

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: **0877591615**
Status: **Active**
Overview: Milli-Grid Connector System
Description: Milli-Grid Header, Surface Mount, Vertical, 16 Circuits, 0.76µm Gold (Au) Selective Plating, without 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

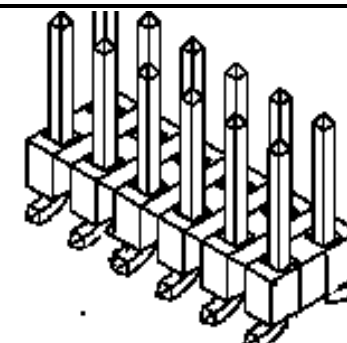
Product Family	PCB Headers
Series	<u>87759</u>
Application	Board-to-Board, Signal
Overview	<u>Milli-Grid Connector System</u>
Product Name	Milli-Grid
UPC	822348311347

Physical

Breakaway	Yes
Circuits (Loaded)	16
Circuits (maximum)	16
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	0.406/g
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Tube
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 +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact 2.0A



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Not Reviewed

REACH SVHC

Not Contained Per
-ED/01/2018 (15
January 2018)

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-87759-117-001

This document was generated on 05/22/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION