



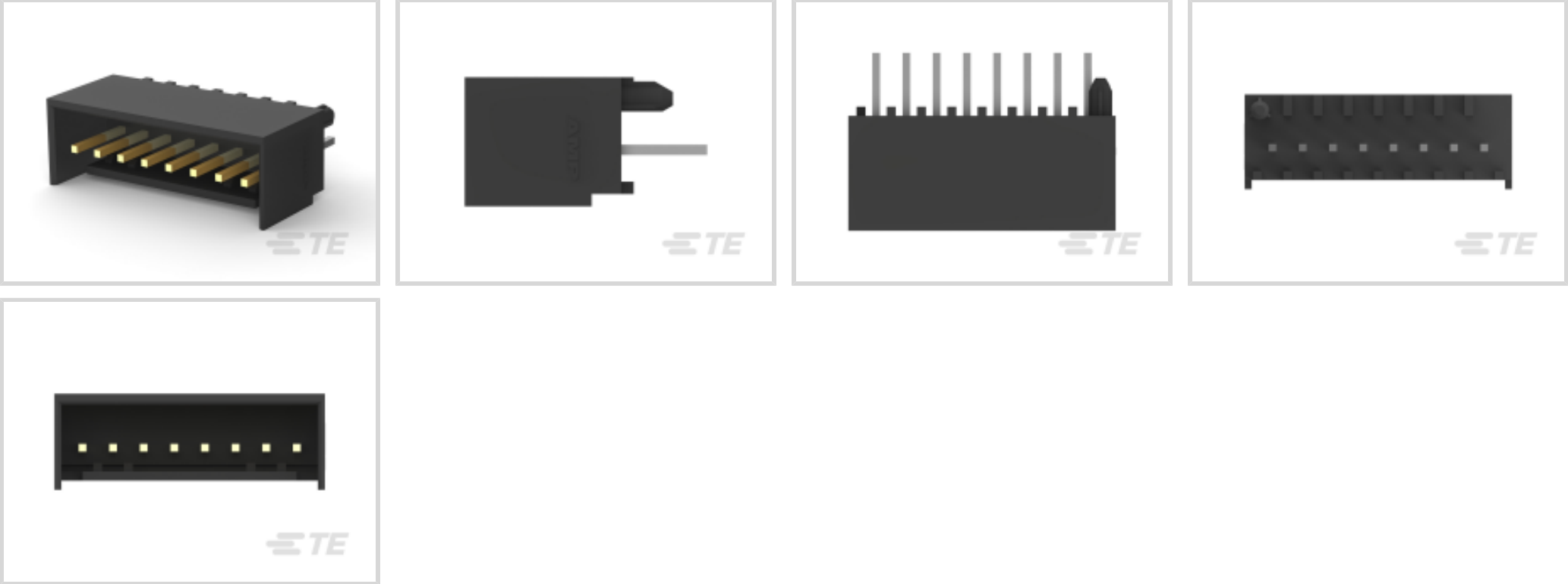
CST

TE Internal #: 3-644897-8

PCB Mount Header, Vertical, Wire-to-Board, 8 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, Signal, Black, Package

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

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

Number of Positions: **8**

Number of Rows: **1**

Centerline (Pitch): **2.54 mm [.1 in]**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type       | PCB Mount Header      |
| Connector System                  | Wire-to-Board         |
| Header Type                       | Fully Shrouded        |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                       |          |
|-----------------------|----------|
| Number of Positions   | 8        |
| Number of Rows        | 1        |
| PCB Mount Orientation | Vertical |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

Body Features

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



Contact Features

|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| Contact Mating Area Length                              | 7.11 mm[.28 in]               |
| Mating Square Post Dimension                            | .64 mm[.025 in]               |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 6.35 µm[150 – 250 µin] |
| Contact Layout                                          | Inline                        |
| Contact Underplating Material Thickness                 | 1.27 µm[50 µin]               |
| Contact Mating Area Plating Material Thickness          | .76 µm[30 µin]                |
| PCB Contact Termination Area Plating Material Finish    | Matte                         |
| Contact Shape & Form                                    | Square                        |
| Contact Mating Area Plating Material Finish             | Bright                        |
| Contact Underplating Material                           | Nickel                        |
| PCB Contact Termination Area Plating Material           | Tin                           |
| Contact Base Material                                   | Copper Alloy                  |
| Contact Mating Area Plating Material                    | Gold                          |
| Contact Type                                            | Pin                           |
| Contact Current Rating (Max)                            | 4 A                           |

Termination Features

|                                          |                       |
|------------------------------------------|-----------------------|
| Square Termination Post & Tail Dimension | .64 mm[.025 in]       |
| Termination Post & Tail Length           | 3.56 mm[.14 in]       |
| Termination Method to PCB                | Through Hole - Solder |

Mechanical Attachment

|                          |               |
|--------------------------|---------------|
| PCB Mount Alignment Type | Peg           |
| Mating Alignment Type    | Polarization  |
| Mating Retention         | With          |
| Panel Mount Feature      | Without       |
| PCB Mount Retention Type | Tab           |
| Mating Retention Type    | Friction Lock |
| Connector Mounting Type  | Board Mount   |
| Mating Alignment         | With          |
| PCB Mount Alignment      | With          |
| PCB Mount Retention      | With          |

Housing Features

|                  |                |
|------------------|----------------|
| Housing Material | Polyester - GF |
|------------------|----------------|



|                    |                |
|--------------------|----------------|
| Centerline (Pitch) | 2.54 mm[.1 in] |
|--------------------|----------------|

Dimensions

|                             |                   |
|-----------------------------|-------------------|
| Connector Length            | 24.99 mm[.984 in] |
| Connector Height            | 10.41 mm[.41 in]  |
| PCB Thickness (Recommended) | 1.6 mm[.063 in]   |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

|                                             |                       |
|---------------------------------------------|-----------------------|
| Compatible With Agency/Standards Products   | CSA, UL               |
| Compatible With Approved Standards Products | CSA LR7189, UL E28476 |
| UL Flammability Rating                      | UL 94V-0              |

Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 1       |
| Packaging Method   | Package |

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 | No Restricted Materials Above Threshold                                                                                         |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                  |
| Solder Process Capability                     | Wave solder capable to 240°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>

Compatible Parts

TE Part # CAT-104MTA-PLSCC  
Polyester PCB Connector Covers: 2.54 mm, MTA 100

TE Part # CAT-104MTA-NYLCC  
Nylon PCB Connector Covers: 2.54 mm, MTA 100

TE Part # 1375820-8  
CST-100 II HOUSING 8 POS

Customers Also Bought

TE Part #641321-1  
RECEPT PIDG FASTON 26-24 187

TE Part #640452-2  
02P MTA100 HDR ASSY SQ STR

TE Part #5207908-4  
STRAIN REL W/SCREW RET KIT

TE Part #770587-1  
24P MINI UMNL PLUG HSG

TE Part #1614881-1  
CPF0603 10K 0.1% 25PPM 5K RL

TE Part #5-1879061-1  
CPF 0402 1K0 0.1% 25PPM 5K RL

TE Part #1825096-5  
TPA11CGRA204

TE Part #1676447-2  
RN 0805 84K5 0.1% 10PPM 1KRL

TE Part #4-2176331-9  
CRGP 2512 100K 1%

TE Part #1-66103-9  
III+ PIN,24-20,TIN,SMPACK

Documents



Product Drawings

08P CST100 SHRD HDR ASSY LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-644897-8\_J.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-644897-8\_J.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-644897-8\_J.3d\_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

CSA Certificate

English