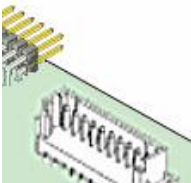


Datasheet
PCB Headers



[Home > Products > PCB Headers > Datasheet]

Switch Language

English

87833-1420

- Datasheet
- Drawing (PDF)
- Product Specification (PDF)
- 3D Model (CAD)

Need Assistance?

- Contact Us
- Find a Distributor
- Order Samples
- Tech Library
- RoHS / Lead-Free Information

87833-1420

2.00mm (.079") Pitch Milli-Grid™ Header, Right Angle, Shrouded, Lead-free, 14 Circuits, 0.38μm (15μ") Gold (Au) Plating, without PCB Locator, with Locking Windows, Center Polarization Slot, Tube

View all parts in series 87833	E-mail this page	Samples	Buy
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Status	Active
Orientation	Right Angle
Pitch / Center Spacing	2.00mm (.079")
Circuits / Positions	14
Rows	2
Product Name	Milli-Grid™
Stackable	No
Breakaway	No
Shrouded	Yes
Pin Header	Yes

RELATED PRODUCTS

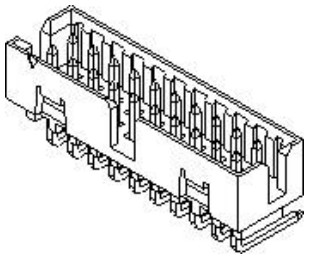
Polarized to Mating Part	Center Slot, Side Slots (2)
Lock to Mating Part	Windows (2)
Mates With	50394 Wire-to-Board Terminals, 51110 Wire-to-Board Crimp Housing, 79107 Board-to-Board Top Entry Through Hole Receptacle, 79108 Board-to-Board FFC/FPC Top Entry Through Hole Receptacle, 79109 Board-to-Board Top/Bottom Entry SMT Receptacle, 87381 Board-to-Board Top Entry SMT Receptacle, 87568 Wire-to-Board IDT Housings

MOUNTING

PCB Mounting	Through Hole
Surface Mount Compatible (SMC)	Yes
Polarized to PCB	No
PCB Retention	None
PCB Locator	No
PCB Thickness	1.6mm (.062")
PC Tail Length	2.16mm (.085")
Staggered Tails	No
PCB Layout	Dual Row Grid

ELECTRICAL

Current-max [amps]	2.0A
Voltage-max [volts]	125V
Withstanding Voltage	1000V AC
Contact Resistance [ohms]	30 milliohms max.



ENVIRONMENT

RoHS Status	ELV and RoHS Compliant
Lead-free Process Capability	SMC & Wave Capable (TH only)
Process Temperature max. (C)	260

Features and Benefits

- Fully shrouded to protect pins during mating/unmating
 - Center slot for polarization
 - Front windows for mechanical locking
 - Center polarization slot (8 to 12 circuits)
 - Center polarization slot and front windows (14 to 50 circuits)
- Contact Molex for application in automotive industry**

<u>Insulation Resistance [ohms]</u>	1000 Megohms min.
PHYSICAL	
<u>Housing Material</u>	PA Polyamide (Nylon) 4/6
<u>Color</u>	Black
<u>Flammability</u>	UL 94V-0
<u>Contact</u>	Phosphor Bronze (CuSn)
<u>Plating Contact</u>	0.38µm (15µ") Gold (Au)
<u>Plating Tail</u>	Tin (Sn)
<u>Under Plating</u>	Nickel (Ni)
<u>Durability [mating cycles] min.</u>	100 cycles
<u>Temperature Range</u>	-55°C to +105°C
Contact Retention Force-min. (per circuit)	8.32N (1.87 lb)
<u>Pin Size</u>	0.50mm (.020"), Square
<u>Designed In</u>	Millimeters
REFERENCE	
<u>Product Specification</u>	PS-87831-027
<u>Packaging</u>	Tube
<u>Comment</u>	Contact Molex for application in automotive industry
<u>UL File Number</u>	E29179
<u>CSA File Number</u>	LR19980
<u>990 Catalog Page</u>	A-23
<u>Molex Series</u>	87833

☐ **For all product dimensions, please refer to Drawing (PDF).**