

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0353620850

Status:

Active

Overview:

sherlock

Description:

2.00mm (.079") Pitch Sherlock™ Wire-to-Board Header, Vertical, with Positive Lock, 8 Circuits, with Kinked PC Tails, Natural

|                               |                                                          |
|-------------------------------|----------------------------------------------------------|
| Documents:                    |                                                          |
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-35507-003 (PDF)</a> |
| <a href="#">Drawing (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>     |

Agency Certification

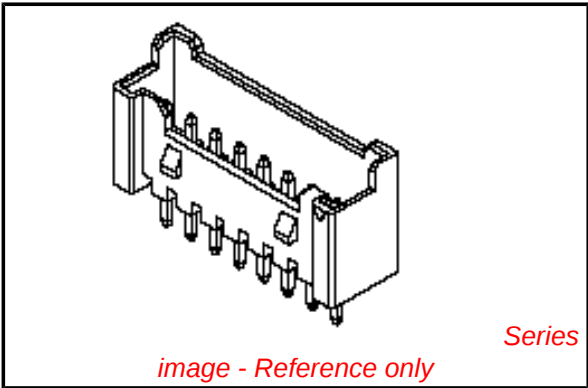
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

General

|                |               |
|----------------|---------------|
| Product Family | PCB Headers   |
| Series         | 35362         |
| Application    | Wire-to-Board |
| MolexKits      | Yes           |
| Overview       | sherlock      |
| Product Name   | Sherlock™     |

Physical

|                                |          |
|--------------------------------|----------|
| Breakaway                      | No       |
| Circuits (Loaded)              | 8        |
| Circuits (maximum)             | 8        |
| Color - Resin                  | Natural  |
| Durability (mating cycles max) | 30       |
| First Mate / Last Break        | No       |
| Flammability                   | 94V-0    |
| Glow-Wire Compliant            | No       |
| Guide to Mating Part           | No       |
| Keying to Mating Part          | None     |
| Lock to Mating Part            | Yes      |
| Mated Height (in)              | 0.335 In |
| Mated Height (mm)              | 8.50 mm  |
| Material - Plating Mating      | Tin      |
| Material - Plating Termination | Tin      |
| Material - Resin               | Nylon    |
| Number of Rows                 | 1        |
| Orientation                    | Vertical |
| PC Tail Length (in)            | 0.130 In |
| PC Tail Length (mm)            | 3.30 mm  |
| PCB Locator                    | No       |
| PCB Retention                  | Yes      |
| PCB Thickness Recommended (in) | 0.062 In |
| PCB Thickness Recommended (mm) | 1.60 mm  |
| Packaging Type                 | Bag      |
| Pitch - Mating Interface (in)  | 0.079 In |
| Pitch - Mating Interface (mm)  | 2.00 mm  |
| Pitch - Term. Interface (in)   | 0.079 In |
| Pitch - Term. Interface (mm)   | 2.00 mm  |
| Polarized to Mating Part       | Yes      |
| Polarized to PCB               | No       |
| Shrouded                       | Partial  |
| Stackable                      | No       |



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Halogen-Free Status

Halogen-Free

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

35362Series

Mates With

35507 Sherlock™ Wire-to-Board Housing

Use With

502128000 Terminal

|                                |                 |
|--------------------------------|-----------------|
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | -40°C to +105°C |
| Termination Interface: Style   | Through Hole    |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 2A   |
| Voltage - Maximum             | 125V |

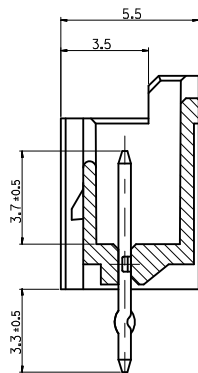
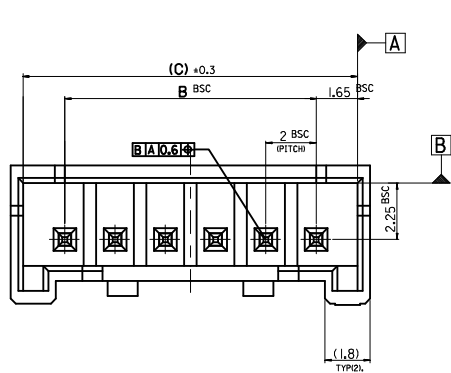
**Material Info**

**Reference - Drawing Numbers**

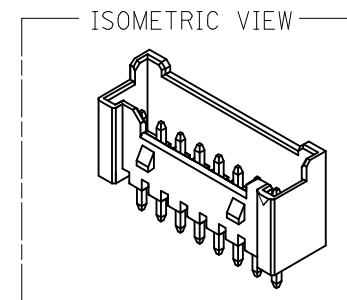
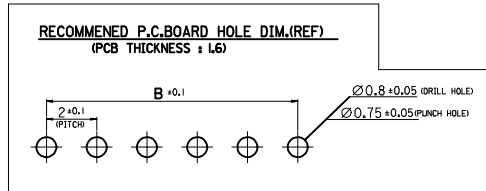
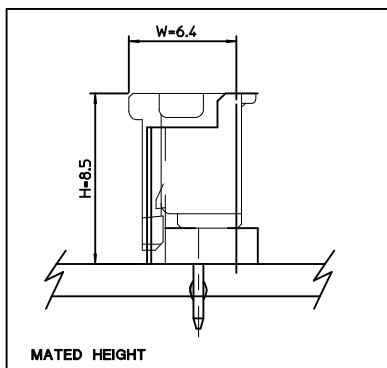
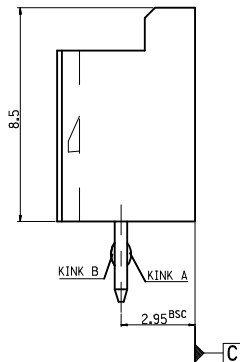
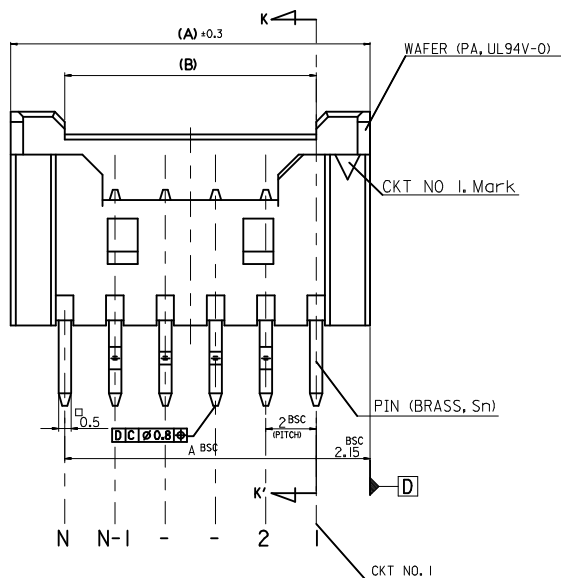
|                         |                                                              |
|-------------------------|--------------------------------------------------------------|
| Packaging Specification | PK-35362-002                                                 |
| Product Specification   | PS-35507-003, RPS-35507-005, RPS-35507-007,<br>RPS-35507-009 |
| Sales Drawing           | SD-35362-002, SD-35362-003                                   |

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SECTION K-K'



**LEGEND**

SD-35362-\*\*\*\*

CKT NO. \_\_\_\_\_ COLOR \_\_\_\_\_

FINAL GOOD (BULK) 5 : SELECTIVE KINK (LEAD FREE)  
6 : NONE KINK (LEAD FREE)

SUB ASSY (TUBE) 7 : SELECTIVE KINK (LEAD FREE)  
8 : NONE KINK (LEAD FREE)

0 : NATURAL  
1 : BLACK  
2 : RED  
3 : YELLOW  
4 : BLUE  
5 : GREEN  
6 : TUBE PACKING (Natural Color)  
7 : TUBE PACKING (Red Color)  
8 : TUBE PACKING (Blue Color)

NOTES

- MATERIAL : UNFILLED POLYAMIDE, UL94V-0  
PIN : BRASS . TIN PLATED
- FINISHES : TERMINAL : Sn 2.3um OVERALL
- PRODUCT SPECIFICATION : PS-35507-003
- MATING HOUSING : 35507-\*\*\*0  
MATING TERMINAL : 50212-8000
- KINK

| CKT        | CKT NO | 1 | 2 | 3 | 4 | 5 | N-2 | N-1 | N |
|------------|--------|---|---|---|---|---|-----|-----|---|
| 6 CKT OVER |        | - | A | B | - | - | B   | A   | - |
| 5 CKT      |        | A | B | - | B | A |     |     |   |
| 4 CKT      |        | A | B | B | A |   |     |     |   |

|      |    |      |           |            |     |
|------|----|------|-----------|------------|-----|
| 31.3 | 28 | 32.3 | 3536215** | 35362-15** | 15  |
| 29.3 | 26 | 30.3 | 3536214** | 35362-14** | 14  |
| 27.3 | 24 | 28.3 | 3536213** | 35362-13** | 13  |
| 25.3 | 22 | 26.3 | 3536212** | 35362-12** | 12  |
| 23.3 | 20 | 24.3 | 3536211** | 35362-11** | 11  |
| 21.3 | 18 | 22.3 | 3536210** | 35362-10** | 10  |
| 19.3 | 16 | 20.3 | 3536209** | 35362-09** | 9   |
| 17.3 | 14 | 18.3 | 3536208** | 35362-08** | 8   |
| 15.3 | 12 | 16.3 | 3536207** | 35362-07** | 7   |
| 13.3 | 10 | 14.3 | 3536206** | 35362-06** | 6   |
| 11.3 | 8  | 12.3 | 3536205** | 35362-05** | 5   |
| 9.3  | 6  | 10.3 | 3536204** | 35362-04** | 4   |
| (C)  | B  | (A)  | ENG. NO.  | ENG. NO.   | CKT |

| LEAD FREE         |       |
|-------------------|-------|
| 30 over           | ±0.3  |
| 10 over 30 under  | ±0.25 |
| 10 under          | ±0.2  |
| ANGLE             | ±3°   |
| GENERAL TOLERANCE |       |

REVISED  
EC NO: KOR2009-0123  
DRWN:HJEONG  
CHKD:YSOOKIM  
APPR:YUNS IKKIM

QUALITY SYMBOLS  
▽=0  
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

|          | mm   | INCH |
|----------|------|------|
| 4 PLACES | ±--- | ±--- |
| 3 PLACES | ±--- | ±--- |
| 2 PLACES | ±--- | ±--- |
| 1 PLACE  | ±--- | ±--- |
| ANGULAR  | ±--- | °    |

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION STYLE  
MM ONLY

DRAWN BY  
YSOOKIM  
1996/09/11

CHECKED BY  
YSOOKIM  
1996/09/11

APPROVED BY  
CWLEE  
1996/09/11

MATERIAL NO.  
SEE TABLEE

SIZE  
A3

SCALE  
5:1

DESIGN UNITS  
METRIC

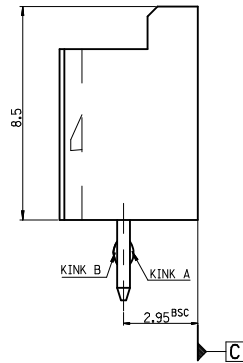
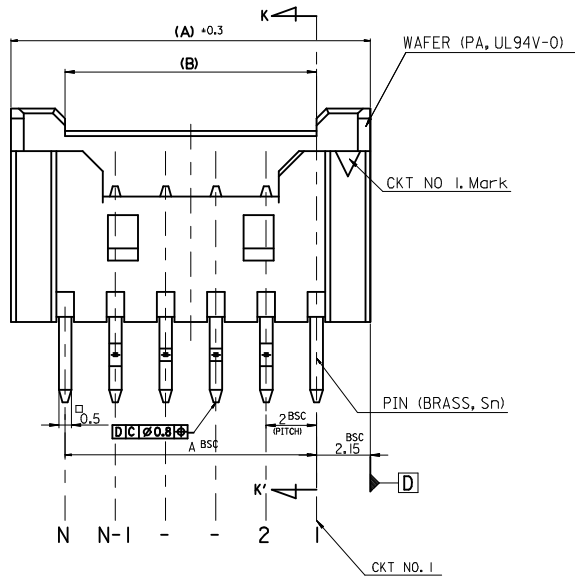
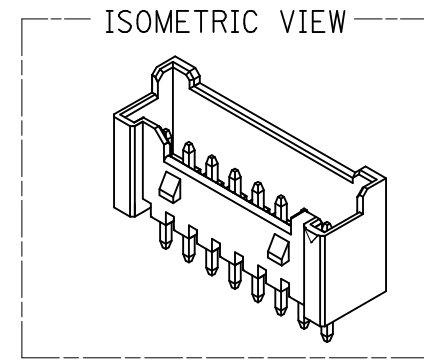
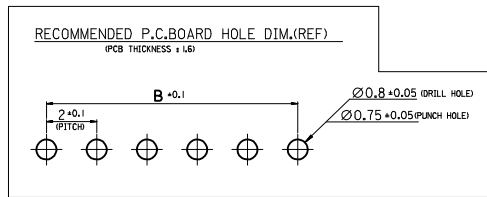
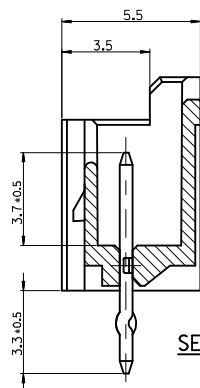
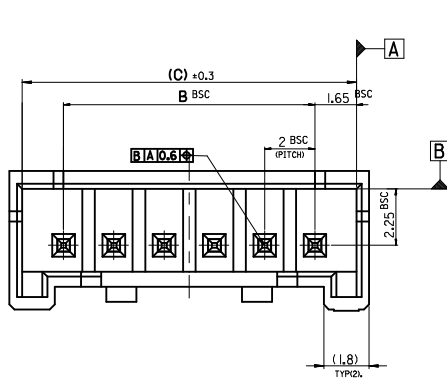
THIRD ANGLE PROJECTION

2.0 W/B WAFER ASS'Y  
-LEAD FREE-

MOLEX INCORPORATED

DOCUMENT NO.  
SD-35362-002

SHEET NO.  
1 OF 3



**LEGEND**

SD-35362-\*\*\*\*  
CKT NO. COLOR

- 0 : NATURAL
- 1 : BLACK
- 2 : RED
- 3 : YELLOW
- 4 : BLUE
- 5 : GREEN
- 6 : TUBE PACKING (Natural Color)
- 7 : TUBE PACKING (Red Color)
- 8 : TUBE PACKING (Blue Color)

FINAL GOOD (BULK) 5 : SELECTIVE KINK (LEAD FREE)  
6 : NONE KINK (LEAD FREE)

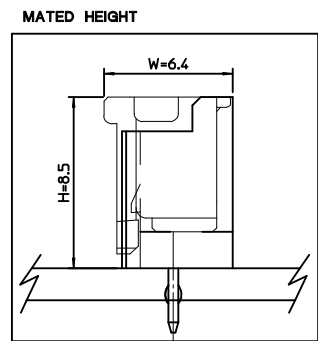
SUB ASSY (TUBE) 7 : SELECTIVE KINK (LEAD FREE)  
8 : NONE KINK (LEAD FREE)

NOTES

- MATERIAL : WAFER : UNFILLED POLYAMIDE, UL94V-0  
PIN : BRASS
- FINISHES : TERMINAL : Sn 2.3um OVERALL
- PRODUCT SPECIFICATION : PS-35507-003
- MATING HOUSING : 35507-\*\*\*0\*  
MATING TERMINAL : 50212-8000
- KINK

| CKT   | CKT NO | 1 | 2 | 3 | - | - | N-2 | N-1 | N |
|-------|--------|---|---|---|---|---|-----|-----|---|
| I6±20 | CKT    | - | A | B | - | - | B   | A   | - |

|      |    |      |              |            |     |
|------|----|------|--------------|------------|-----|
| 41.3 | 38 | 42.3 | 3536220**    | 35362-20** | 20  |
| 39.3 | 36 | 40.3 | 3536219**    | 35362-19** | 19  |
| 37.3 | 34 | 38.3 | 3536218**    | 35362-18** | 18  |
| 35.3 | 32 | 36.3 | 3536217**    | 35362-17** | 17  |
| 33.3 | 30 | 34.3 | 3536216**    | 35362-16** | 16  |
| (C)  | B  | (A)  | MATERIAL NO. | ENG. NO.   | CKT |



| LEAD FREE         |       |
|-------------------|-------|
| 30 over           | ±0.3  |
| 10 over 30 under  | ±0.25 |
| 10 under          | ±0.2  |
| ANGLE             | ±3°   |
| GENERAL TOLERANCE |       |

REVISED  
EC NO: KOR2009-0123  
DRWN:HJEONG 2009/03/09  
CHKD:YSOOKIM 2009/03/10  
APPR:YUNS IKKIM 2009/03/11

QUALITY SYMBOLS  
▽=0  
△=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

|          | mm    | INCH |
|----------|-------|------|
| 4 PLACES | ±---  | ±--- |
| 3 PLACES | ±---  | ±--- |
| 2 PLACES | ±---  | ±--- |
| 1 PLACE  | ±---  | ±--- |
| ANGULAR  | ±---° |      |

DRAFT WHERE APPLICABLE  
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE  
MM ONLY

DRAWN BY YSOOKIM DATE 1996/09/11  
CHECKED BY JKOH DATE 1996/09/11  
APPROVED BY CWLEE DATE 1996/09/11

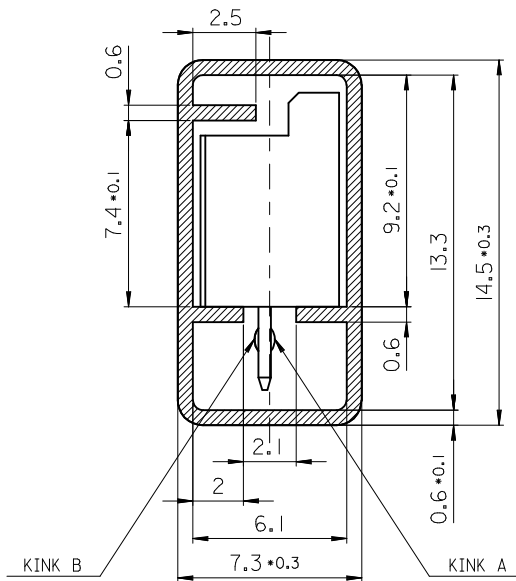
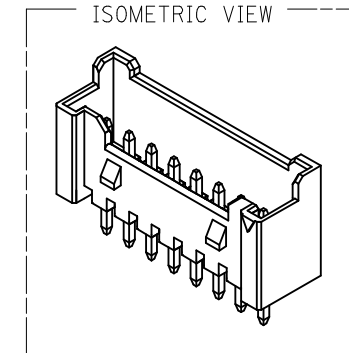
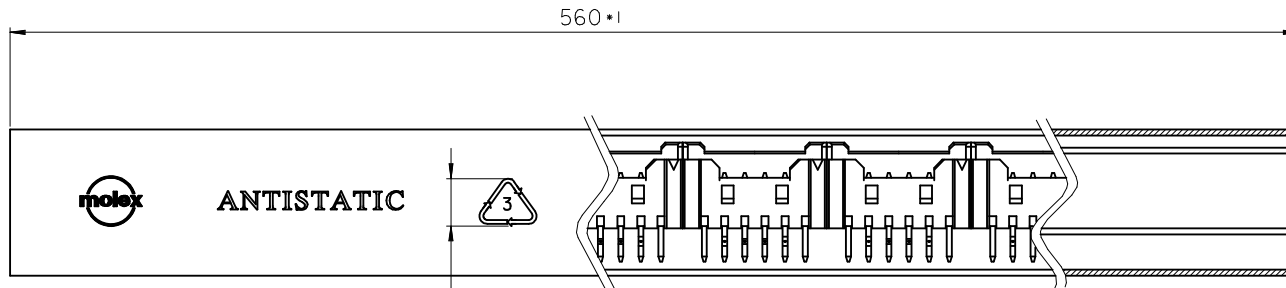
MATERIAL NO. SEE TABLE

SCALE 5:1  
DESIGN UNITS METRIC  
THIRD ANGLE PROJECTION

2.0 W/B WAFER ASS'Y  
-LEAD FREE-

MOLEX MOLEX INCORPORATED  
DOCUMENT NO. SD-35362-002  
SHEET NO. 3 OF 3

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



KINK TABLE(FOR 35362-\*\*\*\*)

| CKT NO     | 1 | 2 | 3 | 4 | 5 | N-2 | N-1 | N |
|------------|---|---|---|---|---|-----|-----|---|
| 6 CKT OVER | - | A | B | - | - | B   | A   | - |
| 5 CKT      | A | B | - | B | A |     |     |   |
| 4 CKT      | A | B | B | A |   |     |     |   |
| 3 CKT      | A | B | A |   |   |     |     |   |
| 2 CKT      | - |   |   |   |   |     |     |   |

\*\* 35362-0287 IS ONLY KINKED 2P

| CKT NO      | 1 | 2 |
|-------------|---|---|
| PRODUCT NO. | A | B |
| 35362-0287  | A | B |

**LEGEND.**

2-20 Circuits **CKT NO.**

Final GOOD (Bulk) 5 : SELECTIVE KINK  
6 : NONE KINK

Sub Assy (Tube) 7 : SELECTIVE KINK  
8 : NONE KINK

**COLOR & PACKING**

0 : NATURAL  
1 : BLACK  
2 : RED  
3 : YELLOW  
4 : BLUE  
5 : GREEN  
6 : TUBE PACKING (Natural Color)  
7 : TUBE PACKING (RED Color)  
8 : TUBE PACKING (BLUE Color)

**KINK**

**B**

NOTES

1. MATERIAL : TUBE - TRANSLUCENT P.V.C (P-1000)  
Wafer - POLYAMIDE, UL94V-0  
PIN - BRASS SQ 0.5mm
2. BOW(CAMBER): 1.0mm MAX/Total Length
3. DIMENSIONS GIVEN ACROSS CENTER LINES ARE SYMMETRICAL ABOUT THOSE CENTER LINES WITH HALF THE TOTAL LENGTH.
4. TOTAL TUBE LENGTH : 560mm ± 1mm
5. TWIST : 5° MAX./Total Length
6. BURRS : 0.2mm MAX.
7. SKEW : PRODUCTS MUST BE FLOWED SMOOTHLY WHEN THIS STICK IS PLACES 30° ANGLE.
8. THICKNESS : 0.6mm ± 0.1mm
9. ARTWORK : PER E-35900-0434 (SILK SCREEN COLOR : RED)
10. APPLICABLE STOPPER(RUBBER) : 35900-0435

TABLE

|      |              |            |     |
|------|--------------|------------|-----|
| 10   | 20**         | -20**      | 20  |
| 10   | 19**         | -19**      | 19  |
| 10   | 18**         | -18**      | 18  |
| 10   | 17**         | -17**      | 17  |
| 15   | 16**         | -16**      | 16  |
| 15   | 15**         | -15**      | 15  |
| 15   | 14**         | -14**      | 14  |
| 15   | 13**         | -13**      | 13  |
| 15   | 12**         | -12**      | 12  |
| 20   | 11**         | -11**      | 11  |
| 20   | 10**         | -10**      | 10  |
| 25   | 09**         | -09**      | 9   |
| 25   | 08**         | -08**      | 8   |
| 30   | 07**         | -07**      | 7   |
| 35   | 06**         | -06**      | 6   |
| 40   | 05**         | -05**      | 5   |
| 50   | 04**         | -04**      | 4   |
| 60   | 03**         | -03**      | 3   |
| 70   | 3536202**    | 35362-02** | 2   |
| QT'y | Material NO. | ENG. NO.   | CKT |

|                                                                                                                                  |                               |                                                                                                                                                                  |                                                                                                                                                         |              |                        |                        |                                                             |  |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------|------------------------|-------------------------------------------------------------|--|
| REVISED<br>EC NO: KOR2009-0123<br>DRWN: HJEONG<br>CHKD: YSOOK IM<br>APPR: YUNS IKK IM                                            | QUALITY SYMBOLS<br>▽=0<br>◻=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± --- ± ---<br>1 PLACE ± 0.2 ± ---<br>ANGULAR ± 1 ° | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY YSOOK IM DATE 2000/12/11<br>CHECKED BY JKOH DATE 2000/12/11<br>APPROVED BY CWLEE DATE 2000/12/11<br>MATERIAL NO. | SCALE<br>5:1 | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION | TITLE<br>2.0 W/B WAFER ASS'Y<br>TUBE PACKING<br>-LEAD FREE- |  |
|                                                                                                                                  |                               |                                                                                                                                                                  |                                                                                                                                                         |              |                        |                        | MOLEX INCORPORATED                                          |  |
|                                                                                                                                  |                               |                                                                                                                                                                  |                                                                                                                                                         |              |                        |                        | DOCUMENT NO. SD-35362-003                                   |  |
|                                                                                                                                  |                               |                                                                                                                                                                  |                                                                                                                                                         |              |                        |                        | SHEET NO. 1 OF 1                                            |  |
| 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 |                               |                                                                                                                                                                  |                                                                                                                                                         |              |                        |                        |                                                             |  |

LEAD FREE