# 6646597-1 × OBSOLETE

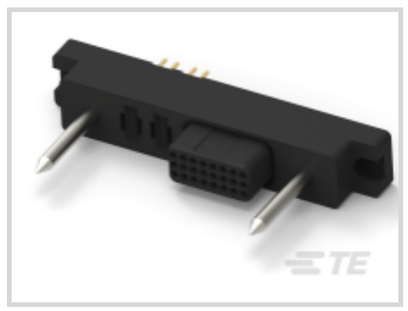
ELCON | ELCON Drawer

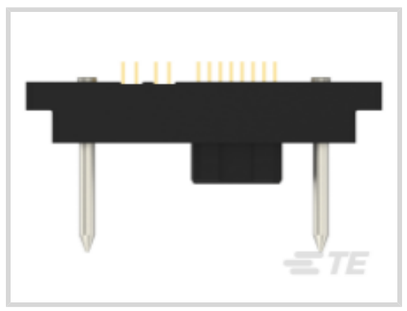
TE Internal #: 6646597-1

TE Internal Description: 278-0933-10200A=CONN,SKT

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Receptacle**

Connector System: **Board-to-Board**

Number of Positions: **26**

Number of Rows: **3**

Centerline (Pitch): **2.5 mm, 7.5 mm [ .098 in, .295 in ]**

## Features

### Product Type Features

| | |
|---|---|
| Mixed & Hybrid Header | Yes |
| Connector Shape | Rectangular |
| PCB Connector Type | PCB Mount Receptacle |
| Connector System | Board-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type | Connector Assembly |

### Configuration Features

| | |
|---|---|
| Mating & Unmating Configuration | Hot Pluggable |
| Number of Positions | 26 |
| Number of Rows | 3 |
| PCB Mount Orientation | Vertical |
| Number of Power Positions | 2 |
| Number of Signal Positions | 24 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 250 VDC |

## Body Features

| | |
|---|---|
| Primary Product Color | Black |

## Contact Features

| | |
|---|---|
| Contact Underplating Material | Nickel |
| Contact Underplating Material Thickness | 1.27 µm[50 µin] |
| Mating Square Post Dimension | .64 mm[.025 in] |
| Mating Tab Width | 7 mm[.275 in] |
| PCB Contact Termination Area Plating Material Thickness | 2.54 µm[100 µin] |
| Contact Layout | Matrix |
| Contact Base Material | Brass Alloy, Copper Alloy, Phosphor Bronze |
| Mating Tab Thickness | 1.25 mm[.049 in] |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Type | Receptacle, Socket |
| Contact Current Rating (Max) | 3 A, 35 A |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | .76 µm[30 µin] |

## Termination Features

| | |
|---|---|
| Termination Post & Tail Length | 4.57 mm[.18 in] |
| Termination Method to PCB | Through Hole - Solder |

## Mechanical Attachment

| | |
|---|---|
| PCB Mount Retention Type | Flange w/Mounting Holes |
| Mating Alignment Type | Guide Pins |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |
| PCB Mount Alignment | Without |
| PCB Mount Retention | With |

## Housing Features

| | |
|---|---|
| Centerline (Pitch) | 2.5 mm, 7.5 mm[.098 in][.295 in] |
| Housing Material | Thermoplastic Glass Reinforced |

## Dimensions

| | |
|---|---|
| Connector Width | 14 mm[.551 in] |

| | |
|---|---|
| Connector Height | 14 mm[.551 in] |
| Connector Length | 81.5 mm[3.2 in] |
| Row-to-Row Spacing | 2.5 mm[.098 in] |
| PCB Thickness (Recommended) | 1.57 – 3.18 mm[.062 – .125 in] |

### Usage Conditions

| | |
|---|---|
| Operating Temperature (Max) | 105 °C[221 °F] |
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |

### Operation/Application

| | |
|---|---|
| Circuit Application | Power & Signal |

### Industry Standards

| | |
|---|---|
| Glow Wire Rating | Standard Part - Not Glow Wire |
| UL Flammability Rating | UL 94V-0 |

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 8 |
| Packaging Method | Tray |

## Product Compliance

For compliance documentation, visit the product page on TE.com>

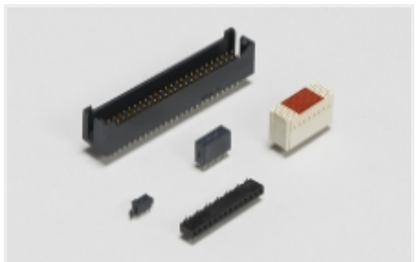
| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Wave solder capable to 265°C |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part

numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

## Also in the Series | ELCON Drawer



Board-to-Board Headers & Receptacles(10)



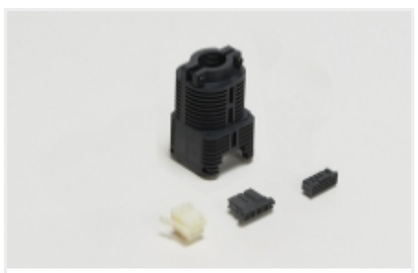
Connector Contacts(34)



Connector Hardware(1)



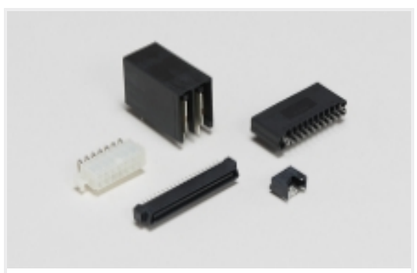
Power Contacts(34)



Rectangular Connector Housings(1)



Rectangular Power Connectors(9)



Standard Rectangular Connectors(2)

## Customers Also Bought



TE Part #CAT-D48-ST273
DEUTSCH Connector Solid Contacts



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



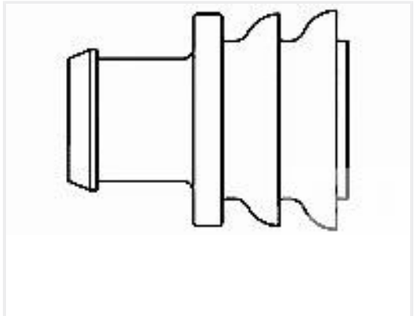
TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

## Documents

## CAD Files

### 3D PDF

3D

Customer View Model

ENG_CVM_CVM_6646597-1_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6646597-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6646597-1_D.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## Datasheets & Catalog Pages

POWER_CONNECTORS_CATALOG_SEC01_BOARD_TO_BOARD

English

1-1773718-4_POWER_CONNECTORS_QRG_CN

1-1773718-5_POWER_CONNECTORS_QRG_TCN

1-1773718-6_POWER_CONNECTORS_QRG_JA

Japanese

## Product Specifications

### Application Specification

English

## Agency Approvals

### Agency Approval Document

English