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Part Number: **0878335020**
Status: **Active**
Overview: Milli-Grid™ Connector System
Description: Milli-Grid™ Header, Right Angle, Shrouded, Lead-Free, 50 Circuits, 0.38µm Gold (Au) Plating, without PCB Locator, with Locking Windows, Center Polarization Slot, 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 87833
 Application Signal, Wire-to-Board
 Comments Contact Molex for application in automotive industry
 Overview Milli-Grid™ Connector System
 Product Name Milli-Grid™
 UPC 822348274819

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 Compliant 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 2.546/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 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
 Shrouded Fully
 Stackable No
 Surface Mount Compatible (SMC) Yes
 Temperature Range - Operating -55°C to +105°C



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/30/2017 (7 July
 2017)

Halogen-Free

Status

Not Low-Halogen

**Need more information on product
 environmental compliance?**

Email productcompliance@molex.com
 Please visit the [Contact Us](#) section for any
 non-product compliance questions.

China ROHS Green Image
 ELV Not Relevant
 RoHS Phthalates 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

Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 2.0A

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

Packaging Specification PK-87831-001-001

Product Specification PS-87831-027-001

Sales Drawing SD-87833-0001-001

This document was generated on 08/29/2017

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