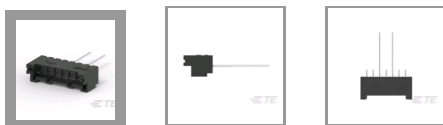




**CONNECTORS**

**HEADERS & RECEPTACLES**



✓ Active

TE CONNECTIVITY (TE)

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

Economy Power | Economy Power 2.5

3-2299683-7

TE Internal Number: 3-2299683-7

EU RoHS Compliant

EU ELV Compliant

Connector System Wire-to-Board

Termination Method to Wire/Cable Solder

Sealable No

PCB Mounting Orientation Vertical

Circuit Application Power

[↓ 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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Agency Approvals

UL Report

### ECONOMY POWER 2.5 CONNECTOR REPORT

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

**Sealable** No

**PCB Mounting Orientation** Vertical

**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** Black

**Header Type** Shrouded

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## Contact Features

**Contact Mating Area Plating Material** Tin

**Contact Mating Area Plating Thickness** 2.03  $\mu\text{m}$  [ 80  $\mu\text{in}$  ]

**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 ( $\mu\text{in}$ )** 80

**Tail Plating Thickness** 2.032  $\mu\text{m}$  [ 80  $\mu\text{in}$  ]

**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** Black

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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

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