

**6646272-1****✗ OBSOLETE**

TE Internal #: 6646272-1

TE Internal Description: CONN,SKT,STR,COMPL,FLATPAQ

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Connectors &gt; PCB Connectors &gt; PCB Headers &amp; Receptacles

PCB Connector Type: **PCB Mount Receptacle**Connector System: **Board-to-Board**Number of Positions: **68**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

### Configuration Features

Number of Positions	68
Number of Rows	3
PCB Mount Orientation	Vertical
Number of Power Positions	20
Number of Signal Positions	48

### Electrical Characteristics

Operating Voltage	600 VDC
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### Body Features

Primary Product Color	Black
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### Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 $\mu\text{m}$ [50 $\mu\text{in}$ ]
Mating Square Post Dimension	.64 mm[.025 in]
Mating Tab Width	7 mm[.275 in]
PCB Contact Termination Area Plating Material Thickness	2.54 $\mu\text{m}$ [100 $\mu\text{in}$ ]
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 $\mu\text{m}$ [30 $\mu\text{in}$ ]

### Termination Features

Termination Post & Tail Length	4.6 mm[.181 in]
Termination Method to PCB	Through Hole - Press-Fit

### Mechanical Attachment

Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	Without

### 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	204 mm[8.03 in]
Row-to-Row Spacing	2.5 mm[.098 in]
PCB Thickness (Recommended)	2.36 mm[.093 in]

### Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	4
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Packaging Method	Package
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### Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

#### 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>

### Customers Also Bought



TE Part #5-100525-4  
CODING DEV INSRT COLOR GREEN



TE Part #223969-1  
UNV PWR MDL, GUIDE PIN LOCT PL



TE Part #352332-1  
2MM HM TYPE A MALE HDR 154 POS



TE Part #9-1437651-9  
6PCR-08-006=6PCR ASSEMBLY



TE Part #3-1625886-1  
1W SM M/OX 5% 680K



TE Part #1757826-6  
AMPLIMITE,ASY,RCPT,FB,90,ZN,6



TE Part #1903977-1  
SLIM UPM 4POS. R/A HDR ASSEMBLY



TE Part #102557-1  
40 MODII HDR DRST SHRD A/PIN



TE Part #8-1437514-0  
M8134-HC-5P2=HOLTITE CONTACT 3



TE Part #8-1437514-1  
M8134-HC-6P2=HOLTITE GOLD 3.2.

## Documents

### Product Drawings

[CONN,SKT,STR,COMPL,FLATPAQ](#)

English

### CAD Files

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_6646272-1\\_B.2d\\_dxf.zip](#)

English

### 3D PDF

3D

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_6646272-1\\_B.3d\\_igs.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_6646272-1\\_B.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Product Specifications

### [Application Specification](#)

English

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### [Agency Approvals](#)

[Agency Approval Document](#)

English