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**Part Number:** [0015445118](#)  
**Status:** **Active**  
**Overview:** [C-Grid Connector Products](#)  
**Description:** 2.54mm Pitch C-Grid Receptacle, Through Hole, Dual Row, High Profile, Vertical, High-Temperature, 18 Circuits

**Documents:**

|                                |  |
|--------------------------------|--|
| <a href="#">3D Model</a>       | <a href="#">Product Specification PS-70181-001 (PDF)</a>         |
| <a href="#">3D Model (PDF)</a> | <a href="#">Application Specification 713080001-AS-000 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>  | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

**Agency Certification**

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

**General**

|                |   |
|----------------|---|
| Product Family | PCB Receptacles                           |
| Series         | <a href="#">71850</a>                     |
| Application    | Board-to-Board, Signal                    |
| Overview       | <a href="#">C-Grid Connector Products</a> |
| Product Name   | C-Grid                                    |
| UPC            | 800754605618                              |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 18                             |
| Circuits (maximum)             | 18                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 50                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| Material - Metal               | Phosphor Bronze                |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PC Tail Length                 | 3.05mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.57mm                         |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 2.54mm                         |
| Pitch - Termination Interface  | 2.54mm                         |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 1.905µm                        |
| Polarized to PCB               | No                             |
| Temperature Range - Operating  | -40° to +105°C                 |
| Termination Interface: Style   | Through Hole                   |

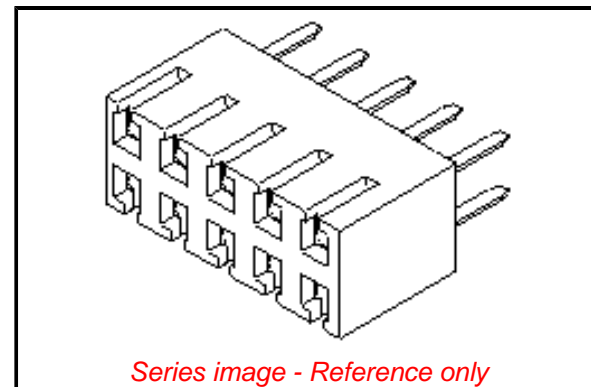
**Electrical**

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

**Solder Process Data**

|                              |          |
|------------------------------|----------|
| Lead-free Process Capability | SMC&WAVE |
| Process Temperature max. C   | 260      |

**Material Info**



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Not Reviewed**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Reviewed**

For more information, please visit [Contact US](#)

|            |              |
|------------|--------------|
| China ROHS | Not Reviewed |
|------------|--------------|

|     |              |
|-----|--------------|
| ELV | Not Relevant |
|-----|--------------|

|                 |              |
|-----------------|--------------|
| RoHS Phthalates | Not Reviewed |
|-----------------|--------------|

**Search Parts in this Series**

[71850 Series](#)

**Mates With**

C-Grid Breakaway Vertical Header [70287](#) , [71308](#) , [70280](#) <br> C-Grid Breakaway Right-Angle Header [71764](#) , [70216](#) <br> C-Grid Vertical Headers [70246](#) , [70567](#) , [70568](#) <br> C-Grid Right-Angle Headers [70247](#) , [70229](#) , [74162](#)

|                                    |                  |
|------------------------------------|------------------|
| Engineering Number                 | 71850-0200       |
| <b>Reference - Drawing Numbers</b> |                  |
| Application Specification          | 713080001-AS-000 |
| Product Specification              | PS-70181-001     |
| Sales Drawing                      | SDA-71850-0XXX   |

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