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Part Number: [0878325020](#)
Status: **Active**
Overview: [Milli-Grid Connector System](#)
Description: Milli-Grid Header, Surface Mount, Vertical, Shrouded, Lead-Free, 50 Circuits, 0.38µm Gold (Au) Plating, with Locking Windows and Centre Polarization Slot, PCB Locator, Tube

Documents:

[3D Model](#) [Packaging Specification PK-87831-001-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-87831-027-001 \(PDF\)](#)

Agency Certification

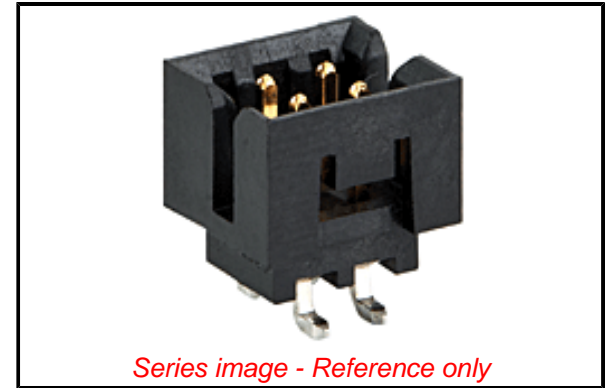
CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [87832](#)
 Application Signal, Wire-to-Board
 Comments Contact Molex for application in automotive industry,
 Contact Molex for application in automotive industry
 Overview [Milli-Grid Connector System](#)
 Product Name Milli-Grid
 UPC 822348273300

Physical

Breakaway No
 Circuits (Loaded) 50
 Circuits (maximum) 50
 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 Yes
 Lock to Mating Part Yes
 Material - Metal Phosphor Bronze
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin Nylon
 Net Weight 2.172/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 0.381µm
 Plating min - Termination 1.905µm
 Polarized to PCB No
 Robotic Placement Pick and Place Cap
 Shrouded Fully
 Stackable No
 Surface Mount Compatible (SMC) Yes



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
 -ED/88/2018 (15
 January 2019)

Halogen-Free

Status

Not 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

[87832 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](#)

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	001
Process Temperature max. C	260

Material Info**Reference - Drawing Numbers**

Packaging Specification	PK-87831-001-001
Product Specification	PS-87831-027-001
Sales Drawing	SD-87832-0001-001

This document was generated on 03/18/2019

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