

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0878334020](#)

Status: **Active**

Overview: [Milli-Grid™ Connector System](#)

Description: Milli-Grid™ Header, Right Angle, Shrouded, Lead-Free, 40 Circuits, 0.38µm Gold (Au) Plating, without PCB Locator, with Locking Windows, Center Polarization Slot, Tube

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-87831-027 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980

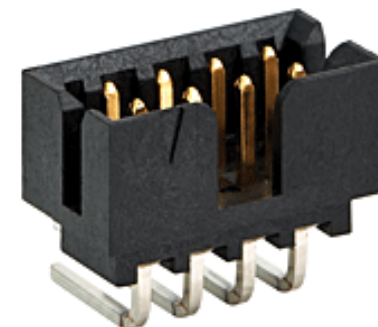
UL E29179

General

| | |
|----------------|------------------------------------------------------|
| Product Family | PCB Headers |
| Series | 87833 |
| Application | Signal, Wire-to-Board |
| Comments | Contact Molex for application in automotive industry |
| MolexKits | Yes |
| Overview | Milli-Grid™ Connector System |
| Product Name | Milli-Grid™ |
| UPC | 822348274796 |

Physical

| | |
|--------------------------------|-----------------|
| Breakaway | No |
| Circuits (Loaded) | 40 |
| Circuits (maximum) | 40 |
| 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 | 2.049/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/79/2015 (17
December 2015)

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

ELV

Green Image

Not Relevant

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-freeProcess Capability SMC&WAVE
Max. Cycles at Max. Process Temperature 001
Process Temperature max. C 265

Material Info

Reference - Drawing Numbers

Product Specification PS-87831-027
Sales Drawing SD-87833-0001

This document was generated on 03/02/2016

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION