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**Part Number:** [0015445820](#)  
**Status:** **Active**  
**Overview:** [C-Grid Connector Products](#)  
**Description:** 2.54mm Pitch C-Grid Receptacle, Through Hole, Dual Row, High Profile, Vertical, High-Temperature, 20 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-70181-001 \(PDF\)](#)  
[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 800754255172

**Physical**

Circuits (Loaded) 20  
 Circuits (maximum) 20  
 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 1.639/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  
 Plating min - Mating 0.381µm  
 Plating min - Termination 1.905µm  
 Polarized to PCB No  
 Temperature Range - Operating -40° to +105°C  
 Termination Interface: Style Through Hole

**Electrical**

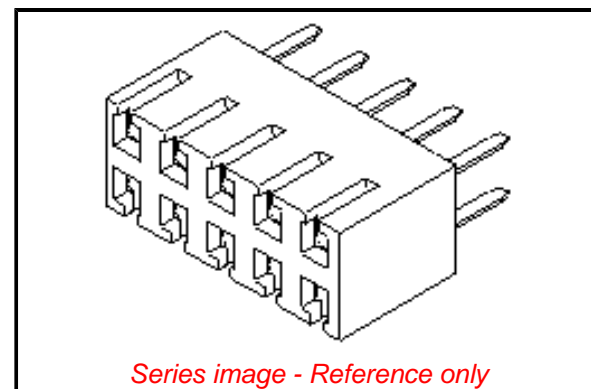
Current - Maximum per Contact 2.5A  
 Voltage - Maximum 250V

**Solder Process Data**

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

**Material Info**

Engineering Number A-71850-0137



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
 -ED/88/2018 (15  
 January 2019)

**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](#)

**Reference - Drawing Numbers**

Product Specification

Sales Drawing

PS-70181-001

SDA-71850-0XXX

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