

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0015446812](#)  
**Status:** **Active**  
**Overview:** [C-Grid Connector Products](#)  
**Description:** 2.54mm Pitch C-Grid Receptacle, Through Hole, Dual Row, High Profile, Vertical, High-Temperature, 12 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	800754226592

**Physical**

Circuits (Loaded)	12
Circuits (maximum)	12
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**

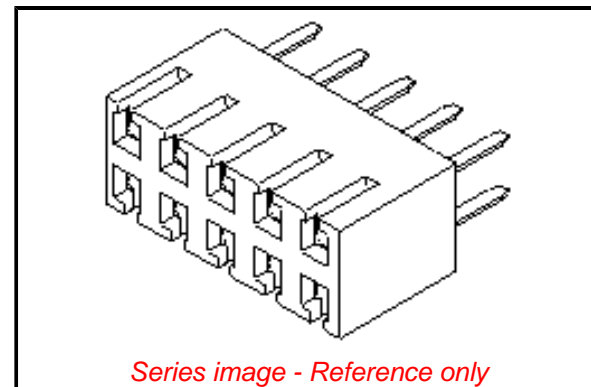
Current - Maximum per Contact	2.5A
Voltage - Maximum	250V

**Solder Process Data**

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

**Material Info**

Engineering Number	71850-0069
--------------------	------------



**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**

[8624](#) , [70203](#) , [70246](#) Straight Header, [70247](#) Right Angle Header, [70287](#) , [70289](#) , [70227](#) , [70567](#) , [70280](#) , [70524](#) , [70260](#) , [8723](#) , [70568](#) , [8724](#) , [71764](#) , [70229](#) , [70216](#) , [71308](#)

**Reference - Drawing Numbers**

Application Specification

Product Specification

Sales Drawing

713080001-AS-000

PS-70181-001

SDA-71850-0XXX

This document was generated on 03/27/2020

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[15-44-6812](#)