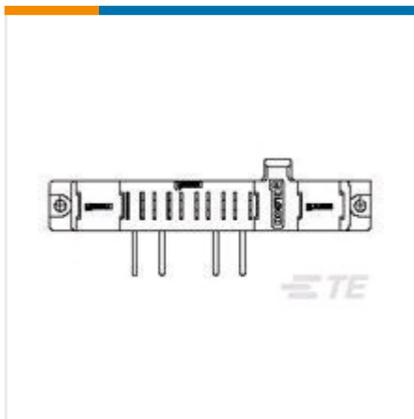




**CONNECTORS**

**RECTANGULAR POWER CONNECTORS**



✓ Active

TE CONNECTIVITY (TE)

# CONN,PIN,STR,SLDR,FLATPAQ

ELCON | [ELCON High Power Drawer](#)

6646816-1

TE Internal Number: 6646816-1

[EU RoHS Compliant](#)

[EU ELV Compliant](#)

**Product Type** Header

**Housing Type** Plug

**Connector System** Board-to-Board

**Number of Positions** 46

**Centerline (Pitch) (mm)** 2.5, 7.5

**Centerline (Pitch) (in)** .098, .295

 **PRODUCT DRAWING**  
English

## DOCUMENTATION

Product Drawings

### CONNECTOR,PIN,RIGHT ANGLE,STD SOLDER TAILS,FLATPAQ

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

**Product Type** Header  
**Housing Type** Plug  
**Connector System** Board-to-Board  
**Connector & Contact Terminates To** Printed Circuit Board  
**Contact Type** Pin, Tab

---

#### Configuration Features

**Number of Positions** 46  
**PCB Mounting Orientation** Right Angle  
**Number of Power Positions** 4  
**Number of Signal Positions** 6  
**Number of Rows** 3  
**Row-to-Row Spacing** .098 mm [ 2.5 in ]  
**Board-to-Board Configuration** Co-Planar

---

#### Electrical Characteristics

**Operating Voltage (VAC)** 250  
**Operating Voltage (VDC)** 250

---

#### Contact Features

**Contact Current Rating (Max) (A)** 3, 35  
**Contact Retention** With  
**Contact Termination Area Plating Material** Tin  
**Contact Mating Area Plating Material** Gold  
**Contact Mating Area Plating Thickness** 30  $\mu\text{m}$  [ .76  $\mu\text{in}$  ]  
**Signal Contact Base Material** Brass Alloy  
**Contact Base Material** Brass Alloy  
**Power Contact Material** Phosphor Bronze Alloy

---

#### Termination Features

**Termination Method to PC Board** Through Hole - Solder  
**Termination Post/Tail Length** 5.08 mm [ .2 in ]

---

#### Mechanical Attachment

**PCB Mount Retention Type** Mounting Flange  
**PCB Mount Retention** Without

---

#### Housing Features

**Centerline (Pitch) (mm)** 2.5, 7.5  
**Centerline (Pitch) (in)** .098, .295  
**UL Flammability Rating** UL 94V-0  
**Housing Color** Black  
**Housing Material** Thermoplastic

---

#### Dimensions

**Height** 14 mm [ .551 in ]  
**Mating Post Length** 5.08 mm [ .2 in ]

---

#### Usage Conditions

**Operating Temperature Range** -40 – 125 °C [ -40 – 257 °F ]  
**Sealed Condition** Not Sealed

---

Operation/Application

**Circuit Application** Power, Signal

---

Packaging Features

**Packaging Method** Box

**Packaging Quantity** 64

---

Other

**For Use With** Plug Assembly

---

## **PRODUCT COMPLIANCE**



Statement of Compliance

**Statement of Compliance**

PDF

---