



1747996-1 Product Details

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1747996-1

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:

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

[View all Features](#)

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TE Internal Number: 1747996-1

Active

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Documentation & Additional Information

Product Drawings:

- [GRACE HI CURRENT CONNECTOR\(GHC\) EYELET 12.4 MM PITCH...](#) (PDF, English)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- [GRACE HI-CURRENT CONNECTOR 12.4MM EYELET](#) (PDF, Japanese)

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version F)
- [3D Model](#) (IGES, Version F)
- [3D Model](#) (STEP, Version F)

Related Products:

- [Tooling](#)
- [Mating Products \(1\)](#)

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

Product Type Features:

- Product Line = Universal Power
- Product Type = Connector
- Connector Type = Header
- PCB Mounting Orientation = Vertical
- PCB Mount Retention = With
- PCB Mount Retention Type = Boardlock(s)
- Sealed = No

Mechanical Attachment:

- Mating Retention Type = Latching

Electrical Characteristics:

- Contact - Rated Current (A) = 10 - 20
- Operating Voltage Reference = AC/DC
- Operating Voltage (VAC) = 600
- Operating Voltage (VDC) = 600

Termination Features:

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

Dimensions:

- Tab Width (mm [in]) = 3.1 [0.122]
- Tail Length (mm [in]) = 3.1 [0.122]

Body Features:

- Mating Retention = With

Housing Features:

- Connector Style = Plug
- Centerline (mm [in]) = 12.40 [0.488]
- Housing Material = Nylon 6/6 GF
- Housing Color = Natural
- Mating Alignment = With
- Mating Alignment Type = Keyed

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

Identification Marking:

- Keying = A

Environmental:

- Operating Temperature (°C [°F]) = -30 - +105 [-22 - +211]

Conditions for Usage:

- Applies To = Printed Circuit Board
- Glow Wire Rating = Standard Part - Not Glow Wire
- For Use With = Plug Housing

Feedback

Contact Features:

- Contact Type = Tab
- Contact Layout = In-Line
- Contact Base Material = Copper Alloy
- Contact Plating, Mating Area, Material = Tin
- Multiple Contact Types = Without
- Tail Plating Material = Tin

Operation/Application:

- Application Use = Wire-to-Board

Packaging Features:

- Packaging Method = Bag
- Packaging Quantity = 150

Other:

- Brand = AMP
- Comment = High current

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