

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

**Part Number:** [0702800443](#)  
**Status:** **Active**  
**Description:** 2.54mm (.100") Pitch C-Grid® Breakaway Header, Dual Row, Vertical, High Temperature, 90 Circuits, Tin (Sn) Plating, 2.72mm (.107") PC Tail Length

**Documents:**

|                                               |                                                      |
|-----------------------------------------------|------------------------------------------------------|
| <a href="#">3D Model</a>                      | <a href="#">Product Specification PS-70280 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                 | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Packaging Specification (PDF)</a> |                                                      |

**Agency Certification**

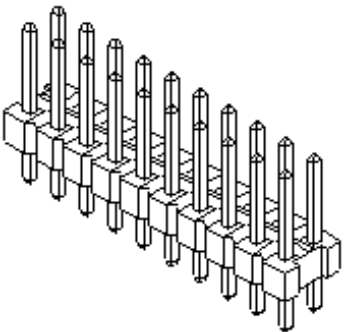
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |                               |
|----------------|-------------------------------|
| Product Family | PCB Headers                   |
| Series         | <a href="#">70280</a>         |
| Application    | Board-to-Board, Wire-to-Board |
| Product Name   | C-Grid®                       |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | Yes                            |
| Circuits (Loaded)              | 90                             |
| Circuits (maximum)             | 90                             |
| 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            | None                           |
| Material - Metal               | Copper Alloy                   |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PC Tail Length (in)            | 0.110 In                       |
| PC Tail Length (mm)            | 2.79 mm                        |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness Recommended (in) | 0.062 In                       |
| PCB Thickness Recommended (mm) | 1.60 mm                        |
| Packaging Type                 | Bag                            |
| Pitch - Mating Interface (in)  | 0.100 In                       |
| Pitch - Mating Interface (mm)  | 2.54 mm                        |
| Plating min: Mating (µin)      | 152.4                          |
| Plating min: Mating (µm)       | 3.81                           |
| Plating min: Termination (µin) | 152.4                          |
| Plating min: Termination (µm)  | 3.81                           |
| Polarized to Mating Part       | No                             |
| Shrouded                       | No                             |
| Stackable                      | Yes                            |
| Temperature Range - Operating  | -40°C to +105°C                |
| Termination Interface: Style   | Through Hole                   |



Series

image - Reference only

**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**

[70280Series](#)

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 3A   |
| Voltage - Maximum             | 250V |

**Solder Process Data**

|                              |                              |
|------------------------------|------------------------------|
| Lead-free Process Capability | SMC & Wave Capable (TH only) |
| Process Temperature max. C   | 260                          |

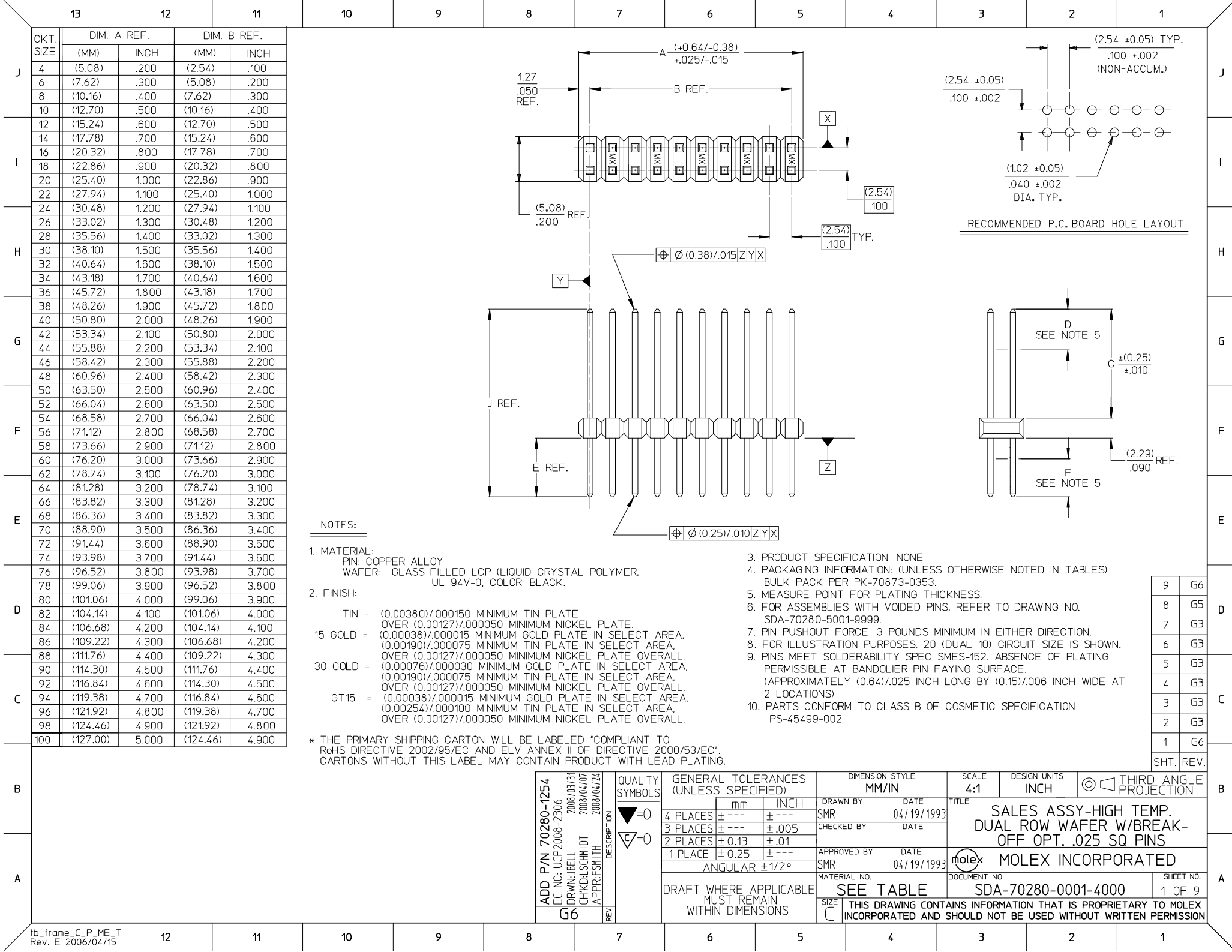
**Material Info**

**Reference - Drawing Numbers**

|                       |                     |
|-----------------------|---------------------|
| Product Specification | PS-70280            |
| Sales Drawing         | SDA-70280-0001-4000 |

This document was generated on 03/31/2010

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



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                               |                                                            |            |                          |                        |                                                                              |                      |                        |                       |                  |              |                        |                |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------|------------------------------------------------------------|------------|--------------------------|------------------------|------------------------------------------------------------------------------|----------------------|------------------------|-----------------------|------------------|--------------|------------------------|----------------|--------------|------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------|---------------------------------------|---|--------------------------|---|--------------|----------------------|------------------------|---|----|------|---------------------|------------------|------------------------------------------------------------------------------|--|--|--|----------|-------|-------|----------------------|------------------|----------|-------|-------|------------------------|------------------|--------------------|--|--|--|----------|-------|-------|--------------|--|--------------|--|---------|-------|-------|------------------------------------------------------------|--|-----------|--|---------------------|--|---------------------|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 13                                | 12                            | 11                                                         | 10         | 9                        | 8                      | 7                                                                            | 6                    | 5                      | 4                     | 3                | 2            | 1                      |                |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
| J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ENGINEERING<br>NUMBER<br>A-70280- | RELEASE<br>FOR<br>MANUFACTURE |                                                            |            | E<br>REF.                | J<br>REF.              | C<br>±(0.25)<br>.010                                                         |                      |                        | CONNECTOR END PLATING |                  |              | P.C. BOARD END PLATING |                |              | FOR PACKAGNG<br>INFORMATION, SEE<br>NOTE 4, SHEET 1<br>(UNLESS OTHERWISE<br>SPECIFIED BELOW)                           |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                               |                                                            |            |                          |                        |                                                                              |                      |                        | TYPE                  | D<br>MEAS.       |              | TYPE                   | F<br>MEAS.     |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -0439/-0448                       | R.F.M.                        |                                                            |            | (2.72)<br>.107           | (11.10)<br>.437        | (6.10)<br>.240                                                               |                      |                        |                       |                  |              | TIN                    | (1.27)<br>.050 |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -0449/-0458                       | R.F.M.                        |                                                            |            | (2.72)<br>.107           | (11.10)<br>.437        | (6.10)<br>.240                                                               |                      |                        | 15 GOLD               | (2.54)<br>.100   |              | TIN                    | (1.27)<br>.050 |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
| I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -0459/-0468                       | R.F.M.                        |                                                            |            | (2.72)<br>.107           | (11.10)<br>.437        | (6.10)<br>.240                                                               |                      |                        | 30 GOLD               | (2.54)<br>.100   |              | TIN                    | (1.23)<br>.048 |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -0469/-0478                       | R.F.M.                        |                                                            |            | (2.79)<br>.110           | (13.21)<br>.520        | (8.13)<br>.320                                                               |                      |                        | TIN                   | (4.57)<br>.180   |              | TIN                    | (1.27)<br>.050 |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -0479/-0488                       | R.F.M.                        |                                                            |            | (2.79)<br>.110           | (13.21)<br>.520        | (8.13)<br>.320                                                               |                      |                        | 15 GOLD               | (4.57)<br>.180   |              | TIN                    | (1.27)<br>.050 |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -0489/-0498                       | R.F.M.                        |                                                            |            | (2.79)<br>.110           | (13.21)<br>.520        | (8.13)<br>.320                                                               |                      |                        | 30 GOLD               | (4.57)<br>.180   |              | TIN                    | (1.27)<br>.050 |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
| H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -0499/-0508                       | R.F.M.                        |                                                            |            | (3.94)<br>.155           | (12.32)<br>.485        | (6.10)<br>.240                                                               |                      |                        | 30 GOLD               | (2.54)<br>.100   |              | TIN                    | (1.27)<br>.050 |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                               |                                                            |            |                          |                        |                                                                              |                      |                        |                       |                  |              |                        |                |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
| 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                                                                                                                   |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 82                                | 70280-0439                    | A-70280-0439                                               | 70280-0449 | A-70280-0449             | 70280-0459             | A-70280-0459                                                                 | 70280-0469           | A-70280-0469           | 70280-0479            | A-70280-0479     | 70280-0489   | A-70280-0489           | 70280-0499     | A-70280-0499 | 82                                                                                                                     |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 84                                | 70280-0440                    | A-70280-0440                                               | 70280-0450 | A-70280-0450             | 70280-0460             | A-70280-0460                                                                 | 70280-0470           | A-70280-0470           | 70280-0480            | A-70280-0480     | 70280-0490   | A-70280-0490           | 70280-0500     | A-70280-0500 | 84                                                                                                                     |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 86                                | 70280-0441                    | A-70280-0441                                               | 70280-0451 | A-70280-0451             | 70280-0461             | A-70280-0461                                                                 | 70280-0471           | A-70280-0471           | 70280-0481            | A-70280-0481     | 70280-0491   | A-70280-0491           | 70280-0501     | A-70280-0501 | 86                                                                                                                     |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 88                                | 70280-0442                    | A-70280-0442                                               | 70280-0452 | A-70280-0452             | 70280-0462             | A-70280-0462                                                                 | 70280-0472           | A-70280-0472           | 70280-0482            | A-70280-0482     | 70280-0492   | A-70280-0492           | 70280-0502     | A-70280-0502 | 88                                                                                                                     |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 90                                | 70280-0443                    | A-70280-0443                                               | 70280-0453 | A-70280-0453             | 70280-0463             | A-70280-0463                                                                 | 70280-0473           | A-70280-0473           | 70280-0483            | A-70280-0483     | 70280-0493   | A-70280-0493           | 70280-0503     | A-70280-0503 | 90                                                                                                                     |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 92                                | 70280-0444                    | A-70280-0444                                               | 70280-0454 | A-70280-0454             | 70280-0464             | A-70280-0464                                                                 | 70280-0474           | A-70280-0474           | 70280-0484            | A-70280-0484     | 70280-0494   | A-70280-0494           | 70280-0504     | A-70280-0504 | 92                                                                                                                     |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 94                                | 70280-0445                    | A-70280-0445                                               | 70280-0455 | A-70280-0455             | 70280-0465             | A-70280-0465                                                                 | 70280-0475           | A-70280-0475           | 70280-0485            | A-70280-0485     | 70280-0495   | A-70280-0495           | 70280-0505     | A-70280-0505 | 94                                                                                                                     |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 96                                | 70280-0446                    | A-70280-0446                                               | 70280-0456 | A-70280-0456             | 70280-0466             | A-70280-0466                                                                 | 70280-0476           | A-70280-0476           | 70280-0486            | A-70280-0486     | 70280-0496   | A-70280-0496           | 70280-0506     | A-70280-0506 | 96                                                                                                                     |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 98                                | 70280-0447                    | A-70280-0447                                               | 70280-0457 | A-70280-0457             | 70280-0467             | A-70280-0467                                                                 | 70280-0477           | A-70280-0477           | 70280-0487            | A-70280-0487     | 70280-0497   | A-70280-0497           | 70280-0507     | A-70280-0507 | 98                                                                                                                     |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
| F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 100                               | 70280-0448                    | A-70280-0448                                               | 70280-0458 | A-70280-0458             | 70280-0468             | A-70280-0468                                                                 | 70280-0478           | A-70280-0478           | 70280-0488            | A-70280-0488     | 70280-0498   | A-70280-0498           | 70280-0508     | A-70280-0508 | 100                                                                                                                    |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                               |                                                            |            |                          |                        |                                                                              |                      |                        |                       |                  |              |                        |                |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
| E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |                               |                                                            |            |                          |                        |                                                                              |                      |                        |                       |                  |              |                        |                |              | E                                                                                                                      |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                               |                                                            |            |                          |                        |                                                                              |                      |                        |                       |                  |              |                        |                |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
| D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |                               |                                                            |            |                          |                        |                                                                              |                      |                        |                       |                  |              |                        |                |              | D                                                                                                                      |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                               |                                                            |            |                          |                        |                                                                              |                      |                        |                       |                  |              |                        |                |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
| C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |                               |                                                            |            |                          |                        |                                                                              |                      |                        |                       |                  |              |                        |                |              | C                                                                                                                      |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                               |                                                            |            |                          |                        |                                                                              |                      |                        |                       |                  |              |                        |                |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
| B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |                               |                                                            |            |                          |                        |                                                                              |                      |                        |                       |                  |              |                        |                |              | B                                                                                                                      |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |                               |                                                            |            |                          |                        |                                                                              |                      |                        |                       |                  |              |                        |                |              | A                                                                                                                      |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                               |                                                            |            |                          |                        |                                                                              |                      |                        |                       |                  |              |                        |                |              | A                                                                                                                      |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                               |                                                            |            |                          |                        |                                                                              |                      |                        |                       |                  |              |                        |                |              | A                                                                                                                      |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                               |                                                            |            |                          |                        |                                                                              |                      |                        |                       |                  |              |                        |                |              | A                                                                                                                      |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                               |                                                            |            |                          |                        |                                                                              |                      |                        |                       |                  |              |                        |                |              | A                                                                                                                      |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
| <table><tr><td rowspan="5">UPDATE DIMENSIONS<br/>EC NO: UCP2007-1440<br/>DRWN:PRDDEE 2006/12/18<br/>CHKD:ADERR 2006/12/18<br/>APPR:FJSM/TH 2007/01/10</td><td rowspan="5">DESCRIPTION<br/><br/>REV<br/>G3</td><td rowspan="5">QUALITY SYMBOLS<br/>▽=0<br/>▽=0</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE<br/>MM/IN</td><td>SCALE<br/>---</td><td>DESIGN UNITS<br/>INCH</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td>mm</td><td>INCH</td><td>DRAWN BY<br/>DMORGAN</td><td>DATE<br/>04/12/16</td><td colspan="4" rowspan="2">SALES ASSY-HIGH TEMP.<br/>DUAL ROW WAFER W/BREAK-<br/>OFF OPTION, .025 SQ PINS</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td><td>CHECKED BY<br/>BBARER</td><td>DATE<br/>04/12/16</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td><td>APPROVED BY<br/>SMILLER</td><td>DATE<br/>04/12/16</td><td colspan="4" rowspan="2">MOLEX INCORPORATED</td></tr><tr><td>2 PLACES</td><td>± ---</td><td>± ---</td><td colspan="2">MATERIAL NO.</td><td colspan="2">DOCUMENT NO.</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td><td colspan="2">DRAFT WHERE APPLICABLE<br/>MUST REMAIN<br/>WITHIN DIMENSIONS</td><td colspan="2">SEE CHART</td><td colspan="2">SDA-70280-0001-4000</td><td colspan="2">SHEET NO.<br/>5 OF 8</td></tr></table> |                                   |                               |                                                            |            |                          |                        |                                                                              |                      |                        |                       |                  |              |                        |                |              | UPDATE DIMENSIONS<br>EC NO: UCP2007-1440<br>DRWN:PRDDEE 2006/12/18<br>CHKD:ADERR 2006/12/18<br>APPR:FJSM/TH 2007/01/10 | DESCRIPTION<br><br>REV<br>G3 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |   | DIMENSION STYLE<br>MM/IN |   | SCALE<br>--- | DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION |   | mm | INCH | DRAWN BY<br>DMORGAN | DATE<br>04/12/16 | SALES ASSY-HIGH TEMP.<br>DUAL ROW WAFER W/BREAK-<br>OFF OPTION, .025 SQ PINS |  |  |  | 4 PLACES | ± --- | ± --- | CHECKED BY<br>BBARER | DATE<br>04/12/16 | 3 PLACES | ± --- | ± --- | APPROVED BY<br>SMILLER | DATE<br>04/12/16 | MOLEX INCORPORATED |  |  |  | 2 PLACES | ± --- | ± --- | MATERIAL NO. |  | DOCUMENT NO. |  | 1 PLACE | ± --- | ± --- | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SEE CHART |  | SDA-70280-0001-4000 |  | SHEET NO.<br>5 OF 8 |  |
| UPDATE DIMENSIONS<br>EC NO: UCP2007-1440<br>DRWN:PRDDEE 2006/12/18<br>CHKD:ADERR 2006/12/18<br>APPR:FJSM/TH 2007/01/10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DESCRIPTION<br><br>REV<br>G3      | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |            | DIMENSION STYLE<br>MM/IN |                        | SCALE<br>---                                                                 | DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION |                       |                  |              |                        |                |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                               | mm                                                         | INCH       | DRAWN BY<br>DMORGAN      | DATE<br>04/12/16       | SALES ASSY-HIGH TEMP.<br>DUAL ROW WAFER W/BREAK-<br>OFF OPTION, .025 SQ PINS |                      |                        |                       |                  |              |                        |                |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                               | 4 PLACES                                                   | ± ---      | ± ---                    | CHECKED BY<br>BBARER   |                                                                              |                      |                        |                       | DATE<br>04/12/16 |              |                        |                |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                               | 3 PLACES                                                   | ± ---      | ± ---                    | APPROVED BY<br>SMILLER | DATE<br>04/12/16                                                             | MOLEX INCORPORATED   |                        |                       |                  |              |                        |                |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                               | 2 PLACES                                                   | ± ---      | ± ---                    | MATERIAL NO.           |                                                                              |                      |                        |                       |                  | DOCUMENT NO. |                        |                |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
| 1 PLACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ± ---                             | ± ---                         | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |            | SEE CHART                |                        | SDA-70280-0001-4000                                                          |                      | SHEET NO.<br>5 OF 8    |                       |                  |              |                        |                |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
| <table><tr><td>tb_frame_C_P_ME_T<br/>Rev. E 2006/04/15</td><td>12</td><td>11</td><td>10</td><td>9</td><td>8</td><td>7</td><td>6</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td><td></td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   |                               |                                                            |            |                          |                        |                                                                              |                      |                        |                       |                  |              |                        |                |              | tb_frame_C_P_ME_T<br>Rev. E 2006/04/15                                                                                 | 12                           | 11                            | 10                                    | 9 | 8                        | 7 | 6            | 5                    | 4                      | 3 | 2  | 1    |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |
| tb_frame_C_P_ME_T<br>Rev. E 2006/04/15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12                                | 11                            | 10                                                         | 9          | 8                        | 7                      | 6                                                                            | 5                    | 4                      | 3                     | 2                | 1            |                        |                |              |                                                                                                                        |                              |                               |                                       |   |                          |   |              |                      |                        |   |    |      |                     |                  |                                                                              |  |  |  |          |       |       |                      |                  |          |       |       |                        |                  |                    |  |  |  |          |       |       |              |  |              |  |         |       |       |                                                            |  |           |  |                     |  |                     |  |