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Part Number: [0878330651](#)

Status: **Active**

Overview:

Description: 2.00mm Pitch, Milli-Grid PCB Header, Dual Row, Right-Angle, Through Hole, 6 Circuits, 0.38µm Gold (Au) Plating, without PCB Locator, with Locking Window, without Center Polarization Slot, with Pick-and-Place Polyimide Tape, Tape and Reel

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	87833
Application	Signal, Wire-to-Board
Comments	Contact Molex for application in automotive industry
Overview	milligrd
Product Name	Milli-Grid
Taxonomy	PCB Headers and Receptacles
UPC	822350700085

Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
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	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	0.356/g
Number of Rows	2
Orientation	Right Angle
PC Tail Length	2.16mm
PCB Locator	No
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	0.381µm
Plating min - Termination	1.905µm
Polarized to PCB	No
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55° to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	2.0A
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EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

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

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

[87833](#) 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 Crimp Housing [51110](#) , Milli-Grid Cable-to-Board Receptacle [87568](#)

Voltage - Maximum 125V

Solder Process Data

Duration at Max. Process Temperature (seconds) 011
Lead-free Process Capability SMC&WAVE
Max. Cycles at Max. Process Temperature 001
Process Temperature max. C 265

Material Info

Reference - Drawing Numbers

Application Specification 503940001-AS-000
Packaging Specification PK-87831-001-001, PK-87831-002-001,
PK-87831-300-001
Product Specification PS-87831-027-001
Sales Drawing SD-87833-0001-001

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