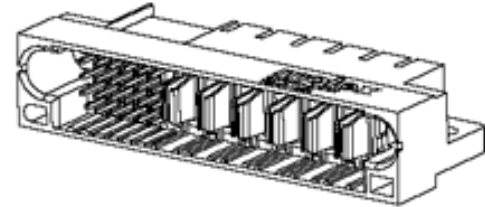


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**Part Number:** [0876674014](#)  
**Status:** **Active**  
**Overview:** [extreme\\_powerplus\\_ssi](#)  
**Description:** 6.35mm (.250") Pitch Power, 2.54mm (.100") Pitch Signal, EXTreme PowerPlus™ S-Pb Header, Through Hole, Right Angle, Screw Mount, Long Blade, 26 Circuits, Signal 20, Power Beta 6, Recessed Signal Pin: B4, Lead-free



Series

image - Reference only

**Documents:**

[3D Model](#) [Product Specification PS-87631-006 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

|                |                                           |
|----------------|-------------------------------------------|
| Product Family | PCB Headers                               |
| Series         | <a href="#">87667</a>                     |
| Application    | Board-to-Board                            |
| Comments       | <LI>Long Blade<LI>Recessed Signal Pin: B4 |
| Overview       | <a href="#">extreme_powerplus_ssi</a>     |
| Product Name   | EXTreme PowerPlus™                        |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 26                             |
| Circuits Detail                | Signal 20 Power Beta 6         |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 100                            |
| First Mate / Last Break        | Yes                            |
| Glow-Wire Compliant            | No                             |
| Guide to Mating Part           | Yes                            |
| Keying to Mating Part          | Yes                            |
| Lock to Mating Part            | Yes                            |
| Material - Metal               | Copper Alloy                   |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Number of Rows                 | 4                              |
| Orientation                    | Right Angle                    |
| PC Tail Length (in)            | 0.135 In                       |
| PC Tail Length (mm)            | 3.43 mm                        |
| PCB Locator                    | No                             |
| PCB Retention                  | Yes                            |
| PCB Thickness Recommended (in) | 0.062 In                       |
| PCB Thickness Recommended (mm) | 1.57 mm                        |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface (in)  | 0.100 In, 0.250 In             |
| Pitch - Mating Interface (mm)  | 2.54 mm, 6.35 mm               |
| Pitch - Term. Interface (in)   | 0.100 In, 0.125 In, 0.250 In   |
| Pitch - Term. Interface (mm)   | 2.54 mm, 3.18 mm, 6.35 mm      |
| Plating min: Mating (µin)      | 30                             |
| Plating min: Mating (µm)       | 0.76                           |
| Plating min: Termination (µin) | 100                            |
| Plating min: Termination (µm)  | 2.54                           |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Shrouded                       | Fully                          |
| Stackable                      | No                             |
| Temperature Range - Operating  | -20°C to +105°C                |

**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**

[87667Series](#)

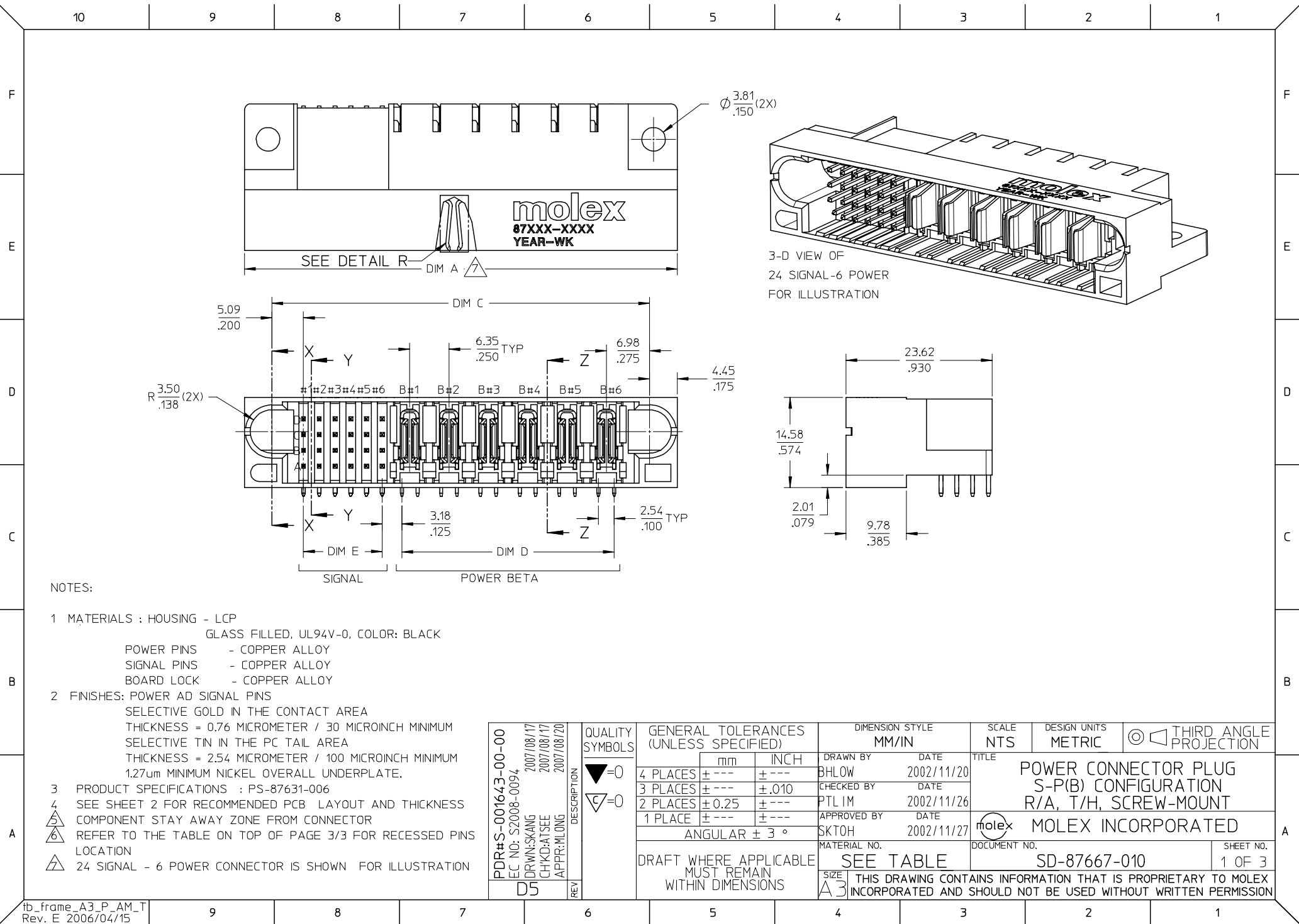
**Mates With**

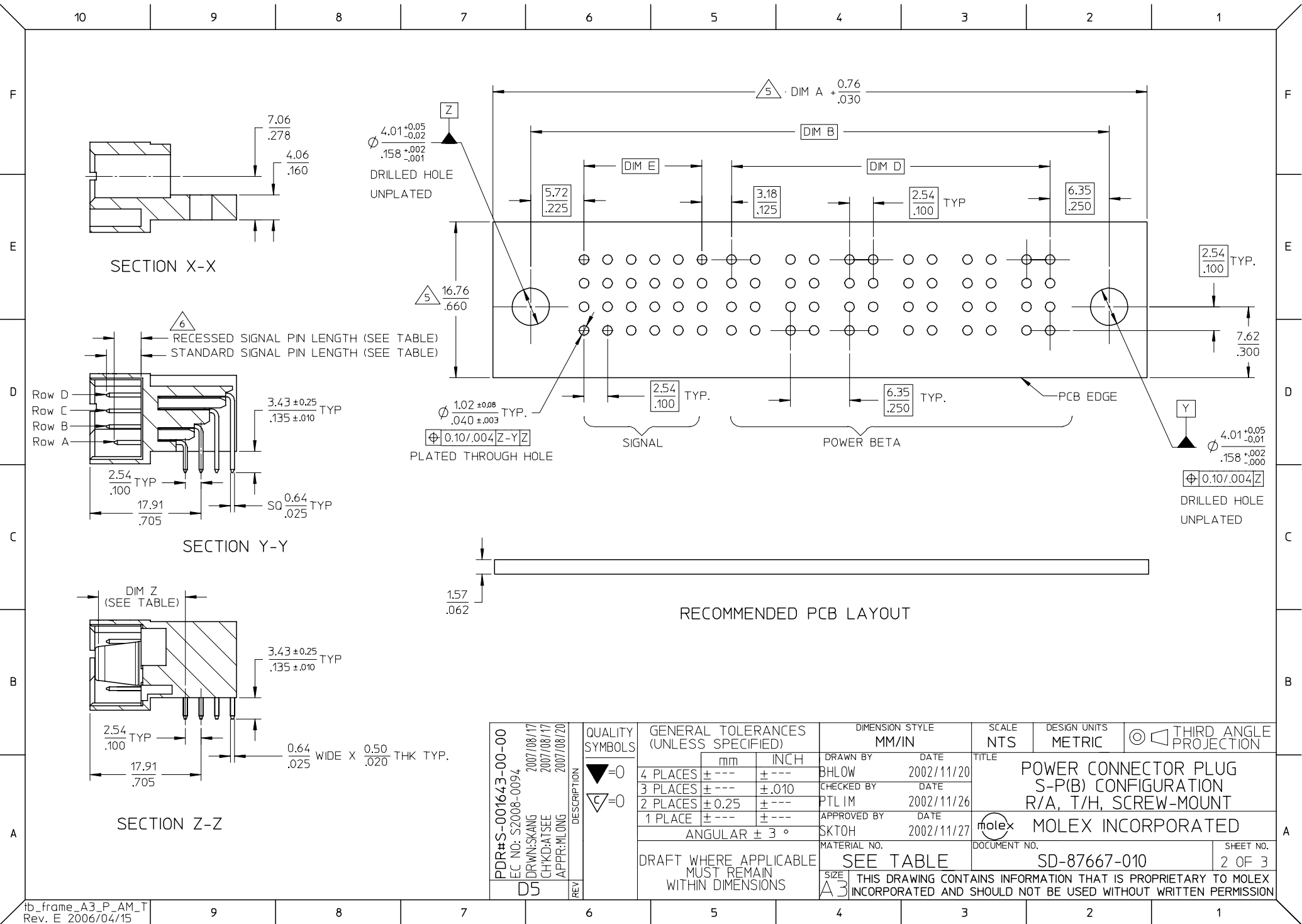
[87668](#) EXTreme PowerPlus™ S-Pb  
Receptacles with Beveled Metal Pins. [87710](#)  
EXTreme PowerPlus™ S-Pb Receptacles  
with Press-fit PC Tail

|                                                |                              |
|------------------------------------------------|------------------------------|
| Termination Interface: Style                   | Through Hole                 |
| <b>Electrical</b>                              |                              |
| Current - Maximum per Contact                  | 2.5A, 30A                    |
| Voltage - Maximum                              | 250V DC                      |
| <b>Solder Process Data</b>                     |                              |
| Duration at Max. Process Temperature (seconds) | 10                           |
| Lead-free Process Capability                   | SMC & Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 3                            |
| Process Temperature max. C                     | 260                          |
| <b>Material Info</b>                           |                              |
| <b>Reference - Drawing Numbers</b>             |                              |
| Application Specification                      | AS-87631-018                 |
| Product Specification                          | PS-87631-006                 |
| Sales Drawing                                  | SD-87667-010                 |

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|                    |  |                                                            |             |                 |                                       |                                                                                                                               |                    |            |                                                                       |              |                        |  |  |
|--------------------|--|------------------------------------------------------------|-------------|-----------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|-----------------------------------------------------------------------|--------------|------------------------|--|--|
| PDR#S-001643-00-00 |  | 2007/08/17<br>2007/08/17<br>2007/08/20                     | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                                                                                               | DIMENSION STYLE    |            | SCALE                                                                 | DESIGN UNITS | THIRD ANGLE PROJECTION |  |  |
| EC NO: S2008-0094  |  |                                                            |             |                 | MM/IN                                 |                                                                                                                               | NTS                | METRIC     | ◎ □                                                                   |              |                        |  |  |
| DRWN:SKANG         |  |                                                            |             |                 | mm                                    | INCH                                                                                                                          | DRAWN BY           | DATE       | POWER CONNECTOR PLUG<br>S-P(B) CONFIGURATION<br>R/A, T/H, SCREW-MOUNT |              |                        |  |  |
| CHKD:ATSEE         |  |                                                            |             |                 | 4 PLACES ± ---                        | ± ---                                                                                                                         | BHLOW              | 2002/11/20 |                                                                       |              |                        |  |  |
| APPR:MLONG         |  |                                                            |             |                 | 3 PLACES ± ---                        | ± .010                                                                                                                        | CHECKED BY         | DATE       |                                                                       |              |                        |  |  |
| D5                 |  | 2 PLACES ± 0.25                                            |             | ± ---           | PTL IM                                | 2002/11/26                                                                                                                    | MOLEX INCORPORATED |            |                                                                       |              |                        |  |  |
|                    |  | 1 PLACE ± ---                                              |             | ± ---           | APPROVED BY                           | DATE                                                                                                                          |                    |            |                                                                       |              |                        |  |  |
|                    |  | ANGULAR ± 3 °                                              |             | SKTOH           | 2002/11/27                            |                                                                                                                               |                    |            |                                                                       |              |                        |  |  |
| REV                |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |             | MATERIAL NO.    |                                       | DOCUMENT NO.                                                                                                                  |                    | SHEET NO.  |                                                                       |              |                        |  |  |
|                    |  |                                                            |             | SEE TABLE       |                                       | SD-87667-010                                                                                                                  |                    | 2 OF 3     |                                                                       |              |                        |  |  |
|                    |  |                                                            |             | SIZE<br>A3      |                                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |            |                                                                       |              |                        |  |  |

