

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [0015913163](#)  
**Status:** **Active**  
**Description:** 2.54mm (.100") Pitch SL™ Wire-to-Board Header, Low Profile, Surface Mount, Single Row, Right Angle, .120" Pocket, Shrouded, with Press-fit Plastic Peg, 16 Circuits, 0.76µm (30µ") Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating

**Documents:**

|                                               |                                                      |
|-----------------------------------------------|------------------------------------------------------|
| <a href="#">3D Model</a>                      | <a href="#">Product Specification PS-70400 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                 | <a href="#">Product Specification PS-70541 (PDF)</a> |
| <a href="#">Packaging Specification (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a> |

**Agency Certification**

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

**General**

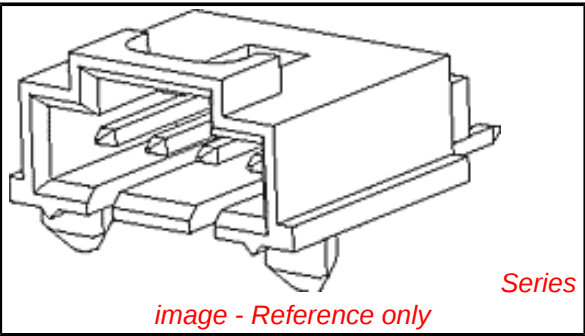
|                |                       |
|----------------|-----------------------|
| Product Family | PCB Headers           |
| Series         | <a href="#">70634</a> |
| Application    | Wire-to-Board         |
| Product Name   | SL™                   |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 16                             |
| Circuits (maximum)             | 16                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 50                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | No                             |
| 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                 | 1                              |
| Orientation                    | Right Angle                    |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness Recommended (in) | 0.062 In                       |
| PCB Thickness Recommended (mm) | 1.60 mm                        |
| Packaging Type                 | Tube                           |
| Pitch - Mating Interface (in)  | 0.100 In                       |
| Pitch - Mating Interface (mm)  | 2.54 mm                        |
| Plating min: Mating (µin)      | 30                             |
| Plating min: Mating (µm)       | 0.75                           |
| Plating min: Termination (µin) | 75                             |
| Plating min: Termination (µm)  | 1.875                          |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Shrouded                       | Fully                          |
| Stackable                      | No                             |
| Temperature Range - Operating  | -40°C to +105°C                |
| Termination Interface: Style   | Surface Mount                  |

**Electrical**

|                               |    |
|-------------------------------|----|
| Current - Maximum per Contact | 3A |
|-------------------------------|----|



**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

Not Reviewed

**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**

[70634Series](#)

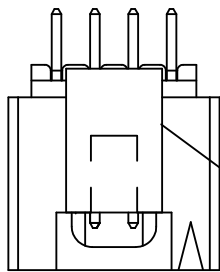
**Mates With**

[70066n](#) , [70066g](#) , [70430g](#) , [70400g](#) Housing

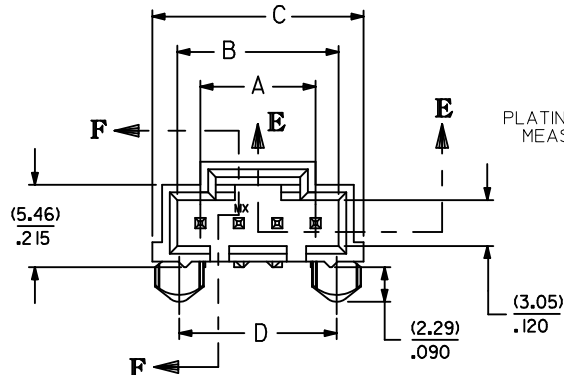
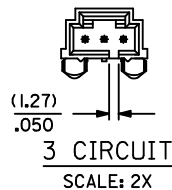
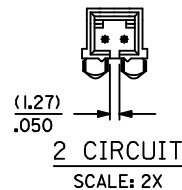
|                                    |                           |
|------------------------------------|---------------------------|
| Voltage - Maximum                  | 250V                      |
| <b>Solder Process Data</b>         |                           |
| Lead-free Process Capability       | Reflow Capable (SMT only) |
| Process Temperature max. C         | 260                       |
| <b>Material Info</b>               |                           |
| Old Part Number                    | 70634-0085                |
| <b>Reference - Drawing Numbers</b> |                           |
| Product Specification              | PS-70400, PS-70541        |
| Sales Drawing                      | SDA-70634-****            |

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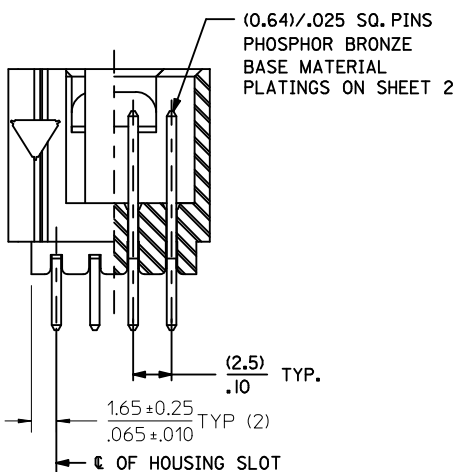
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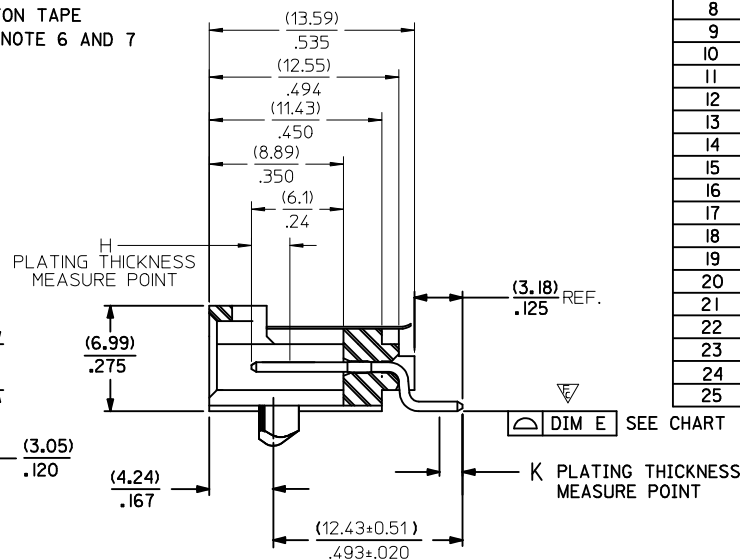
KAPTON TAPE  
SEE NOTE 6 AND 7



OPTION "E"



SECTION E-E

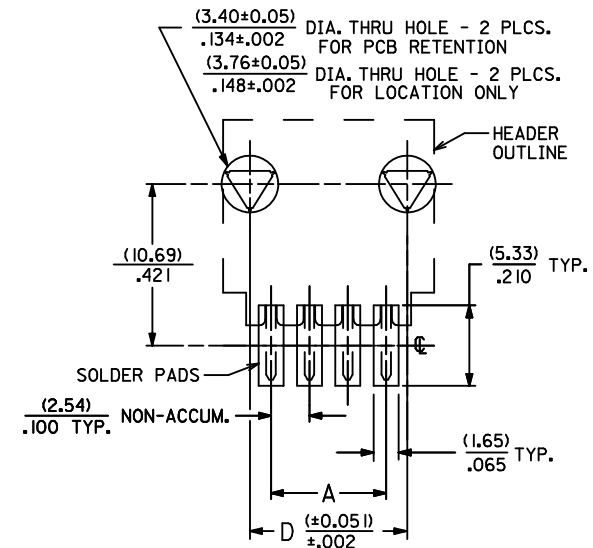


SECTION F-F

NOTES

- 1) HOUSING MATERIAL: HIGH TEMPERATURE GLASS FILLED POLYESTER, 94V-0, COLOR: BLACK.  
PIN MATERIAL: PHOSPHOR BRONZE
- 2) HEADER MATES TO 70400-\*\*\*\* AND 70430-\*\*\*\* OPTION "G" SERIES CONNECTORS.
- 3) FOR PACKAGING OPTIONS REFER TO CHART ON SHEET 2.
- 4) SEE SHEET 2 FOR PIN PLATINGS.
- 5) REFER TO MOLEX PRODUCT SPECIFICATION PS-70541.
- 6) SEE CHART ON SHEET 2 TO DETERMINE PART NUMBERS WITH KAPTON TAPE.
- 7) KAPTON TAPE ADDED FOR PICK AND PLACE SYSTEMS. REMOVE KAPTON TAPE AFTER SOLDERING TO PREVENT INTERFERENCE WITH LATCH ON MATING PART.

| CKT.<br>SIZE | "A"   |       | "B"   |       | "C"   |       | "D"   |       | "E"  |      |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
|              | MM    | IN.   | MM    | IN.   | MM    | IN.   | MM    | IN.   | MM   | IN.  |
| 2            | 2.54  | .100  | 5.33  | .210  | 8.64  | .340  | 5.33  | .210  | 0.13 | .005 |
| 3            | 5.08  | .200  | 8.13  | .320  | 11.43 | .450  | 7.87  | .310  | 0.13 | .005 |
| 4            | 7.62  | .300  | 10.67 | .420  | 13.97 | .550  | 10.41 | .410  | 0.13 | .005 |
| 5            | 10.16 | .400  | 13.21 | .520  | 16.51 | .650  | 12.95 | .510  | 0.13 | .005 |
| 6            | 12.70 | .500  | 15.75 | .620  | 19.05 | .750  | 15.49 | .610  | 0.13 | .005 |
| 7            | 15.24 | .600  | 18.29 | .720  | 21.59 | .850  | 18.03 | .710  | 0.13 | .005 |
| 8            | 17.78 | .700  | 20.83 | .820  | 24.13 | .950  | 20.57 | .810  | 0.13 | .005 |
| 9            | 20.32 | .800  | 23.37 | .920  | 26.67 | 1.050 | 23.11 | .910  | 0.13 | .005 |
| 10           | 22.86 | .900  | 25.91 | 1.020 | 29.21 | 1.150 | 25.65 | 1.010 | 0.13 | .005 |
| 11           | 25.40 | 1.000 | 28.45 | 1.120 | 31.75 | 1.250 | 28.19 | 1.110 | 0.13 | .005 |
| 12           | 27.94 | 1.100 | 30.99 | 1.220 | 34.29 | 1.350 | 30.73 | 1.210 | 0.13 | .005 |
| 13           | 30.48 | 1.200 | 33.53 | 1.320 | 36.83 | 1.450 | 33.27 | 1.310 | 0.13 | .005 |
| 14           | 33.02 | 1.300 | 36.07 | 1.420 | 39.37 | 1.550 | 35.81 | 1.410 | 0.13 | .005 |
| 15           | 35.56 | 1.400 | 38.61 | 1.520 | 41.91 | 1.650 | 38.35 | 1.510 | 0.13 | .005 |
| 16           | 38.10 | 1.500 | 41.15 | 1.620 | 44.45 | 1.750 | 40.89 | 1.610 | 0.15 | .006 |
| 17           | 40.64 | 1.600 | 43.69 | 1.720 | 46.99 | 1.850 | 43.43 | 1.710 | 0.15 | .006 |
| 18           | 43.18 | 1.700 | 46.23 | 1.820 | 49.53 | 1.950 | 45.97 | 1.810 | 0.15 | .006 |
| 19           | 45.72 | 1.800 | 48.77 | 1.920 | 52.07 | 2.050 | 48.51 | 1.910 | 0.15 | .006 |
| 20           | 48.26 | 1.900 | 51.31 | 2.020 | 54.61 | 2.150 | 51.05 | 2.010 | 0.15 | .006 |
| 21           | 50.80 | 2.000 | 53.85 | 2.120 | 57.15 | 2.250 | 53.59 | 2.110 | 0.18 | .007 |
| 22           | 53.34 | 2.100 | 56.39 | 2.220 | 59.69 | 2.350 | 56.13 | 2.210 | 0.18 | .007 |
| 23           | 55.88 | 2.200 | 58.93 | 2.320 | 62.23 | 2.450 | 58.67 | 2.310 | 0.18 | .007 |
| 24           | 58.42 | 2.300 | 61.47 | 2.420 | 64.77 | 2.550 | 61.21 | 2.410 | 0.18 | .007 |
| 25           | 60.96 | 2.400 | 64.01 | 2.520 | 67.31 | 2.650 | 63.75 | 2.510 | 0.18 | .007 |



RECOMMENDED P.C. BOARD PAD LAYOUT

|                                                                                                                      |             |                 |                                       |        |        |                                                            |                    |                                                                                                                               |                      |                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------|-------------|-----------------|---------------------------------------|--------|--------|------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| MODIFY DIM. TOL.<br>EC NO: UCP2010-1709<br>DRWN:MSBARRA 2010/01/28<br>CHKD:EIK 1993/06/02<br>APPR:SMILLER 2010/02/08 | DESCRIPTION | QUALITY SYMBOLS | 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>1993/06/02 | TITLE<br>SALES ASSEMBLY<br>SMT HEADER - RIGHT ANGLE<br>.100 CENTERS W/PCB PEGS                                                |                      |                                                                                                              |
|                                                                                                                      |             |                 | 4 PLACES                              | ± .005 | ± .005 | CHECKED BY<br>EIK                                          | DATE<br>1993/06/02 | MOLEX INCORPORATED                                                                                                            |                      |                                                                                                              |
|                                                                                                                      |             |                 | 3 PLACES                              | ± .010 | ± .010 | APPROVED BY<br>SMILLER                                     | DATE<br>2010/02/08 |                                                                                                                               |                      |                                                                                                              |
|                                                                                                                      |             |                 | 2 PLACES                              | ± 0.13 | ± .010 | MATERIAL NO.                                               |                    |                                                                                                                               |                      |                                                                                                              |
|                                                                                                                      |             |                 | 1 PLACE                               | ± 0.25 | ± .010 | SEE TABLE                                                  |                    | SDA-70634-****                                                                                                                |                      |                                                                                                              |
| REV                                                                                                                  |             |                 | ANGULAR ±1/2°                         |        |        | 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 |                      |                                                                                                              |

| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   | 12                                                                                                                                                                                                                                 |              | 11         |              | 10         |              | 9          |                                 | 8                     |                | 7                      |                | 6          |                            | 5    |  | 4 |  | 3 |  | 2 |  | 1 |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|------------|--------------|------------|---------------------------------|-----------------------|----------------|------------------------|----------------|------------|----------------------------|------|--|---|--|---|--|---|--|---|--|
| J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ENGINEERING<br>NUMBER<br>A-70634- | MANUFACTURE<br>RELEASE<br>STATUS                                                                                                                                                                                                   |              |            |              |            |              |            | PLATING<br>TYPE<br>SEE<br>BELOW | CONNECTOR END PLATING |                | P.C. BOARD END PLATING |                | PACKAGING  |                            |      |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                                                                                                                                                                                                                                    |              |            |              |            |              |            | TYPE                            | H<br>MEASURE POINT    | TYPE           | K<br>MEASURE POINT     | KAPTON<br>TAPE | OPTION     | PACKAGE<br>PER<br>PK-70873 |      |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -0001-0024                        | R.F.M.                                                                                                                                                                                                                             |              |            |              |            |              |            | TIN                             | TIN                   | (2,54)<br>.100 | TIN                    | (1,27)<br>.050 | NO         | TUBE                       | -016 |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -0036-0059                        | R.F.M.                                                                                                                                                                                                                             |              |            |              |            |              |            | 15 GOLD                         | GOLD                  | (2,54)<br>.100 | TIN                    | (1,27)<br>.050 | NO         | TUBE                       | -016 |  |   |  |   |  |   |  |   |  |
| I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -0071-0094                        | R.F.M.                                                                                                                                                                                                                             |              |            |              |            |              |            | 30 GOLD                         | GOLD                  | (2,54)<br>.100 | TIN                    | (1,27)<br>.050 | NO         | TUBE                       | -016 |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -0106-0129                        | R.F.M.                                                                                                                                                                                                                             |              |            |              |            |              |            | TIN                             | TIN                   | (2,54)<br>.100 | TIN                    | (1,27)<br>.050 | YES        | CARRIER<br>TAPE            | -001 |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -0141-0164                        | R.F.M.                                                                                                                                                                                                                             |              |            |              |            |              |            | 15 GOLD                         | GOLD                  | (2,54)<br>.100 | TIN                    | (1,27)<br>.050 | YES        | CARRIER<br>TAPE            | -001 |  |   |  |   |  |   |  |   |  |
| H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -0176-0199                        | R.F.M.                                                                                                                                                                                                                             |              |            |              |            |              |            | 30 GOLD                         | GOLD                  | (2,54)<br>.100 | TIN                    | (1,27)<br>.050 | YES        | CARRIER<br>TAPE            | -001 |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                                                                                                                                                                                                                                    |              |            |              |            |              |            |                                 |                       |                |                        |                |            |                            |      |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                                                                                                                                                                                                                                    |              |            |              |            |              |            |                                 |                       |                |                        |                |            |                            |      |  |   |  |   |  |   |  |   |  |
| G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 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                 | CKTS |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 02                                | 15-91-3024                                                                                                                                                                                                                         | A-70634-0001 | 15-91-2025 | A-70634-0036 | 15-91-3023 | A-70634-0071 | 15-91-6029 | A-70634-0106                    | 15-91-7020            | A-70634-0141   | 15-91-7021             | A-70634-0176   |            |                            | 02   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 03                                | 15-91-3034                                                                                                                                                                                                                         | A-70634-0002 | 15-91-2035 | A-70634-0037 | 15-91-3033 | A-70634-0072 | 15-91-6039 | A-70634-0107                    | 15-91-7030            | A-70634-0142   | 15-91-7031             | A-70634-0177   |            |                            | 03   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 04                                | 15-91-3044                                                                                                                                                                                                                         | A-70634-0003 | 15-91-2045 | A-70634-0038 | 15-91-3043 | A-70634-0073 | 15-91-6049 | A-70634-0108                    | 15-91-7040            | A-70634-0143   | 15-91-7041             | A-70634-0178   |            |                            | 04   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 05                                | 15-91-3054                                                                                                                                                                                                                         | A-70634-0004 | 15-91-2055 | A-70634-0039 | 15-91-3053 | A-70634-0074 | 15-91-6059 | A-70634-0109                    | 15-91-7050            | A-70634-0144   | 15-91-7051             | A-70634-0179   |            |                            | 05   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 06                                | 15-91-3064                                                                                                                                                                                                                         | A-70634-0005 | 15-91-2065 | A-70634-0040 | 15-91-3063 | A-70634-0075 | 15-91-6069 | A-70634-0110                    | 15-91-7060            | A-70634-0145   | 15-91-7061             | A-70634-0180   |            |                            | 06   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 07                                | 15-91-3074                                                                                                                                                                                                                         | A-70634-0006 | 15-91-2075 | A-70634-0041 | 15-91-3073 | A-70634-0076 | 15-91-6079 | A-70634-0111                    | 15-91-7070            | A-70634-0146   | 15-91-7071             | A-70634-0181   |            |                            | 07   |  |   |  |   |  |   |  |   |  |
| F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 08                                | 15-91-3084                                                                                                                                                                                                                         | A-70634-0007 | 15-91-2085 | A-70634-0042 | 15-91-3083 | A-70634-0077 | 15-91-6089 | A-70634-0112                    | 15-91-7080            | A-70634-0147   | 15-91-7081             | A-70634-0182   |            |                            | 08   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 09                                | 15-91-3094                                                                                                                                                                                                                         | A-70634-0008 | 15-91-2095 | A-70634-0043 | 15-91-3093 | A-70634-0078 | 15-91-6099 | A-70634-0113                    | 15-91-7090            | A-70634-0148   | 15-91-7091             | A-70634-0183   |            |                            | 09   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10                                | 15-91-3104                                                                                                                                                                                                                         | A-70634-0009 | 15-91-2105 | A-70634-0044 | 15-91-3103 | A-70634-0079 | 15-91-6109 | A-70634-0114                    | 15-91-7100            | A-70634-0149   | 15-91-7101             | A-70634-0184   |            |                            | 10   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 11                                | 15-91-3114                                                                                                                                                                                                                         | A-70634-0010 | 15-91-2115 | A-70634-0045 | 15-91-3113 | A-70634-0080 | 15-91-6119 | A-70634-0115                    | 15-91-7110            | A-70634-0150   | 15-91-7111             | A-70634-0185   |            |                            | 11   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 12                                | 15-91-3124                                                                                                                                                                                                                         | A-70634-0011 | 15-91-2125 | A-70634-0046 | 15-91-3123 | A-70634-0081 | 15-91-6129 | A-70634-0116                    | 15-91-7120            | A-70634-0151   | 15-91-7121             | A-70634-0186   |            |                            | 12   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 13                                | 15-91-3134                                                                                                                                                                                                                         | A-70634-0012 | 15-91-2135 | A-70634-0047 | 15-91-3133 | A-70634-0082 | 15-91-6139 | A-70634-0117                    | 15-91-7130            | A-70634-0152   | 15-91-7131             | A-70634-0187   |            |                            | 13   |  |   |  |   |  |   |  |   |  |
| E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 14                                | 15-91-3144                                                                                                                                                                                                                         | A-70634-0013 | 15-91-2145 | A-70634-0048 | 15-91-3143 | A-70634-0083 | 15-91-6149 | A-70634-0118                    | 15-91-7140            | A-70634-0153   | 15-91-7141             | A-70634-0188   |            |                            | 14   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 15                                | 15-91-3154                                                                                                                                                                                                                         | A-70634-0014 | 15-91-2155 | A-70634-0049 | 15-91-3153 | A-70634-0084 | 15-91-6159 | A-70634-0119                    | 15-91-7150            | A-70634-0154   | 15-91-7151             | A-70634-0189   |            |                            | 15   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 16                                | 15-91-3164                                                                                                                                                                                                                         | A-70634-0015 | 15-91-2165 | A-70634-0050 | 15-91-3163 | A-70634-0085 | 15-91-6169 | A-70634-0120                    | 15-91-7160            | A-70634-0155   | 15-91-7161             | A-70634-0190   |            |                            | 16   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 17                                | 15-91-3174                                                                                                                                                                                                                         | A-70634-0016 | 15-91-2175 | A-70634-0051 | 15-91-3173 | A-70634-0086 | 15-91-6179 | A-70634-0121                    | 15-91-7170            | A-70634-0156   | 15-91-7171             | A-70634-0191   |            |                            | 17   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 18                                | 15-91-3184                                                                                                                                                                                                                         | A-70634-0017 | 15-91-2185 | A-70634-0052 | 15-91-3183 | A-70634-0087 | 15-91-6189 | A-70634-0122                    | 15-91-7180            | A-70634-0157   | 15-91-7181             | A-70634-0192   |            |                            | 18   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 19                                | 15-91-3194                                                                                                                                                                                                                         | A-70634-0018 | 15-91-2195 | A-70634-0053 | 15-91-3193 | A-70634-0088 | 15-91-6199 | A-70634-0123                    | 15-91-7190            | A-70634-0158   | 15-91-7191             | A-70634-0193   |            |                            | 19   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 20                                | 15-91-3204                                                                                                                                                                                                                         | A-70634-0019 | 15-91-2205 | A-70634-0054 | 15-91-3203 | A-70634-0089 | 15-91-6209 | A-70634-0124                    | 15-91-7200            | A-70634-0159   | 15-91-7201             | A-70634-0194   |            |                            | 20   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 21                                | 15-91-3214                                                                                                                                                                                                                         | A-70634-0020 | 15-91-2215 | A-70634-0055 | 15-91-3213 | A-70634-0090 | 15-91-6219 | A-70634-0125                    | 15-91-7210            | A-70634-0160   | 15-91-7211             | A-70634-0195   |            |                            | 21   |  |   |  |   |  |   |  |   |  |
| D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 22                                | 15-91-3224                                                                                                                                                                                                                         | A-70634-0021 | 15-91-2225 | A-70634-0056 | 15-91-3223 | A-70634-0091 | 15-91-6229 | A-70634-0126                    | 15-91-7220            | A-70634-0161   | 15-91-7221             | A-70634-0196   |            |                            | 22   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 23                                | 15-91-3234                                                                                                                                                                                                                         | A-70634-0022 | 15-91-2235 | A-70634-0057 | 15-91-3233 | A-70634-0092 | 15-91-6239 | A-70634-0127                    | 15-91-7230            | A-70634-0162   | 15-91-7231             | A-70634-0197   |            |                            | 23   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 24                                | 15-91-3244                                                                                                                                                                                                                         | A-70634-0023 | 15-91-2245 | A-70634-0058 | 15-91-3243 | A-70634-0093 | 15-91-6249 | A-70634-0128                    | 15-91-7240            | A-70634-0163   | 15-91-7241             | A-70634-0198   |            |                            | 24   |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 25                                | 15-91-3254                                                                                                                                                                                                                         | A-70634-0024 | 15-91-2255 | A-70634-0059 | 15-91-3253 | A-70634-0094 | 15-91-6259 | A-70634-0129                    | 15-91-7250            | A-70634-0164   | 15-91-7251             | A-70634-0199   |            |                            | 25   |  |   |  |   |  |   |  |   |  |
| C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PLATING TYPE                      |                                                                                                                                                                                                                                    |              |            |              |            |              |            |                                 |                       |                |                        |                |            |                            |      |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TIN                               | TIN (Sn) OVER ENTIRE PIN; THICKNESS=(3.75 MICROMETER)/75 MICROINCH MINIMUM;<br>NICKEL (Ni) UNDERPLATE OVER ENTIRE PIN.                                                                                                             |              |            |              |            |              |            |                                 |                       |                |                        |                |            |                            |      |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 15 GOLD                           | SELECTIVE GOLD (Au) IN THE CONTACT AREA; THICKNESS=(0.37 MICROMETER)/15 MICROINCH MINIMUM;<br>SELECTIVE TIN (Sn) IN THE PC TAIL AREA; THICKNESS=(1.88 MICROMETER)/75 MICROINCH MINIMUM;<br>NICKEL (Ni) UNDERPLATE OVER ENTIRE PIN. |              |            |              |            |              |            |                                 |                       |                |                        |                |            |                            |      |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 30 GOLD                           | SELECTIVE GOLD (Au) IN THE CONTACT AREA; THICKNESS=(0.75 MICROMETER)/30 MICROINCH MINIMUM;<br>SELECTIVE TIN (Sn) IN THE PC TAIL AREA; THICKNESS=(1.88 MICROMETER)/75 MICROINCH MINIMUM;<br>NICKEL (Ni) UNDERPLATE OVER ENTIRE PIN. |              |            |              |            |              |            |                                 |                       |                |                        |                |            |                            |      |  |   |  |   |  |   |  |   |  |
| B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |                                                                                                                                                                                                                                    |              |            |              |            |              |            |                                 |                       |                |                        |                |            |                            |      |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                                                                                                                                                                                                                                    |              |            |              |            |              |            |                                 |                       |                |                        |                |            |                            |      |  |   |  |   |  |   |  |   |  |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |                                                                                                                                                                                                                                    |              |            |              |            |              |            |                                 |                       |                |                        |                |            |                            |      |  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                                                                                                                                                                                                                                    |              |            |              |            |              |            |                                 |                       |                |                        |                |            |                            |      |  |   |  |   |  |   |  |   |  |
| <div><div><div>SEE SHEET 1<br/>EC NO: UCP2010-1709<br/>DRAWN:MS IBARRA 2010/01/28<br/>CHKD:EIK 1993/06/02<br/>APPR:SMILLER 2010/02/08</div><div>DESCRIPTION</div><div>REV</div></div><div><div>QUALITY<br/>SYMBOLS</div><div>GENERAL TOLERANCES<br/>(UNLESS SPECIFIED)</div><div>DRAFT WHERE APPLICABLE<br/>MUST REMAIN<br/>WITHIN DIMENSIONS</div></div><div><div><div>DIMENSION STYLE<br/>MM/IN</div><div>DRAWN BY<br/>EIK</div><div>CHECKED BY<br/>EIK</div><div>APPROVED BY<br/>SMILLER</div><div>MATERIAL NO.</div><div>SIZE</div></div><div><div>DATE<br/>1993/06/02</div><div>DATE<br/>1993/06/02</div><div>DATE<br/>2010/02/08</div><div>DOCUMENT NO.<br/>SDA-70634-****</div><div>SHEET NO.<br/>2 OF 2</div></div><div><div>SCALE<br/>INCH</div><div>DESIGN UNITS<br/>INCH</div><div>THIRD ANGLE<br/>PROJECTION</div><div>SALES ASSEMBLY<br/>SMT HEADER - RIGHT ANGLE<br/>.100 CENTERS W/PCB PEGS</div><div>MOLEX INCORPORATED</div><div>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br/>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</div></div></div></div> |                                   |                                                                                                                                                                                                                                    |              |            |              |            |              |            |                                 |                       |                |                        |                |            |                            |      |  |   |  |   |  |   |  |   |  |
| 1b_frame_C_P_AM.T<br>Rev. F 2009/06/18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   | 12                                                                                                                                                                                                                                 | 11           | 10         | 9            | 8          | 7            | 6          | 5                               | 4                     | 3              | 2                      | 1              |            |                            |      |  |   |  |   |  |   |  |   |  |