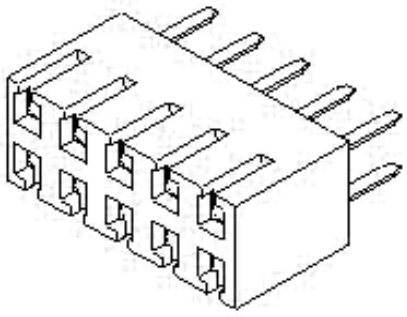
molex



Part Number : 15445180
Product Description : 2.54mm Pitch C-Grid Receptacle, Through Hole, Dual Row, High Profile, Vertical, High-Temperature, 80 Circuits
Series Number : 71850
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Part Number : 71850-0231

Documents and Resources

Drawings

015445180_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

713080001-AS-000.pdf

PS-70181-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
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)6375-DC (05 Nov 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

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- 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, 80 Circuits
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Name	C-Grid
UPC	822350924405

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	2.5A
Voltage - Maximum	500V AC (RMS)

Physical

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Circuits (Loaded)	80
Circuits (maximum)	80
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	6.662/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.57mm
PC Tail Length	3.05mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	0.762µm
Plating min - Termination	1.905µm
Polarized to Mating Part	No
Polarized to PCB	No
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	40
Lead-Free Process Capability	SMC&WAVE
Max-Cycle	3
Max-Temp	260

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Mates With / Use With

Mates with Part(s)

Description	Part Number
C-Grid Vertical, Dual Row, Low Profile Headers	70246
C-Grid Vertical, Dual Row, Through Hole Headers without Peg	70567
C-Grid Vertical, Dual Row, Through Hole Headers with Peg	70568
C-Grid Right-Angle, Dual Row, Low Profile Headers	70247
C-Grid Right-Angle, Dual Row, Through Hole Headers	74162
C-Grid Vertical Dual Row Breakaway Headers	70280
C-Grid Vertical Dual Row Breakaway Headers with Retention Pin	70287
C-Grid Vertical, Dual Row, Surface Mount Breakaway Headers	71308
C-Grid Right-Angle Dual Row Breakaway Headers	70216
C-Grid Right-Angle, Dual Row, Low Profile, Breakaway Headers	71764

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