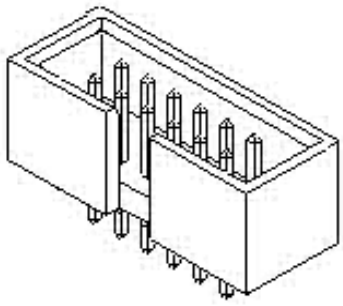
molex



Part Number : 878341041
Product Description : 2.54mm Pitch C-Grid Header, Dual Row, Low Profile, Vertical, Shrouded, without PCB Locator, without End Window, 0.13µm Gold (Au) Flash Plating, Nylon Housing, 10 Circuits, Lead-Free
Series Number : 87834
Status : Active
Product Category : PCB Headers and Receptacles

Documents and Resources

Drawings

878341041_sd.pdf

PK-87835-001-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

713080001-AS-000.pdf

PS-70246-100-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33; 34
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not 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	87834
Description	2.54mm Pitch C-Grid Header, Dual Row, Low Profile, Vertical, Shrouded, without PCB Locator, without End Window, 0.13µm Gold (Au) Flash Plating, Nylon Housing, 10 Circuits, Lead-Free
Application	Wire-to-Board
Component Type	PCB Header
Product Name	C-Grid
UPC	822348363582

Agency

UL	E29179

Electrical

Current - Maximum per Contact	2.5A

Voltage - Maximum	250V DC

Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Natural
First Mate / Last Break	No
Gender	Male
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	Yes
Lock to Mating Part	No
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Mounting Style	Through Hole
Net Weight	1.785/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	No
PC Tail Length	3.43mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	0.127µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Shrouded
Stackable	No
Temperature Range - Operating	-55° to +120°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	265

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	1.27mm Pitch Ribbon Cable Connectors