

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0459702311

Status:

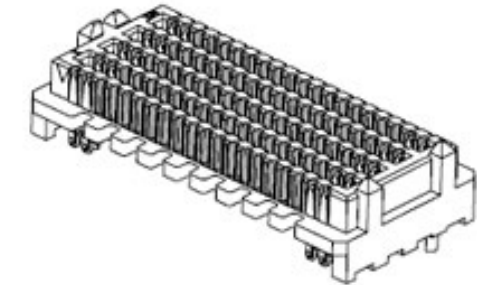
Active

Overview:

searay

Description:

1.27mm (.050") x 1.27mm (.050") Pitch SEARAY\* Plug, 200 Circuits, 3.50mm (.137") Unmated Height, 10 Rows, Lead Free



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-45970-001 \(PDF\)](#)
- [Product Specification PS-45970-002 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

General

|                |                |
|----------------|----------------|
| Product Family | PCB Headers    |
| Series         | 45970          |
| Application    | Board-to-Board |
| MolexKits      | Yes            |
| Overview       | searay         |
| Product Name   | SEARAY*        |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 200                            |
| Circuits (maximum)             | 200                            |
| Circuits Detail                | 200                            |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 100                            |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | No                             |
| Guide to Mating Part           | Yes                            |
| Keying to Mating Part          | None                           |
| Lock to Mating Part            | Yes                            |
| Material - Metal               | Copper Alloy                   |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Number of Rows                 | 10                             |
| Orientation                    | Vertical                       |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness Recommended (in) | 0.062 In                       |
| PCB Thickness Recommended (mm) | 1.60 mm                        |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface (in)  | 0.050 In                       |
| Pitch - Mating Interface (mm)  | 1.27 mm                        |
| Pitch - Term. Interface (in)   | 0.050 In                       |
| Pitch - Term. Interface (mm)   | 1.27 mm                        |
| Plating min: Mating (µin)      | 30                             |
| Plating min: Mating (µm)       | 0.75                           |
| Plating min: Termination (µin) | 100                            |
| Plating min: Termination (µm)  | 2.5                            |
| Polarized to Mating Part       | Yes                            |

EU RoHS

ELV and RoHS  
Compliant  
REACH SVHC  
Not Reviewed  
Halogen-Free  
Status

China RoHS



Need more information on product  
environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of  
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any  
non-product compliance questions.

Search Parts in this Series  
45970Series

Mates With  
45971 SEARAY\* Receptacle

|                                |                    |
|--------------------------------|--------------------|
| Polarized to PCB               | Yes                |
| Robotic Placement              | Pick and Place Cap |
| Shrouded                       | No                 |
| Stackable                      | No                 |
| Surface Mount Compatible (SMC) | Yes                |
| Temperature Range - Operating  | -55°C to +125°C    |
| Termination Interface: Style   | Surface Mount      |

**Electrical**

|                               |         |
|-------------------------------|---------|
| Current - Maximum per Contact | 2.7A    |
| Voltage - Maximum             | 240V AC |

**Solder Process Data**

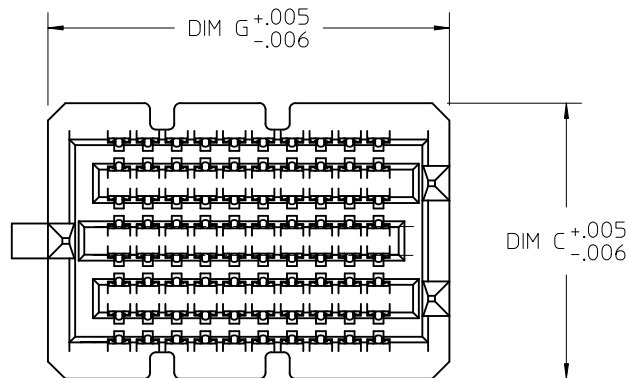
|                                                |                           |
|------------------------------------------------|---------------------------|
| Duration at Max. Process Temperature (seconds) | 3                         |
| Lead-free Process Capability                   | Reflow Capable (SMT only) |
| Max. Cycles at Max. Process Temperature        | 1                         |
| Process Temperature max. C                     | 260                       |

**Material Info**

**Reference - Drawing Numbers**

|                           |                                          |
|---------------------------|------------------------------------------|
| Application Specification | AS-45970-001, AS-45970-002, AS-45970-990 |
| Packaging Specification   | PK-45970-001                             |
| Product Specification     | PS-45970-001, PS-45970-002               |
| Sales Drawing             | SD-45970-001                             |
| Test Summary              | TS-45970-001                             |

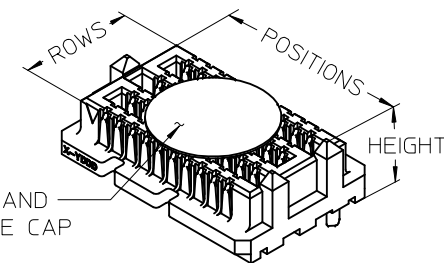
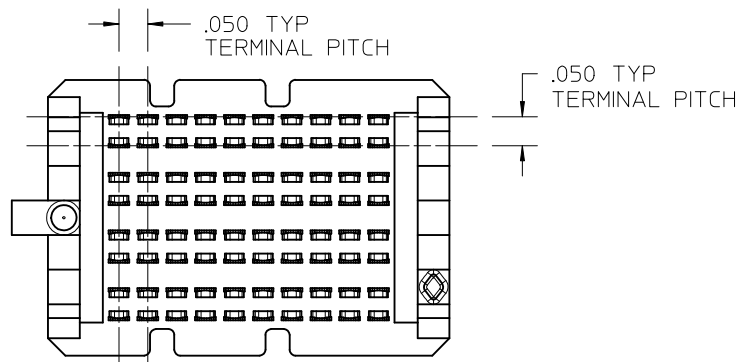
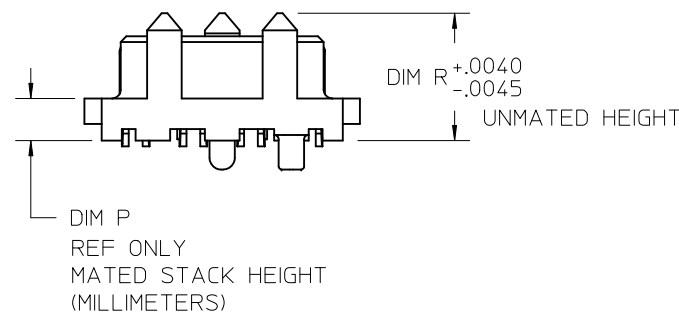
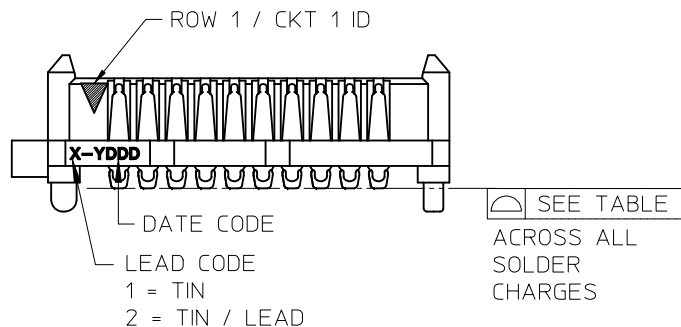
\*SEARAY is a trademark of Samtec, Inc.



#### NOTES:

1. MATERIAL: HOUSING: LCP, UL94V-0, BLACK  
CONTACTS: COPPER ALLOY  
SOLDER CHARGE: SEE CHARTS
2. FINISH: ALL OPTIONS - SELECT GOLD IN CONTACT AREA: 30 MI MIN  
OPTIONS 2.0 & 2.5: SELECT GOLD FLASH IN TAIL, 7 MI MIN  
OPTIONS 3.0 THRU 7.0: SELECT TIN IN TAIL, 100 MI MIN  
ALL OPTIONS - OVER NICKEL
3. PRODUCT SPECIFICATION: PS-45970-001
4. PACKAGING SPECIFICATION: SEE CHART
5. MATES WITH SEARAY RECEPTACLE ASSY 45971
6. APPLICATION SPECIFICATION: AS-45970-001
7. COSMETIC SPECIFICATION: PS-45499-002 CLASS B
8. PART STATUS: CONTACT MOLEX

| POSITION |      |
|----------|------|
| 19       | .006 |
| 10       | .006 |
| 20       | .006 |
| 30       | .006 |
| 40       | .006 |
| 50       | .006 |
| 15       | .006 |
| 25       | .006 |
| 35       | .009 |
| 45       | .009 |



HOUSING OPTIONS  
SEE CHARTS

|                     |             |
|---------------------|-------------|
| UPDATED NOTE 2      | DESCRIPTION |
| EC NO: UCP2010-2270 |             |
| DRWN: TREGORI       | 2010/03/05  |
| CHKD: JCOMERC I     | 2010/03/05  |
| APPR: JCOMERC I     | 2010/03/05  |
| M                   | REV         |

| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |       |        |
|------------------------------------------------------------|-------|--------|
|                                                            | mm    | INCH   |
| 4 PLACES                                                   | ± --- | ± ---  |
| 3 PLACES                                                   | ± --- | ± .010 |
| 2 PLACES                                                   | ± --- | ± .015 |
| 1 PLACE                                                    | ± --- | ± ---  |
| ANGULAR ± ---°                                             |       |        |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       |        |

| DIMENSION STYLE<br>INCH ONLY |            |
|------------------------------|------------|
| DRAWN BY                     | DATE       |
| TGREGORI                     | 2005/01/27 |
| CHECKED BY                   | DATE       |
| JCOMERC I                    |            |
| APPROVED BY                  | DATE       |
| JCOMERC I                    | 2010/03/05 |
| MATERIAL NO.                 |            |
| SEE CHART                    |            |
| SIZE                         |            |
| A                            |            |

|                                                  |                      |                                                                                                                 |                      |
|--------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------|----------------------|
| SCALE<br>3:1                                     | DESIGN UNITS<br>INCH |  THIRD ANGLE<br>PROJECTION |                      |
| TITLE<br>SEARAY<br>PLUG ASSEMBLY<br>.050 CENTERS |                      |                                                                                                                 |                      |
| MOLEX INCORPORATED                               |                      |                                                                                                                 |                      |
| DOCUMENT NO.<br>SD-45970-001                     |                      |                                                                                                                 | SHEET NO.<br>1 OF 10 |

D

C

B

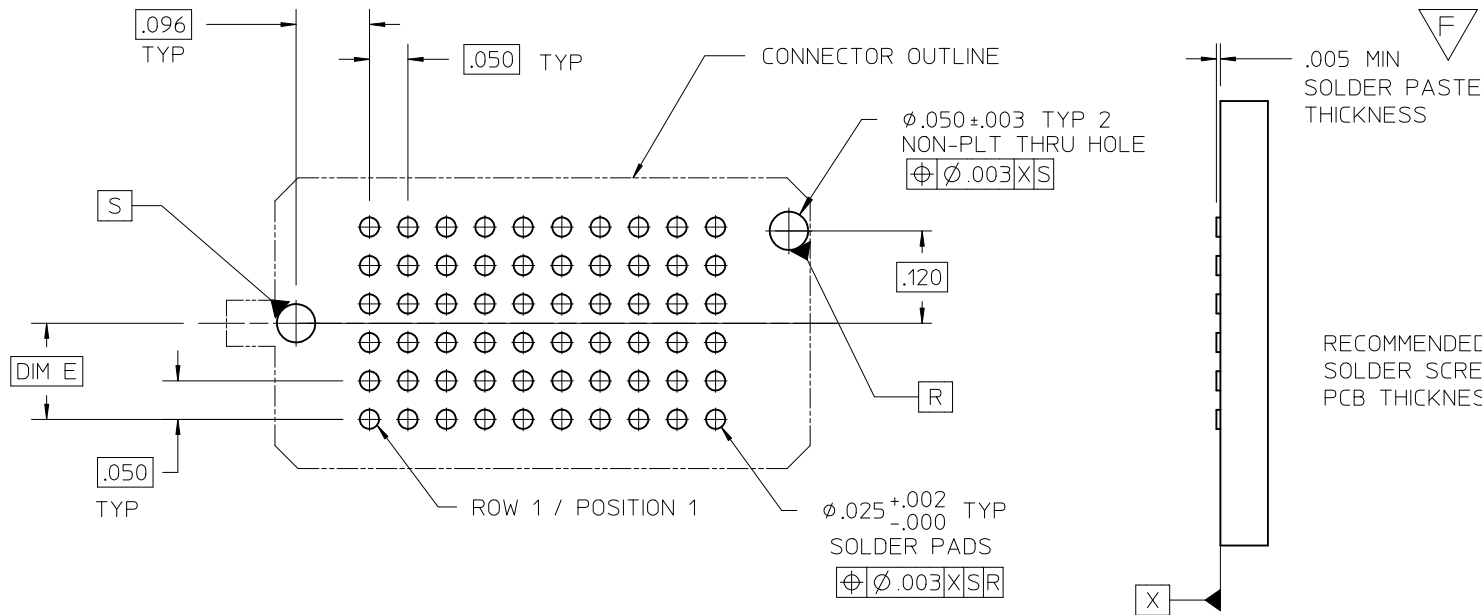
A

D

C

B

A

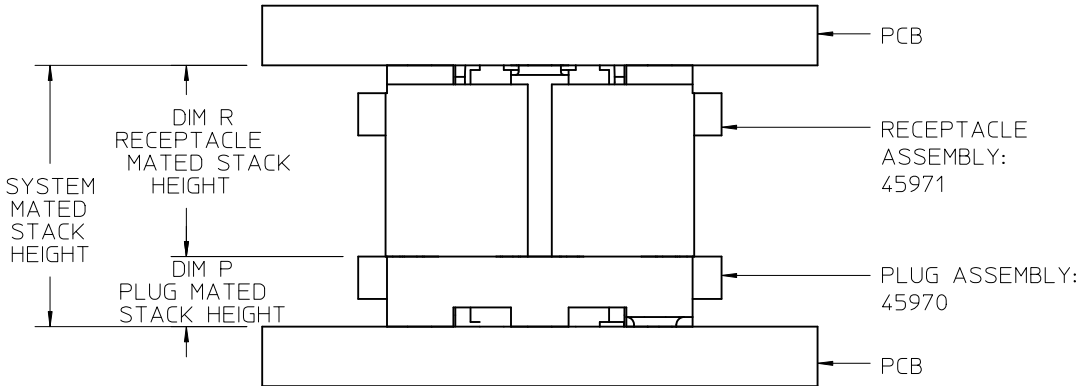


| NO OF ROWS | DIM C | DIM E |
|------------|-------|-------|
| 6          | .378  | .125  |
| 8          | .478  | .175  |
| 10         | .578  | .225  |
| 12         | .678  | .275  |

RECOMMENDED PCB LAYOUT: COMPONENT SIDE  
SOLDER SCREEN APERTURE SIZE: .035  
PCB THICKNESS: NA

|                            |     | DIM R<br>RECEPTACLE STACK HEIGHT |      |      |      |      |     |
|----------------------------|-----|----------------------------------|------|------|------|------|-----|
|                            |     | MM                               | 5.0  | 6.0  | 6.5  | 7.5  | 8.0 |
| DIM P<br>PLUG STACK HEIGHT | 2.0 | 7.0                              | 8.0  | 8.5  | 9.5  | 10.0 |     |
|                            | 3.0 | 8.0                              | 9.0  | 9.5  | 10.5 | 11.0 |     |
|                            | 3.5 | 8.5                              | 9.5  | 10.0 | 11.0 | 11.5 |     |
|                            | 2.5 | 7.5                              | 8.5  | 9.0  | 10.0 | 10.5 |     |
|                            | 4.5 | 9.5                              | 10.5 | 11.0 | 12.0 | 12.5 |     |
|                            | 5.0 | 10.0                             | 11.0 | 11.5 | 12.5 | 13.0 |     |
|                            | 7.0 | 12.0                             | 13.0 | 13.5 | 14.5 | 15.0 |     |

MATED STACK HEIGHTS  
(MILLIMETERS) REF



STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY

|                                                                                                                                  |             |                                          |           |        |                                                                                                                                  |                    |                                                  |                      |                           |  |  |
|----------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------|-----------|--------|----------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------|----------------------|---------------------------|--|--|
| SEE SHEET 1<br>EC NO: UCP2010-2270<br>DRWN: TGREGORI 2010/03/05<br>CHKD: JCOMERC I 2010/03/05<br>APPR: JCOMERC I 2010/03/05<br>M | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |           |        | DIMENSION STYLE<br>INCH ONLY                                                                                                     |                    | SCALE<br>4:1                                     | DESIGN UNITS<br>INCH | THIRD ANGLE<br>PROJECTION |  |  |
|                                                                                                                                  |             |                                          | mm        | INCH   | DRAWN BY<br>TGREGORI                                                                                                             | DATE<br>2005/01/27 | TITLE<br>SEARAY<br>PLUG ASSEMBLY<br>.050 CENTERS |                      |                           |  |  |
|                                                                                                                                  |             | 4 PLACES                                 | ± ---     | ± ---  | CHECKED BY<br>JCOMERC I                                                                                                          | DATE               |                                                  |                      |                           |  |  |
|                                                                                                                                  |             | 3 PLACES                                 | ± ---     | ± .010 | APPROVED BY<br>JCOMERC I                                                                                                         | DATE<br>2010/03/05 | MOLEX INCORPORATED                               |                      |                           |  |  |
|                                                                                                                                  |             | 2 PLACES                                 | ± ---     | ± .015 |                                                                                                                                  |                    |                                                  |                      |                           |  |  |
|                                                                                                                                  |             | 1 PLACE                                  | ± ---     | ± ---  |                                                                                                                                  |                    |                                                  |                      |                           |  |  |
| ANGULAR ± ---°                                                                                                                   |             |                                          |           |        | DOCUMENT NO.<br>SD-45970-001                                                                                                     |                    | SHEET NO.<br>2 OF 10                             |                      |                           |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |             |                                          | SIZE<br>A |        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                  |                      |                           |  |  |

| 6                      |          |            | 5           |            | 4           |            | 3           |            | 2           |            | 1           |            |             |            |             |  |
|------------------------|----------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|--|
| TRAY PACK PK-45971-001 | DIM P:   |            | 2.0 MM      |            | 3.0 MM      |            | 3.5 MM      |            | 2.5 MM      |            | 4.5 MM      |            | 5.0 MM      |            | 7.0 MM      |  |
|                        | DIM R:   |            | .221        |            | .260        |            | .280        |            | .241        |            | .319        |            | .339        |            | .418        |  |
|                        | POSITION | DIM G      | MATERIAL NO |            | MATERIAL NO |            | MATERIAL NO |            | MATERIAL NO |            | MATERIAL NO |            | MATERIAL NO |            | MATERIAL NO |  |
|                        | 19       | 1.146      | 45970-0161  |            | 45970-0261  |            | 45970-0361  |            | 45970-0461  |            | 45970-0561  |            | 45970-0661  |            | 45970-0761  |  |
|                        | 10       | 0.696      | 45970-1161  |            | 45970-1261  |            | 45970-1361  |            | 45970-1461  |            | 45970-1561  |            | 45970-1661  |            | 45970-1761  |  |
|                        | 20       | 1.196      | 45970-2161  |            | 45970-2261  |            | 45970-2361  |            | 45970-2461  |            | 45970-2561  |            | 45970-2661  |            | 45970-2761  |  |
|                        | 30       | 1.696      | 45970-3161  |            | 45970-3261  |            | 45970-3361  |            | 45970-3461  |            | 45970-3561  |            | 45970-3661  |            | 45970-3761  |  |
|                        | 40       | 2.196      | 45970-4161  |            | 45970-4261  |            | 45970-4361  |            | 45970-4461  |            | 45970-4561  |            | 45970-4661  |            | 45970-4761  |  |
|                        | 50       | 2.696      | 45970-5161  |            | 45970-5261  |            | 45970-5361  |            | 45970-5461  |            | 45970-5561  |            | 45970-5661  |            | 45970-5761  |  |
|                        | 15       | 0.946      | 45970-6161  |            | 45970-6261  |            | 45970-6361  |            | 45970-6461  |            | 45970-6561  |            | 45970-6661  |            | 45970-6761  |  |
|                        | 25       | 1.446      | 45970-7161  |            | 45970-7261  |            | 45970-7361  |            | 45970-7461  |            | 45970-7561  |            | 45970-7661  |            | 45970-7761  |  |
|                        | 35       | 1.946      | 45970-8161  |            | 45970-8261  |            | 45970-8361  |            | 45970-8461  |            | 45970-8561  |            | 45970-8661  |            | 45970-8761  |  |
| 45                     | 2.446    | 45970-9161 |             | 45970-9261 |             | 45970-9361 |             | 45970-9461 |             | 45970-9561 |             | 45970-9661 |             | 45970-9761 |             |  |

|                                 |          |       |             |             |             |             |             |             |             |            |   |
|---------------------------------|----------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|---|
| TAPE AND REEL PACK PK-45971-002 | DIM P:   |       | 2.0 MM      | 3.0 MM      | 3.5 MM      | 2.5 MM      | 4.5 MM      | 5.0 MM      | 7.0 MM      | C          |   |
|                                 | DIM R:   |       | .221        | .260        | .280        | .241        | .319        | .339        | .418        |            |   |
|                                 | POSITION | DIM G | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO |            |   |
|                                 |          | 19    | 1.146       | 45970-0165  | 45970-0265  | 45970-0365  | 45970-0465  | 45970-0565  | 45970-0665  | 45970-0765 | B |
|                                 |          | 10    | 0.696       | 45970-1165  | 45970-1265  | 45970-1365  | 45970-1465  | 45970-1565  | 45970-1665  | 45970-1765 |   |
|                                 |          | 20    | 1.196       | 45970-2165  | 45970-2265  | 45970-2365  | 45970-2465  | 45970-2565  | 45970-2665  | 45970-2765 |   |
|                                 |          | 30    | 1.696       | 45970-3165  | 45970-3265  | 45970-3365  | 45970-3465  | 45970-3565  | 45970-3665  | 45970-3765 |   |
|                                 |          | 40    | 2.196       | 45970-4165  | 45970-4265  | 45970-4365  | 45970-4465  | 45970-4565  | 45970-4665  | 45970-4765 |   |
|                                 |          | 50    | 2.696       | 45970-5165  | 45970-5265  | 45970-5365  | 45970-5465  | 45970-5565  | 45970-5665  | 45970-5765 |   |
|                                 |          | 15    | 0.946       | 45970-6165  | 45970-6265  | 45970-6365  | 45970-6465  | 45970-6565  | 45970-6665  | 45970-6765 |   |
|                                 |          | 25    | 1.446       | 45970-7165  | 45970-7265  | 45970-7365  | 45970-7465  | 45970-7565  | 45970-7665  | 45970-7765 |   |
|                                 |          | 35    | 1.946       | 45970-8165  | 45970-8265  | 45970-8365  | 45970-8465  | 45970-8565  | 45970-8665  | 45970-8765 |   |
|                                 | 45       | 2.446 | 45970-9165  | 45970-9265  | 45970-9365  | 45970-9465  | 45970-9565  | 45970-9665  | 45970-9765  |            |   |

NOTES:

1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS:  
NO OF ROWS: 6  
SOLDER CHARGE: TIN  
PACKAGING: TRAYS AND TAPE AND REEL

|                                                                                                                            |             |                                                            |       |        |                                          |                                                                                                                                  |                                                      |                      |                                                                                                                 |  |  |
|----------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------|-------|--------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------|--|--|
| SEE SHEET 1<br>EC NO: UCP2010-2270<br>DRWN: TREGORI 2010/03/05<br>CHKD: JCOMERC I 2010/03/05<br>APPR: JCOMERC I 2010/03/05 | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |       |        | DIMENSION STYLE<br>INCH ONLY             |                                                                                                                                  | SCALE<br>4:1                                         | DESIGN UNITS<br>INCH |  THIRD ANGLE<br>PROJECTION |  |  |
|                                                                                                                            |             |                                                            | mm    | INCH   | DRAWN BY DATE<br>TGREGORI 2005/01/27     |                                                                                                                                  | TITLE<br><br>SEARAY<br>PLUG ASSEMBLY<br>.050 CENTERS |                      |                                                                                                                 |  |  |
|                                                                                                                            |             | 4 PLACES                                                   | ± --- | ± ---  | CHECKED BY DATE<br>JCOMERC I             |                                                                                                                                  |                                                      |                      |                                                                                                                 |  |  |
|                                                                                                                            |             | 3 PLACES                                                   | ± --- | ± .010 |                                          |                                                                                                                                  |                                                      |                      |                                                                                                                 |  |  |
|                                                                                                                            |             | 2 PLACES                                                   | ± --- | ± .015 |                                          |                                                                                                                                  | MOLEX MOLEX INCORPORATED                             |                      |                                                                                                                 |  |  |
|                                                                                                                            |             | 1 PLACE                                                    | ± --- | ± ---  | APPROVED BY DATE<br>JCOMERC I 2010/03/05 |                                                                                                                                  |                                                      |                      |                                                                                                                 |  |  |
|                                                                                                                            |             | ANGULAR ± ---°                                             |       |        |                                          |                                                                                                                                  | DOCUMENT NO.<br>SD-45970-001                         |                      |                                                                                                                 |  |  |
| M                                                                                                                          | REV         | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       |        | SIZE<br>A                                | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                      |                      |                                                                                                                 |  |  |

|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|----|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------|--|-----------------------------------------|--|--------------|--|----------------------|--|------------------------|--|-------------|--|-------------|--|
|    |                                 | 6                                                                                                                                    |       | 5                                                          |  | 4                                       |  | 3            |  | 2                    |  | 1                      |  |             |  |             |  |
| D  | TRAY PACK PK-45971-001          | DIM P:                                                                                                                               |       | 2.0 MM                                                     |  | 3.0 MM                                  |  | 3.5 MM       |  | 2.5 MM               |  | 4.5 MM                 |  | 5.0 MM      |  | 7.0 MM      |  |
|    |                                 | DIM R:                                                                                                                               |       | .221                                                       |  | .260                                    |  | .280         |  | .241                 |  | 3.19                   |  | .339        |  | .418        |  |
|    |                                 | POSITION                                                                                                                             | DIM G | MATERIAL NO                                                |  | MATERIAL NO                             |  | MATERIAL NO  |  | MATERIAL NO          |  | MATERIAL NO            |  | MATERIAL NO |  | MATERIAL NO |  |
|    |                                 | 19                                                                                                                                   | 1.146 | 45970-0163                                                 |  | 45970-0263                              |  | 45970-0363   |  | 45970-0463           |  | 45970-0563             |  | 45970-0663  |  | 45970-0763  |  |
|    |                                 | 10                                                                                                                                   | 0.696 | 45970-1163                                                 |  | 45970-1263                              |  | 45970-1363   |  | 45970-1463           |  | 45970-1563             |  | 45970-1663  |  | 45970-1763  |  |
|    |                                 | 20                                                                                                                                   | 1.196 | 45970-2163                                                 |  | 45970-2263                              |  | 45970-2363   |  | 45970-2463           |  | 45970-2563             |  | 45970-2663  |  | 45970-2763  |  |
|    |                                 | 30                                                                                                                                   | 1.696 | 45970-3163                                                 |  | 45970-3263                              |  | 45970-3363   |  | 45970-3463           |  | 45970-3563             |  | 45970-3663  |  | 45970-3763  |  |
|    |                                 | 40                                                                                                                                   | 2.196 | 45970-4163                                                 |  | 45970-4263                              |  | 45970-4363   |  | 45970-4463           |  | 45970-4563             |  | 45970-4663  |  | 45970-4763  |  |
|    |                                 | 50                                                                                                                                   | 2.696 | 45970-5163                                                 |  | 45970-5263                              |  | 45970-5363   |  | 45970-5463           |  | 45970-5563             |  | 45970-5663  |  | 45970-5763  |  |
|    |                                 | 15                                                                                                                                   | 0.946 | 45970-6163                                                 |  | 45970-6263                              |  | 45970-6363   |  | 45970-6463           |  | 45970-6563             |  | 45970-6663  |  | 45970-6763  |  |
|    |                                 | 25                                                                                                                                   | 1.446 | 45970-7163                                                 |  | 45970-7263                              |  | 45970-7363   |  | 45970-7463           |  | 45970-7563             |  | 45970-7663  |  | 45970-7763  |  |
|    |                                 | 35                                                                                                                                   | 1.946 | 45970-8163                                                 |  | 45970-8263                              |  | 45970-8363   |  | 45970-8463           |  | 45970-8563             |  | 45970-8663  |  | 45970-8763  |  |
| 45 | 2.446                           | 45970-9163                                                                                                                           |       | 45970-9263                                                 |  | 45970-9363                              |  | 45970-9463   |  | 45970-9563           |  | 45970-9663             |  | 45970-9763  |  |             |  |
| C  | TAPE AND REEL PACK PK-45971-002 | DIM P:                                                                                                                               |       | 2.0 MM                                                     |  | 3.0 MM                                  |  | 3.5 MM       |  | 2.5 MM               |  | 4.5 MM                 |  | 5.0 MM      |  | 7.0 MM      |  |
|    |                                 | DIM R:                                                                                                                               |       | .221                                                       |  | .260                                    |  | .280         |  | .241                 |  | .319                   |  | .339        |  | .418        |  |
|    |                                 | POSITION                                                                                                                             | DIM G | MATERIAL NO                                                |  | MATERIAL NO                             |  | MATERIAL NO  |  | MATERIAL NO          |  | MATERIAL NO            |  | MATERIAL NO |  | MATERIAL NO |  |
|    |                                 | 19                                                                                                                                   | 1.146 | 45970-0167                                                 |  | 45970-0267                              |  | 45970-0367   |  | 45970-0467           |  | 45970-0567             |  | 45970-0667  |  | 45970-0767  |  |
|    |                                 | 10                                                                                                                                   | 0.696 | 45970-1167                                                 |  | 45970-1267                              |  | 45970-1367   |  | 45970-1467           |  | 45970-1567             |  | 45970-1667  |  | 45970-1767  |  |
|    |                                 | 20                                                                                                                                   | 1.196 | 45970-2167                                                 |  | 45970-2267                              |  | 45970-2367   |  | 45970-2467           |  | 45970-2567             |  | 45970-2667  |  | 45970-2767  |  |
|    |                                 | 30                                                                                                                                   | 1.696 | 45970-3167                                                 |  | 45970-3267                              |  | 45970-3367   |  | 45970-3467           |  | 45970-3567             |  | 45970-3667  |  | 45970-3767  |  |
|    |                                 | 40                                                                                                                                   | 2.196 | 45970-4167                                                 |  | 45970-4267                              |  | 45970-4367   |  | 45970-4467           |  | 45970-4567             |  | 45970-4667  |  | 45970-4767  |  |
|    |                                 | 50                                                                                                                                   | 2.696 | 45970-5167                                                 |  | 45970-5267                              |  | 45970-5367   |  | 45970-5467           |  | 45970-5567             |  | 45970-5667  |  | 45970-5767  |  |
|    |                                 | 15                                                                                                                                   | 0.946 | 45970-6167                                                 |  | 45970-6267                              |  | 45970-6367   |  | 45970-6467           |  | 45970-6567             |  | 45970-6667  |  | 45970-6767  |  |
|    |                                 | 25                                                                                                                                   | 1.446 | 45970-7167                                                 |  | 45970-7267                              |  | 45970-7367   |  | 45970-7467           |  | 45970-7567             |  | 45970-7667  |  | 45970-7767  |  |
|    |                                 | 35                                                                                                                                   | 1.946 | 45970-8167                                                 |  | 45970-8267                              |  | 45970-8367   |  | 45970-8467           |  | 45970-8567             |  | 45970-8667  |  | 45970-8767  |  |
| 45 | 2.446                           | 45970-9167                                                                                                                           |       | 45970-9267                                                 |  | 45970-9367                              |  | 45970-9467   |  | 45970-9567           |  | 45970-9667             |  | 45970-9767  |  |             |  |
| B  |                                 | NOTES:<br>1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS<br>ROWS: 6<br>SOLDER CHARGE: TIN / LEAD<br>PACKAGING: TRAYS AND TAPE AND REEL |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 | SEE SHEET 1<br>EC NO: UCP2010-2270<br>DRWN: TGREGORI 2010/03/05<br>CHKD: JCOMERCI 2010/03/05<br>APPR: JCOMERCI 2010/03/05            |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 | DESCRIPTION                                                                                                                          |       | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  | DIMENSION STYLE<br>INCH ONLY            |  | SCALE<br>4:1 |  | DESIGN UNITS<br>INCH |  | THIRD ANGLE PROJECTION |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       | mm INCH                                                    |  | DRAWN BY DATE<br>TGREGORI 2005/01/27    |  | TITLE        |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       | 4 PLACES ± --- ± ---                                       |  | CHECKED BY DATE<br>JCOMERCI             |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       | 3 PLACES ± --- ± .010                                      |  | APPROVED BY DATE<br>JCOMERCI 2010/03/05 |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       | 2 PLACES ± --- ± .015                                      |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       | 1 PLACE ± --- ± ---                                        |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       | ANGULAR ± ---°                                             |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       | REV                                                        |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 | M                                                                                                                                    |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |
|    |                                 |                                                                                                                                      |       |                                                            |  |                                         |  |              |  |                      |  |                        |  |             |  |             |  |

|    |                                 |                                                                                                                                |                    |                                          |  |             |                                                            |                                         |                                                                                                                                  |                                                                        |                           |             |  |                      |  |             |  |  |
|----|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------|--|-------------|------------------------------------------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------|-------------|--|----------------------|--|-------------|--|--|
| D  | TRAY PACK PK-45971-001          | 6                                                                                                                              |                    | 5                                        |  | 4           |                                                            | 3                                       |                                                                                                                                  | 2                                                                      |                           | 1           |  |                      |  |             |  |  |
|    |                                 | DIM P:                                                                                                                         |                    | 2.0 MM                                   |  | 3.0 MM      |                                                            | 3.5 MM                                  |                                                                                                                                  | 2.5 MM                                                                 |                           | 4.5 MM      |  | 5.0 MM               |  | 7.0 MM      |  |  |
|    |                                 | DIM R:                                                                                                                         |                    | .221                                     |  | .260        |                                                            | .280                                    |                                                                                                                                  | .241                                                                   |                           | .319        |  | .339                 |  | .418        |  |  |
|    |                                 | POSITION                                                                                                                       | DIM G              | MATERIAL NO                              |  | MATERIAL NO |                                                            | MATERIAL NO                             |                                                                                                                                  | MATERIAL NO                                                            |                           | MATERIAL NO |  | MATERIAL NO          |  | MATERIAL NO |  |  |
|    |                                 | 19                                                                                                                             | 1.146              | 45970-0181                               |  | 45970-0281  |                                                            | 45970-0381                              |                                                                                                                                  | 45970-0481                                                             |                           | 45970-0581  |  | 45970-0681           |  | 45970-0781  |  |  |
|    |                                 | 10                                                                                                                             | 0.696              | 45970-1181                               |  | 45970-1281  |                                                            | 45970-1381                              |                                                                                                                                  | 45970-1481                                                             |                           | 45970-1581  |  | 45970-1681           |  | 45970-1781  |  |  |
|    |                                 | 20                                                                                                                             | 1.196              | 45970-2181                               |  | 45970-2281  |                                                            | 45970-2381                              |                                                                                                                                  | 45970-2481                                                             |                           | 45970-2581  |  | 45970-2681           |  | 45970-2781  |  |  |
|    |                                 | 30                                                                                                                             | 1.696              | 45970-3181                               |  | 45970-3281  |                                                            | 45970-3381                              |                                                                                                                                  | 45970-3481                                                             |                           | 45970-3581  |  | 45970-3681           |  | 45970-3781  |  |  |
|    |                                 | 40                                                                                                                             | 2.196              | 45970-4181                               |  | 45970-4281  |                                                            | 45970-4381                              |                                                                                                                                  | 45970-4481                                                             |                           | 45970-4581  |  | 45970-4681           |  | 45970-4781  |  |  |
|    |                                 | 50                                                                                                                             | 2.696              | 45970-5181                               |  | 45970-5281  |                                                            | 45970-5381                              |                                                                                                                                  | 45970-5481                                                             |                           | 45970-5581  |  | 45970-5681           |  | 45970-5781  |  |  |
|    |                                 | 15                                                                                                                             | 0.946              | 45970-6181                               |  | 45970-6281  |                                                            | 45970-6381                              |                                                                                                                                  | 45970-6481                                                             |                           | 45970-6581  |  | 45970-6681           |  | 45970-6781  |  |  |
|    |                                 | 25                                                                                                                             | 1.446              | 45970-7181                               |  | 45970-7281  |                                                            | 45970-7381                              |                                                                                                                                  | 45970-7481                                                             |                           | 45970-7581  |  | 45970-7681           |  | 45970-7781  |  |  |
|    |                                 | 35                                                                                                                             | 1.946              | 45970-8181                               |  | 45970-8281  |                                                            | 45970-8381                              |                                                                                                                                  | 45970-8481                                                             |                           | 45970-8581  |  | 45970-8681           |  | 45970-8781  |  |  |
| 45 | 2.446                           | 45970-9181                                                                                                                     |                    | 45970-9281                               |  | 45970-9381  |                                                            | 45970-9481                              |                                                                                                                                  | 45970-9581                                                             |                           | 45970-9681  |  | 45970-9781           |  |             |  |  |
| C  | TAPE AND REEL PACK PK-45971-002 | DIM P:                                                                                                                         |                    | 2.0 MM                                   |  | 3.0 MM      |                                                            | 3.5 MM                                  |                                                                                                                                  | 2.5 MM                                                                 |                           | 4.5 MM      |  | 5.0 MM               |  | 7.0 MM      |  |  |
|    |                                 | DIM R:                                                                                                                         |                    | .221                                     |  | .260        |                                                            | .280                                    |                                                                                                                                  | .241                                                                   |                           | .319        |  | .339                 |  | .418        |  |  |
|    |                                 | POSITION                                                                                                                       | DIM G              | MATERIAL NO                              |  | MATERIAL NO |                                                            | MATERIAL NO                             |                                                                                                                                  | MATERIAL NO                                                            |                           | MATERIAL NO |  | MATERIAL NO          |  | MATERIAL NO |  |  |
|    |                                 | 19                                                                                                                             | 1.146              | 45970-0185                               |  | 45970-0285  |                                                            | 45970-0385                              |                                                                                                                                  | 45970-0485                                                             |                           | 45970-0585  |  | 45970-0685           |  | 45970-0785  |  |  |
|    |                                 | 10                                                                                                                             | 0.696              | 45970-1185                               |  | 45970-1285  |                                                            | 45970-1385                              |                                                                                                                                  | 45970-1485                                                             |                           | 45970-1585  |  | 45970-1685           |  | 45970-1785  |  |  |
|    |                                 | 20                                                                                                                             | 1.196              | 45970-2185                               |  | 45970-2285  |                                                            | 45970-2385                              |                                                                                                                                  | 45970-2485                                                             |                           | 45970-2585  |  | 45970-2685           |  | 45970-2785  |  |  |
|    |                                 | 30                                                                                                                             | 1.696              | 45970-3185                               |  | 45970-3285  |                                                            | 45970-3385                              |                                                                                                                                  | 45970-3485                                                             |                           | 45970-3585  |  | 45970-3685           |  | 45970-3785  |  |  |
|    |                                 | 40                                                                                                                             | 2.196              | 45970-4185                               |  | 45970-4285  |                                                            | 45970-4385                              |                                                                                                                                  | 45970-4485                                                             |                           | 45970-4585  |  | 45970-4685           |  | 45970-4785  |  |  |
|    |                                 | 50                                                                                                                             | 2.696              | 45970-5185                               |  | 45970-5285  |                                                            | 45970-5385                              |                                                                                                                                  | 45970-5485                                                             |                           | 45970-5585  |  | 45970-5685           |  | 45970-5785  |  |  |
|    |                                 | 15                                                                                                                             | 0.946              | 45970-6185                               |  | 45970-6285  |                                                            | 45970-6385                              |                                                                                                                                  | 45970-6485                                                             |                           | 45970-6585  |  | 45970-6685           |  | 45970-6785  |  |  |
|    |                                 | 25                                                                                                                             | 1.446              | 45970-7185                               |  | 45970-7285  |                                                            | 45970-7385                              |                                                                                                                                  | 45970-7485                                                             |                           | 45970-7585  |  | 45970-7685           |  | 45970-7785  |  |  |
|    |                                 | 35                                                                                                                             | 1.946              | 45970-8185                               |  | 45970-8285  |                                                            | 45970-8385                              |                                                                                                                                  | 45970-8485                                                             |                           | 45970-8585  |  | 45970-8685           |  | 45970-8785  |  |  |
|    |                                 | 45                                                                                                                             | 2.446              | 45970-9185                               |  | 45970-9285  |                                                            | 45970-9385                              |                                                                                                                                  | 45970-9485                                                             |                           | 45970-9585  |  | 45970-9685           |  | 45970-9785  |  |  |
| B  |                                 | NOTES:<br>1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS<br>ROWS: 8<br>SOLDER CHARGE: TIN<br>PACKAGING: TRAYS AND TAPE AND REEL  |                    |                                          |  |             |                                                            |                                         |                                                                                                                                  |                                                                        |                           |             |  |                      |  |             |  |  |
|    |                                 | SEE SHEET 1<br>EC NO: UCP2010-2270<br>DRWN: TGREGORI 2010/03/05<br>CHKD: JCOMERCI 2010/03/05<br>APPR: JCOMERCI 2010/03/05<br>M | DESCRIPTION<br>REV | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |  |             | DIMENSION STYLE<br>INCH ONLY                               |                                         | SCALE<br>4:1                                                                                                                     | DESIGN UNITS<br>INCH                                                   | THIRD ANGLE<br>PROJECTION |             |  |                      |  |             |  |  |
|    |                                 |                                                                                                                                |                    | 4 PLACES ± ---                           |  | mm          | INCH                                                       | DRAWN BY DATE<br>TGREGORI 2005/01/27    |                                                                                                                                  | TITLE<br>SEARAY<br>PLUG ASSEMBLY<br>.050 CENTERS<br>MOLEX INCORPORATED |                           |             |  |                      |  |             |  |  |
|    |                                 |                                                                                                                                |                    | 3 PLACES ± ---                           |  | ± .010      |                                                            | CHECKED BY DATE<br>JCOMERCI             |                                                                                                                                  |                                                                        |                           |             |  |                      |  |             |  |  |
|    |                                 |                                                                                                                                |                    | 2 PLACES ± ---                           |  | ± .015      |                                                            | APPROVED BY DATE<br>JCOMERCI 2010/03/05 |                                                                                                                                  |                                                                        |                           |             |  |                      |  |             |  |  |
|    |                                 |                                                                                                                                |                    | 1 PLACE ± ---                            |  | ± ---       |                                                            | DOCUMENT NO.<br>SD-45970-001            |                                                                                                                                  |                                                                        |                           |             |  | SHEET NO.<br>5 OF 10 |  |             |  |  |
|    |                                 |                                                                                                                                |                    | ANGULAR ± ---°                           |  |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                        |                           |             |  |                      |  |             |  |  |
|    |                                 |                                                                                                                                |                    | tb_frame_A_P_AM_T<br>Rev. E 2006/04/15   |  |             |                                                            |                                         |                                                                                                                                  |                                                                        |                           |             |  |                      |  |             |  |  |
|    |                                 |                                                                                                                                |                    | 5                                        |  | 4           |                                                            | 3                                       |                                                                                                                                  | 2                                                                      |                           | 1           |  |                      |  |             |  |  |

|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|----|--------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|------------|------------------------------------------|------------|------------------------------|------------|--------------|------------|----------------------|------------|---------------------------|------------|---------------------------------------------------------------|--|------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| D  | 6                                                                                                                                    |            | 5           |            | 4                                        |            | 3                            |            | 2            |            | 1                    |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | DIM P:                                                                                                                               |            | 2.0 MM      |            | 3.0 MM                                   |            | 3.5 MM                       |            | 2.5 MM       |            | 4.5 MM               |            | 5.0 MM                    |            | 7.0 MM                                                        |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | DIM R:                                                                                                                               |            | .221        |            | .260                                     |            | .280                         |            | .241         |            | .319                 |            | .339                      |            | .418                                                          |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | POSITION                                                                                                                             | DIM G      | MATERIAL NO |            | MATERIAL NO                              |            | MATERIAL NO                  |            | MATERIAL NO  |            | MATERIAL NO          |            | MATERIAL NO               |            | MATERIAL NO                                                   |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | 19                                                                                                                                   | 1.146      | 45970-0183  |            | 45970-0283                               |            | 45970-0383                   |            | 45970-0483   |            | 45970-0583           |            | 45970-0683                |            | 45970-0783                                                    |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | 10                                                                                                                                   | 0.696      | 45970-1183  |            | 45970-1283                               |            | 45970-1383                   |            | 45970-1483   |            | 45970-1583           |            | 45970-1683                |            | 45970-1783                                                    |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | 20                                                                                                                                   | 1.196      | 45970-2183  |            | 45970-2283                               |            | 45970-2383                   |            | 45970-2483   |            | 45970-2583           |            | 45970-2683                |            | 45970-2783                                                    |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | 30                                                                                                                                   | 1.696      | 45970-3183  |            | 45970-3283                               |            | 45970-3383                   |            | 45970-3483   |            | 45970-3583           |            | 45970-3683                |            | 45970-3783                                                    |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | 40                                                                                                                                   | 2.196      | 45970-4183  |            | 45970-4283                               |            | 45970-4383                   |            | 45970-4483   |            | 45970-4583           |            | 45970-4683                |            | 45970-4783                                                    |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | 50                                                                                                                                   | 2.696      | 45970-5183  |            | 45970-5283                               |            | 45970-5383                   |            | 45970-5483   |            | 45970-5583           |            | 45970-5683                |            | 45970-5783                                                    |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | 15                                                                                                                                   | 0.446      | 45970-6183  |            | 45970-6283                               |            | 45970-6383                   |            | 45970-6483   |            | 45970-6583           |            | 45970-6683                |            | 45970-6783                                                    |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | 25                                                                                                                                   | 0.946      | 45970-7183  |            | 45970-7283                               |            | 45970-7383                   |            | 45970-7483   |            | 45970-7583           |            | 45970-7683                |            | 45970-7783                                                    |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | 35                                                                                                                                   | 1.446      | 45970-8183  |            | 45970-8283                               |            | 45970-8383                   |            | 45970-8483   |            | 45970-8583           |            | 45970-8683                |            | 45970-8783                                                    |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| 45 | 1.946                                                                                                                                | 45970-9183 |             | 45970-9283 |                                          | 45970-9383 |                              | 45970-9483 |              | 45970-9583 |                      | 45970-9683 |                           | 45970-9783 |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| C  | DIM P:                                                                                                                               |            | 2.0 MM      |            | 3.0 MM                                   |            | 3.5 MM                       |            | 2.5 MM       |            | 4.5 MM               |            | 5.0 MM                    |            | 7.0 MM                                                        |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | DIM R:                                                                                                                               |            | .221        |            | .260                                     |            | .280                         |            | .241         |            | .319                 |            | .339                      |            | .418                                                          |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | POSITION                                                                                                                             | DIM G      | MATERIAL NO |            | MATERIAL NO                              |            | MATERIAL NO                  |            | MATERIAL NO  |            | MATERIAL NO          |            | MATERIAL NO               |            | MATERIAL NO                                                   |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | 19                                                                                                                                   | 1.146      | 45970-0187  |            | 45970-0287                               |            | 45970-0387                   |            | 45970-0487   |            | 45970-0587           |            | 45970-0687                |            | 45970-0787                                                    |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | 10                                                                                                                                   | 0.696      | 45970-1187  |            | 45970-1287                               |            | 45970-1387                   |            | 45970-1487   |            | 45970-1587           |            | 45970-1687                |            | 45970-1787                                                    |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | 20                                                                                                                                   | 1.196      | 45970-2187  |            | 45970-2287                               |            | 45970-2387                   |            | 45970-2487   |            | 45970-2587           |            | 45970-2687                |            | 45970-2787                                                    |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | 30                                                                                                                                   | 1.696      | 45970-3187  |            | 45970-3287                               |            | 45970-3387                   |            | 45970-3487   |            | 45970-3587           |            | 45970-3687                |            | 45970-3787                                                    |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | 40                                                                                                                                   | 2.196      | 45970-4187  |            | 45970-4287                               |            | 45970-4387                   |            | 45970-4487   |            | 45970-4587           |            | 45970-4687                |            | 45970-4787                                                    |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | 50                                                                                                                                   | 2.696      | 45970-5187  |            | 45970-5287                               |            | 45970-5387                   |            | 45970-5487   |            | 45970-5587           |            | 45970-5687                |            | 45970-5787                                                    |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | 15                                                                                                                                   | 0.946      | 45970-6187  |            | 45970-6287                               |            | 45970-6387                   |            | 45970-6487   |            | 45970-6587           |            | 45970-6687                |            | 45970-6787                                                    |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | 25                                                                                                                                   | 1.446      | 45970-7187  |            | 45970-7287                               |            | 45970-7387                   |            | 45970-7487   |            | 45970-7587           |            | 45970-7687                |            | 45970-7787                                                    |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | 35                                                                                                                                   | 1.946      | 45970-8187  |            | 45970-8287                               |            | 45970-8387                   |            | 45970-8487   |            | 45970-8587           |            | 45970-8687                |            | 45970-8787                                                    |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | 45                                                                                                                                   | 2.446      | 45970-9187  |            | 45970-9287                               |            | 45970-9387                   |            | 45970-9487   |            | 45970-9587           |            | 45970-9687                |            | 45970-9787                                                    |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| B  | NOTES:<br>1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS<br>ROWS: 8<br>SOLDER CHARGE: TIN / LEAD<br>PACKAGING: TRAYS AND TAPE AND REEL |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    | SEE SHEET 1<br>EC NO: UCP2010-2270<br>DRWN:TGREGORI 2010/03/05<br>CHKD:JCOMERCI 2010/03/05<br>APPR:JCOMERCI 2010/03/05               |            | DESCRIPTION |            | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |            | DIMENSION STYLE<br>INCH ONLY |            | SCALE<br>4:1 |            | DESIGN UNITS<br>INCH |            | THIRD ANGLE<br>PROJECTION |            | SEARAY<br>PLUG ASSEMBLY<br>.050 CENTERS<br>MOLEX INCORPORATED |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  | DRAWN BY                                                   |  | DATE                                                                                                                             |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  | TGREGORI                                                   |  | 2005/01/27                                                                                                                       |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  | CHECKED BY                                                 |  | DATE                                                                                                                             |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  | JCOMERCI                                                   |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  | APPROVED BY                                                |  | DATE                                                                                                                             |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  | JCOMERCI                                                   |  | 2010/03/05                                                                                                                       |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  | ANGULAR ±---°                                              |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  | SIZE<br>A                                                  |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      |            |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|    |                                                                                                                                      | </         |             |            |                                          |            |                              |            |              |            |                      |            |                           |            |                                                               |  |                                                            |  |                                                                                                                                  |  |  |  |  |  |  |  |  |  |

|          |       |                                                                                                                           |       |                                                                                                                                |                                          |             |                                                                                                                                  |                              |                                                            |              |                              |                           |   |             |                      |                                         |   |        |  |  |  |   |  |        |  |
|----------|-------|---------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------|--------------|------------------------------|---------------------------|---|-------------|----------------------|-----------------------------------------|---|--------|--|--|--|---|--|--------|--|
|          |       | 6                                                                                                                         |       |                                                                                                                                |                                          | 5           |                                                                                                                                  |                              |                                                            | 4            |                              |                           |   | 3           |                      |                                         |   | 2      |  |  |  | 1 |  |        |  |
| D        |       | TRAY PACK PK-45971-001                                                                                                    |       | DIM P:                                                                                                                         |                                          | 2.0 MM      |                                                                                                                                  | 3.0 MM                       |                                                            | 3.5 MM       |                              | 2.5 MM                    |   | 4.5 MM      |                      | 5.0 MM                                  |   | 7.0 MM |  |  |  |   |  |        |  |
|          |       | DIM R:                                                                                                                    |       | .221                                                                                                                           |                                          | .260        |                                                                                                                                  | .280                         |                                                            | .241         |                              | .319                      |   | .339        |                      | .418                                    |   |        |  |  |  |   |  |        |  |
|          |       | POSITION                                                                                                                  | DIM G | MATERIAL NO                                                                                                                    |                                          | MATERIAL NO |                                                                                                                                  | MATERIAL NO                  |                                                            | MATERIAL NO  |                              | MATERIAL NO               |   | MATERIAL NO |                      | MATERIAL NO                             |   |        |  |  |  |   |  |        |  |
|          |       | 19                                                                                                                        | 1.146 | 45970-0111                                                                                                                     |                                          | 45970-0211  |                                                                                                                                  | 45970-0311                   |                                                            | 45970-0411   |                              | 45970-0511                |   | 45970-0611  |                      | 45970-0711                              |   |        |  |  |  |   |  |        |  |
|          |       | 10                                                                                                                        | 0.696 | 45970-1111                                                                                                                     |                                          | 45970-1211  |                                                                                                                                  | 45970-1311                   |                                                            | 45970-1411   |                              | 45970-1511                |   | 45970-1611  |                      | 45970-1711                              |   |        |  |  |  |   |  |        |  |
|          |       | 20                                                                                                                        | 1.196 | 45970-2111                                                                                                                     |                                          | 45970-2211  |                                                                                                                                  | 45970-2311                   |                                                            | 45970-2411   |                              | 45970-2511                |   | 45970-2611  |                      | 45970-2711                              |   |        |  |  |  |   |  |        |  |
|          |       | 30                                                                                                                        | 1.696 | 45970-3111                                                                                                                     |                                          | 45970-3211  |                                                                                                                                  | 45970-3311                   |                                                            | 45970-3411   |                              | 45970-3511                |   | 45970-3611  |                      | 45970-3711                              |   |        |  |  |  |   |  |        |  |
|          |       | 40                                                                                                                        | 2.196 | 45970-4111                                                                                                                     |                                          | 45970-4211  |                                                                                                                                  | 45970-4311                   |                                                            | 45970-4411   |                              | 45970-4511                |   | 45970-4611  |                      | 45970-4711                              |   |        |  |  |  |   |  |        |  |
|          |       | 50                                                                                                                        | 2.696 | 45970-5111                                                                                                                     |                                          | 45970-5211  |                                                                                                                                  | 45970-5311                   |                                                            | 45970-5411   |                              | 45970-5511                |   | 45970-5611  |                      | 45970-5711                              |   |        |  |  |  |   |  |        |  |
|          |       | 15                                                                                                                        | 0.946 | 45970-6111                                                                                                                     |                                          | 45970-6211  |                                                                                                                                  | 45970-6311                   |                                                            | 45970-6411   |                              | 45970-6511                |   | 45970-6611  |                      | 45970-6711                              |   |        |  |  |  |   |  |        |  |
|          |       | 25                                                                                                                        | 1.446 | 45970-7111                                                                                                                     |                                          | 45970-7211  |                                                                                                                                  | 45970-7311                   |                                                            | 45970-7411   |                              | 45970-7511                |   | 45970-7611  |                      | 45970-7711                              |   |        |  |  |  |   |  |        |  |
|          |       | 35                                                                                                                        | 1.946 | 45970-8111                                                                                                                     |                                          | 45970-8211  |                                                                                                                                  | 45970-8311                   |                                                            | 45970-8411   |                              | 45970-8511                |   | 45970-8611  |                      | 45970-8711                              |   |        |  |  |  |   |  |        |  |
|          |       | 45                                                                                                                        | 2.446 | 45970-9111                                                                                                                     |                                          | 45970-9211  |                                                                                                                                  | 45970-9311                   |                                                            | 45970-9411   |                              | 45970-9511                |   | 45970-9611  |                      | 45970-9711                              |   |        |  |  |  |   |  |        |  |
|          |       | C                                                                                                                         |       | TAPE AND REEL PACK PK-45971-002                                                                                                |                                          | DIM P:      |                                                                                                                                  | 2.0 MM                       |                                                            | 3.0 MM       |                              | 3.5 MM                    |   | 2.5 MM      |                      | 4.5 MM                                  |   | 5.0 MM |  |  |  |   |  | 7.0 MM |  |
| DIM R:   |       |                                                                                                                           |       | .221                                                                                                                           |                                          | .260        |                                                                                                                                  | .280                         |                                                            | .241         |                              | .319                      |   | .339        |                      | .418                                    |   |        |  |  |  |   |  |        |  |
| POSITION | DIM G |                                                                                                                           |       | MATERIAL NO                                                                                                                    |                                          | MATERIAL NO |                                                                                                                                  | MATERIAL NO                  |                                                            | MATERIAL NO  |                              | MATERIAL NO               |   | MATERIAL NO |                      | MATERIAL NO                             |   |        |  |  |  |   |  |        |  |
| 19       | 1.146 |                                                                                                                           |       | 45970-0115                                                                                                                     |                                          | 45970-0215  |                                                                                                                                  | 45970-0315                   |                                                            | 45970-0415   |                              | 45970-0515                |   | 45970-0615  |                      | 45970-0715                              |   |        |  |  |  |   |  |        |  |
| 10       | 0.696 |                                                                                                                           |       | 45970-1115                                                                                                                     |                                          | 45970-1215  |                                                                                                                                  | 45970-1315                   |                                                            | 45970-1415   |                              | 45970-1515                |   | 45970-1615  |                      | 45970-1715                              |   |        |  |  |  |   |  |        |  |
| 20       | 1.196 |                                                                                                                           |       | 45970-2115                                                                                                                     |                                          | 45970-2215  |                                                                                                                                  | 45970-2315                   |                                                            | 45970-2415   |                              | 45970-2515                |   | 45970-2615  |                      | 45970-2715                              |   |        |  |  |  |   |  |        |  |
| 30       | 1.696 |                                                                                                                           |       | 45970-3115                                                                                                                     |                                          | 45970-3215  |                                                                                                                                  | 45970-3315                   |                                                            | 45970-3415   |                              | 45970-3515                |   | 45970-3615  |                      | 45970-3715                              |   |        |  |  |  |   |  |        |  |
| 40       | 2.196 |                                                                                                                           |       | 45970-4115                                                                                                                     |                                          | 45970-4215  |                                                                                                                                  | 45970-4315                   |                                                            | 45970-4415   |                              | 45970-4515                |   | 45970-4615  |                      | 45970-4715                              |   |        |  |  |  |   |  |        |  |
| 50       | 2.696 |                                                                                                                           |       | 45970-5115                                                                                                                     |                                          | 45970-5215  |                                                                                                                                  | 45970-5315                   |                                                            | 45970-5415   |                              | 45970-5515                |   | 45970-5615  |                      | 45970-5715                              |   |        |  |  |  |   |  |        |  |
| 15       | 0.946 |                                                                                                                           |       | 45970-6115                                                                                                                     |                                          | 45970-6215  |                                                                                                                                  | 45970-6315                   |                                                            | 45970-6415   |                              | 45970-6515                |   | 45970-6615  |                      | 45970-6715                              |   |        |  |  |  |   |  |        |  |
| 25       | 1.446 |                                                                                                                           |       | 45970-7115                                                                                                                     |                                          | 45970-7215  |                                                                                                                                  | 45970-7315                   |                                                            | 45970-7415   |                              | 45970-7515                |   | 45970-7615  |                      | 45970-7715                              |   |        |  |  |  |   |  |        |  |
| 35       | 1.946 |                                                                                                                           |       | 45970-8115                                                                                                                     |                                          | 45970-8215  |                                                                                                                                  | 45970-8315                   |                                                            | 45970-8415   |                              | 45970-8515                |   | 45970-8615  |                      | 45970-8715                              |   |        |  |  |  |   |  |        |  |
| 45       | 2.446 |                                                                                                                           |       | 45970-9115                                                                                                                     |                                          | 45970-9215  |                                                                                                                                  | 45970-9315                   |                                                            | 45970-9415   |                              | 45970-9515                |   | 45970-9615  |                      | 45970-9715                              |   |        |  |  |  |   |  |        |  |
| B        |       |                                                                                                                           |       | NOTES:<br>1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS<br>ROWS: 10<br>SOLDER CHARGE: TIN<br>PACKAGING: TRAYS AND TAPE AND REEL |                                          |             |                                                                                                                                  |                              |                                                            |              |                              |                           |   |             |                      |                                         |   |        |  |  |  |   |  |        |  |
|          |       | SEE SHEET 1<br>EC NO: UCP2010-2270<br>DRWN: TGREGORI 2010/03/05<br>CHKD: JCOMERCI 2010/03/05<br>APPR: JCOMERCI 2010/03/05 |       | DESCRIPTION                                                                                                                    | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |             |                                                                                                                                  | DIMENSION STYLE<br>INCH ONLY |                                                            | SCALE<br>4:1 | DESIGN UNITS<br>INCH         | THIRD ANGLE<br>PROJECTION |   |             |                      |                                         |   |        |  |  |  |   |  |        |  |
|          |       |                                                                                                                           |       |                                                                                                                                | mm                                       |             | INCH                                                                                                                             |                              | DRAWN BY<br>TGREGORI                                       |              | DATE<br>2005/01/27           |                           |   |             |                      | SEARAY<br>PLUG ASSEMBLY<br>.050 CENTERS |   |        |  |  |  |   |  |        |  |
|          |       |                                                                                                                           |       |                                                                                                                                | 4 PLACES ± ---                           |             | ± ---                                                                                                                            |                              | CHECKED BY<br>JCOMERCI                                     |              | DATE                         |                           |   |             |                      |                                         |   |        |  |  |  |   |  |        |  |
|          |       |                                                                                                                           |       |                                                                                                                                | 3 PLACES ± ---                           |             | ± .010                                                                                                                           |                              | APPROVED BY<br>JCOMERCI                                    |              | DATE<br>2010/03/05           |                           |   |             |                      |                                         |   |        |  |  |  |   |  |        |  |
|          |       |                                                                                                                           |       |                                                                                                                                | 2 PLACES ± ---                           |             | ± .015                                                                                                                           |                              | MOLEX INCORPORATED                                         |              | DOCUMENT NO.<br>SD-45970-001 |                           |   |             | SHEET NO.<br>7 OF 10 |                                         |   |        |  |  |  |   |  |        |  |
|          |       |                                                                                                                           |       |                                                                                                                                | 1 PLACE ± ---                            |             | ± ---                                                                                                                            |                              | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |              |                              |                           |   |             |                      |                                         |   |        |  |  |  |   |  |        |  |
|          |       |                                                                                                                           |       |                                                                                                                                | ANGULAR ± ---°                           |             | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                              |                                                            |              |                              |                           |   |             |                      |                                         |   |        |  |  |  |   |  |        |  |
|          |       |                                                                                                                           |       |                                                                                                                                | M                                        |             | REV                                                                                                                              |                              |                                                            |              |                              |                           |   |             |                      |                                         |   |        |  |  |  |   |  |        |  |
|          |       |                                                                                                                           |       |                                                                                                                                |                                          |             |                                                                                                                                  |                              |                                                            |              |                              |                           |   |             |                      |                                         |   |        |  |  |  |   |  |        |  |
|          |       |                                                                                                                           |       |                                                                                                                                | A                                        |             | tb_frame_A_P_AM_T<br>Rev. E 2006/04/15                                                                                           |                              | 5                                                          |              | 4                            |                           | 3 |             | 2                    |                                         | 1 |        |  |  |  |   |  |        |  |

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A

TRAY PACK PK-45971-001

TAPE AND REEL PACK PK-45971-002

|          |       |             |             |             |             |             |             |             |
|----------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| DIM P:   |       | 2.0 MM      | 3.0 MM      | 3.5 MM      | 2.5 MM      | 4.5 MM      | 5.0 MM      | 7.0 MM      |
| DIM R:   |       | .221        | .260        | .280        | .241        | .319        | .339        | .418        |
| POSITION | DIM G | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO |
| 19       | 1.146 | 45970-0113  | 45970-0213  | 45970-0313  | 45970-0413  | 45970-0513  | 45970-0613  | 45970-0713  |
| 10       | 0.696 | 45970-1113  | 45970-1213  | 45970-1313  | 45970-1413  | 45970-1513  | 45970-1613  | 45970-1713  |
| 20       | 1.196 | 45970-2113  | 45970-2213  | 45970-2313  | 45970-2413  | 45970-2513  | 45970-2613  | 45970-2713  |
| 30       | 1.696 | 45970-3113  | 45970-3213  | 45970-3313  | 45970-3413  | 45970-3513  | 45970-3613  | 45970-3713  |
| 40       | 2.196 | 45970-4113  | 45970-4213  | 45970-4313  | 45970-4413  | 45970-4513  | 45970-4613  | 45970-4713  |
| 50       | 2.696 | 45970-5113  | 45970-5213  | 45970-5313  | 45970-5413  | 45970-5513  | 45970-5613  | 45970-5713  |
| 15       | 0.946 | 45970-6113  | 45970-6213  | 45970-6313  | 45970-6413  | 45970-6513  | 45970-6613  | 45970-6713  |
| 25       | 1.446 | 45970-7113  | 45970-7213  | 45970-7313  | 45970-7413  | 45970-7513  | 45970-7613  | 45970-7713  |
| 35       | 1.946 | 45970-8113  | 45970-8213  | 45970-8313  | 45970-8413  | 45970-8513  | 45970-8613  | 45970-8713  |
| 45       | 2.446 | 45970-9113  | 45970-9213  | 45970-9313  | 45970-9413  | 45970-9513  | 45970-9613  | 45970-9713  |

|          |       |             |             |             |             |             |             |             |
|----------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| DIM P:   |       | 2.0 MM      | 3.0 MM      | 3.5 MM      | 2.5 MM      | 4.5 MM      | 5.0 MM      | 7.0 MM      |
| DIM R:   |       | .221        | .260        | .280        | .241        | .319        | .339        | .418        |
| POSITION | DIM G | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO | MATERIAL NO |
| 19       | 1.146 | 45970-0117  | 45970-0217  | 45970-0317  | 45970-0417  | 45970-0517  | 45970-0617  | 45970-0717  |
| 10       | 0.696 | 45970-1117  | 45970-1217  | 45970-1317  | 45970-1417  | 45970-1517  | 45970-1617  | 45970-1717  |
| 20       | 1.196 | 45970-2117  | 45970-2217  | 45970-2317  | 45970-2417  | 45970-2517  | 45970-2617  | 45970-2717  |
| 30       | 1.696 | 45970-3117  | 45970-3217  | 45970-3317  | 45970-3417  | 45970-3517  | 45970-3617  | 45970-3717  |
| 40       | 2.196 | 45970-4117  | 45970-4217  | 45970-4317  | 45970-4417  | 45970-4517  | 45970-4617  | 45970-4717  |
| 50       | 2.696 | 45970-5117  | 45970-5217  | 45970-5317  | 45970-5417  | 45970-5517  | 45970-5617  | 45970-5717  |
| 15       | 0.946 | 45970-6117  | 45970-6217  | 45970-6317  | 45970-6417  | 45970-6517  | 45970-6617  | 45970-6717  |
| 25       | 1.446 | 45970-7117  | 45970-7217  | 45970-7317  | 45970-7417  | 45970-7517  | 45970-7617  | 45970-7717  |
| 35       | 1.946 | 45970-8117  | 45970-8217  | 45970-8317  | 45970-8417  | 45970-8517  | 45970-8617  | 45970-8717  |
| 45       | 2.446 | 45970-9117  | 45970-9217  | 45970-9317  | 45970-9417  | 45970-9517  | 45970-9617  | 45970-9717  |

NOTES:  
1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS  
ROWS: 10  
SOLDER CHARGE: TIN / LEAD  
PACKAGING: TRAYS AND TAPE AND REEL

|                                                                                                                             |             |                                          |                              |                                                                                                                                  |                              |                    |                                                      |                      |                           |
|-----------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------|------------------------------------------------------|----------------------|---------------------------|
| SEE SHEET 1<br>EC NO: UCP2010-2270<br>DRWN: TREGOR I 2010/03/05<br>CHKD: JCOMERC I 2010/03/05<br>APPR: JCOMERC I 2010/03/05 | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                              |                                                                                                                                  | DIMENSION STYLE<br>INCH ONLY |                    | SCALE<br>4:1                                         | DESIGN UNITS<br>INCH | THIRD ANGLE<br>PROJECTION |
|                                                                                                                             |             |                                          | mm                           | INCH                                                                                                                             | DRAWN BY<br>TREGOR I         | DATE<br>2005/01/27 | TITLE<br><br>SEARAY<br>PLUG ASSEMBLY<br>.050 CENTERS |                      |                           |
|                                                                                                                             |             | 4 PLACES                                 | ± ---                        | ± ---                                                                                                                            | CHECKED BY<br>JCOMERC I      | DATE               |                                                      |                      |                           |
|                                                                                                                             |             | 3 PLACES                                 | ± ---                        | ± .010                                                                                                                           | APPROVED BY<br>JCOMERC I     |                    |                                                      | DATE<br>2010/03/05   |                           |
|                                                                                                                             |             | 2 PLACES                                 | ± ---                        | ± .015                                                                                                                           | MOLEX INCORPORATED           |                    |                                                      |                      |                           |
|                                                                                                                             |             | 1 PLACE                                  | ± ---                        | ± ---                                                                                                                            |                              |                    |                                                      |                      |                           |
| ANGULAR ± ---°                                                                                                              |             |                                          | DOCUMENT NO.<br>SD-45970-001 |                                                                                                                                  | SHEET NO.<br>8 OF 10         |                    |                                                      |                      |                           |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                  |             |                                          | SIZE<br>A                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                              |                    |                                                      |                      |                           |

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Rev. E 2006/04/15

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|   |                                 |                                                                                                                                |             |                                          |  |                                                            |  |              |  |                                                                                                                                  |  |                                                                                                                 |  |                                         |  |             |  |                       |  |                        |  |                    |  |
|---|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------|--|------------------------------------------------------------|--|--------------|--|----------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|--|-----------------------------------------|--|-------------|--|-----------------------|--|------------------------|--|--------------------|--|
| 6 |                                 | 5                                                                                                                              |             | 4                                        |  | 3                                                          |  | 2            |  | 1                                                                                                                                |  |                                                                                                                 |  |                                         |  |             |  |                       |  |                        |  |                    |  |
| D | TRAY PACK PK-45971-001          | DIM P:                                                                                                                         |             | 2.0 MM                                   |  | 3.0 MM                                                     |  | 3.5 MM       |  | 2.5 MM                                                                                                                           |  | 4.5 MM                                                                                                          |  | 5.0 MM                                  |  | 7.0 MM      |  |                       |  |                        |  |                    |  |
|   |                                 | DIM R:                                                                                                                         |             | .221                                     |  | .260                                                       |  | .280         |  | .241                                                                                                                             |  | .319                                                                                                            |  | .339                                    |  | .418        |  |                       |  |                        |  |                    |  |
|   |                                 | POSITION                                                                                                                       | DIM G       | MATERIAL NO                              |  | MATERIAL NO                                                |  | MATERIAL NO  |  | MATERIAL NO                                                                                                                      |  | MATERIAL NO                                                                                                     |  | MATERIAL NO                             |  | MATERIAL NO |  |                       |  |                        |  |                    |  |
|   |                                 | 19                                                                                                                             | 1.146       | 45970-0121                               |  | 45970-0221                                                 |  | 45970-0321   |  | 45970-0421                                                                                                                       |  | 45970-0521                                                                                                      |  | 45970-0621                              |  | 45970-0721  |  |                       |  |                        |  |                    |  |
|   |                                 | 10                                                                                                                             | 0.696       | 45970-1121                               |  | 45970-1221                                                 |  | 45970-1321   |  | 45970-1421                                                                                                                       |  | 45970-1521                                                                                                      |  | 45970-1621                              |  | 45970-1721  |  |                       |  |                        |  |                    |  |
|   |                                 | 20                                                                                                                             | 1.196       | 45970-2121                               |  | 45970-2221                                                 |  | 45970-2321   |  | 45970-2421                                                                                                                       |  | 45970-2521                                                                                                      |  | 45970-2621                              |  | 45970-2721  |  |                       |  |                        |  |                    |  |
|   |                                 | 30                                                                                                                             | 1.696       | 45970-3121                               |  | 45970-3221                                                 |  | 45970-3321   |  | 45970-3421                                                                                                                       |  | 45970-3521                                                                                                      |  | 45970-3621                              |  | 45970-3721  |  |                       |  |                        |  |                    |  |
|   |                                 | 40                                                                                                                             | 2.196       | 45970-4121                               |  | 45970-4221                                                 |  | 45970-4321   |  | 45970-4421                                                                                                                       |  | 45970-4521                                                                                                      |  | 45970-4621                              |  | 45970-4721  |  |                       |  |                        |  |                    |  |
|   |                                 | 50                                                                                                                             | 2.696       | 45970-5121                               |  | 45970-5221                                                 |  | 45970-5321   |  | 45970-5421                                                                                                                       |  | 45970-5521                                                                                                      |  | 45970-5621                              |  | 45970-5721  |  |                       |  |                        |  |                    |  |
|   |                                 | 15                                                                                                                             | 0.946       | 45970-6121                               |  | 45970-6221                                                 |  | 45970-6321   |  | 45970-6421                                                                                                                       |  | 45970-6521                                                                                                      |  | 45970-6621                              |  | 45970-6721  |  |                       |  |                        |  |                    |  |
|   |                                 | 25                                                                                                                             | 1.446       | 45970-7121                               |  | 45970-7221                                                 |  | 45970-7321   |  | 45970-7421                                                                                                                       |  | 45970-7521                                                                                                      |  | 45970-7621                              |  | 45970-7721  |  |                       |  |                        |  |                    |  |
|   |                                 | 35                                                                                                                             | 1.946       | 45970-8121                               |  | 45970-8221                                                 |  | 45970-8321   |  | 45970-8421                                                                                                                       |  | 45970-8521                                                                                                      |  | 45970-8621                              |  | 45970-8721  |  |                       |  |                        |  |                    |  |
|   |                                 | 45                                                                                                                             | 2.446       | 45970-9121                               |  | 45970-9221                                                 |  | 45970-9321   |  | 45970-9421                                                                                                                       |  | 45970-9521                                                                                                      |  | 45970-9621                              |  | 45970-9721  |  |                       |  |                        |  |                    |  |
| C | TAPE AND REEL PACK PK-45971-002 | DIM P:                                                                                                                         |             | 2.0 MM                                   |  | 3.0 MM                                                     |  | 3.5 MM       |  | 2.5 MM                                                                                                                           |  | 4.5 MM                                                                                                          |  | 5.0 MM                                  |  | 7.0 MM      |  |                       |  |                        |  |                    |  |
|   |                                 | DIM R:                                                                                                                         |             | .221                                     |  | .260                                                       |  | .280         |  | .241                                                                                                                             |  | .319                                                                                                            |  | .339                                    |  | .418        |  |                       |  |                        |  |                    |  |
|   |                                 | POSITION                                                                                                                       | DIM G       | MATERIAL NO                              |  | MATERIAL NO                                                |  | MATERIAL NO  |  | MATERIAL NO                                                                                                                      |  | MATERIAL NO                                                                                                     |  | MATERIAL NO                             |  | MATERIAL NO |  |                       |  |                        |  |                    |  |
|   |                                 | 19                                                                                                                             | 1.146       | 45970-0125                               |  | 45970-0225                                                 |  | 45970-0325   |  | 45970-0425                                                                                                                       |  | 45970-0525                                                                                                      |  | 45970-0625                              |  | 45970-0725  |  |                       |  |                        |  |                    |  |
|   |                                 | 10                                                                                                                             | 0.696       | 45970-1125                               |  | 45970-1225                                                 |  | 45970-1325   |  | 45970-1425                                                                                                                       |  | 45970-1525                                                                                                      |  | 45970-1625                              |  | 45970-1725  |  |                       |  |                        |  |                    |  |
|   |                                 | 20                                                                                                                             | 1.196       | 45970-2125                               |  | 45970-2225                                                 |  | 45970-2325   |  | 45970-2425                                                                                                                       |  | 45970-2525                                                                                                      |  | 45970-2625                              |  | 45970-2725  |  |                       |  |                        |  |                    |  |
|   |                                 | 30                                                                                                                             | 1.696       | 45970-3125                               |  | 45970-3225                                                 |  | 45970-3325   |  | 45970-3425                                                                                                                       |  | 45970-3525                                                                                                      |  | 45970-3625                              |  | 45970-3725  |  |                       |  |                        |  |                    |  |
|   |                                 | 40                                                                                                                             | 2.196       | 45970-4125                               |  | 45970-4225                                                 |  | 45970-4325   |  | 45970-4425                                                                                                                       |  | 45970-4525                                                                                                      |  | 45970-4625                              |  | 45970-4725  |  |                       |  |                        |  |                    |  |
|   |                                 | 50                                                                                                                             | 2.696       | 45970-5125                               |  | 45970-5225                                                 |  | 45970-5325   |  | 45970-5425                                                                                                                       |  | 45970-5525                                                                                                      |  | 45970-5625                              |  | 45970-5725  |  |                       |  |                        |  |                    |  |
|   |                                 | 15                                                                                                                             | 0.946       | 45970-6125                               |  | 45970-6225                                                 |  | 45970-6325   |  | 45970-6425                                                                                                                       |  | 45970-6525                                                                                                      |  | 45970-6625                              |  | 45970-6725  |  |                       |  |                        |  |                    |  |
|   |                                 | 25                                                                                                                             | 1.446       | 45970-7125                               |  | 45970-7225                                                 |  | 45970-7325   |  | 45970-7425                                                                                                                       |  | 45970-7525                                                                                                      |  | 45970-7625                              |  | 45970-7725  |  |                       |  |                        |  |                    |  |
|   |                                 | 35                                                                                                                             | 1.946       | 45970-8125                               |  | 45970-8225                                                 |  | 45970-8325   |  | 45970-8425                                                                                                                       |  | 45970-8525                                                                                                      |  | 45970-8625                              |  | 45970-8725  |  |                       |  |                        |  |                    |  |
|   |                                 | 45                                                                                                                             | 2.446       | 45970-9125                               |  | 45970-9225                                                 |  | 45970-9325   |  | 45970-9425                                                                                                                       |  | 45970-9525                                                                                                      |  | 45970-9625                              |  | 45970-9725  |  |                       |  |                        |  |                    |  |
| B |                                 | NOTES:<br>1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS<br>ROWS: 12<br>SOLDER CHARGE: TIN<br>PACKAGING: TRAYS AND TAPE AND REEL |             |                                          |  |                                                            |  |              |  |                                                                                                                                  |  |                                                                                                                 |  |                                         |  |             |  |                       |  |                        |  |                    |  |
|   |                                 | SEE SHEET 1<br>EC NO: UCP2010-2270<br>DRWN: TGREGORI 2010/03/05<br>CHKD: JCOMERCI 2010/03/05<br>APPR: JCOMERCI 2010/03/05      | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |  | DIMENSION STYLE<br>INCH ONLY                               |  | SCALE<br>4:1 |  | DESIGN UNITS<br>INCH                                                                                                             |  |  THIRD ANGLE<br>PROJECTION |  | SEARAY<br>PLUG ASSEMBLY<br>.050 CENTERS |  |             |  |                       |  |                        |  |                    |  |
|   |                                 |                                                                                                                                |             |                                          |  |                                                            |  |              |  |                                                                                                                                  |  |                                                                                                                 |  |                                         |  |             |  | 4 PLACES ± --- ± ---  |  | DRAWN BY<br>TGREGORI   |  | DATE<br>2005/01/27 |  |
|   |                                 |                                                                                                                                |             |                                          |  |                                                            |  |              |  |                                                                                                                                  |  |                                                                                                                 |  |                                         |  |             |  | 3 PLACES ± --- ± .010 |  | CHECKED BY<br>JCOMERCI |  | DATE               |  |
|   |                                 |                                                                                                                                |             |                                          |  |                                                            |  |              |  |                                                                                                                                  |  |                                                                                                                 |  |                                         |  |             |  | 2 PLACES ± --- ± .015 |  | APPROVED BY            |  | DATE               |  |
|   |                                 |                                                                                                                                |             |                                          |  |                                                            |  |              |  |                                                                                                                                  |  |                                                                                                                 |  |                                         |  |             |  | 1 PLACE ± --- ± ---   |  | JCOMERCI               |  | 2010/03/05         |  |
|   |                                 |                                                                                                                                |             | ANGULAR ± ---°                           |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SIZE<br>A    |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  | DOCUMENT NO.<br>SD-45970-001                                                                                    |  | SHEET NO.<br>9 OF 10                    |  |             |  |                       |  |                        |  |                    |  |
|   |                                 |                                                                                                                                |             |                                          |  |                                                            |  |              |  |                                                                                                                                  |  |                                                                                                                 |  |                                         |  |             |  |                       |  |                        |  |                    |  |
|   |                                 |                                                                                                                                |             |                                          |  |                                                            |  |              |  |                                                                                                                                  |  |                                                                                                                 |  |                                         |  |             |  |                       |  |                        |  |                    |  |
|   |                                 |                                                                                                                                |             | M                                        |  | REV                                                        |  |              |  |                                                                                                                                  |  |                                                                                                                 |  |                                         |  |             |  |                       |  |                        |  |                    |  |
|   |                                 |                                                                                                                                |             | tb_frame_A_P_AM_T<br>Rev. E 2006/04/15   |  |                                                            |  |              |  |                                                                                                                                  |  |                                                                                                                 |  |                                         |  |             |  |                       |  |                        |  |                    |  |
|   |                                 |                                                                                                                                |             | 5                                        |  | 4                                                          |  | 3            |  | 2                                                                                                                                |  | 1                                                                                                               |  |                                         |  |             |  |                       |  |                        |  |                    |  |

|   |                                 |                                                                                                                                       |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|---|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------|-------------|--|-------------|--|-------------|--|-------------|--|-------------|--|-------------|--|-------------|---|---|
|   |                                 | 6                                                                                                                                     |       | 5           |  | 4           |  | 3           |  | 2           |  | 1           |  |             |  |             |   |   |
| D | TRAY PACK PK-45971-001          | DIM P:                                                                                                                                |       | 2.0 MM      |  | 3.0 MM      |  | 3.5 MM      |  | 2.5 MM      |  | 4.5 MM      |  | 5.0 MM      |  | 7.0 MM      |   | D |
|   |                                 | DIM R:                                                                                                                                |       | .221        |  | .260        |  | .280        |  | .241        |  | .319        |  | .339        |  | .418        |   |   |
|   |                                 | POSITION                                                                                                                              | DIM G | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |   |   |
|   |                                 | 19                                                                                                                                    | 1.146 | 45970-0123  |  | 45970-0223  |  | 45970-0323  |  | 45970-0423  |  | 45970-0523  |  | 45970-0623  |  | 45970-0723  |   |   |
|   |                                 | 10                                                                                                                                    | 0.696 | 45970-1123  |  | 45970-1223  |  | 45970-1323  |  | 45970-1423  |  | 45970-1523  |  | 45970-1623  |  | 45970-1723  |   |   |
|   |                                 | 20                                                                                                                                    | 1.196 | 45970-2123  |  | 45970-2223  |  | 45970-2323  |  | 45970-2423  |  | 45970-2523  |  | 45970-2623  |  | 45970-2723  |   |   |
|   |                                 | 30                                                                                                                                    | 1.696 | 45970-3123  |  | 45970-3223  |  | 45970-3323  |  | 45970-3423  |  | 45970-3523  |  | 45970-3623  |  | 45970-3723  |   |   |
|   |                                 | 40                                                                                                                                    | 2.196 | 45970-4123  |  | 45970-4223  |  | 45970-4323  |  | 45970-4423  |  | 45970-4523  |  | 45970-4623  |  | 45970-4723  |   |   |
|   |                                 | 50                                                                                                                                    | 2.696 | 45970-5123  |  | 45970-5223  |  | 45970-5323  |  | 45970-5423  |  | 45970-5523  |  | 45970-5623  |  | 45970-5723  |   |   |
|   |                                 | 15                                                                                                                                    | 0.946 | 45970-6123  |  | 45970-6223  |  | 45970-6323  |  | 45970-6423  |  | 45970-6523  |  | 45970-6623  |  | 45970-6723  |   |   |
|   |                                 | 25                                                                                                                                    | 1.446 | 45970-7123  |  | 45970-7223  |  | 45970-7323  |  | 45970-7423  |  | 45970-7523  |  | 45970-7623  |  | 45970-7723  |   |   |
|   |                                 | 35                                                                                                                                    | 1.946 | 45970-8123  |  | 45970-8223  |  | 45970-8323  |  | 45970-8423  |  | 45970-8523  |  | 45970-8623  |  | 45970-8723  |   |   |
|   |                                 | 45                                                                                                                                    | 2.446 | 45970-9123  |  | 45970-9223  |  | 45970-9323  |  | 45970-9423  |  | 45970-9523  |  | 45970-9623  |  | 45970-9723  |   |   |
| C | TAPE AND REEL PACK PK-45971-002 | DIM P:                                                                                                                                |       | 2.0 MM      |  | 3.0 MM      |  | 3.5 MM      |  | 2.5 MM      |  | 4.5 MM      |  | 5.0 MM      |  | 7.0 MM      |   | C |
|   |                                 | DIM R:                                                                                                                                |       | .221        |  | .260        |  | .280        |  | .241        |  | .319        |  | .339        |  | .418        |   |   |
|   |                                 | POSITION                                                                                                                              | DIM G | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |   |   |
|   |                                 | 19                                                                                                                                    | 1.146 | 45970-0127  |  | 45970-0227  |  | 45970-0327  |  | 45970-0427  |  | 45970-0527  |  | 45970-0627  |  | 45970-0727  |   |   |
|   |                                 | 10                                                                                                                                    | 0.696 | 45970-1127  |  | 45970-1227  |  | 45970-1327  |  | 45970-1427  |  | 45970-1527  |  | 45970-1627  |  | 45970-1727  |   |   |
|   |                                 | 20                                                                                                                                    | 1.196 | 45970-2127  |  | 45970-2227  |  | 45970-2327  |  | 45970-2427  |  | 45970-2527  |  | 45970-2627  |  | 45970-2727  |   |   |
|   |                                 | 30                                                                                                                                    | 1.696 | 45970-3127  |  | 45970-3227  |  | 45970-3327  |  | 45970-3427  |  | 45970-3527  |  | 45970-3627  |  | 45970-3727  |   |   |
|   |                                 | 40                                                                                                                                    | 2.196 | 45970-4127  |  | 45970-4227  |  | 45970-4327  |  | 45970-4427  |  | 45970-4527  |  | 45970-4627  |  | 45970-4727  |   |   |
|   |                                 | 50                                                                                                                                    | 2.696 | 45970-5127  |  | 45970-5227  |  | 45970-5327  |  | 45970-5427  |  | 45970-5527  |  | 45970-5627  |  | 45970-5727  |   |   |
|   |                                 | 15                                                                                                                                    | 0.946 | 45970-6127  |  | 45970-6227  |  | 45970-6327  |  | 45970-6427  |  | 45970-6527  |  | 45970-6627  |  | 45970-6727  |   |   |
|   |                                 | 25                                                                                                                                    | 1.446 | 45970-7127  |  | 45970-7227  |  | 45970-7327  |  | 45970-7427  |  | 45970-7527  |  | 45970-7627  |  | 45970-7727  |   |   |
|   |                                 | 35                                                                                                                                    | 1.946 | 45970-8127  |  | 45970-8227  |  | 45970-8327  |  | 45970-8427  |  | 45970-8527  |  | 45970-8627  |  | 45970-8727  |   |   |
|   |                                 | 45                                                                                                                                    | 2.446 | 45970-9127  |  | 45970-9227  |  | 45970-9327  |  | 45970-9427  |  | 45970-9527  |  | 45970-9627  |  | 45970-9727  |   |   |
| B |                                 | NOTES:<br>1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS<br>ROWS: 12<br>SOLDER CHARGE: TIN / LEAD<br>PACKAGING: TRAYS AND TAPE AND REEL |       |             |  |             |  |             |  |             |  |             |  |             |  |             | B |   |
|   |                                 |                                                                                                                                       |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 |                                                                                                                                       |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 |                                                                                                                                       |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 |                                                                                                                                       |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 |                                                                                                                                       |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 |                                                                                                                                       |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 |                                                                                                                                       |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 |                                                                                                                                       |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 |                                                                                                                                       |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 |                                                                                                                                       |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 |                                                                                                                                       |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 |                                                                                                                                       |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
| A |                                 | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                 |       |             |  |             |  |             |  |             |  |             |  |             |  |             | A |   |
|   |                                 | DIMENSION STYLE INCH ONLY                                                                                                             |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 | SCALE 4:1 DESIGN UNITS INCH THIRD ANGLE PROJECTION                                                                                    |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 | DRAWN BY TGREGORI DATE 2005/01/27                                                                                                     |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 | CHECKED BY JCOMERCI DATE                                                                                                              |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 | APPROVED BY JCOMERCI DATE 2010/03/05                                                                                                  |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 | ANGULAR ±---°                                                                                                                         |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                  |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 | SIZE A THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION  |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 | TITLE SEARAY PLUG ASSEMBLY .050 CENTERS                                                                                               |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 | MOLEX MOLEX INCORPORATED                                                                                                              |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 | DOCUMENT NO. SD-45970-001 SHEET NO. 10 OF 10                                                                                          |       |             |  |             |  |             |  |             |  |             |  |             |  |             |   |   |
|   |                                 | tb_frame_A_P_AM_T<br>Rev. E 2006/04/15                                                                                                |       | 5           |  | 4           |  | 3           |  | 2           |  | 1           |  |             |  |             |   |   |