

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0432496104

Status:

Active

Overview:

modular\_plugs\_jacks

Description:

Modular Jack, Right Angle, Low Profile, 6/4, Flangeless

Documents:

- 3D Model

Product Specification PSX-43249 (PDF)
- Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E107635

General

Product Family

Modular Jacks/Plugs

Series

43249

Component Type

PCB Jack

Magnetic

No

Overview

modular\_plugs\_jacks

Performance Category

3

Power over Ethernet (PoE)

N/A

Product Name

RJ11

Physical

Boot Color

N/A

Color - Resin

Black

Durability (mating cycles max)

500

Flammability

94V-0

Inverted / Top Latch

No

Lightpipes/LEDs

None

Material - Metal

Phosphor Bronze

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

High Temperature Thermoplastic

Orientation

Right Angle (Side Entry)

PCB Locator

Yes

PCB Retention

Yes

PCB Thickness Recommended (in)

0.062 In

PCB Thickness Recommended (mm)

1.57 mm

Packaging Type

Tray

Pitch - Mating Interface (in)

0.040 In

Pitch - Mating Interface (mm)

1.02 mm

Pitch - Term. Interface (in)

0.050 In

Pitch - Term. Interface (mm)

1.27 mm

Plating min: Mating (µin)

50

Plating min: Mating (µm)

1.25

Plating min: Termination (µin)

100

Plating min: Termination (µm)

2.5

Ports

1

Positions / Loaded Contacts

6/4

Surface Mount Compatible (SMC)

Yes

Temperature Range - Operating

-40°C to +85°C

Termination Interface: Style

Through Hole

Waterproof / Dustproof

No

Wire/Cable Type

N/A

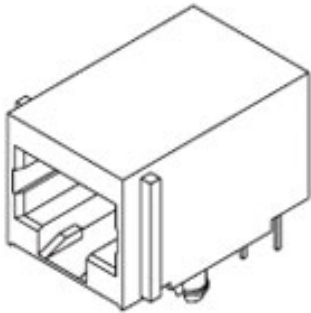


image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed

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  
43249Series

Mates With  
FCC 68 Plugs

**Electrical**

|                               |               |
|-------------------------------|---------------|
| Current - Maximum per Contact | 1.5A          |
| Grounding to Panel            | N/A           |
| Shielded                      | No            |
| Voltage - Maximum             | 150V AC (RMS) |

**Solder Process Data**

|                              |                        |
|------------------------------|------------------------|
| Lead-free Process Capability | Wave Capable (TH only) |
|------------------------------|------------------------|

**Material Info**

**Reference - Drawing Numbers**

|                         |              |
|-------------------------|--------------|
| Packaging Specification | PK-43249-004 |
| Product Specification   | PSX-43249    |
| Sales Drawing           | SDA-43249    |

This document was generated on 06/07/2010

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# NOTES:

## 1) MATERIAL:

HOUSING: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: BLACK  
INSULATOR: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: BLACK  
TERMINALS: PHOSPHOR BRONZE, .012/(0.30) THICK  
SHIELD: BRASS, .007/(0.18) THICK

## 2) FINISH:

### TERMINALS:

- A = SELECT GOLD IN CONTACT AREA: 50 MICROINCHES / 1.27 MICROMETERS MIN.,  
\*SELECT TIN IN PC TAIL AREA: 100 MICROINCHES / 2.54 MICROMETERS MIN.,  
WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES / 1.27 MICROMETERS MIN.  
B = SELECT GOLD IN CONTACT AREA: 30 MICROINCHES / 0.76 MICROMETERS MIN.,  
\*SELECT TIN IN PC TAIL AREA: 100 MICROINCHES / 2.54 MICROMETERS MIN.,  
WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES / 1.27 MICROMETERS MIN.

### SHIELD:

- \*100 MICROINCHES / 2.54 MICROMETERS NICKEL OVER 50 MICROINCHES / 1.27 MICROMETERS COPPER UNDERPLATE, PCB GROUND TABS DIPPED IN TIN  
\*THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC".  
CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD IN THE PC TAILS AND/OR SHIELD.

## 3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43249.

## 4) PACKAGING SPECIFICATION:

- UNSHIELDED CONNECTOR ASSEMBLIES PACKAGED IN THERMOFORMED TRAYS  
PER MOLEX PACKAGING SPECIFICATION PK-43249-004.  
UNSHIELDED CONNECTOR ASSEMBLIES PACKAGED IN TUBES  
PER MOLEX PACKAGING SPECIFICATION PK-43249-005.  
SHIELDED CONNECTOR ASSEMBLIES PACKAGED IN THERMOFORMED TRAYS  
PER MOLEX PACKAGING SPECIFICATION PK-44050-004.

## 5) MATES WITH: MODULAR PLUGS THAT CONFORM TO FCC REGULATION PART 68.5.

## 6) SEE SHEET 3 FOR SHIELDED JACK ASSEMBLY.

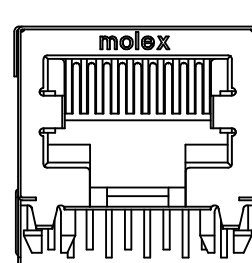
## 7) SEE SHEETS 5 & 6 FOR P.C. BOARD LAYOUTS.

## 8) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.

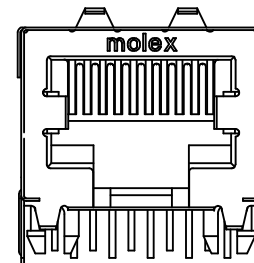
## 9) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

## 10) THIS PART CONFORMS TO FCC REGULATION 68.5 AND TIA 1096 FOR MODULAR JACKS.

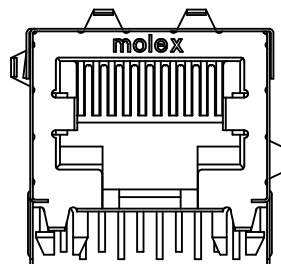
# SIDE/TOP GROUND TAB OPTIONS FOR SHIELDS



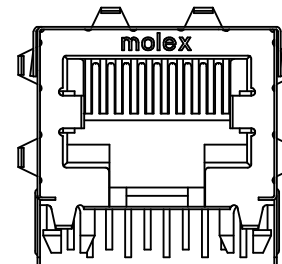
OPTION "A"  
NO TOP OR SIDE TABS



OPTION "B"  
TOP TABS

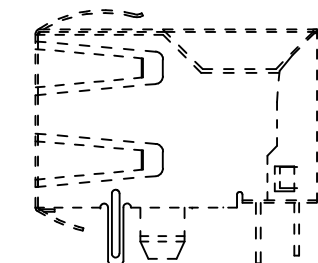


OPTION "C"  
TOP AND STAGGERED SIDE TABS

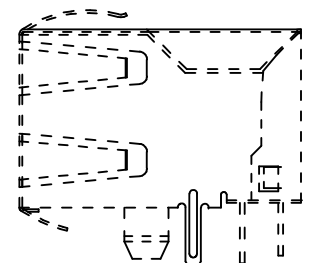


OPTION "D"  
TOP AND SIDE TABS

# BOTTOM PCB GROUND TAB OPTIONS FOR SHIELDS



OPTION "E"  
OPTIONAL FRONT POSITION



OPTION "F"  
OPTIONAL REAR POSITION

NOTE: EITHER PCB GROUND TAB OPTION IS AVAILABLE ON ALL SIDE/TOP TAB CONFIGURATIONS

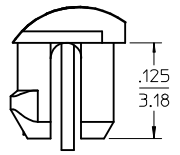
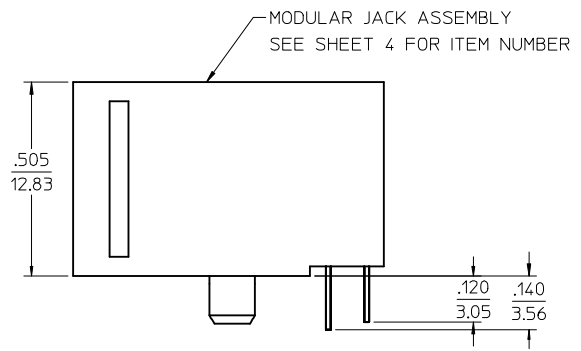
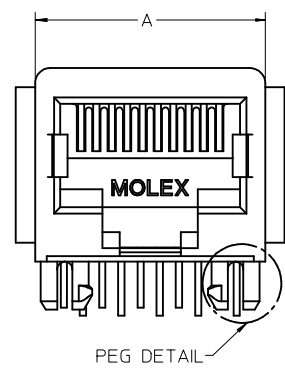
## DRAWING LEGEND

- SHEET 1- NOTES, GROUND TAB OPTIONS  
SHEET 2- UNSHIELDED MODULAR JACK  
SHEET 3- SHIELDED MODULAR JACK WITH  
OPTIONAL SIDE/TOP GROUND TABS & BOTTOM GROUND  
TAB WITH OPTIONAL POSITION.  
SHEET 4- PART NUMBER CHARTS  
SHEET 5- FOOTPRINT LAYOUT FOR 8 POSITION HOUSING  
SHEET 6- FOOTPRINT LAYOUT FOR 6 POSITION HOUSING

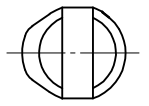
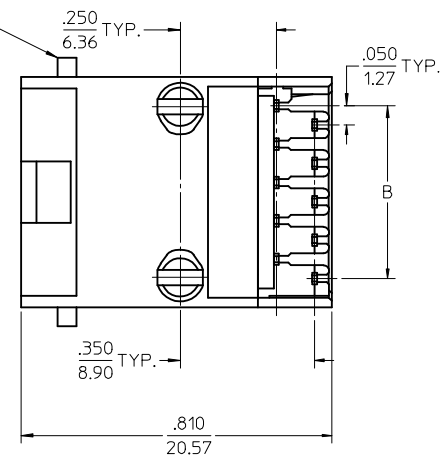
|                                                                                                                                     |             |                                       |                                       |            |                          |                 |                    |                      |                                                                                                                               |                                                            |  |
|-------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------|---------------------------------------|------------|--------------------------|-----------------|--------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--|
| ADDED NOTE 10<br>EC NO: UCP2009-0740<br>DRWN: KLOSTERNER 2008/09/29<br>CHKD: JEBELL 2008/10/03<br>APPR: FSMITH 2008/10/03<br><br>K1 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br><br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |            | DIMENSION STYLE<br>IN/MM |                 | SCALE<br>4:1       | DESIGN UNITS<br>INCH |  THIRD ANGLE PROJECTION                  | TITLE<br><br>LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY |  |
|                                                                                                                                     |             |                                       |                                       | mm         | INCH                     | DRAWN BY<br>JTR | DATE<br>1993/06/23 | MOLEX INCORPORATED   |                                                                                                                               |                                                            |  |
|                                                                                                                                     |             |                                       | 4 PLACES                              | ± ---      | ± ---                    | CHECKED BY      | DATE               |                      |                                                                                                                               |                                                            |  |
|                                                                                                                                     |             |                                       | 3 PLACES                              | ± ---      | ± .010                   | JTR             | 1993/06/23         |                      |                                                                                                                               |                                                            |  |
|                                                                                                                                     |             |                                       | 2 PLACES                              | ± 0.25     | ± ---                    | APPROVED BY     | DATE               |                      |                                                                                                                               |                                                            |  |
| 1 PLACE                                                                                                                             | ± ---       | ± ---                                 | RAS                                   | 1993/06/23 | MATERIAL NO.             |                 | DOCUMENT NO.       | SHEET NO.            |                                                                                                                               |                                                            |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                |             |                                       | SEE SHEET 4                           |            | SDA-43249                |                 | 1 OF 6             |                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                            |  |

# UNSHIELDED MODULAR JACK

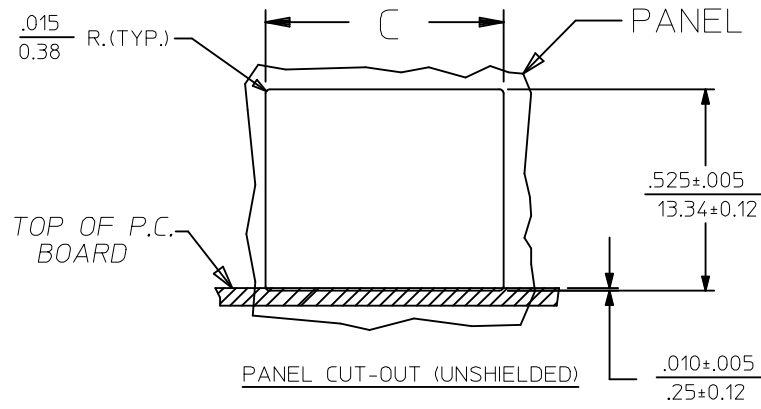
8 POSITION LOADED 10 SIZE SHOWN



OPTIONAL FLANGE  
USED FOR FLUSH  
MODULAR JACK



PEG DETAIL  
SCALE 8:1

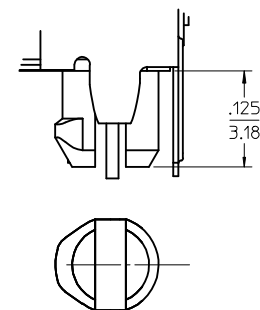
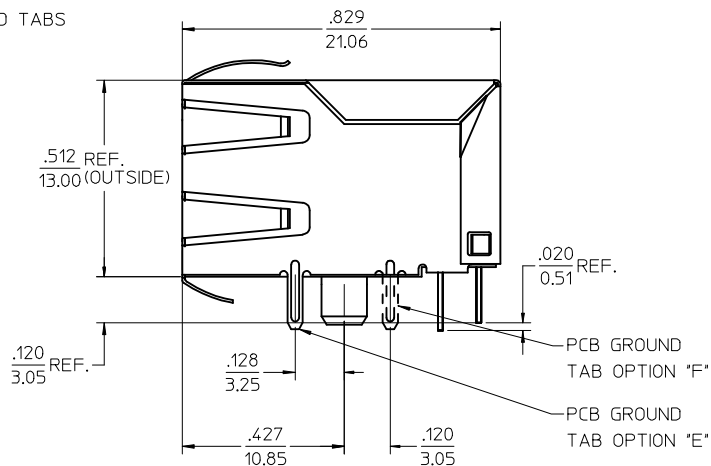
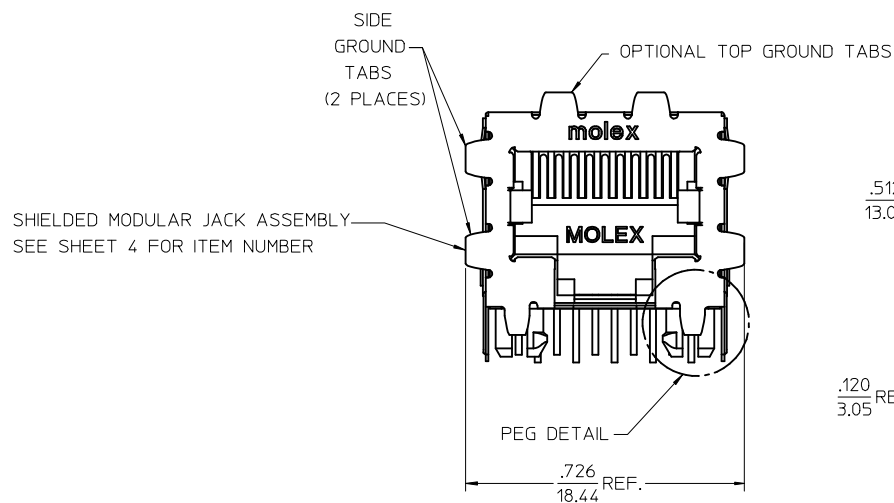


| HOUSING SIZE | CIRCUIT SIZE | DIM. A                    | DIM. B                    | DIM. C                    |
|--------------|--------------|---------------------------|---------------------------|---------------------------|
| 8            | 10           | .600±.005<br>(15.24±0.13) | .450±.005<br>(11.43±0.13) | .620±.005<br>(15.75±0.13) |
| 8            | 8            | .600±.005<br>(15.24±0.13) | .350±.005<br>(8.89±0.13)  | .620±.005<br>(15.75±0.13) |
| 8            | 4            | .600±.005<br>(15.24±0.13) | .150±.005<br>(3.81±0.13)  | .620±.005<br>(15.75±0.13) |
| 8            | 6            | .600±.005<br>(15.24±0.13) | .250±.005<br>(6.35±0.13)  | .620±.005<br>(15.75±0.13) |
| 6            | 6            | .520±.005<br>(13.21±0.13) | .250±.005<br>(6.35±0.13)  | .540±.005<br>(13.72±0.13) |
| 6            | 4            | .520±.005<br>(13.21±0.13) | .150±.005<br>(3.81±0.13)  | .540±.005<br>(13.72±0.13) |
| 6            | 2            | .520±.005<br>(13.21±0.13) | .050±.005<br>(1.27±0.13)  | .540±.005<br>(13.72±0.13) |

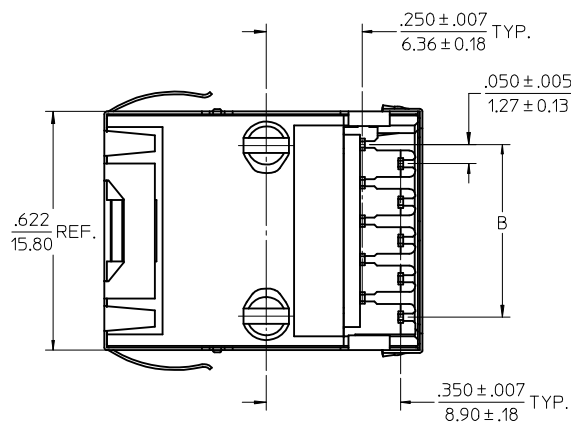
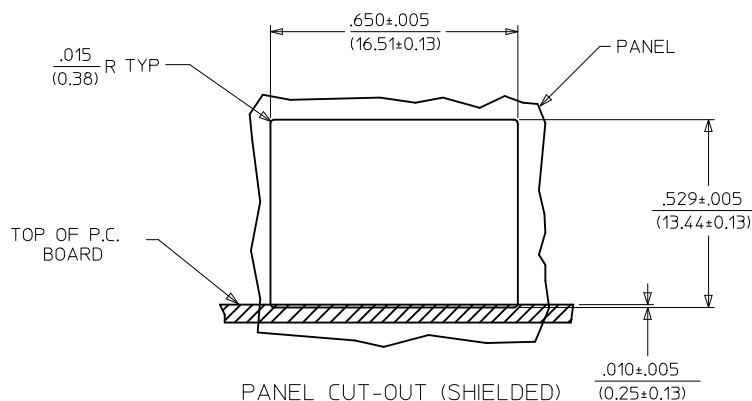
|                                                                                                                        |                               |                                                      |                       |                                                                                                                               |                    |                                                        |                      |                        |  |  |
|------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------|----------------------|------------------------|--|--|
| SEE SHEET 1<br>EC NO: UCP2009-0740<br>DRWN: JLOSTEME/ER 2008/09/29<br>CHKD: JBEL 2008/10/03<br>APPR: FSMITH 2008/10/03 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                |                       | DIMENSION STYLE<br>IN/MM                                                                                                      |                    | SCALE<br>4:1                                           | DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION |  |  |
|                                                                                                                        |                               | 4 PLACES ± --- ± ---                                 | 3 PLACES ± --- ± .010 | DRAWN BY<br>JTR                                                                                                               | DATE<br>1993/06/23 | TITLE<br>LOW PROFILE RIGHT ANGLE MODULAR JACK ASSEMBLY |                      |                        |  |  |
|                                                                                                                        |                               | 2 PLACES ± 0.25 ± ---                                | 1 PLACE ± --- ± ---   | CHECKED BY<br>JTR                                                                                                             | DATE<br>1993/06/23 |                                                        |                      |                        |  |  |
|                                                                                                                        |                               | ANGULAR ± 1/2°                                       |                       | APPROVED BY<br>RAS                                                                                                            |                    | DATE<br>1993/06/23                                     | MOLEX INCORPORATED   |                        |  |  |
|                                                                                                                        |                               | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                       | MATERIAL NO.<br>SEE SHEET 4                                                                                                   |                    | DOCUMENT NO.<br>SDA-43249                              |                      |                        |  |  |
| REV                                                                                                                    |                               | SIZE<br>C                                            |                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                        |                      |                        |  |  |

# MODULAR JACK W/ .007" THICK SHIELD AND OPTIONAL GROUND TABS

8 LOADED 10 VERSION SHOWN WITH GROUND TAB OPTIONS "D" AND "E"



PEG DETAIL  
SCALE 8:1



DESCRIPTION OF GROUND TAB OPTIONS:  
(SEE SHEET 4 FOR AVAILABLE COMBINATIONS OF OPTIONS)

| GROUND TAB OPTION | DESCRIPTION                      |
|-------------------|----------------------------------|
| A                 | NO GROUND TABS                   |
| B                 | TOP TABS ONLY                    |
| C                 | STAGGERED SIDE TABS              |
| D                 | TOP AND SIDE TABS                |
| E                 | PCB GROUND TAB IN FRONT POSITION |
| F                 | PCB GROUND TAB IN REAR POSITION  |

| HOUSING SIZE | CIRCUIT SIZE | B                           |
|--------------|--------------|-----------------------------|
| 8            | 10           | .450 ± .005<br>11.43 ± 0.13 |
| 8            | 8            | .350 ± .005<br>8.89 ± 0.13  |

SEE SHEET 1  
EC NO: UCP2009-0740  
DRWN: KLOSTERNER 2008/09/29  
CHKD: JELL 2008/10/03  
APPR: FSMITH 2008/10/03

QUALITY SYMBOLS  
▽=0  
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

|            | mm     | INCH   |
|------------|--------|--------|
| 4 PLACES ± | ± .010 | ± .004 |
| 3 PLACES ± | ± .010 | ± .004 |
| 2 PLACES ± | ± .025 | ± .010 |
| 1 PLACE ±  | ± .050 | ± .020 |

ANGULAR ± 1/2°

DRAFT WHERE APPLICABLE  
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE  
IN/MM

DRAWN BY DATE  
JTR 1993/06/23

CHECKED BY DATE  
JTR 1993/06/23

APPROVED BY DATE  
RAS 1993/06/23

MATERIAL NO.  
SEE SHEET 4

SIZE  
C

SCALE  
4:1

DESIGN UNITS  
INCH

THIRD ANGLE PROJECTION

TITLE  
LOW PROFILE RIGHT ANGLE  
MODULAR JACK ASSEMBLY

MOLEX INCORPORATED

DOCUMENT NO.  
SDA-43249

SHEET NO.  
3 OF 6

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

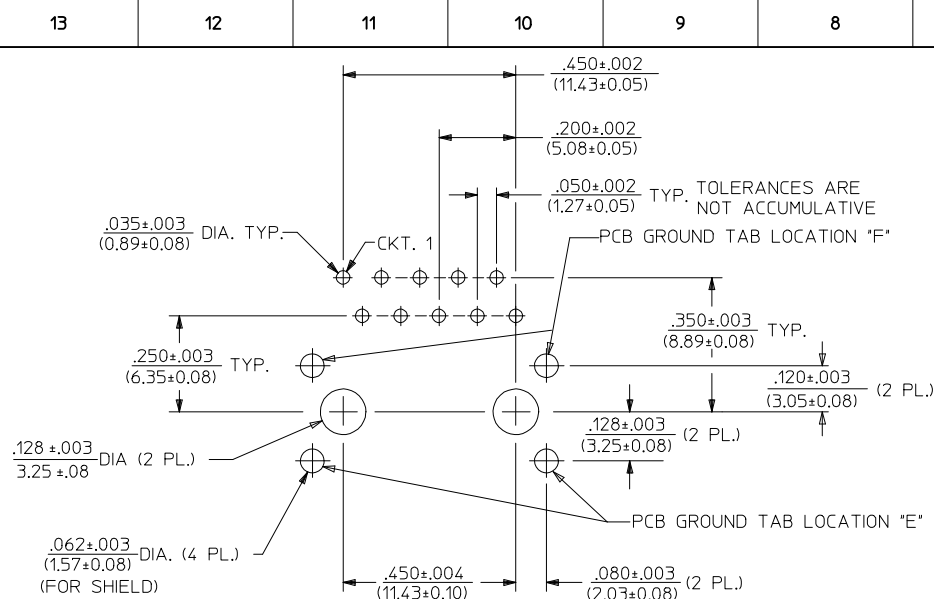
|                            |                   |                          |                               |   |                            |               |                          |                               |                                        |                          |   |                     |
|----------------------------|-------------------|--------------------------|-------------------------------|---|----------------------------|---------------|--------------------------|-------------------------------|----------------------------------------|--------------------------|---|---------------------|
| 13                         | 12                | 11                       | 10                            | 9 | 8                          | 7             | 6                        | 5                             | 4                                      | 3                        | 2 | 1                   |
| FLUSH MOUNT (UNSHIELDED)   |                   |                          |                               |   | SHIELDED, .007" THICK      |               |                          |                               |                                        |                          |   |                     |
| ASSEMBLY<br>ITEM<br>NUMBER | CONNECTOR<br>SIZE | NUMBER<br>OF<br>CIRCUITS | TERMINAL<br>PLATING<br>OPTION |   | ASSEMBLY<br>ITEM<br>NUMBER | CONN.<br>SIZE | NUMBER<br>OF<br>CIRCUITS | TERMINAL<br>PLATING<br>OPTION | SIDE/TOP<br>PANEL GROUND<br>TAB OPTION | PCB GROUND<br>TAB OPTION |   | PACKAGING<br>OPTION |
| 43249-8001                 | 8                 | 10                       | A                             |   | 43249-8900                 | 8             | 10                       | A                             | A                                      | E                        |   | TRAY                |
| 43249-8004                 | 8                 | 8                        | A                             |   | 43249-8901                 | 8             | 10                       | A                             | B                                      | E                        |   | TRAY                |
| 43249-8010                 | 8                 | 6                        | A                             |   | 43249-8902                 | 8             | 10                       | A                             | C                                      | E                        |   | TRAY                |
| 43249-6001                 | 6                 | 6                        | A                             |   | 43249-8903                 | 8             | 10                       | A                             | D                                      | E                        |   | TRAY                |
| 43249-6004                 | 6                 | 4                        | A                             |   | 43249-8908                 | 8             | 10                       | A                             | A                                      | F                        |   | TRAY                |
| 43249-6007                 | 6                 | 2                        | A                             |   | 43249-8909                 | 8             | 10                       | A                             | B                                      | F                        |   | TRAY                |

| FLANGELESS (UNSHIELDED)    |                   |                          |                               |
|----------------------------|-------------------|--------------------------|-------------------------------|
| ASSEMBLY<br>ITEM<br>NUMBER | CONNECTOR<br>SIZE | NUMBER<br>OF<br>CIRCUITS | TERMINAL<br>PLATING<br>OPTION |
| 43249-8101                 | 8                 | 10                       | A                             |
| 43249-8102                 | 8                 | 10                       | B                             |
| 43249-8104                 | 8                 | 8                        | A                             |
| 43249-8105                 | 8                 | 8                        | B                             |
| 43249-8116                 | 8                 | 6                        | A                             |
| 43249-8119                 | 8                 | 4                        | A                             |
| 43249-6101                 | 6                 | 6                        | A                             |
| 43249-6104                 | 6                 | 4                        | A                             |
| 43249-6107                 | 6                 | 2                        | A                             |

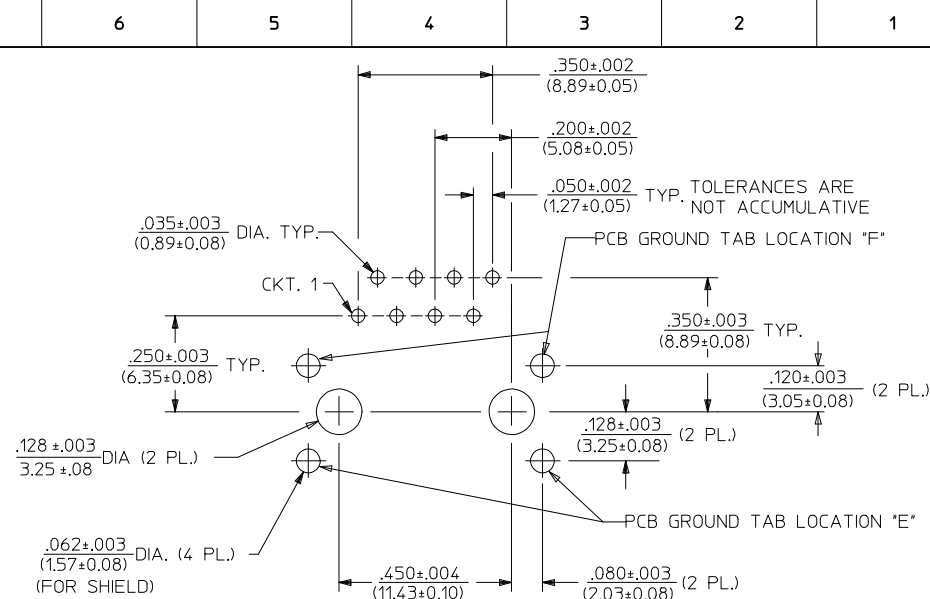
|                         |   |   |   |
|-------------------------|---|---|---|
| FLANGELESS (UNSHIELDED) |   |   |   |
| (SHIPPED IN TUBES)      |   |   |   |
| 43249-6501              | 6 | 6 | A |
| 43249-6504              | 6 | 4 | A |

| SHIELDED, .007" THICK      |               |                          |                               |                                        |                          |                     |
|----------------------------|---------------|--------------------------|-------------------------------|----------------------------------------|--------------------------|---------------------|
| ASSEMBLY<br>ITEM<br>NUMBER | CONN.<br>SIZE | NUMBER<br>OF<br>CIRCUITS | TERMINAL<br>PLATING<br>OPTION | SIDE/TOP<br>PANEL GROUND<br>TAB OPTION | PCB GROUND<br>TAB OPTION | PACKAGING<br>OPTION |
| 43249-8900                 | 8             | 10                       | A                             | A                                      | E                        | TRAY                |
| 43249-8901                 | 8             | 10                       | A                             | B                                      | E                        | TRAY                |
| 43249-8902                 | 8             | 10                       | A                             | C                                      | E                        | TRAY                |
| 43249-8903                 | 8             | 10                       | A                             | D                                      | E                        | TRAY                |
| 43249-8908                 | 8             | 10                       | A                             | A                                      | F                        | TRAY                |
| 43249-8909                 | 8             | 10                       | A                             | B                                      | F                        | TRAY                |
| 43249-8910                 | 8             | 10                       | A                             | C                                      | F                        | TRAY                |
| 43249-8911                 | 8             | 10                       | A                             | D                                      | F                        | TRAY                |
| 43249-8916                 | 8             | 8                        | A                             | A                                      | E                        | TRAY                |
| 43249-8917                 | 8             | 8                        | A                             | B                                      | E                        | TRAY                |
| 43249-8918                 | 8             | 8                        | A                             | C                                      | E                        | TRAY                |
| 43249-8919                 | 8             | 8                        | A                             | D                                      | E                        | TRAY                |
| 43249-8920                 | 8             | 8                        | B                             | A                                      | E                        | TRAY                |
| 43249-8924                 | 8             | 8                        | A                             | A                                      | F                        | TRAY                |
| 43249-8925                 | 8             | 8                        | A                             | B                                      | F                        | TRAY                |
| 43249-8926                 | 8             | 8                        | A                             | C                                      | F                        | TRAY                |
| 43249-8927                 | 8             | 8                        | A                             | D                                      | F                        | TRAY                |

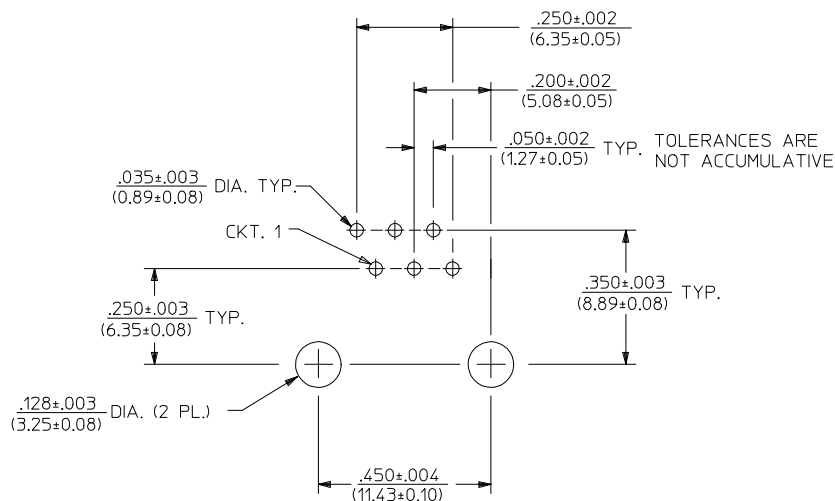
|                                                                                                                         |             |                 |                                                            |        |                          |                                                                                                                               |              |                      |                                                                                                              |                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------|-------------|-----------------|------------------------------------------------------------|--------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| SEE SHEET 1<br>EC NO: UCP2009-0740<br>DRAWN: JLOSTME ER 2008/09/29<br>CHKD: JBELL 2008/10/03<br>APPR: FSWITH 2008/10/03 | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        | DIMENSION STYLE<br>IN/MM |                                                                                                                               | SCALE<br>4:1 | DESIGN UNITS<br>INCH |  THIRD ANGLE PROJECTION | LOW PROFILE RIGHT ANGLE<br>MODULAR JACK ASSEMBLY<br><br>MOLEX<br>MOLEX INCORPORATED<br><br>MATERIAL NO. SDA-43249<br>DOCUMENT NO. 4 OF 6 |
|                                                                                                                         | ▽=0<br>▽=0  |                 | mm                                                         | INCH   | DRAWN BY JTR             | DATE 1993/06/23                                                                                                               | TITLE        |                      |                                                                                                              |                                                                                                                                          |
|                                                                                                                         |             | 4 PLACES        | ± ---                                                      | ± ---  | CHECKED BY JTR           | DATE 1993/06/23                                                                                                               |              |                      |                                                                                                              |                                                                                                                                          |
|                                                                                                                         |             | 3 PLACES        | ± ---                                                      | ± .010 | APPROVED BY RAS          | DATE 1993/06/23                                                                                                               |              |                      |                                                                                                              |                                                                                                                                          |
|                                                                                                                         |             | 2 PLACES        | ± 0.25                                                     | ± ---  |                          |                                                                                                                               |              |                      |                                                                                                              |                                                                                                                                          |
|                                                                                                                         |             | 1 PLACE         | ± ---                                                      | ± ---  |                          |                                                                                                                               |              |                      |                                                                                                              |                                                                                                                                          |
|                                                                                                                         |             |                 | ANGULAR ±1/2°                                              |        |                          |                                                                                                                               |              |                      |                                                                                                              |                                                                                                                                          |
|                                                                                                                         | REV         |                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | SEE CHART                |                                                                                                                               |              |                      |                                                                                                              |                                                                                                                                          |
|                                                                                                                         |             |                 |                                                            |        | SIZE C                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                      |                                                                                                              |                                                                                                                                          |



PC BOARD LAYOUT FOR SIZE 8, 10 CIRCUIT  
(COMPONENT SIDE OF BOARD)



PC BOARD LAYOUT FOR SIZE 8, 8 CIRCUIT  
(COMPONENT SIDE OF BOARD)

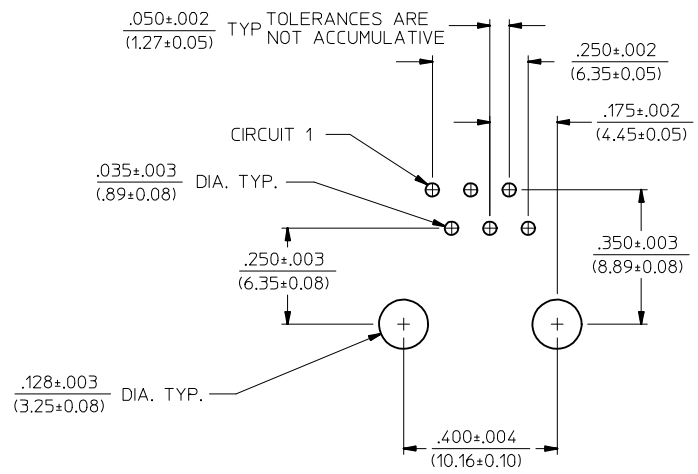


PC BOARD LAYOUT FOR SIZE 8, 6 CIRCUIT  
(COMPONENT SIDE OF BOARD)

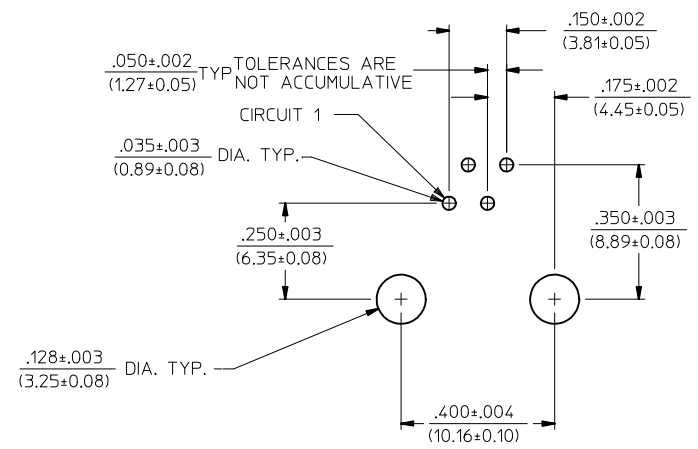
NOTES:  
1. RECOMMENDED PCB THICKNESS: .062 ± .005 (1.57 ± 0.13)

|             |                                                                                                         |                          |                                   |                                                            |  |                   |                          |                    |              |                                                                                                                                  |                           |                                                               |                          |  |
|-------------|---------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------|------------------------------------------------------------|--|-------------------|--------------------------|--------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------|--------------------------|--|
| SEE SHEET 1 | EC NO: UCP2009-0740<br>DRWN: KLOSTEMEIER 2008/09/29<br>CHKD: JBEL 2008/10/03<br>APPR: FSMITH 2008/10/03 | REV<br>DESCRIPTION<br>K1 | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  |                   | DIMENSION STYLE<br>IN/MM |                    | SCALE<br>4:1 | DESIGN UNITS<br>INCH                                                                                                             | THIRD ANGLE<br>PROJECTION | TITLE<br><br>LOW PROFILE RIGHT ANGLE<br>MODULAR JACK ASSEMBLY |                          |  |
|             |                                                                                                         |                          |                                   | mm                                                         |  | INCH              |                          | DRAWN BY<br>JTR    |              | DATE<br>1993/06/23                                                                                                               |                           |                                                               | MOLEX MOLEX INCORPORATED |  |
|             |                                                                                                         |                          |                                   | 4 PLACES ± --- ± ---                                       |  | CHECKED BY<br>JTR |                          | DATE<br>1993/06/23 |              |                                                                                                                                  |                           |                                                               |                          |  |
|             |                                                                                                         |                          |                                   | 3 PLACES ± --- ± .010                                      |  | APPROVED BY       |                          | DATE               |              |                                                                                                                                  |                           |                                                               |                          |  |
|             |                                                                                                         |                          |                                   | 2 PLACES ± 0.25 ± ---                                      |  | RAS               |                          | 1993/06/23         |              |                                                                                                                                  |                           |                                                               |                          |  |
|             |                                                                                                         |                          |                                   | 1 PLACE ± --- ± ---                                        |  | MATERIAL NO.      |                          | DOCUMENT NO.       |              |                                                                                                                                  |                           |                                                               |                          |  |
|             |                                                                                                         |                          |                                   | ANGULAR ±1/2°                                              |  |                   | SEE SHEET 4              |                    |              | SDA-43249                                                                                                                        |                           |                                                               | SHEET NO.<br>5 OF 6      |  |
|             |                                                                                                         |                          |                                   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  |                   | SIZE<br>C                |                    |              | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                           |                                                               |                          |  |

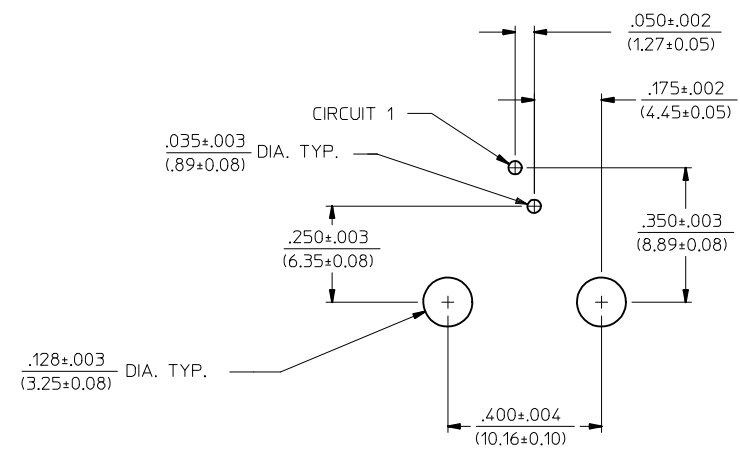
13 12 11 10 9 8 7 6 5 4 3 2 1



PC BOARD LAYOUT FOR SIZE 6, 6 CIRCUIT  
(COMPONENT SIDE OF BOARD)



PC BOARD LAYOUT FOR SIZE 6, 4 CIRCUIT  
(COMPONENT SIDE OF BOARD)



PC BOARD LAYOUT FOR SIZE 6, 2 CIRCUIT  
(COMPONENT SIDE OF BOARD)

NOTES:  
1. RECOMMENDED PCB THICKNESS: .062±.005/(1.57±0.13)

|                                                                                                                       |             |                                   |                                                            |                                                                                                          |                          |                                                                                                                               |                     |                                                               |                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| SEE SHEET 1<br>EC NO: UCP2009-0740<br>DRWN: KLOSTEWIEC 2008/09/29<br>CHKD: JELL 2008/10/03<br>APPR: FSMITH 2008/10/03 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |                                                                                                          | DIMENSION STYLE<br>IN/MM |                                                                                                                               | SCALE<br>4:1        | DESIGN UNITS<br>INCH                                          |  THIRD ANGLE PROJECTION |
|                                                                                                                       |             |                                   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | mm                                                                                                       | INCH                     | DRAWN BY                                                                                                                      | DATE                | TITLE<br><br>LOW PROFILE RIGHT ANGLE<br>MODULAR JACK ASSEMBLY |                                                                                                              |
|                                                                                                                       |             |                                   |                                                            | 4 PLACES ± ---                                                                                           | ± ---                    | JTR                                                                                                                           | 1993/06/23          |                                                               |                                                                                                              |
|                                                                                                                       |             |                                   |                                                            | 3 PLACES ± ---                                                                                           | ± .010                   | CHECKED BY                                                                                                                    | DATE                |                                                               |                                                                                                              |
|                                                                                                                       |             |                                   |                                                            | 2 PLACES ± 0.25                                                                                          | ± ---                    | JTR                                                                                                                           | 1993/06/23          |                                                               |                                                                                                              |
|                                                                                                                       |             |                                   |                                                            | 1 PLACE ± ---                                                                                            | ± ---                    | APPROVED BY                                                                                                                   | DATE                |                                                               |                                                                                                              |
| ANGULAR ±1/2°                                                                                                         |             | RAS                               | 1993/06/23                                                 |  MOLEX INCORPORATED |                          |                                                                                                                               |                     |                                                               |                                                                                                              |
|                                                                                                                       |             | MATERIAL NO.                      | SEE SHEET 4                                                |                                                                                                          | DOCUMENT NO.             | SDA-43249                                                                                                                     | SHEET NO.<br>6 OF 6 |                                                               |                                                                                                              |
| K1                                                                                                                    | REV         |                                   |                                                            |                                                                                                          | SIZE                     | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                     |                                                               |                                                                                                              |