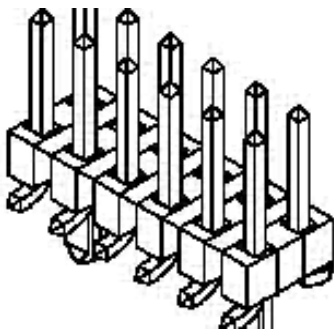




**Part Number :** [877590851](#)  
**Product Description :** Milli-Grid Header, Surface Mount, Vertical, 8 Circuits, 0.76µm Gold (Au) Selective Plating, with Press-fit Plastic Pegs, Lead-Free  
**Series Number :** 87759  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

[877590851\\_sd.pdf](#)  
[PK-89990-475-001.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	Not Relevant
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)4165-DC (25 June 2025)
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	87759
Description	Milli-Grid Header, Surface Mount, Vertical, 8 Circuits, 0.76µm Gold (Au) Selective Plating, with Press-fit Plastic Pegs, Lead-Free
Application	Board-to-Board, Signal
Component Type	PCB Header
Product Name	Milli-Grid
UPC	822348311170

### Agency

UL	E29179
----	--------

### Electrical

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

### Physical

Breakaway	Yes
Circuits (Loaded)	8
Circuits (maximum)	8
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	199.524/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Tube
PCB Locator	Yes
PCB Retention	None
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Plating min - Mating	0.762µm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	Yes
Temperature Range - Operating	-55° to +125°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
Milli-Grid Dual Row Receptacle Housings	<u>51110</u>
Milli-Grid Vertical Through Hole PCB Receptacles	<u>78787</u>
Milli-Grid Top Entry Surface Mount PCB Receptacles	<u>78788</u>
Milli-Grid Vertical Through Hole PCB Receptacles	<u>79107</u>
Milli-Grid Vertical Through Hole PCB Receptacles	<u>79108</u>
Milli-Grid Top/Bottom Entry Surface Mount PCB Receptacles	<u>79109</u>
Milli-Grid Top Entry Surface Mount PCB Receptacles	<u>87381</u>

---

This document was generated on Sep 29, 2025