



Part Number : 877612001

Product Description : Milli-Grid Header, Dual Row Dual Body, Through Hole, Vertical, 20 Circuits, 0.75µm Gold (Au) Selective Plating, 14.50mm Stacking Height, Tray Packaging, Lead-Free

Series Number : 87761

Status : Active

Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

Drawing 877612001_sd.pdf

Packaging Design Drawing PK-87761-001-001.pdf

Packaging Design Drawing PK-89990-487-001.pdf

3D Models and Design Files

3D Model 877612001_stp.zip

Specifications


Application Specification 503940001-AS-000.pdf

Product Specification PS-87761-100-001.pdf

Test Summary 877610000-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 33; 44; 34
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	87761
Description	Milli-Grid Header, Dual Row Dual Body, Through Hole, Vertical, 20 Circuits, 0.75µm Gold (Au) Selective Plating, 14.50mm Stacking Height, Tray Packaging, Lead-Free
Application	Board-to-Board, Signal
Component Type	PCB Header
Product Family	Milli-Grid Connector System
Product Name	Dual Body,Milli-Grid
UPC	884982155275

Agency

UL	E29179
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Electrical

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

Physical

Breakaway	Yes
Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Black
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
Mated Height	2.50mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	1.063/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	None
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Plating min - Mating	0.762µm
Plating min - Termination	2.032µm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
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	3
Max-Temp	250

Mates With / Use With

Mates with Part(s)

Description	Part Number
Milli-Grid Top/Bottom Entry Surface Mount PCB Receptacles	<u>79109</u>

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