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Part Number: [0877594050](#)
Status: **Active**
Overview: [Milli-Grid Connector System](#)
Description: [Milli-Grid Header, Surface Mount, Vertical, 40 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

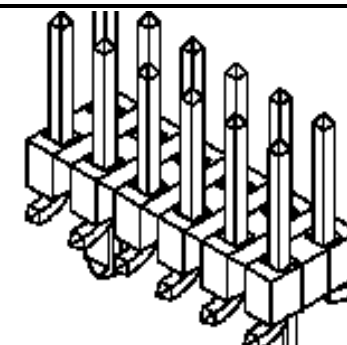
General

Product Family	PCB Headers
Series	87759
Application	Board-to-Board, Signal
Overview	Milli-Grid Connector System
Product Name	Milli-Grid
Taxonomy	PCB Headers and Receptacles
UPC	822348283705

Physical

Breakaway	Yes
Circuits (Loaded)	40
Circuits (maximum)	40
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	1.001/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 +125°C
Termination Interface: Style	Surface Mount

Electrical



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
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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](#)

Current - Maximum per Contact	2.0A
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

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