



**CONNECTORS**

**HEADERS & RECEPTACLES**



✓ Active

TE CONNECTIVITY (TE)

## EP2.5 HDR 6P VERT W/O BOSS, TAPING, BLACK

Economy Power

Economy Power 2.5

3-2299683-6

TE Internal Number: 3-2299683-6

Not Yet Reviewed for EU RoHS

Not Yet Reviewed for EU ELV

**Connector System** Wire-to-Board

**Number of Positions** 6

**Centerline (Pitch) (mm)** 2.5

**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

---

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

---

Agency Approvals

UL Report

## ECONOMY POWER 2.5 CONNECTOR REPORT

PDF

English

---

## FEATURES



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

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

---

### Product Type Features

**Connector System** Wire-to-Board

**PCB Mounting Orientation** Vertical

**Header Type** Shrouded

**Sealable** No

**Product Type** Connector

**Connector Type** Header

**Connector Style** Plug

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

---

### Configuration Features

**Selectively Loaded** No

**Number of Positions** 6

**Number of Rows** 1

**Tail Orientation** Inline

**Backwall/Post Interruptions** Without

---

## Electrical Characteristics

**Operating Voltage (VAC)** 250

---

## Body Features

**Color** Black

---

## 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)  
**Contact Design** Round Post  
**Contact Shape** Round  
**Tail Plating Material** Tin  
**Contact Type** Pin

---

## Termination Features

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

---

## 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

---

## Housing Features

**Centerline (Pitch) (mm)** 2.5  
**Housing Material** PBT  
**Housing Color** Black

---

## 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** 17.5 mm [ .69 in ]  
**Mating Post Length** 3.6 mm [ .142 in ]

---

## Usage Conditions

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

---

Operation/Application

**Circuit Application** Power

**For Use With** Connector/Cable Assembly

---

Packaging Features

**Packaging Method** Tape

**Packaging Quantity** 450

Statement of Compliance

**Statement of Compliance**

PDF