



Part Number : [780461020](#)

Product Description : 2.00mm Pitch Milli-Grid Header, Right-Angle, Through Hole, Shrouded, 10 Circuits, 0.38µm Gold (Au) Plating, with 2 Side Locking Slots, Center Polarization Window, Tube, Lead-Free

Series Number : 78046

Status : Active

Product Category : PCB Headers and Receptacles

Documents and Resources

Drawings

[780461020 sd.pdf](#)

[PK-87831-001-001.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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


Specifications

[503940001-AS-000.pdf](#)

[PS-78046-001-001.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	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
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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	78046
Description	2.00mm Pitch Milli-Grid Header, Right-Angle, Through Hole, Shrouded, 10 Circuits, 0.38µm Gold (Au) Plating, with 2 Side Locking Slots, Center Polarization Window, Tube, Lead-Free
Application	Wire-to-Board
Comments	Without Cap
Component Type	PCB Header
Product Name	Milli-Grid
UPC	883906902407

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	2.00A
Voltage - Maximum	125V DC

Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
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	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Mounting Style	Through Hole
Net Weight	0.588/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tube
PCB Locator	No
PCB Retention	No
PC Tail Length	2.16mm
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Plating min - Mating	0.381µm
Plating min - Termination	1.905µm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	Shrouded

Stackable	No
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	10
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
Milli-Grid Receptacle Housings	<u>78045</u>

Use with Part(s)

Description	Part Number
Milli-Grid Female Crimp Terminals	<u>50394</u>

This document was generated on May 20, 2026