



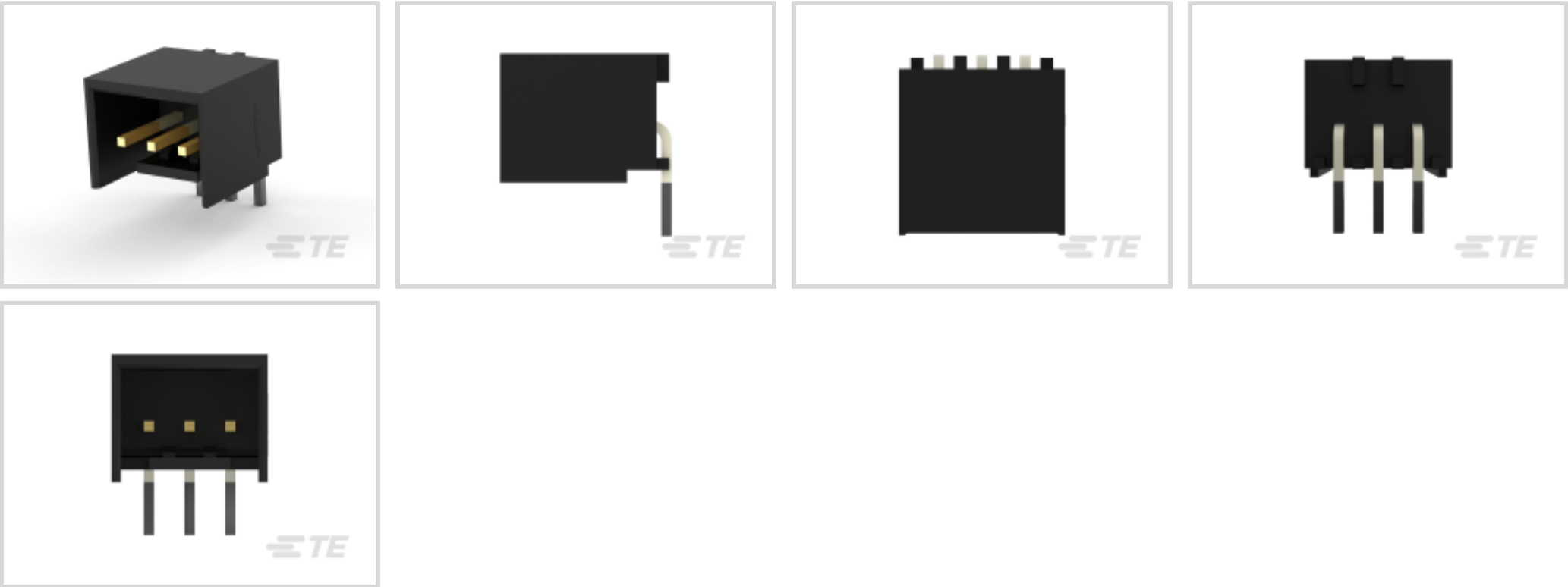
CST

TE Internal #: 3-644898-3

PCB Mount Header, Right Angle, Wire-to-Board, 3 Position, 2.54 mm [.1in] Centerline, 1 Row, Gold, Black Housing Color, Fully Shrouded

[View on TE.com >](#)

Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles



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

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **3**

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

|                       |             |
|-----------------------|-------------|
| PCB Mount Orientation | Right Angle |
| Number of Positions   | 3           |
| Number of Rows        | 1           |

Electrical Characteristics

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

Contact Features

|                            |                 |
|----------------------------|-----------------|
| Contact Layout             | Inline          |
| Contact Mating Area Length | 7.11 mm[.28 in] |



|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| Mating Square Post Dimension                            | .64 mm[.025 in]               |
| Contact Retention Within Housing                        | Without                       |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 6.35 µm[150 – 250 µin] |
| Contact Underplating Material Thickness                 | 1.27 µm[50 µin]               |
| PCB Contact Termination Area Plating Material Finish    | Matte                         |
| Contact Shape & Form                                    | Square                        |
| Contact Underplating Material                           | Nickel                        |
| PCB Contact Termination Area Plating Material           | Tin                           |
| Contact Base Material                                   | Copper Alloy                  |
| Contact Mating Area Plating Material                    | Gold                          |
| Contact Mating Area Plating Material Finish             | Bright                        |
| Contact Mating Area Plating Material Thickness          | .76 µm[30 µin]                |
| Contact Type                                            | Pin                           |
| Contact Current Rating (Max)                            | 4 A                           |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Square Termination Post & Tail Dimension    | .64 mm[.025 in]       |
| Termination Post & Tail Length              | 3.3 mm[.13 in]        |
| Termination Method to Wire & Cable          | Solder                |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

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

Housing Features

|                          |                |
|--------------------------|----------------|
| Right Angle Bending Side | Front          |
| Centerline (Pitch)       | 2.54 mm[.1 in] |
|                          |                |



|               |       |
|---------------|-------|
| Housing Color | Black |
|---------------|-------|

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

Dimensions

|                  |                   |
|------------------|-------------------|
| Connector Length | 12.29 mm[.484 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

|            |           |
|------------|-----------|
| CSA Rating | Certified |
|------------|-----------|

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

|                 |         |
|-----------------|---------|
| Agency/Standard | CSA, UL |
|-----------------|---------|

|                 |        |
|-----------------|--------|
| CSA File Number | LR7189 |
|-----------------|--------|

|           |            |
|-----------|------------|
| UL Rating | Recognized |
|-----------|------------|

|                |        |
|----------------|--------|
| UL File Number | E28476 |
|----------------|--------|

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: JAN 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<br>Does not contain REACH SVHC |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|

|                 |                                                |
|-----------------|------------------------------------------------|
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
|-----------------|------------------------------------------------|

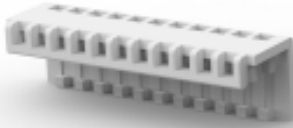
|                           |                              |
|---------------------------|------------------------------|
| Solder Process Capability | Wave solder capable to 240°C |
|---------------------------|------------------------------|



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-NYLCC  
Nylon PCB Connector Covers: 2.54 mm, MTA 100



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

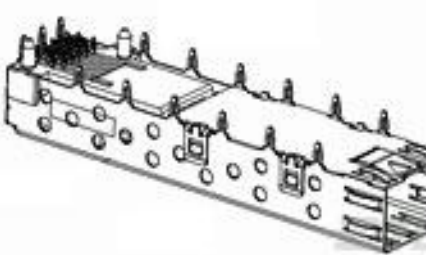


TE Part # CAT-104CST-RCPHS  
Receptacle Housing: 2.54mm, 1 Row, CST-100 II

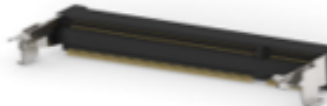
Customers Also Bought



TE Part #1571839-1  
02 MODII HDR SRST B/A HT LF



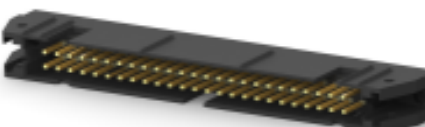
TE Part #2170039-1  
1X1SFP CAGE ASSY & PT CONNECTOR ASSY



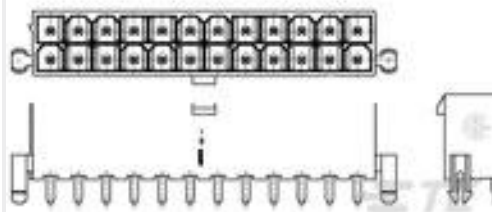
TE Part #1565917-4  
DDR2 SO DIMM Sockets



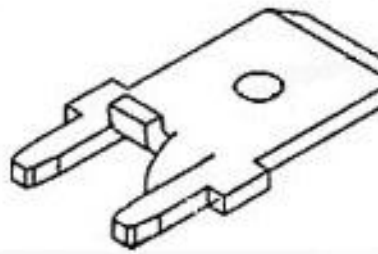
TE Part #1-776163-1  
AMPSEAL HEADERS



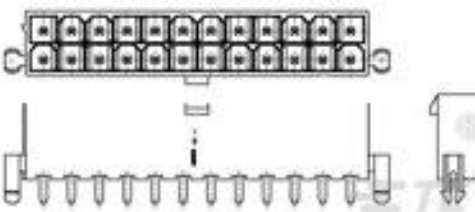
TE Part #111008-1  
AMP-LATCH UNIVERSAL HEADERS



TE Part #2-2029059-4  
24P VAL-U-LOK VRTHDR W/PGS GW



TE Part #1217861-1  
250 FASTON,PCB TAB,TCBR



TE Part #2-2029059-0  
20P VAL-U-LOK VRTHDR W/PGS GW



Documents

Product Drawings

03P CST100 SHRD HDR ASSY LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-644898-3\_H.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-644898-3\_H.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-644898-3\_H.3d\_stp.zip

English

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

Datasheets & Catalog Pages

MTA, CST-100 II, SL-156 and AMP Economy Power (EP) Connectors

English

Product Specifications

CST-100 Type II .100 Inch Centerline Crimp-Snap Connectors

English

Product Specification

English

Product Specification

English