

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0877594850](#)
Status: **Active**
Overview: [Milli-Grid Connector System](#)
Description: Milli-Grid Header, Surface Mount, Vertical, 48 Circuits, 0.38µm Gold (Au) Selective Plating, with Press-fit Plastic Pegs, Lead-Free

Documents:

3D Model	Application Specification 503940001-AS-000 (PDF)
Drawing (PDF)	Packaging Specification PK-89990-475-001 (PDF)
Product Specification PS-87761-100-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

UL E29179

General

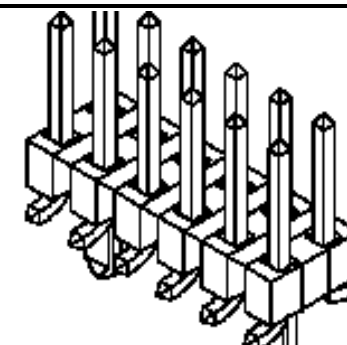
Product Family	PCB Headers
Series	87759
Application	Board-to-Board, Signal
Overview	Milli-Grid Connector System
Product Name	Milli-Grid
UPC	822348311828

Physical

Breakaway	Yes
Circuits (Loaded)	48
Circuits (maximum)	48
Color - Resin	Black
Durability (mating cycles max)	100
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	3.80mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.198/g
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	None
Packaging Type	Tube
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Plating min - Mating	0.381µm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	Yes
Temperature Range - Operating	-55° to +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact 2.0A



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[87759](#) Series

Mates With

Milli-Grid Vertical Through Hole Receptacle [79107](#) , [78787](#) , Milli-Grid Flex-to-Board Vertical Receptacle [79108](#) , Milli-Grid Vertical Surface Mount Receptacle [79109](#) , [78788](#) , Milli-Grid Top Entry Surface Mount Receptacle [87381](#) , Milli-Grid Crimp Housing [51110](#)

Voltage - Maximum 125V

Solder Process Data

Duration at Max. Process Temperature (seconds) 010

Lead-free Process Capability REFLOW

Max. Cycles at Max. Process Temperature 003

Process Temperature max. C 260

Material Info

Reference - Drawing Numbers

Application Specification 503940001-AS-000

Packaging Specification PK-89990-475-001

Product Specification PS-87761-100-001

Sales Drawing SD-87759-113-001

This document was generated on 08/30/2021

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION