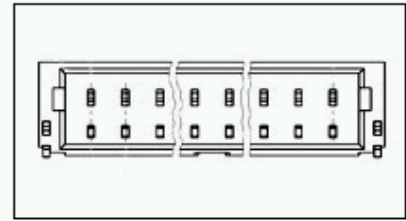




# 1734709-6 Product Details

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**1734709-6**

TE Internal Number: 1734709-6

Active

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## High Performance Interconnects (HPI)

Always EU RoHS/ELV Compliant (Statement of Compliance)

**Product Highlights:**

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

[View all Features](#)
**Quick Links**

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### Documentation & Additional Information

**Product Drawings:**

- [WIRE TO BOARD CONNECTOR, 1.0mm PITCH, SIDE ENTRY, SI...](#) (PDF, English)

**Catalog Pages/Data Sheets:**

- None Available

**Product Specifications:**

- [Wire To Board Serial, SMT, Pitch 1.0](#) (PDF, English)

**Application Specifications:**

- None Available

**Instruction Sheets:**

- None Available

**CAD Files:** (CAD Format & Compression Information)

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

**Additional Information:**

- [Product Line Information](#)

**Related Products:**

- [Tooling](#)
- [Mating Products \(2\)](#)

[List all Documents](#)

### Product Features (Please 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
- [Termination Method to PC Board](#) = Surface Mount
- [PCB Mounting Orientation](#) = Right Angle
- [PCB Mount Alignment](#) = Without
- [PCB Mount Retention](#) = With
- [PCB Mount Retention Type](#) = Solder Pads
- [Shrouded](#) = Yes
- [Sealed](#) = No

**Electrical Characteristics:**

- [Contact - Rated Current \(A\)](#) = 0.8 - 1
- [Operating Voltage Reference](#) = AC/DC
- [Operating Voltage \(VAC\)](#) = 50
- [Operating Voltage \(VDC\)](#) = 50

**Termination Features:**

- [Contact Termination Type](#) = Surface Mount
- [Wire/Cable Size \(AWG\)](#) = 28 - 32
- [Tail Orientation](#) = Straight
- [Termination Post Length \(mm \[in\]\)](#) = 0.70 [0.028]
- [Tail Length \(mm \[in\]\)](#) = 0.7 [0.028]

**Dimensions:**

- [Length \(X-Axis\) \(mm \[in\]\)](#) = 8.30 [0.327]
- [Width \(Z-Axis\) \(mm \[in\]\)](#) = 4.95 [0.195]
- [Profile Height \(Y-Axis\) \(mm \[in\]\)](#) = 2.90 [0.114]

**Body Features:**

- [Locking Interface](#) = Without
- [Mating Retention](#) = Without
- [Post Material](#) = Phosphor Bronze
- [Post Plating](#) = Tin over Nickel
- [Selectively Loaded](#) = No

**Contact Features:**

- [Contact Type](#) = Pin
- [Contact Plating, Mating Area, Material](#) = Nickel
- [Contact Design](#) = Pin
- [Contact Base Material](#) = Phosphor Bronze
- [Contact Finish](#) = Matte Tin over Nickel
- [Contact Plating, Termination Area, Material](#) = Matte Tin

**Housing Features:**

- [Connector Style](#) = Plug
- [Housing Color](#) = Natural
- [Centerline \(mm \[in\]\)](#) = 1.00 [0.039]
- [UL Flammability Rating](#) = UL 94V-0
- [Housing Material](#) = Thermoplastic - GF

**Configuration Features:**

- [Number of Positions](#) = 6
- [Number of Rows](#) = Single

**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

**Environmental:**

- [Operating Temperature \(°C \[°F\]\)](#) = -55 - +105 [-67 - +221]

**Conditions for Usage:**

- [Applies To](#) = Printed Circuit Board
- [Mates With](#) = 1470364-x

**Operation/Application:**

- [Application Use](#) = Wire-to-Board
- [Pick and Place Cover](#) = Without

**Packaging Features:**

- [Packaging Method](#) = Tape & Reel
- [Packaging Quantity](#) = 2,000/Reel

**Other:**

- [Brand](#) = TE Connectivity

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