



Part Number : [791091104](#)

Product Description : Milli-Grid Receptacle, Surface Mount, Vertical, Top/Bottom Entry, without Press-fit Plastic Pegs, without Cap, Tube, 0.13µm Gold (Au) Selective, 10 Circuits, Lead-Free

Series Number : 79109

Status : Active

Product Category : PCB Headers and Receptacles



Documents & Resources

Drawings

- [Drawing 791091104_sd.pdf](#)
- [Packaging Design Drawing PK-70873-0217-001.pdf](#)
- [Packaging Design Drawing PK-70873-0259-001.pdf](#)

3D Models and Design Files

- [3D Model 791091104_stp.zip](#)

Specifications

- [Application Specification 503940001-AS-000.pdf](#)
- [Product Specification PS-79107-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
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	79109
Description	Milli-Grid Receptacle, Surface Mount, Vertical, Top/Bottom Entry, without Press-fit Plastic Pegs, without Cap, Tube, 0.13µm Gold (Au) Selective, 10 Circuits, Lead-Free
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Family	Milli-Grid Connector System
Product Name	Milli-Grid
UPC	884982810068

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	1.0A
Voltage - Maximum	125V

Physical

Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Black
Durability (mating cycles max)	50

Flammability	94V-0
Glow-Wire Capable	No
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.606/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tube
PCB Locator	No
PCB Retention	None
Pitch - Mating Interface	2.00mm
Plating min - Mating	0.127µm
Plating min - Termination	1.905µm
Polarized to PCB	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	1
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
Milli-Grid Vertical Through Hole Headers	<u>87758</u>
Milli-Grid Vertical Surface Mount Headers	<u>87759</u>
Milli-Grid Right-Angle Through Hole Headers	<u>87760</u>

Milli-Grid Vertical, Dual Row, Through Hole Headers	<u>87831</u>
Milli-Grid Vertical, Dual Row, Surface Mount Headers	<u>87832</u>
Milli-Grid Right-Angle Dual Row Through Hole Headers	<u>87833</u>
Milli-Grid Vertical, Dual Row, Through Hole Headers	<u>151117</u>
Milli-Grid Vertical, Dual Row, Surface Mount Headers	<u>151118</u>
Milli-Grid Right-Angle, Dual Row, Through Hole Headers	<u>151119</u>
Milli-Grid Right-Angle, Dual Row, Surface Mount Headers	<u>151120</u>