

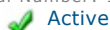


1871843-2 Product Details



1871843-2

TE Internal Number: 1871843-2



2, 2.5, 3.3, 3.5, 3.96 & 6.2 Centerline 600 V, 12 A max.

 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Grace Inertia Connector Product Line
- Wire-to-Board
- Applies To Printed Circuit Board
- Glow Wire Rating = Standard Part - Not Glow Wire
- Connector

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Documentation & Additional Information

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Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- Product Line = Grace Inertia Connector
- Product Type = Connector
- Connector Type = Header
- PCB Mounting Orientation = Vertical
- PCB Mount Retention = With
- PCB Mount Retention Type = Kinked
- PCB Mount Alignment = With
- PCB Mount Alignment Type = Locating Post(s)
- Sealed = No

Mechanical Attachment:

- Mating Retention Type = Latching

Electrical Characteristics:

- Contact - Rated Current (A) = 1.5 - 2.7
- Operating Voltage Reference = AC/DC
- Operating Voltage (VAC) = 50
- Operating Voltage (VDC) = 50

Termination Features:

- Termination Method to Wire/Cable = Solder
- Termination Method to PC Board = Through Hole - Solder

Dimensions:

- Tab Width (mm [in]) = 0.7 [0.0276]
- Tail Length (mm [in]) = 3 [0.118]
- PCB Thickness, Recommended (mm [in]) = 1.60 [0.063]

Body Features:

- Mating Retention = With

Contact Features:

- Contact Type = Tab
- Contact Layout = In-Line
- Contact Base Material = Brass
- Contact Plating, Mating Area, Material = Tin
- Contact Plating, Mating Area, Thickness (µm [µin]) = 1 [39.37]
- Multiple Contact Types = Without
- Tail Plating Material = Tin
- Tail Plating Thickness (µm [µin]) = 1 [39.37]
- Underplate Material = Nickel
- Underplate Material Thickness (µm [µin]) = 1.27 [50.000]

Housing Features:

- Connector Style = Plug
- Centerline (mm [in]) = 2.50 [0.098]
- Housing Material = Nylon 6/6 GF
- Housing Color = Natural
- Mating Alignment = With
- Mating Alignment Type = Polarization

Configuration Features:

- Number of Positions = 2
- Number of Rows = 1

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS compliant
- UL Flammability Rating = UL 94V-0

Environmental:

- Operating Temperature (°C [°F]) = -30 - +105 [-22 - +221]

Conditions for Usage:

- Applies To = Printed Circuit Board
- Glow Wire Rating = Standard Part - Not Glow Wire
- For Use With = Mates with (x-1747066-2)

Operation/Application:

- Application Use = Wire-to-Board
- Contact Transmits (Typical Application) = Signal (Data)

Packaging Features:

- Packaging Method = Bag
- Packaging Quantity = 400

Other:

- Brand = TE Connectivity

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