



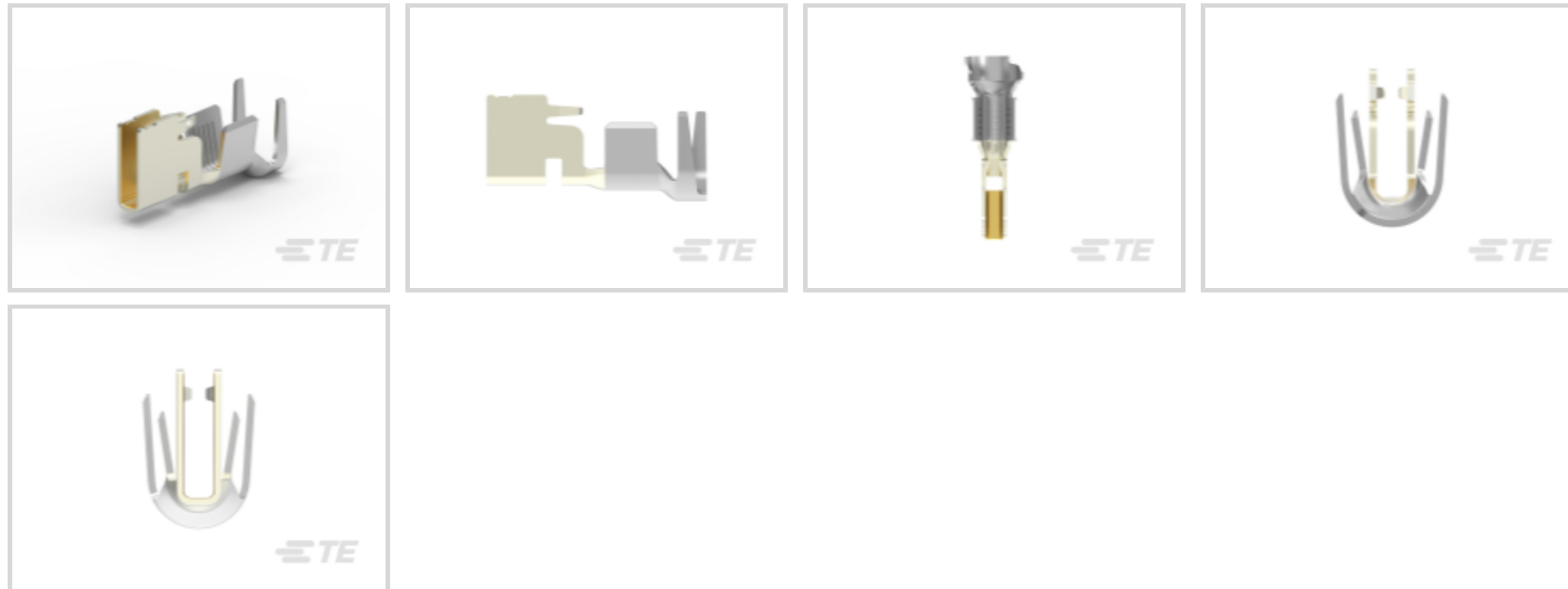
MULTI-BEAM

TE Internal #: 1-1600960-8

Power Contacts, Contact, 60 VAC / 300 VAC, 300 VDC / 60 VDC,
Gold, 10 – 8 AWG Wire Size, 5 – 8 mm² Wire Size, 10382 – 16507
CMA Wire Size

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **60 VDC, 300 VDC**

Contact Mating Area Plating Material: **Gold**

Wire Size: **10 – 8 AWG**

Features

Product Type Features

| | |
|-----------------------------------|--------------|
| Power Contact Type | Contact |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

Electrical Characteristics

| | |
|-------------------|-----------------|
| Operating Voltage | 60 VDC, 300 VDC |
|-------------------|-----------------|

Contact Features

| | |
|---|------------------------------|
| Barrel Type | Open |
| Contact Mating Area Plating Material | Gold |
| Contact Current Rating (Max) | 42 A |
| Contact Type | Receptacle |
| Contact Retention Within Housing | Without |
| Contact Base Material | Copper Alloy |
| Contact Mating Area Plating Material Thickness | .76 µm[30 µin] |
| Wire Contact Termination Area Plating Thickness | 1.27 – 2.54 µm[50 – 100 µin] |
| Wire Contact Termination Area Plating Material | Tin |



| | |
|---|-----------------|
| Wire Contact Termination Area Plating Material Finish | Matte |
| Contact Orientation | Straight |
| Contact Underplating Material | Nickel |
| Contact Underplating Material Thickness | 1.27 µm[50 µin] |

Termination Features

| | |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

| | |
|-------------------------|------|
| Wire Insulation Support | With |
|-------------------------|------|

Dimensions

| | |
|--------------------------------------|------------------------------|
| Wire Size | 10382 – 16507 CMA |
| Compatible Insulation Diameter Range | 4.4 – 6.9 mm[.176 – .272 in] |

Usage Conditions

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

Operation/Application

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

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 1000 |
| Packaging Method | Reel |

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 | 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>

Compatible Parts



TE Part # 1385638-1
HDM SAPR176F2200 LM



TE Part # 1385638-2
HDM SAPR176F2200 K



TE Part # 1385638-3
HDM SAPR176F2200 G

TE Part # 1761386-3
CONT PLUG 12-14AWG MULTI BEAM



TE Part # 1-1600238-0
STR W/KEYS,MBXL, 24S

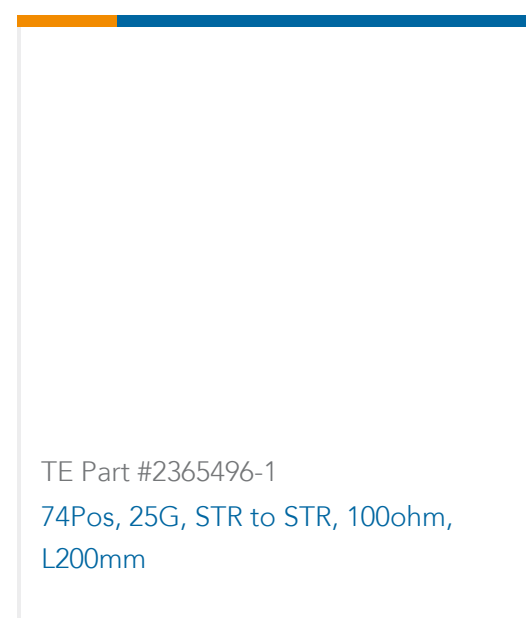
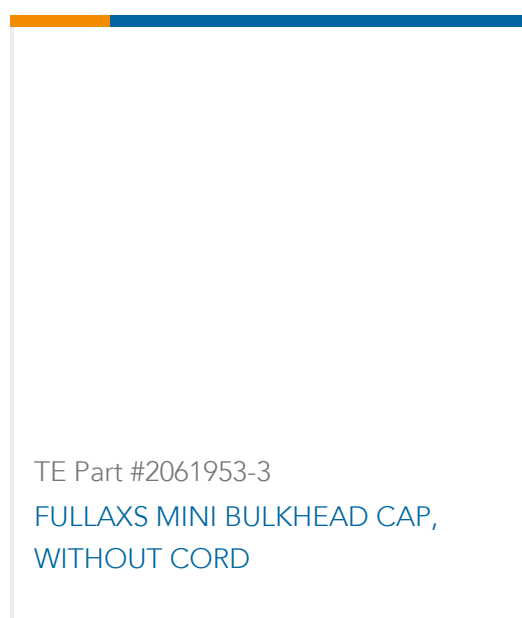
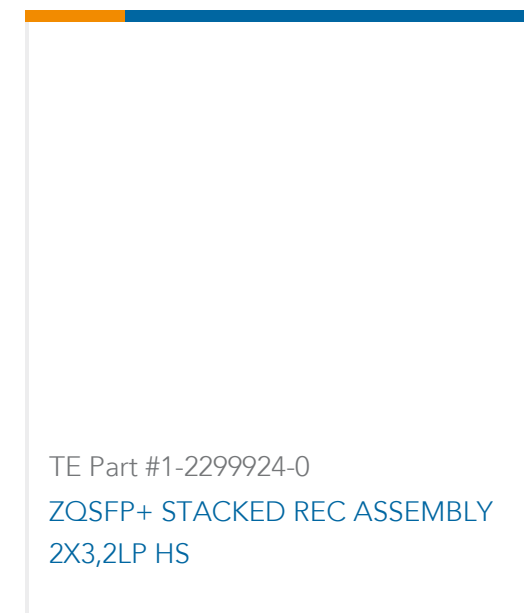
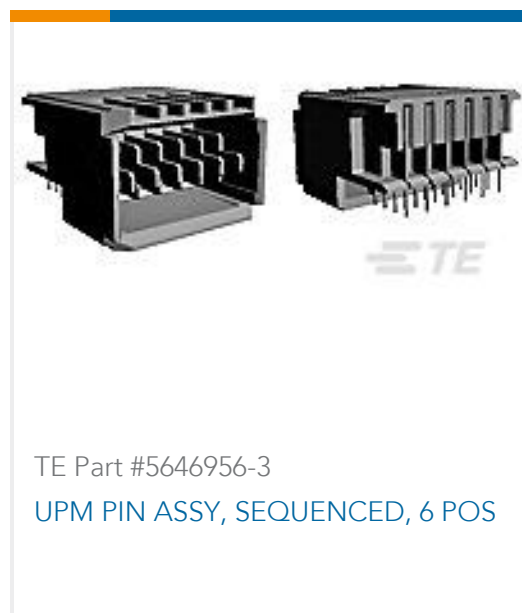
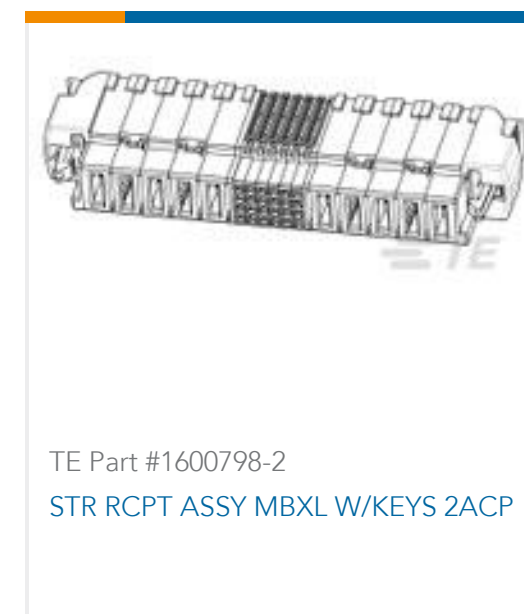
TE Part # 6-1892820-0
SQUE REL REC ASSY W/K,
2ACP12S2ACP

TE Part # 8-1892820-1
SQUE REL REC ASSY W/K,8P

TE Part # 8-2204973-2
SQUE REL REC ASSY W/K,2ACP/24S
/2ACP

TE Part # 1600960-1
CONT 8-10AWG PWR BLANK STRIP

Customers Also Bought



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-1600960-8_D1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1600960-8_D1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1600960-8_D1.3d_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

Product Specifications



Application Specification

English

Product Environmental Compliance

[MD_1-1600960-8_10092015728_dmtec](#)

English

[MD_1-1600960-8_10092015728_dmtec](#)

English