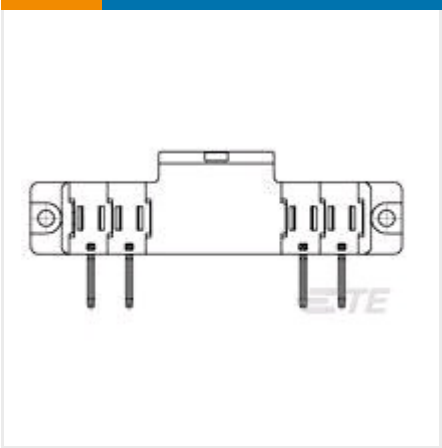




+ CONNECTORS

RECTANGULAR POWER CONNECTORS



✓ Active

TE CONNECTIVITY (TE)
CONN,PIN,RT<,SLDR,FLATPAQ
ELCON | [ELCON High Power Drawer](#)

6646685-1
TE Internal Number: 6646685-1

[EU RoHS Compliant](#)
[EU ELV Compliant](#)

Product Type Header

Housing Type Plug

Connector System Board-to-Board

Number of Positions 64

Centerline (Pitch) (mm) 2.5, 7.5

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

[↓](#) **PRODUCT DRAWING**
English

[↓](#) **3D PDF**

DOCUMENTATION

Product Drawings

CONNECTOR, PIN, RIGHT ANGLE STANDARD, SOLDER TAILS FLATPAQ

PDF [\(TIFF AVAILABLE\)](#)

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

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** 64
- PCB Mounting Orientation** Right Angle
- Number of Power Positions** 4
- Number of Signal Positions** 24
- Number of Rows** 3
- Row-to-Row Spacing** .098 mm [2.5 in]
- Board-to-Board Configuration** Co-Planar
- Contact Layout** Staggered

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 μm [.76 μin]
- Contact Base Material** Brass Alloy
- Contact Termination Area Plating Thickness (μin)** 100
- Power Contact Material** Phosphor Bronze Alloy
- Signal Contact Base Material** Brass Alloy

Termination Features

- Termination Method to PC Board** Through Hole - Solder
- Termination Post/Tail Length (mm)** 4.95, 5.08
- Termination Post/Tail Length (in)** .195, .2

Mechanical Attachment

PCB Mount Retention Without
PCB Mount Retention Type Mounting Flange

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
Housing Style Standard Profile

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