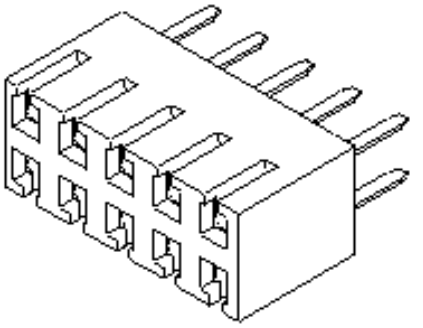
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**Part Number:** 0015445172
**Status:** Active
**Overview:** C-Grid® Products
**Description:** 2.54mm Pitch C-Grid Receptacle, Through Hole, Dual Row, High Profile, Vertical, High-Temperature, 72 Circuits



*Series image - Reference only*

**Documents:**

3D Model
Drawing (PDF)
Product Specification PS-70181-001 (PDF)
Product Specification TS-70541-001-001 (PDF)
RoHS Certificate of Compliance (PDF)

**Agency Certification**

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

**General**

| | |
|---|---|
| Product Family | PCB Receptacles |
| Series | 71850 |
| Application | Board-to-Board, Signal |
| Overview | C-Grid® Products |
| Product Name | C-Grid |
| UPC | 822348694617 |

**Physical**

| | |
|---|---|
| Circuits (Loaded) | 72 |
| Circuits (maximum) | 72 |
| Color - Resin | Black |
| Durability (mating cycles max) | 50 |
| Flammability | 94V-0 |
| Glow-Wire Compliant | 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°C to +105°C |
| Termination Interface: Style | Through Hole |

**Electrical**

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

**Solder Process Data**

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

**Material Info**

**EU ELV**
**Not Relevant**

**EU RoHS** **China RoHS**
**Not Reviewed**
**REACH SVHC**
Not Reviewed
**Halogen-Free Status**
**Not Reviewed**
**Need more information on product environmental compliance?**

Email productcompliance@molex.com
Please visit the Contact Us section for any non-product compliance questions.

| | |
|---|---|
| China ROHS | Not Reviewed |
| ELV | Not Relevant |
| RoHS Phthalates | Not Reviewed |

**Search Parts in this Series**
71850 Series

**Mates With**
8624 , 70203 , 70246 Straight Header, 70247 Right Angle Header, 70287 , 70289 , 70227 , 70567 , 70280 , 70524 , 70260 , 8723 , 70568 , 8724 , 71764 , 70229 , 70216, 71308

| | |
|---|---|
| Engineering Number | 71850-0227 |

**Reference - Drawing Numbers**

| | |
|---|---|
| Product Specification | PS-70181-001, TS-70541-001-001 |
| Sales Drawing | SDA-71850-0*** |

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