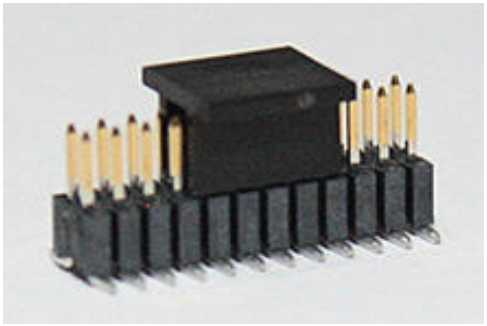
molex



Part Number : 879331219
Product Description : Slim-Grid Header, 12 Circuits, Surface Mount, Vertical, Unshrouded, 0.05µm Overall Gold (Au) Plated, with Pick-and-Place Cap, Tube, Lead-Free
Series Number : 87933
Status : Active
Product Category : Board-to-Board Connectors

Documents & Resources

Drawings

879331219_sd.pdf

PK-89990-565-000.pdf

Symbol and Footprint (Multi-Format)

Specifications

879330001-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 34; 33; 44
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(2024)7663-DC (21 Jan 2025)
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	Board-to-Board Connectors
Series	87933
Description	Slim-Grid Header, 12 Circuits, Surface Mount, Vertical, Unshrouded, 0.05µm Overall Gold (Au) Plated, with Pick-and-Place Cap, Tube, Lead-Free
Application	Board-to-Board, Signal
Comments	4.3 Amps per Pole with only 1 contact powered up; 1.4 Amps per Pole with max contacts powered up
Component Type	PCB Header
Product Name	Slim-Grid
UPC	191128087780

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	1.4A
Voltage - Maximum	125V AC

Physical

Breakaway	Yes
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Black
Durability (mating cycles max)	500
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Liquid Crystal Polymer
Net Weight	0.204/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tube
PCB Locator	No
PCB Retention	None
Pitch - Mating Interface	1.27mm
Pitch - Termination Interface	1.27mm
Plating min - Mating	0.051µm
Plating min - Termination	0.051µm
Polarized to Mating Part	No
Polarized to PCB	No
Robotic Placement	Pick and Place Cap
Shrouded	No
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Surface Mount

Solder Process Data

Max-Duration	11
Lead-Free Process Capability	REFLOW

Max-Cycle	1
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
Slim-Grid Vertical Receptacles	78120