



# 1909782-3 Product Details

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## High Performance Interconnects (HPI)

BOARD TO WIRE WAFER 1.2MM TOP ENTRY  
**1909782-3**

TE Internal Number: 1909782-3

✔ Active

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**Product Highlights** [View All](#)

- Connector
- HPI Product Line
- Header
- Wire-to-Board
- Connector Style = Plug

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**Please Note:**

Use the Product Drawing for all design activity

**Product Type Features**

Product Type	Connector
Product Line	HPI
Connector Type	Header
Wire/Cable Type	Discrete Wire
Mount Angle	Right Angle
PCB Mounting Orientation	Right Angle
PCB Mount Alignment	Without
PCB Mount Retention	With
Shape	Rectangular
PCB Mount Retention Type	Solder Pads
Wire Size (mm <sup>2</sup> [AWG])	28 AWG
Sealed	No

**Electrical Characteristics**

Contact - Rated Current (A)	2
Operating Voltage Reference	AC
Operating Voltage (VAC)	50
Operating Voltage (VDC)	50

**Termination Features**

Contact Termination Type	Surface Mount
Wire/Cable Size (AWG)	28
Termination Method to PC Board	Surface Mount

**Dimensions**

Length (X-Axis) (mm [in])	6.60 [0.259]
Width (Z-Axis) (mm [in])	4.30 [0.169]
Profile Height (Y-Axis) (mm [in])	1.40 [0.055]

**Body Features**

Locking Interface	Without
Mating Retention	With
Post Material	Phosphor Bronze
Selectively Loaded	No

**Contact Features**

Contact Type	Pin
Contact Plating, Mating Area, Material	Gold Flash
Contact Design	Pin
Contact Base Material	Phosphor Bronze
Contact Finish	Gold Flash over Nickel (50)

**Housing Features**

Connector Style	Plug
Housing Color	Black
Centerline (mm [in])	1.20 [0.047]
Housing Material	LCP GF30 (Liquid Crystal Polymer)
Housing Entry Style	Top

**Configuration Features**

Number of Positions	4
Number of Rows	Single
Tail Orientation	Straight
Shrouded	Yes - Partial

**Industry Standards**

RoHS/ELV Compliance	RoHS compliant, ELV compliant
Lead Free Solder Processes	Reflow solder capable to 245°C, Reflow solder capable to 260°C
RoHS/ELV Compliance History	Always was RoHS compliant
UL Flammability Rating	UL 94V-0

**Environmental**

Operating Temperature (°C [°F])	-25 - +85 [-13 - +185]
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**Conditions for Usage**

Applies To	Printed Circuit Board
Internal/External	Internal
Mates With	1909783-3

**Operation/Application**

Application Use	Wire-to-Board
Pick and Place Cover	Without

**Packaging Features**

Packaging Method	Reel
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**Other**

Brand	TE Connectivity
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