

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0878580450](#)  
**Status:** **Active**  
**Overview:** Milli-Grid Connector System  
**Description:** 2.00mm Pitch Milli-Grid Breakaway Header, Surface Mount, Single Row, Vertical, without Peg, with Pick-and-Place Polyimide Tape, Tape on Reel Packaging, Mating Pin Length 3.20mm , 4 Circuits, Lead-Free

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification 503940001-AS-000 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification PK-87858-300-000 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary 877610000-TS-000 (PDF)</a>
<a href="#">Product Specification PS-87761-100-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

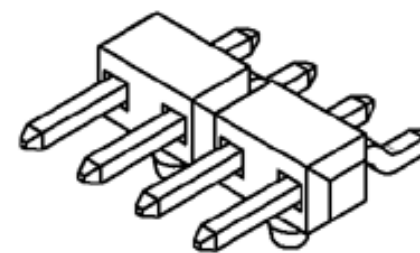
UL E29179

**General**

Product Family	PCB Headers
Series	<a href="#">87858</a>
Application	Signal, Wire-to-Board
Component Type	PCB Header
Overview	<a href="#">Milli-Grid Connector System</a>
Product Name	Milli-Grid
Taxonomy	PCB Headers and Receptacles
UPC	883906047825

**Physical**

Breakaway	Yes
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
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	3.20mm
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.113/g
Number of Rows	1
Orientation	Parallel
PC Tail Length	2.80mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Plating min - Mating	2.540µm
Polarized to Mating Part	No
Polarized to PCB	Yes
Shrouded	No
Stackable	No



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[87858 Series](#)

**Mates With**

2.00mm Single Row Receptacles

Temperature Range - Operating	-55° to +105°C
Termination Interface: Style	Surface Mount

**Electrical**

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-87858-300-000
Product Specification	PS-87761-100-001
Sales Drawing	SD-87858-001-001
Test Summary	877610000-TS-000

This document was generated on 01/04/2023

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**