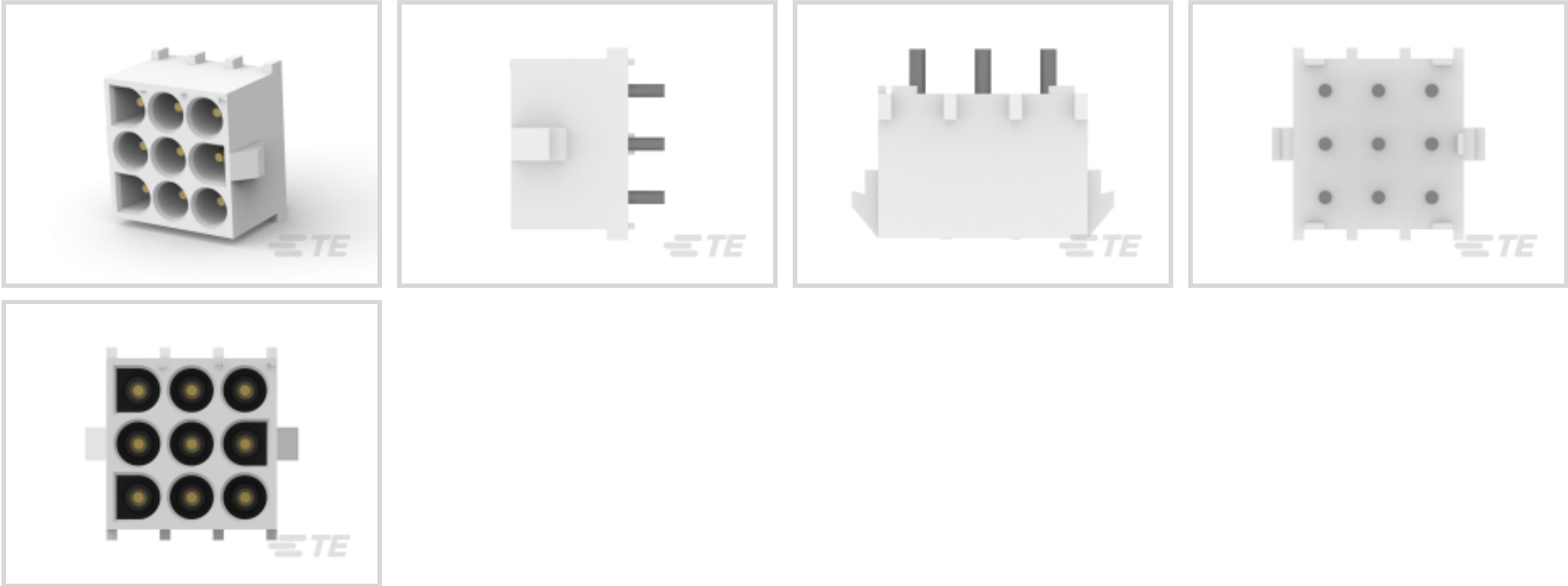




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **9**

Number of Rows: **3**

Features

Product Type Features

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

Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Number of Columns                | 3            |
| Number of Loaded Positions       | 9            |
| Number of Power Positions        | 9            |
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation            | Vertical     |
| Number of Positions              | 9            |



|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| Number of Rows                                          | 3                             |
| Electrical Characteristics                              |                               |
| Operating Voltage                                       | 600 VAC                       |
| Body Features                                           |                               |
| Primary Product Color                                   | Natural                       |
| Contact Features                                        |                               |
| Contact Underplating Material                           | Nickel                        |
| Mating Pin Diameter                                     | 2.2 mm[.087 in]               |
| Contact Underplating Material Thickness                 | 1.27 – 1.79 µm[50 – 70 µin]   |
| PCB Contact Termination Area Plating Material Finish    | Matte                         |
| Contact Size                                            | 2.2mm                         |
| Contact Mating Area Plating Material Thickness          | .76 – .91 µm[30 – 36 µin]     |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 5.08 µm[150 – 200 µin] |
| Contact Shape & Form                                    | Round                         |
| Contact Layout                                          | Matrix                        |
| Contact Base Material                                   | Phosphor Bronze               |
| PCB Contact Termination Area Plating Material           | Tin                           |
| Contact Mating Area Plating Material                    | Gold (Au)                     |
| Contact Type                                            | Pin                           |
| Contact Current Rating (Max)                            | 12 A                          |
| Termination Features                                    |                               |
| Termination Post & Tail Diameter                        | 1.57 mm[.062 in]              |
| Termination Post & Tail Length                          | 3.56 mm[.14 in]               |
| Termination Method to PCB                               | Through Hole - Solder         |
| Mechanical Attachment                                   |                               |
| Panel Mount Feature                                     | Without                       |
| Mating Retention Type                                   | Locking Tab                   |
| Mating Retention                                        | With                          |
| Mating Alignment Type                                   | Polarization                  |
| PCB Mount Retention                                     | Without                       |
| PCB Mount Alignment                                     | Without                       |
| Connector Mounting Type                                 | Board Mount                   |



Mating Alignment

With

Housing Features

|                       |                 |
|-----------------------|-----------------|
| Mating Entry Location | Top             |
| Housing Material      | Nylon           |
| Centerline (Pitch)    | 6.35 mm[.25 in] |

Dimensions

|                             |                  |
|-----------------------------|------------------|
| Row-to-Row Spacing          | 6.35 mm[.25 in]  |
| Connector Width             | 20.32 mm[.8 in]  |
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |
| Connector Height            | 13.97 mm[.55 in] |
| Connector Length            | 20.32 mm[.8 in]  |
| Profile Height from PCB     | 14.73 mm[.58 in] |

Usage Conditions

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

Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

|                                             |                               |
|---------------------------------------------|-------------------------------|
| Compatible With Agency/Standards Products   | CSA, UL, VDE                  |
| UL Rating                                   | Recognized                    |
| Compatible With Approved Standards Products | UL E28476                     |
| Glow Wire Rating                            | Standard Part - Not Glow Wire |
| UL Flammability Rating                      | UL 94V-2                      |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 100 |
| Packaging Method   | Bag |

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 2025  
(247)  
Candidate List Declared Against: JAN 2025  
(247)  
Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per  
homogenous material. Also BFR/CFR/PVC  
Free

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>

Compatible Parts



TE Part # 794994-1  
09P UMNL BLACK INTERFACE SEAL



TE Part # 1-480706-0  
09P UMNL PLUG HSG NATL



TE Part # 1586853-1  
09P UMNL CAP HSG, GW



TE Part # 1969882-1  
09P UMNL CAP HSG, P/M, GW V0



TE Part # 2029315-1  
09P UMNL CAP HSG 150C-RED



TE Part # 2029299-1  
9 POS UMNL CAP W/LARGE FLANGE-V0



TE Part # 1-350590-0  
STR/REL CLAMP NATL



TE Part # 1-640722-0  
09P UMNL STR/REL & INSRT NATL



TE Part # 794278-1  
09P UMNL WIRE SEAL



TE Part # 794277-1  
09P UMNL INTERFACE SEAL



TE Part # 927231-5  
UNML CAP HSG 9WAY



TE Part # 350812-1  
STR/REL CLAMP UMNL



TE Part # 640716-1  
09P UMNL STR/REL & INSRT



TE Part # 927231-3  
HONHUS UMNL V0 9-P



TE Part # 643254-1  
09P UMNL ASSY MOD HSG VO



TE Part # 794538-1  
09P UMNL CAP HSG 150C BLK

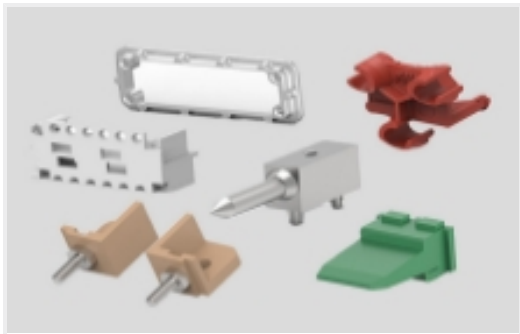
Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Contacts(208)



Connector Hardware(12)



Power Contacts(208)

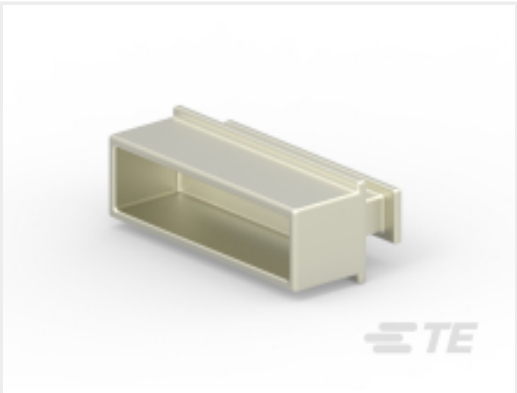


Rectangular Power Connectors(651)

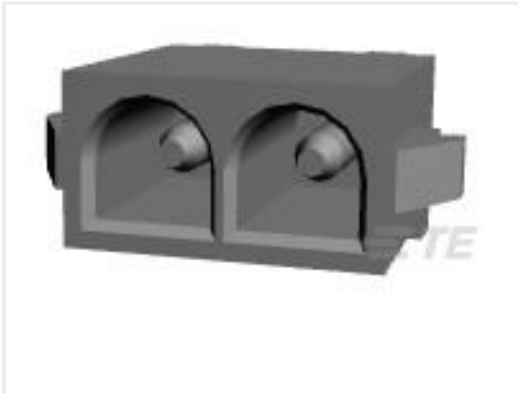


Standard Circular Connectors(1)

Customers Also Bought



TE Part #2288221-1  
CFP2 EMI/DUST PLUG



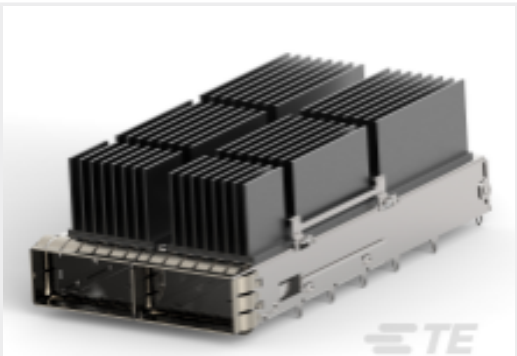
TE Part #350786-3  
02P UMNL HDR ASSY AU 94VO



TE Part #103638-2  
03 MTE HDR SRST LATCH .100CL



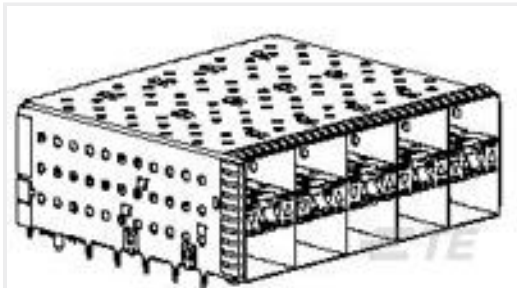
TE Part #2170704-3  
CAGE ASSY, QSFP28 1X1, SPRING, HS



TE Part #2342935-3  
QSFP-DD 1X2, STANDARD, W/  
EXTRUDED HS



TE Part #1551920-1  
zQSFP+ connector assembly



TE Part #2132403-5  
2X5 SFP+ w/ Springs, 4 LP Sn



TE Part #350713-4  
12P UMNL PIN HDR ASSY 94VO LF



TE Part #413990-2  
STR JACK,SMB,PCB



TE Part #350430-4  
04P UMNL PIN HDR ASSY NATL LF

Documents

Product Drawings

09P UMNL PIN HDR ASSY NATL LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_350432-4\_AB.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_350432-4\_AB.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_350432-4\_AB.3d\_stp.zip

English

3D PDF

English

Customer View Model

ENG\_CVM\_350432-4\_W.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_350432-4\_W.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_350432-4\_W.3d\_stp.zip

English



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

Datasheets & Catalog Pages  
[SOFT\\_SHELL\\_PIN\\_SOCKET\\_CONNECTORS\\_STANDARD\\_DENSITY](#)  
English

Product Specifications  
[Application Specification](#)  
English

Agency Approvals  
[UL](#)  
English