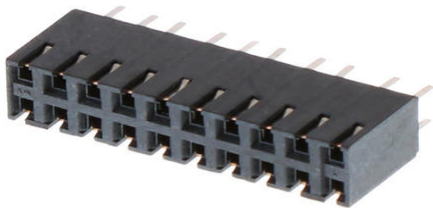




Part Number : [15445820](#)
Product Description : 2.54mm Pitch C-Grid
Receptacle, Through Hole, Dual Row, High Profile,
Vertical, High-Temperature, 20 Circuits
Series Number : 71850
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Part Number : A-71850-0137



Documents and Resources

Drawings

[015445820 sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

Specifications

[PS-70181-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

[Compliance Statements](#)

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	71850
Description	2.54mm Pitch C-Grid Receptacle, Through Hole, Dual Row, High Profile, Vertical, High-Temperature, 20 Circuits
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Name	C-Grid
UPC	800754255172

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Black
Durability (mating cycles max)	50
First Mate / Last Break	No
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
Packaging Type	Tray
PCB Locator	No
PCB Retention	No
PCB Thickness - Recommended	1.57mm
PC Tail Length	3.05mm
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

Solder Process Data

Lead-Free Process Capability	SMC&WAVE
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
C-Grid Vertical, Dual Row, Low	<u>70246</u>

Profile Headers	
C-Grid Vertical, Dual Row, Through Hole Headers without Peg	<u>70567</u>
C-Grid Vertical, Dual Row, Through Hole Headers with Peg	<u>70568</u>
C-Grid Right-Angle, Dual Row, Low Profile Headers	<u>70247</u>
C-Grid Right-Angle, Dual Row, Through Hole Headers	<u>74162</u>
C-Grid Vertical Dual Row Breakaway Headers	<u>70280</u>
C-Grid Vertical Dual Row Breakaway Headers with Retention Pin	<u>70287</u>
C-Grid Vertical, Dual Row, Surface Mount Breakaway Headers	<u>71308</u>
C-Grid Right-Angle Dual Row Breakaway Headers	<u>70216</u>
C-Grid Right-Angle, Dual Row, Low Profile, Breakaway Headers	<u>71764</u>