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Part Number: [0015445124](#)
Status: **Active**
Overview: C-Grid Connector Products
Description: 2.54mm Pitch C-Grid Receptacle, Through Hole, Dual Row, High Profile, Vertical, High-Temperature, 24 Circuits

Documents:

| | |
|--------------------------------|------------------------------------------------------------------|
| 3D Model | Product Specification PS-70181-001 (PDF) |
| 3D Model (PDF) | Application Specification 713080001-AS-000 (PDF) |
| Drawing (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 Connector Products |
| Product Name | C-Grid |
| UPC | 800753781665 |

Physical

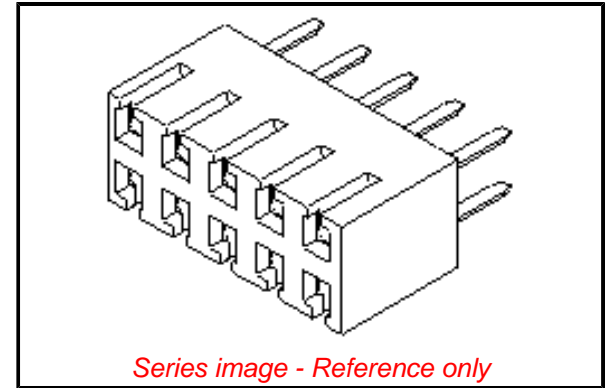
| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 24 |
| Circuits (maximum) | 24 |
| Color - Resin | Black |
| Durability (mating cycles max) | 50 |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 1.998/g |
| 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 |



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ECHA_01_2020 (16
January 2020

Halogen-Free

Status

Low-Halogen

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

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

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](#) , [70](#)
[216](#) , [71308](#)

Material Info

Engineering Number

71850-0203

Reference - Drawing Numbers

Application Specification

713080001-AS-000

Product Specification

PS-70181-001

Sales Drawing

SDA-71850-0XXX

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