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**Part Number:** [0015445840](#)  
**Status:** **Active**  
**Overview:** C-Grid Connector Products  
**Description:** 2.54mm Pitch C-Grid Receptacle, Through Hole, Dual Row, High Profile, Vertical, High-Temperature, 40 Circuits

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Product Specification PS-70181-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification PK-70873-0660-001 (PDF)</a>
<a href="#">3D Model</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
Taxonomy	PCB Headers and Receptacles
UPC	800754226462

**Physical**

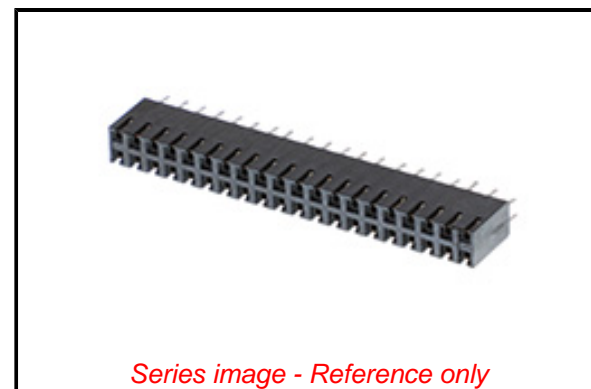
Circuits (Loaded)	40
Circuits (maximum)	40
Color - Resin	Black
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Capable	No
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	3.278/g
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



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**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**

C-Grid Vertical Header [70246](#) , [70567](#) ,  
[70568](#) . C-Grid Right-Angle Header [70247](#) ,  
[74162](#) . C-Grid Vertical Breakaway Header  
[70280](#) , [71308](#) , [70287](#) . C-Grid Right-Angle  
Breakaway Header [71764](#) , [70216](#)

**Material Info**

Engineering Number

A718500147

**Reference - Drawing Numbers**

Packaging Specification

PK-70873-0660-001

Product Specification

PS-70181-001

Sales Drawing

SDA-71850-0XXX-001

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