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**Part Number:** [0015800369](#)  
**Status:** **Active**  
**Overview:** [cgrid\\_sl\\_products](#)  
**Description:** 2.54mm (.100") Pitch C-Grid® Header, Through Hole without Peg, Dual Row, Vertical, Shrouded, High Temperature, 36 Circuits, 0.38µm (15µ") Gold, (Au) Selective Plating, Tin (Sn) PC Tail Plating, 3.81mm (.150") Inside Shroud to End Circuit Spacing

**Documents:**  
[3D Model](#) [Product Specification PS-70567 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Packaging Specification \(PDF\)](#)

**Agency Certification**

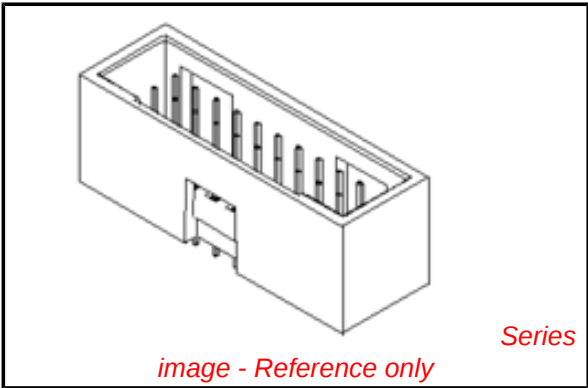
UL E29179

**General**

Product Family PCB Headers  
Series [70567](#)  
Application Wire-to-Board  
Overview [cgrid\\_sl\\_products](#)  
Product Name C-Grid®

**Physical**

Breakaway No  
Circuits (Loaded) 36  
Circuits (maximum) 36  
Circuits Detail 36  
Color - Resin Black  
Durability (mating cycles max) 25  
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  
Material - Metal Brass, Phosphor Bronze  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Number of Rows 2  
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) 0.093 In  
PCB Thickness Recommended (mm) 2.36 mm  
Packaging Type Tube  
Pitch - Mating Interface (in) 0.100 In  
Pitch - Mating Interface (mm) 2.54 mm  
Pitch - Term. Interface (in) 0.100 In  
Pitch - Term. Interface (mm) 2.54 mm  
Plating min: Mating (µin) 15  
Plating min: Mating (µm) 0.375  
Plating min: Termination (µin) 75  
Plating min: Termination (µm) 1.875



**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**  
[70567Series](#)

**Mates With**  
[70013](#) Interim Clip

|                                |                 |
|--------------------------------|-----------------|
| Polarized to Mating Part       | No              |
| Polarized to PCB               | No              |
| Shrouded                       | Open Ends       |
| Stackable                      | No              |
| Surface Mount Compatible (SMC) | Yes             |
| Temperature Range - Operating  | -55°C to +105°C |
| Termination Interface: Style   | Through Hole    |

**Electrical**

|                               |         |
|-------------------------------|---------|
| Current - Maximum per Contact | 2.5A    |
| Voltage - Maximum             | 250V DC |

**Solder Process Data**

|                                                |                              |
|------------------------------------------------|------------------------------|
| Duration at Max. Process Temperature (seconds) | 5                            |
| Lead-free Process Capability                   | SMC & Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                            |
| Process Temperature max. C                     | 245                          |

**Material Info**

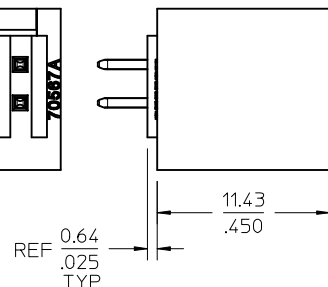
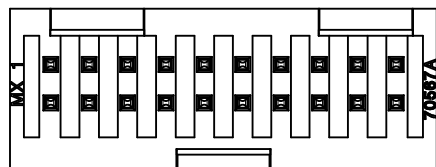
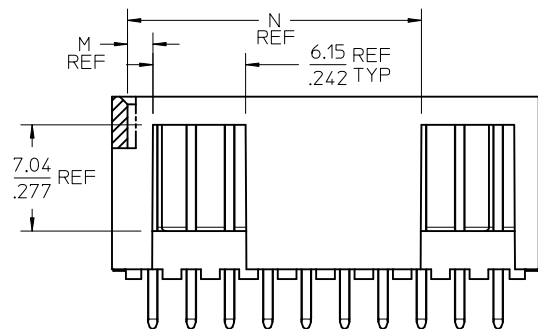
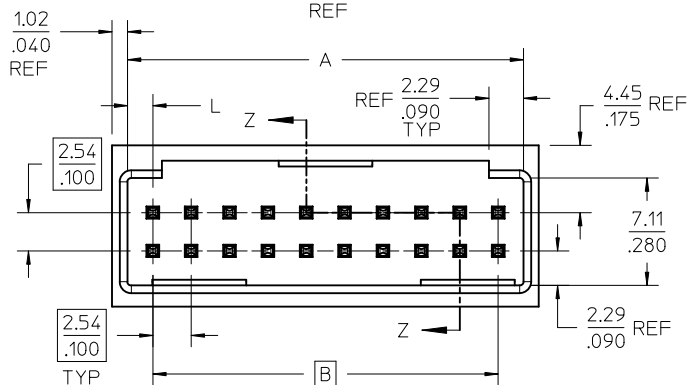
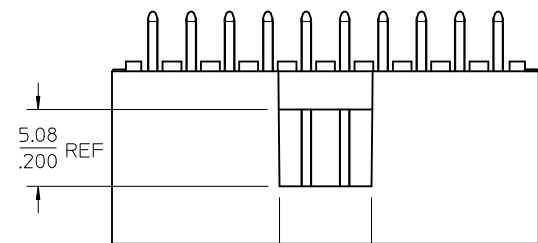
|                 |              |
|-----------------|--------------|
| Old Part Number | A-70567-0288 |
|-----------------|--------------|

**Reference - Drawing Numbers**

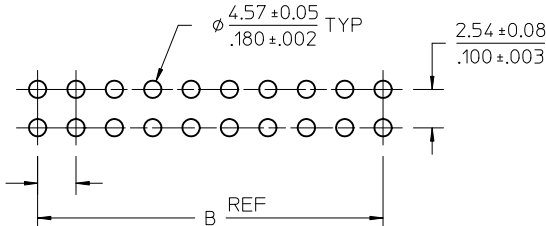
|                         |                |
|-------------------------|----------------|
| Packaging Specification | PK-70873-0018  |
| Product Specification   | PS-70567       |
| Sales Drawing           | SDA-70567-**** |

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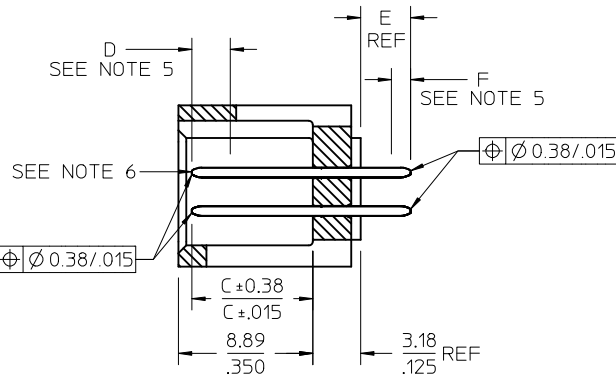
# OPTION A



2.54 ±0.08  
.100 ±.003



PCB LAYOUT: COMPONENT SIDE  
TYPICAL PCB THICKNESS: 2.36/.093



## NOTES:

- MATERIAL: SHROUDED WAFER: GLASS FILLED, LIQUID CRYSTAL POLYMER, COLOR: BLACK, 94V-0.
- PLATING:
  - TIN 0.000381/.000150 MINIMUM TIN, OVER NICKEL UNDERPLATE OVERALL
  - 15 GOLD 0.000381/.000015 MINIMUM GOLD PLATE IN SELECTED AREA
  - 0.00191/.000075 MINIMUM TIN IN SELECTED AREA
  - OVER NICKEL UNDERPLATE OVERALL
  - 30 GOLD 0.00076/.000030 MINIMUM GOLD PLATE IN SELECTED AREA
  - 0.00191/.000075 MINIMUM TIN IN SELECTED AREA,
  - OVER NICKEL UNDERPLATE OVERALL
- PRODUCT SPECIFICATION: PS-70567.
- PACKAGING: SEE CHARTS
- MEASURE POINT FOR PLATING THICKNESS.
- PIN PUSHOUT FORCE: 4 LBS. MINIMUM IN DIRECTION INDICATED.
- FOR ILLUSTRATION PURPOSES, 20 (DUAL 10) CIRCUIT SIZE HEADER SHOWN.
- PIN SOLDERABILITY PER MOLEX SPEC. SMES-152.
- WINDOW NOT AVAILABLE ON 6 OR 8 CIRCUIT SIZE.
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

| REV | DESCRIPTION         | DATE       |
|-----|---------------------|------------|
| 1   | MODIFY HOUSING WALL | 2010/01/12 |
| 2   | EC NO: UCP2010-1587 | 2010/01/12 |
| 3   | DRWN:MS BARRA       | 2010/01/12 |
| 4   | CHKD:HBARKER        | 2010/01/12 |
| 5   | APPR:SMILLER        | 2010/03/31 |

| QUALITY SYMBOLS |
|-----------------|
| ▽=0             |
| ▽=0             |
| ▽=0             |

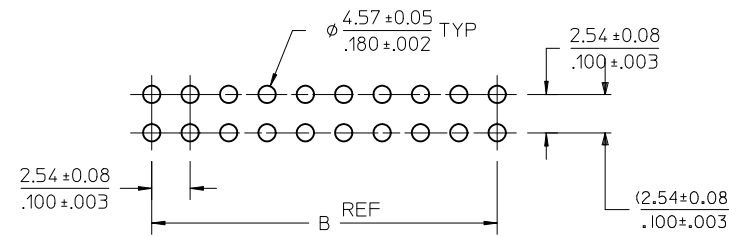
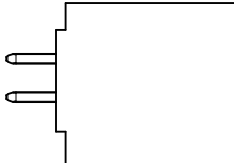
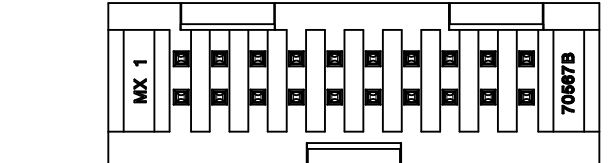
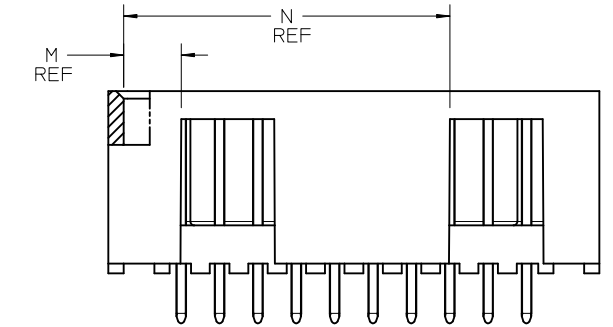
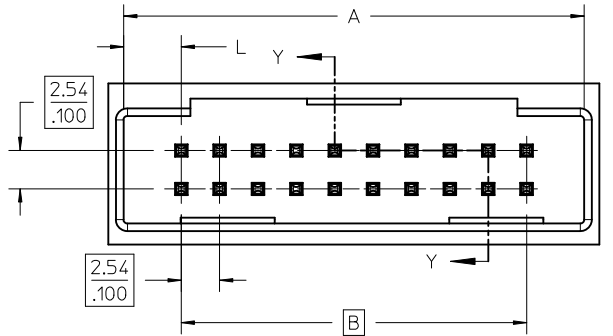
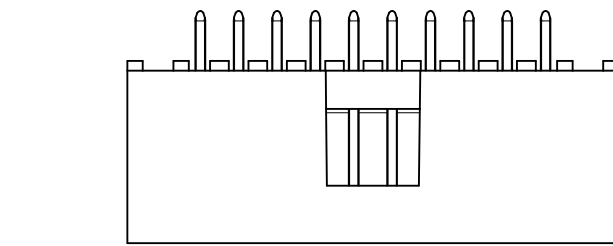
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |
|------------------------------------------------------|
| 4 PLACES ±---                                        |
| 3 PLACES ±---                                        |
| 2 PLACES ±0.13                                       |
| 1 PLACE ±0.25                                        |
| ANGULAR ±1/2°                                        |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |

| DIMENSION STYLE    |
|--------------------|
| MM/IN              |
| DRAWN BY DATE      |
| EIK 1988/03/10     |
| CHECKED BY DATE    |
| EIK 1988/03/10     |
| APPROVED BY DATE   |
| SMILLER 2010/03/31 |
| MATERIAL NO.       |
| SEE TABLE          |
| SIZE               |
| C                  |

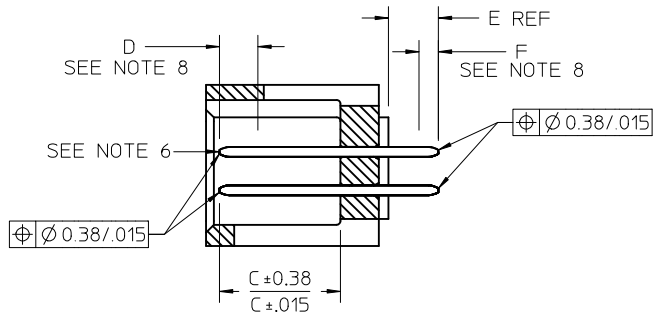
| SCALE                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------|
| 4:1                                                                                                                           |
| DESIGN UNITS                                                                                                                  |
| INCH                                                                                                                          |
| THIRD ANGLE PROJECTION                                                                                                        |
| 4 SIDES SHROUDED HEADER                                                                                                       |
| HIGH TEMP, (2.54)/.100                                                                                                        |
| GRID W/ (.064)/.025 PINS                                                                                                      |
| MOLEX INCORPORATED                                                                                                            |
| DOCUMENT NO.                                                                                                                  |
| SDA-70567-****                                                                                                                |
| SHEET NO.                                                                                                                     |
| 1 OF 5                                                                                                                        |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |

| CKT | DIM A | DIM B | DIM L | DIM M | DIM N |
|-----|-------|-------|-------|-------|-------|
| 06  | 8.43  | 5.08  | 1.68  | 1.68  |       |
|     | .332  | .200  | .066  | .066  |       |
| 08  | 10.97 | 7.62  | 1.68  | 1.68  |       |
|     | .432  | .300  | .066  | .066  |       |
| 10  | 13.51 | 10.16 | 1.68  | 4.22  |       |
|     | .532  | .400  | .066  | .166  |       |
| 12  | 16.05 | 12.70 | 1.68  | 4.22  |       |
|     | .632  | .500  | .066  | .166  |       |
| 14  | 18.59 | 15.24 | 1.68  | 6.76  |       |
|     | .732  | .600  | .066  | .266  |       |
| 16  | 21.13 | 17.78 | 1.68  | 6.76  |       |
|     | .832  | .700  | .066  | .266  |       |
| 18  | 23.67 | 20.32 | 1.68  | 9.30  |       |
|     | .932  | .800  | .066  | .366  |       |
| 20  | 26.21 | 22.86 | 1.68  | 1.68  | 19.46 |
|     | 1.032 | .900  | .066  | .066  | .766  |
| 22  | 28.75 | 25.40 | 1.68  | 1.68  | 22.00 |
|     | 1.132 | 1.000 | .066  | .066  | .866  |
| 24  | 31.29 | 27.94 | 1.68  | 1.68  | 24.54 |
|     | 1.232 | 1.100 | .066  | .066  | .966  |
| 26  | 33.83 | 30.48 | 1.68  | 1.68  | 27.08 |
|     | 1.332 | 1.200 | .066  | .066  | 1.066 |
| 28  | 36.37 | 33.02 | 1.68  | 1.68  | 29.62 |
|     | 1.432 | 1.300 | .066  | .066  | 1.166 |
| 30  | 38.91 | 35.56 | 1.68  | 1.68  | 32.16 |
|     | 1.532 | 1.400 | .066  | .066  | 1.266 |
| 32  | 41.45 | 38.10 | 1.68  | 1.68  | 34.70 |
|     | 1.632 | 1.500 | .066  | .066  | 1.366 |
| 34  | 43.99 | 40.64 | 1.68  | 1.68  | 37.24 |
|     | 1.732 | 1.600 | .066  | .066  | 1.466 |
| 36  | 46.53 | 43.18 | 1.68  | 1.68  | 39.78 |
|     | 1.832 | 1.700 | .066  | .066  | 1.566 |
| 38  | 49.07 | 45.72 | 1.68  | 1.68  | 42.32 |
|     | 1.932 | 1.800 | .066  | .066  | 1.666 |
| 40  | 51.61 | 48.26 | 1.68  | 1.68  | 44.86 |
|     | 2.032 | 1.900 | .066  | .066  | 1.766 |
| 42  | 54.15 | 50.80 | 1.68  | 1.68  | 47.40 |
|     | 2.132 | 2.000 | .066  | .066  | 1.866 |
| 44  | 56.69 | 53.34 | 1.68  | 1.68  | 49.94 |
|     | 2.232 | 2.100 | .066  | .066  | 1.966 |
| 46  | 59.23 | 55.88 | 1.68  | 1.68  | 52.48 |
|     | 2.332 | 2.200 | .066  | .066  | 2.066 |
| 48  | 61.77 | 58.42 | 1.68  | 1.68  | 55.02 |
|     | 2.432 | 2.300 | .066  | .066  | 2.166 |
| 50  | 64.31 | 60.96 | 1.68  | 1.68  | 57.56 |
|     | 2.532 | 2.400 | .066  | .066  | 2.266 |
| 52  | 66.85 | 63.50 | 1.68  | 1.68  | 60.10 |
|     | 2.632 | 2.500 | .066  | .066  | 2.366 |
| 54  | 69.39 | 66.04 | 1.68  | 1.68  | 62.64 |
|     | 2.732 | 2.600 | .066  | .066  | 2.466 |
| 56  | 71.93 | 68.58 | 1.68  | 1.68  | 65.18 |
|     | 2.832 | 2.700 | .066  | .066  | 2.566 |
| 58  | 74.47 | 71.12 | 1.68  | 1.68  | 67.72 |
|     | 2.932 | 2.800 | .066  | .066  | 2.666 |
| 60  | 77.01 | 73.66 | 1.68  | 1.68  | 70.26 |
|     | 3.032 | 2.900 | .066  | .066  | 2.766 |
| 62  | 79.55 | 76.20 | 1.68  | 1.68  | 72.80 |
|     | 3.132 | 3.000 | .066  | .066  | 2.866 |
| 64  | 82.09 | 78.74 | 1.68  | 1.68  | 75.34 |
|     | 3.232 | 3.100 | .066  | .066  | 2.966 |
| 66  | 84.63 | 81.28 | 1.68  | 1.68  | 77.88 |
|     | 3.332 | 3.200 | .066  | .066  | 3.066 |
| 68  | 87.17 | 83.82 | 1.68  | 1.68  | 80.42 |
|     | 3.432 | 3.300 | .066  | .066  | 3.166 |
| 70  | 89.71 | 86.36 | 1.68  | 1.68  | 82.96 |
|     | 3.532 | 3.400 | .066  | .066  | 3.266 |
| 72  | 92.25 | 88.90 | 1.68  | 1.68  | 85.50 |
|     | 3.632 | 3.500 | .066  | .066  | 3.366 |

# OPTION B



PCB LAYOUT: COMPONENT SIDE  
TYPICAL PCB THICKNESS: 2.36/.093



SECTION Y-Y

- NOTES:
1. MATERIAL: SHROUDED WAFER: 30% G.F. LCP, COLOR: BLACK, 94V-0. PINS: COPPER ALLOY.
  2. PLATING:  
TIN - (0.00381)/.000150 MINIMUM TIN OVER NICKEL UNDERPLATE OVERALL  
15 GOLD - (0.000381)/.000015 MINIMUM GOLD PLATE IN SELECTED AREA  
(0.00191)/.000075 MINIMUM TIN IN SELECTED AREA,  
OVER NICKEL UNDERPLATE OVERALL  
30 GOLD - (0.000761)/.000030 MINIMUM GOLD PLATE IN SELECTED AREA  
(0.00191)/.000075 MINIMUM TIN IN SELECTED AREA,  
OVER NICKEL UNDERPLATE OVERALL
  3. PRODUCT SPECIFICATION: PS-70567.
  4. PACKAGING: SEE CHARTS
  5. PIN PUSHOUT FORCE: 4 LBS. MIN IN DIRECTION INDICATED.
  6. FOR ILLUSTRATION PURPOSES, 20 (DUAL 10) CIRCUIT SIZE HEADER SHOWN.
  7. PIN SOLDERABILITY PER MOLEX SPEC. SMES-152.
  8. MEASURE POINT FOR PLATING THICKNESS.
  9. WINDOW IS NOT AVAILABLE ON 6 CIRCUIT.
  10. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
  11. SEE SHEET 1 FOR ALL OTHER DIMENSIONS

| CKT | DIM A          | DIM B          | DIM L        | DIM M         | DIM N          |
|-----|----------------|----------------|--------------|---------------|----------------|
| 06  | 12.70<br>.500  | 5.08<br>.200   | 3.81<br>.150 | 3.81<br>.150  | ---            |
| 08  | 15.24<br>.600  | 7.62<br>.300   | 3.81<br>.150 | 3.81<br>.150  | ---            |
| 10  | 17.78<br>.700  | 10.16<br>.400  | 3.81<br>.150 | 6.35<br>.250  | ---            |
| 12  | 20.32<br>.800  | 12.70<br>.500  | 3.81<br>.150 | 6.35<br>.250  | ---            |
| 14  | 22.86<br>.900  | 15.24<br>.600  | 3.81<br>.150 | 8.89<br>.350  | ---            |
| 16  | 25.40<br>1.000 | 17.78<br>.700  | 3.81<br>.150 | 8.89<br>.350  | ---            |
| 18  | 27.94<br>1.100 | 20.32<br>.800  | 3.81<br>.150 | 11.43<br>.450 | ---            |
| 20  | 30.48<br>1.200 | 22.86<br>.900  | 3.81<br>.150 | 3.81<br>.150  | 21.59<br>.850  |
| 22  | 33.02<br>1.300 | 25.40<br>1.000 | 3.81<br>.150 | 3.81<br>.150  | 24.13<br>.950  |
| 24  | 35.56<br>1.400 | 27.94<br>1.100 | 3.81<br>.150 | 3.81<br>.150  | 26.67<br>1.050 |
| 26  | 38.10<br>1.500 | 30.48<br>1.200 | 3.81<br>.150 | 3.81<br>.150  | 29.21<br>1.150 |
| 28  | 40.64<br>1.600 | 33.02<br>1.300 | 3.81<br>.150 | 3.81<br>.150  | 31.75<br>1.250 |
| 30  | 43.18<br>1.700 | 35.56<br>1.400 | 3.81<br>.150 | 3.81<br>.150  | 34.29<br>1.350 |
| 32  | 45.72<br>1.800 | 38.10<br>1.500 | 3.81<br>.150 | 3.81<br>.150  | 36.83<br>1.450 |
| 34  | 48.26<br>1.900 | 40.64<br>1.600 | 3.81<br>.150 | 3.81<br>.150  | 39.37<br>1.550 |
| 36  | 50.80<br>2.000 | 43.18<br>1.700 | 3.81<br>.150 | 3.81<br>.150  | 41.91<br>1.650 |
| 38  | 53.34<br>2.100 | 45.72<br>1.800 | 3.81<br>.150 | 3.81<br>.150  | 44.45<br>1.750 |
| 40  | 55.88<br>2.200 | 48.26<br>1.900 | 3.81<br>.150 | 3.81<br>.150  | 46.99<br>1.850 |
| 42  | 58.42<br>2.300 | 50.80<br>2.000 | 3.81<br>.150 | 3.81<br>.150  | 49.53<br>1.950 |
| 44  | 60.96<br>2.400 | 53.34<br>2.100 | 3.81<br>.150 | 3.81<br>.150  | 52.07<br>2.050 |
| 46  | 63.50<br>2.500 | 55.88<br>2.200 | 3.81<br>.150 | 3.81<br>.150  | 54.61<br>2.150 |
| 48  | 66.04<br>2.600 | 58.42<br>2.300 | 3.81<br>.150 | 3.81<br>.150  | 57.15<br>2.250 |
| 50  | 68.58<br>2.700 | 60.96<br>2.400 | 3.81<br>.150 | 3.81<br>.150  | 59.69<br>2.350 |
| 52  | 71.12<br>2.800 | 63.50<br>2.500 | 3.81<br>.150 | 3.81<br>.150  | 62.23<br>2.450 |
| 54  | 73.66<br>2.900 | 66.04<br>2.600 | 3.81<br>.150 | 3.81<br>.150  | 64.77<br>2.550 |
| 56  | 76.20<br>3.000 | 68.58<br>2.700 | 3.81<br>.150 | 3.81<br>.150  | 67.31<br>2.650 |
| 58  | 78.74<br>3.100 | 71.12<br>2.800 | 3.81<br>.150 | 3.81<br>.150  | 69.85<br>2.750 |
| 60  | 81.28<br>3.200 | 73.66<br>2.900 | 3.81<br>.150 | 3.81<br>.150  | 72.39<br>2.850 |
| 62  | 83.82<br>3.300 | 76.20<br>3.000 | 3.81<br>.150 | 3.81<br>.150  | 74.93<br>2.950 |
| 64  | 86.36<br>3.400 | 78.74<br>3.100 | 3.81<br>.150 | 3.81<br>.150  | 77.47<br>3.050 |
| 66  | 88.90<br>3.500 | 81.28<br>3.200 | 3.81<br>.150 | 3.81<br>.150  | 80.01<br>3.150 |
| 68  | 91.44<br>3.600 | 83.82<br>3.300 | 3.81<br>.150 | 3.81<br>.150  | 82.55<br>3.250 |
| 70  | 93.98<br>3.700 | 86.36<br>3.400 | 3.81<br>.150 | 3.81<br>.150  | 85.09<br>3.350 |
| 72  | 96.52<br>3.800 | 88.90<br>3.500 | 3.81<br>.150 | 3.81<br>.150  | 87.63<br>3.450 |

|                                                                                                                              |             |                                                  |                                                            |        |                                                                                                                               |                        |                    |                                                                                        |                        |                    |  |  |
|------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------|------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------|----------------------------------------------------------------------------------------|------------------------|--------------------|--|--|
| MODIFY HOUSING WALL<br>EC NO: UCP2010-1587<br>DRWN:MS BARRA 2010/01/12<br>CHKD:BBARKER 2010/01/12<br>APPR:SMILLER 2010/03/31 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br><br>▽=0<br><br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        | DIMENSION STYLE<br>MM/IN                                                                                                      |                        | SCALE<br>4:1       | DESIGN UNITS<br>INCH                                                                   | THIRD ANGLE PROJECTION |                    |  |  |
|                                                                                                                              |             |                                                  |                                                            | mm     | INCH                                                                                                                          | DRAWN BY<br>EIK        | DATE<br>1988/03/10 | TITLE<br>4 SIDES SHROUDED HEADER<br>HIGH TEMP, (2.54)/.100<br>GRID W/ (0.64)/.025 PINS |                        |                    |  |  |
|                                                                                                                              |             |                                                  | 4 PLACES                                                   | ± ---  | ± ---                                                                                                                         | CHECKED BY<br>EIK      | DATE<br>1988/03/10 |                                                                                        |                        |                    |  |  |
|                                                                                                                              |             |                                                  | 3 PLACES                                                   | ± ---  | ± .005                                                                                                                        | APPROVED BY<br>SMILLER |                    | DATE<br>2010/03/31                                                                     |                        | MOLEX INCORPORATED |  |  |
|                                                                                                                              |             |                                                  | 2 PLACES                                                   | ± 0.13 | ± .010                                                                                                                        |                        |                    |                                                                                        |                        |                    |  |  |
|                                                                                                                              |             |                                                  | 1 PLACE                                                    | ± 0.25 | ± ---                                                                                                                         | MATERIAL NO.           |                    | DOCUMENT NO.                                                                           |                        | SHEET NO.          |  |  |
|                                                                                                                              |             |                                                  | ANGULAR ± 1/2°                                             |        | SEE TABLE                                                                                                                     |                        | SDA-70567-****     |                                                                                        | 2 OF 5                 |                    |  |  |
|                                                                                                                              |             |                                                  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                    |                                                                                        |                        |                    |  |  |

| NO. OF CKTS | OPTION "A" |              | OPTION "A" |              | OPTION "A" |              | OPTION "A" |              | OPTION "A" |              | OPTION "A" |              |            |            |            |            |            |            | NO. OF CKTS |
|-------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|------------|------------|------------|------------|------------|-------------|
|             | EDP NUMBER | ENG NUMBER   | EDP NUMBER | ENG NUMBER   | EDP NUMBER | ENG NUMBER   | EDP NUMBER | ENG NUMBER   | EDP NUMBER | ENG NUMBER   | EDP NUMBER | ENG NUMBER   | EDP NUMBER | ENG NUMBER | EDP NUMBER | ENG NUMBER | EDP NUMBER | ENG NUMBER |             |
| 06          | IS-80-006I | A-70567-000I | 70567-003S | A-70567-003S | IS-80-006B | A-70567-006B | 70567-0103 | A-70567-0103 | IS-80-006S | A-70567-0137 | 70567-017I | A-70567-017I |            |            |            |            |            |            | 06          |
| 08          | IS-80-008I | A-70567-000I | 70567-003B | A-70567-003B | IS-80-008B | A-70567-0070 | 70567-0104 | A-70567-0104 | IS-80-008S | A-70567-0138 | 70567-0172 | A-70567-0172 |            |            |            |            |            |            | 08          |
| 10          | IS-80-010I | A-70567-0003 | 70567-0037 | A-70567-0037 | IS-80-0103 | A-70567-0071 | 70567-0105 | A-70567-0105 | IS-80-010S | A-70567-0139 | 70567-0173 | A-70567-0173 |            |            |            |            |            |            | 10          |
| 12          | IS-80-012I | A-70567-0004 | 70567-0038 | A-70567-0038 | IS-80-0123 | A-70567-0072 | 70567-0106 | A-70567-0106 | IS-80-012S | A-70567-0140 | 70567-0174 | A-70567-0174 |            |            |            |            |            |            | 12          |
| 14          | IS-80-014I | A-70567-0005 | 70567-0039 | A-70567-0039 | IS-80-0143 | A-70567-0073 | 70567-0107 | A-70567-0107 | IS-80-014S | A-70567-0141 | 70567-0175 | A-70567-0175 |            |            |            |            |            |            | 14          |
| 16          | IS-80-016I | A-70567-0006 | 70567-0040 | A-70567-0040 | IS-80-0163 | A-70567-0074 | 70567-0108 | A-70567-0108 | IS-80-016S | A-70567-0142 | 70567-0176 | A-70567-0176 |            |            |            |            |            |            | 16          |
| 18          | IS-80-018I | A-70567-0007 | 70567-0041 | A-70567-0041 | IS-80-0183 | A-70567-0075 | 70567-0109 | A-70567-0109 | IS-80-018S | A-70567-0143 | 70567-0177 | A-70567-0177 |            |            |            |            |            |            | 18          |
| 20          | IS-80-020I | A-70567-0008 | 70567-0042 | A-70567-0042 | IS-80-0203 | A-70567-0076 | 70567-0110 | A-70567-0110 | IS-80-020S | A-70567-0144 | 70567-0178 | A-70567-0178 |            |            |            |            |            |            | 20          |
| 22          | IS-80-022I | A-70567-0009 | 70567-0043 | A-70567-0043 | IS-80-0223 | A-70567-0077 | 70567-0111 | A-70567-0111 | IS-80-022S | A-70567-0145 | 70567-0179 | A-70567-0179 |            |            |            |            |            |            | 22          |
| 24          | IS-80-024I | A-70567-0010 | 70567-0044 | A-70567-0044 | IS-80-0243 | A-70567-0078 | 70567-0112 | A-70567-0112 | IS-80-024S | A-70567-0146 | 70567-0180 | A-70567-0180 |            |            |            |            |            |            | 24          |
| 26          | IS-80-026I | A-70567-0011 | 70567-0045 | A-70567-0045 | IS-80-0263 | A-70567-0079 | 70567-0113 | A-70567-0113 | IS-80-026S | A-70567-0147 | 70567-0181 | A-70567-0181 |            |            |            |            |            |            | 26          |
| 28          | IS-80-028I | A-70567-0012 | 70567-0046 | A-70567-0046 | IS-80-0283 | A-70567-0080 | 70567-0114 | A-70567-0114 | IS-80-028S | A-70567-0148 | 70567-0182 | A-70567-0182 |            |            |            |            |            |            | 28          |
| 30          | IS-80-030I | A-70567-0013 | 70567-0047 | A-70567-0047 | IS-80-0303 | A-70567-0081 | 70567-0115 | A-70567-0115 | IS-80-030S | A-70567-0149 | 70567-0183 | A-70567-0183 |            |            |            |            |            |            | 30          |
| 32          | IS-80-032I | A-70567-0014 | 70567-0048 | A-70567-0048 | IS-80-0323 | A-70567-0082 | 70567-0116 | A-70567-0116 | IS-80-032S | A-70567-0150 | 70567-0184 | A-70567-0184 |            |            |            |            |            |            | 32          |
| 34          | IS-80-034I | A-70567-0015 | 70567-0049 | A-70567-0049 | IS-80-0343 | A-70567-0083 | 70567-0117 | A-70567-0117 | IS-80-034S | A-70567-0151 | 70567-0185 | A-70567-0185 |            |            |            |            |            |            | 34          |
| 36          | IS-80-036I | A-70567-0016 | 70567-0050 | A-70567-0050 | IS-80-0363 | A-70567-0084 | 70567-0118 | A-70567-0118 | IS-80-036S | A-70567-0152 | 70567-0186 | A-70567-0186 |            |            |            |            |            |            | 36          |
| 38          | IS-80-038I | A-70567-0017 | 70567-0051 | A-70567-0051 | IS-80-0383 | A-70567-0085 | 70567-0119 | A-70567-0119 | IS-80-038S | A-70567-0153 | 70567-0187 | A-70567-0187 |            |            |            |            |            |            | 38          |
| 40          | IS-        |              |            |              |            |              |            |              |            |              |            |              |            |            |            |            |            |            |             |

|                                         |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   |
|-----------------------------------------|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|
| 1b_frame.D_P_AM_T<br>Rev. F. 2009/06/17 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|-----------------------------------------|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|

|   | 20                               | 19                               | 18 | 17 | 16 | 15 | 14             | 13                   | 12 | 11 | 10 | 9                     | 8 | 7                      | 6    | 5 | 4                                     | 3    | 2 | 1 |  |
|---|----------------------------------|----------------------------------|----|----|----|----|----------------|----------------------|----|----|----|-----------------------|---|------------------------|------|---|---------------------------------------|------|---|---|--|
| M | ENGINEERING<br>NUMBER<br>A-70567 | MANUFACTURE<br>RELEASE<br>STATUS |    |    |    |    | E<br>REF.      | C<br>±.015<br>(0.38) |    |    |    | CONNECTOR END PLATING |   | P.C. BOARD END PLATING |      |   | PACKAGING<br>INFORMATION<br>PK-70873- |      |   |   |  |
|   |                                  |                                  |    |    |    |    |                |                      |    |    |    | TYPE                  |   | D<br>MEAS.             | TYPE |   | F<br>MEAS.                            |      |   |   |  |
| L | -0205/-0238                      | R.F.M.                           |    |    |    |    | .130<br>(3.30) | .315<br>(8.00)       |    |    |    | TIN                   |   | .100<br>(2.54)         | TIN  |   | .050<br>(1.27)                        | 0018 |   |   |  |
|   | -0239/-0272                      | R.F.M.                           |    |    |    |    | .200<br>(5.08) | .315<br>(8.00)       |    |    |    | TIN                   |   | .100<br>(2.54)         | TIN  |   | .050<br>(1.27)                        | 0018 |   |   |  |
|   | -0273/-0306                      | R.F.M.                           |    |    |    |    | .130<br>(3.30) | .315<br>(8.00)       |    |    |    | 15 GOLD               |   | .100<br>(2.54)         | TIN  |   | .050<br>(1.27)                        | 0018 |   |   |  |
|   | -0307/-0340                      | R.F.M.                           |    |    |    |    | .200<br>(5.08) | .315<br>(8.00)       |    |    |    | 15 GOLD               |   | .100<br>(2.54)         | TIN  |   | .050<br>(1.27)                        | 0018 |   |   |  |
| K | -0341/-0374                      | R.F.M.                           |    |    |    |    | .130<br>(3.30) | .315<br>(8.00)       |    |    |    | 30 GOLD               |   | .100<br>(2.54)         | TIN  |   | .050<br>(1.27)                        | 0018 |   |   |  |
|   | -0375/-0408                      | R.F.M.                           |    |    |    |    | .200<br>(5.08) | .315<br>(8.00)       |    |    |    | 30 GOLD               |   | .100<br>(2.54)         | TIN  |   | .050<br>(1.27)                        | 0018 |   |   |  |
| J |                                  |                                  |    |    |    |    |                |                      |    |    |    |                       |   |                        |      |   |                                       |      |   |   |  |
|   |                                  |                                  |    |    |    |    |                |                      |    |    |    |                       |   |                        |      |   |                                       |      |   |   |  |

| NO. OF<br>CKTS | OPTION "B" |              | OPTION "B" |              | OPTION "B" |              | OPTION "B" |              | OPTION "B" |              | OPTION "B" |              | OPTION "B" |            |            |            |            |            |            |            | NO. OF<br>CKTS |
|----------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|----------------|
|                | EDP NUMBER | ENG NUMBER   | EDP NUMBER | ENG NUMBER   | EDP NUMBER | ENG NUMBER   | EDP NUMBER | ENG NUMBER   | EDP NUMBER | ENG NUMBER   | EDP NUMBER | ENG NUMBER   | EDP NUMBER | ENG NUMBER | EDP NUMBER | ENG NUMBER | EDP NUMBER | ENG NUMBER | EDP NUMBER | ENG NUMBER |                |
| 06             | IS-80-0067 | A-70567-0205 | 70567-0239 | A-70567-0239 | IS-80-0069 | A-70567-0273 | 70567-0307 | A-70567-0307 | IS-80-1061 | A-70567-0341 | 70567-0375 | A-70567-0375 |            |            |            |            |            |            |            |            | 06             |
| 08             | IS-80-0087 | A-70567-0206 | 70567-0240 | A-70567-0240 | IS-80-0089 | A-70567-0274 | 70567-0308 | A-70567-0308 | IS-80-1081 | A-70567-0342 | 70567-0376 | A-70567-0376 |            |            |            |            |            |            |            |            | 08             |
| 10             | IS-80-0107 | A-70567-0207 | 70567-0241 | A-70567-0241 | IS-80-0109 | A-70567-0275 | 70567-0309 | A-70567-0309 | IS-80-1101 | A-70567-0343 | 70567-0377 | A-70567-0377 |            |            |            |            |            |            |            |            | 10             |
| 12             | IS-80-0127 | A-70567-0208 | 70567-0242 | A-70567-0242 | IS-80-0129 | A-70567-0276 | 70567-0310 | A-70567-0310 | IS-80-1121 | A-70567-0344 | 70567-0378 | A-70567-0378 |            |            |            |            |            |            |            |            | 12             |
| 14             | IS-80-0147 | A-70567-0209 | 70567-0243 | A-70567-0243 | IS-80-0149 | A-70567-0277 | 70567-0311 | A-70567-0311 | IS-80-1141 | A-70567-0345 | 70567-0379 | A-70567-0379 |            |            |            |            |            |            |            |            | 14             |
| 16             | IS-80-0167 | A-70567-0210 | 70567-0244 | A-70567-0244 | IS-80-0169 | A-70567-0278 | 70567-0312 | A-70567-0312 | IS-80-1161 | A-70567-0346 | 70567-0380 | A-70567-0380 |            |            |            |            |            |            |            |            | 16             |
| 18             | IS-80-0187 | A-70567-0211 | 70567-0245 | A-70567-0245 | IS-80-0189 | A-70567-0279 | 70567-0313 | A-70567-0313 | IS-80-1181 | A-70567-0347 | 70567-0381 | A-70567-0381 |            |            |            |            |            |            |            |            | 18             |
| 20             | IS-80-0207 | A-70567-0212 | 70567-0246 | A-70567-0246 | IS-80-0209 | A-70567-0280 | 70567-0314 | A-70567-0314 | IS-80-1201 | A-70567-0348 | 70567-0382 | A-70567-0382 |            |            |            |            |            |            |            |            | 20             |
| 22             | IS-80-0227 | A-70567-0213 | 70567-0247 | A-70567-0247 | IS-80-0229 | A-70567-0281 | 70567-0315 | A-70567-0315 | IS-80-1221 | A-70567-0349 | 70567-0383 | A-70567-0383 |            |            |            |            |            |            |            |            | 22             |
| 24             | IS-80-0247 | A-70567-0214 | 70567-0248 | A-70567-0248 | IS-80-0249 | A-70567-0282 | 70567-0316 | A-70567-0316 | IS-80-1241 | A-70567-0350 | 70567-0384 | A-70567-0384 |            |            |            |            |            |            |            |            | 24             |
| 26             | IS-80-0267 | A-70567-0215 | 70567-0249 | A-70567-0249 | IS-80-0269 | A-70567-0283 | 70567-0317 | A-70567-0317 | IS-80-1261 | A-70567-0351 | 70567-0385 | A-70567-0385 |            |            |            |            |            |            |            |            | 26             |
| 28             | IS-80-0287 | A-70567-0216 | 70567-0250 | A-70567-0250 | IS-80-0289 | A-70567-0284 | 70567-0318 | A-70567-0318 | IS-80-1281 | A-70567-0352 | 70567-0386 | A-70567-0386 |            |            |            |            |            |            |            |            | 28             |
| 30             | IS-80-0307 | A-70567-0217 | 70567-0251 | A-70567-0251 | IS-80-0309 | A-70567-0285 | 70567-0319 | A-70567-0319 | IS-80-1301 | A-70567-0353 | 70567-0387 | A-70567-0387 |            |            |            |            |            |            |            |            | 30             |
| 32             | IS-80-0327 | A-70567-0218 | 70567-0252 | A-70567-0252 | IS-80-0329 | A-70567-0286 | 70567-0320 | A-70567-0320 | IS-80-1321 | A-70567-0354 | 70567-0388 | A-70567-0388 |            |            |            |            |            |            |            |            | 32             |
| 34             | IS-80-0347 | A-70567-0219 | 70567-0253 | A-70567-0253 | IS-80-0349 | A-70567-0287 | 70567-0321 | A-70567-0321 | IS-80-1341 | A-70567-0355 | 70567-0389 | A-70567-0389 |            |            |            |            |            |            |            |            | 34             |
| 36             | IS-80-0367 | A-70567-0220 | 70567-0254 | A-70567-0254 | IS-80-0369 | A-70567-0288 | 70567-0322 | A-70567-0322 | IS-80-1361 | A-70567-0356 | 70567-0390 | A-70567-0390 |            |            |            |            |            |            |            |            | 36             |
| 38             | IS-80-0387 | A-70567-0221 | 70567-0255 | A-70567-0255 | IS-80-0389 | A-70567-0289 | 70567-0323 | A-70567-0323 | IS-80-1381 | A-70567-0357 | 70567-0391 | A-70567-0391 |            |            |            |            |            |            |            |            | 38             |
| 40             | IS-80-0407 | A-70567-0222 | 70567-0256 | A-70567-0256 | IS-80-0409 | A-70567-0290 | 70567-0324 | A-70567-0324 | IS-80-1401 | A-70567-0358 | 70567-0392 | A-70567-0392 |            |            |            |            |            |            |            |            | 40             |
| 42             | IS-80-0427 | A-70567-0223 | 70567-0257 | A-70567-0257 | IS-80-0429 | A-70567-0291 | 70567-0325 | A-70567-0325 | IS-80-1421 | A-70567-0359 | 70567-0393 | A-70567-0393 |            |            |            |            |            |            |            |            | 42             |
| 44             | IS-80-0447 | A-70567-0224 | 70567-0258 | A-70567-0258 | IS-80-0449 | A-70567-0292 | 70567-0326 | A-70567-0326 | IS-80-1441 | A-70567-0360 | 70567-0394 | A-70567-0394 |            |            |            |            |            |            |            |            | 44             |
| 46             | IS-80-0467 | A-70567-0225 | 70567-0259 | A-70567-0259 | IS-80-0469 | A-70567-0293 | 70567-0327 | A-70567-0327 | IS-80-1461 | A-70567-0361 | 70567-0395 | A-70567-0395 |            |            |            |            |            |            |            |            | 46             |
| 48             | IS-80-0487 | A-70567-0226 | 70567-0260 | A-70567-0260 | IS-80-0489 | A-70567-0294 | 70567-0328 | A-70567-0328 | IS-80-1481 | A-70567-0362 | 70567-0396 | A-70567-0396 |            |            |            |            |            |            |            |            | 48             |
| 50             | IS-80-0507 | A-70567-0227 | 70567-0261 | A-70567-0261 | IS-80-0509 | A-70567-0295 | 70567-0329 | A-70567-0329 | IS-80-1501 | A-70567-0363 | 70567-0397 | A-70567-0397 |            |            |            |            |            |            |            |            | 50             |
| 52             | IS-80-0527 | A-70567-0228 | 70567-0262 | A-70567-0262 | IS-80-0529 | A-70567-0296 | 70567-0330 | A-70567-0330 | IS-80-1521 | A-70567-0364 | 70567-0398 | A-70567-0398 |            |            |            |            |            |            |            |            | 52             |
| 54             | IS-80-0547 | A-70567-0229 | 70567-0263 | A-70567-0263 | IS-80-0549 | A-70567-0297 | 70567-0331 | A-70567-0331 | IS-80-1541 | A-70567-0365 | 70567-0399 | A-70567-0399 |            |            |            |            |            |            |            |            | 54             |
| 56             | IS-80-0567 | A-70567-0230 | 70567-0264 | A-70567-0264 | IS-80-0569 | A-70567-0298 | 70567-0332 | A-70567-0332 | IS-80-1561 | A-70567-0366 | 70567-0400 | A-70567-0400 |            |            |            |            |            |            |            |            | 56             |
| 58             | IS-80-0587 | A-70567-0231 | 70567-0265 | A-70567-0265 | IS-80-0589 | A-70567-0299 | 70567-0333 | A-70567-0333 | IS-80-1581 | A-70567-0367 | 70567-0401 | A-70567-0401 |            |            |            |            |            |            |            |            | 58             |
| 60             | IS-80-0607 | A-70567-0232 | 70567-0266 | A-70567-0266 | IS-80-0609 | A-70567-0300 | 70567-0334 | A-70567-0334 | IS-80-1601 | A-70567-0368 | 70567-0402 | A-70567-0402 |            |            |            |            |            |            |            |            | 60             |
| 62             | IS-80-0627 | A-70567-0233 | 70567-0267 | A-70567-0267 | IS-80-0629 | A-70567-0301 | 70567-0335 | A-70567-0335 | IS-80-1621 | A-70567-0369 | 70567-0403 | A-70567-0403 |            |            |            |            |            |            |            |            | 62             |
| 64             | IS-80-0647 | A-70567-0234 | 70567-0268 | A-70567-0268 | IS-80-0649 | A-70567-0302 | 70567-0336 | A-70567-0336 | IS-80-1641 | A-70567-0370 | 70567-0404 | A-70567-0404 |            |            |            |            |            |            |            |            | 64             |
| 66             | IS-80-0667 | A-70567-0235 | 70567-0269 | A-70567-0269 | IS-80-0669 | A-70567-0303 | 70567-0337 | A-70567-0337 | IS-80-1661 | A-70567-0371 | 70567-0405 | A-70567-0405 |            |            |            |            |            |            |            |            | 66             |
| 68             | IS-80-0687 | A-70567-0236 | 70567-0270 | A-70567-0270 | IS-80-0689 | A-70567-0304 | 70567-0338 | A-70567-0338 | IS-80-1681 | A-70567-0372 | 70567-0406 | A-70567-0406 |            |            |            |            |            |            |            |            | 68             |
| 70             | IS-80-0707 | A-70567-0237 | 70567-0271 | A-70567-0271 | IS-80-0709 | A-70567-0305 | 70567-0339 | A-70567-0339 | IS-80-1701 | A-70567-0373 | 70567-0407 | A-70567-0407 |            |            |            |            |            |            |            |            | 70             |
| 72             | IS-80-0727 | A-70567-0238 | 70567-0272 | A-70567-0272 | IS-80-0729 | A-70567-0306 | 70567-0340 | A-70567-0340 | IS-80-1721 | A-70567-0374 | 70567-0408 | A-70567-0408 |            |            |            |            |            |            |            |            | 72             |

|   |   |                                                                                                                                    |             |                 |                                       |        |                                                            |                  |                                                                                                                                  |              |                                                                               |                    |
|---|---|------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------|---------------------------------------|--------|------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------|--------------------|
| B | A | SEE SHEETS 1 & 2<br>EC NO. UCP2010-1587<br>DRAWN BY BARBARA 2010/01/12<br>CHKD BY BARBARA 2010/01/12<br>APPR. BY MILLER 2010/03/31 | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) |        | DIMENSION STYLE                                            |                  | SCALE                                                                                                                            | DESIGN UNITS | THIRD ANGLE PROJECTION                                                        | SHEET NO.          |
|   |   |                                                                                                                                    |             |                 | mm                                    | INCH   | MM/IN                                                      | 11               | INCH                                                                                                                             | 4 OF 5       |                                                                               |                    |
| B | A | 1                                                                                                                                  | REV         | ▽=0             | 4 PLACES ± ---                        | ± ---  | EIK                                                        | DRAWN BY DATE    | 1988/03/10                                                                                                                       | TITLE        | 4 SIDES SHROUDED HEADER<br>HIGH TEMP. (2.54)/.100<br>GRID W/ (0.64)/.025 PINS | MOLEX INCORPORATED |
|   |   |                                                                                                                                    |             |                 |                                       |        |                                                            |                  |                                                                                                                                  |              |                                                                               |                    |
| B | A | 1                                                                                                                                  | REV         | ▽=0             | 2 PLACES ± 0.13                       | ± .010 | EIK                                                        | APPROVED BY DATE | 2010/03/31                                                                                                                       | MATERIAL NO. | DOCUMENT NO.                                                                  | SHEET NO.          |
|   |   |                                                                                                                                    |             |                 |                                       |        |                                                            |                  |                                                                                                                                  |              |                                                                               |                    |
|   |   |                                                                                                                                    |             |                 | ANGULAR ±1/2°                         |        | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                  | SEE TABLE                                                                                                                        |              |                                                                               |                    |
|   |   |                                                                                                                                    |             |                 |                                       |        | SIZE D                                                     |                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                                                                               |                    |

