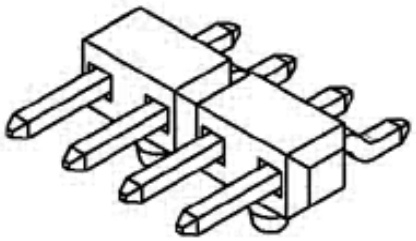
Part Number : 878580450
Product Description : 2.00mm Pitch Milli-Grid Breakaway Header, Surface Mount, Single Row, Parallel, without Peg, with Pick-and-Place Polyimide Tape, Tape on Reel Packaging, Mating Pin Length 3.20mm , 4 Circuits, Lead-Free
Series Number : 87858
Status : Active
Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

878580450_sd.pdf

PK-87858-300-000.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

503940001-AS-000.pdf

PS-87761-100-001.pdf

877610000-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 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)

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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	87858
Description	2.00mm Pitch Milli-Grid Breakaway Header, Surface Mount, Single Row, Parallel, without Peg, with Pick-and-Place Polyimide Tape, Tape on Reel Packaging, Mating Pin Length 3.20mm , 4 Circuits, Lead-Free
Application	Wire-to-Board
Component Type	PCB Header
Product Name	Milli-Grid
UPC	883906047825

Agency

UL	E29179

Electrical

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Current - Maximum per Contact	2.0A
Voltage - Maximum	125V

Physical

Breakaway	Yes
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
First Mate / Last Break	No
Flammability	94V-0
Gender	Male
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	No
Lock to Mating Part	No
Mated Height	3.20mm
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.113/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
PCB Locator	Yes
PCB Retention	No
PCB Thickness - Recommended	1.60mm
PC Tail Length	2.80mm
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Polarized to Mating Part	No
Polarized to PCB	Yes
Shrouded	Unshrouded

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Stackable	No
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Surface Mount

Solder Process Data

Max-Duration	10
Lead-Free Process Capability	REFLOW
Max-Cycle	3
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	2.00mm Single Row Receptacles

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