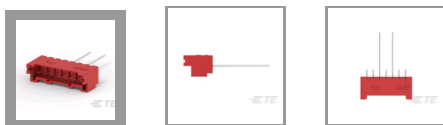




**CONNECTORS**

**HEADERS & RECEPTACLES**



✓ Active

TE CONNECTIVITY (TE)

## EP2.5 HDR 7P VERT W/O BOSS, TAPING, RED

Economy Power | Economy Power 2.5

1-2299683-7

TE Internal Number: 1-2299683-7

Not Yet Reviewed for EU RoHS

Not Yet Reviewed for EU ELV

**Connector System** Wire-to-Board

**Number of Positions** 7

**Centerline (Pitch)** 2.5 mm [ .098 in ]

**Termination Method to Wire/Cable** Solder

**PCB Mounting Orientation** Vertical

[↓ PRODUCT DRAWING](#)  
English

[↓ 3D PDF](#)

### DOCUMENTATION

Product Drawings

#### **HEADER ASSEMBLY, VERTICAL ECONOMY POWER, 2.5mm CENTERLINE TAPING VERSION**

PDF

**English**

CAD Files

#### **3D PDF**

PDF

**3D**

#### **Customer View Model**

2D\_DXF.ZIP

English

### Customer View Model

3D\_IGS.ZIP

English

### Customer View Model

3D\_STP.ZIP

English

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Product Specifications

Application Specification

### Economy Power (EP) 2.5 Contacts; Plug And Receptacle Housings; And Vertical And Right-Angle Headers

PDF

English

Product Specification

### EP 2.5 Connector System

PDF

English

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## FEATURES



Please review product documents or [contact us](#) for the latest agency approval information.

Please Note: Use the Product Drawing for all design activity.

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Product Type Features

**Connector System** Wire-to-Board

**PCB Mounting Orientation** Vertical

**Sealable** No

**Connector & Contact Terminates To** Printed Circuit Board

**Product Type** Connector

**Connector Type** Header

**Connector Style** Plug

**Glow Wire Rating** Standard Part - Not Glow Wire

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Configuration Features

**Number of Positions** 7

**Number of Rows** 1

**Tail Orientation** Inline

**Selectively Loaded** No

**Backwall/Post Interruptions** Without

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Electrical Characteristics

**Operating Voltage (VAC)** 250

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Body Features

**Color** Red

**Header Type** Shrouded

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## Contact Features

**Contact Mating Area Plating Material** Tin  
**Contact Mating Area Plating Thickness** 2.03 µm [ 80 µin ]  
**Contact Current Rating (Max) (A)** 4.2  
**Contact Style** Straight  
**Contact Base Material** Brass  
**Contact Layout** Inline  
**Contact Termination Area Plating Material** Tin  
**Contact Termination Area Plating Thickness (µin)** 80  
**Tail Plating Thickness** 2.032 µm [ 80 µin ]  
**Contact Transmits (Typical)** Power, Signal (Data)  
**Tail Plating Material** Tin  
**Contact Design** Round Post  
**Contact Shape** Round  
**Contact Type** Pin

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## Termination Features

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

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## Mechanical Attachment

**PCB Mounting Style** Through Hole  
**PCB Mount Alignment** Without  
**Mating Retention** With  
**PCB Mount Retention** Without  
**Mating Alignment** With  
**Mating Retention Type** Latch  
**Mating Alignment Type** Polarization  
**Contact Retention** Without

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## Housing Features

**Centerline (Pitch)** 2.5 mm [ .098 in ]  
**Housing Material** PBT  
**Housing Color** Red

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## Dimensions

**Height** 8.8 mm [ .346 in ]  
**Tail Length** 3.4 mm [ .134 in ]  
**Width** 6.4 mm [ .252 in ]  
**PCB Thickness (Recommended)** 1.6 mm [ .063 in ]  
**Length** 20 mm [ .79 in ]  
**Mating Post Length** 3.6 mm [ .142 in ]

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## Usage Conditions

**Operating Temperature Range** -55 – 105 °C [ 131 – 221 °F ]

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## Operation/Application

**Circuit Application** Power  
**For Use With** Connector/Cable Assembly

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## Packaging Features

Packaging Method Tape  
Packaging Quantity 450

Statement of Compliance

**Statement of Compliance**

PDF