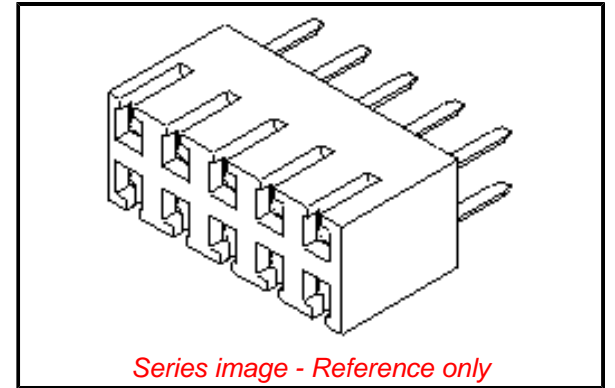


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Part Number: [0015446832](#)
Status: **Active**
Overview: [C-Grid Connector Products](#)
Description: 2.54mm Pitch C-Grid Receptacle, Through Hole, Dual Row, High Profile, Vertical, High-Temperature, 32 Circuits

Documents:

| | |
|--|--|
| 3D Model | Application Specification 713080001-AS-000 (PDF) |
| Drawing (PDF) | Packaging Specification PK-70873-0660-001 (PDF) |
| 3D Model (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-70181-001 (PDF) | |



Series image - Reference only

Agency Certification

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

General

| | |
|----------------|---|
| Product Family | PCB Receptacles |
| Series | 71850 |
| Application | Board-to-Board, Signal |
| Overview | C-Grid Connector Products |
| Product Name | C-Grid |
| UPC | 800754226745 |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 32 |
| Circuits (maximum) | 32 |
| Color - Resin | Black |
| Durability (mating cycles max) | 25 |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Tin |
| 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 |
| Plating min - Mating | 3.810µm |
| Plating min - Termination | 3.810µm |
| 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

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](#)
 C-Grid Breakaway Right-Angle Header [71764](#) , [70216](#)
 C-Grid Vertical Headers [70246](#) , [70567](#) , [70568](#)
 C-Grid Right-Angle Headers [70247](#) , [70229](#) , [74162](#)

| | |
|------------------------------------|--------------------|
| Engineering Number | 71850-0079 |
| Reference - Drawing Numbers | |
| Application Specification | 713080001-AS-000 |
| Packaging Specification | PK-70873-0660-001 |
| Product Specification | PS-70181-001 |
| Sales Drawing | SDA-71850-0XXX-001 |

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