



TE Internal #: 2278770-2
 8 Position Housing, Housing for Female Terminals, Wire-to-Panel,
 4.1 mm [.161 in] Centerline, Black, Wire & Cable, Power, Cable
 Mount (Free-Hanging)

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Automotive Parts > Automotive Connectors > Automotive Housings



Connector & Housing Type: **Housing for Female Terminals**

Number of Positions: **8**

Sealable: **No**

Operating Temperature Range: **-40 – 125 °C [-40 – 257 °F]**

Number of Rows: **2**

Features

Product Type Features

| | |
|-----------------------------------|------------------------------|
| Mixed & Hybrid Connector | No |
| Connector Shape | Rectangular |
| Connector & Housing Type | Housing for Female Terminals |
| Sealable | No |
| Primary Locking Feature | On the Terminal |
| Connector System | Wire-to-Panel |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

| | |
|---------------------|---|
| Number of Positions | 8 |
| Number of Rows | 2 |

Electrical Characteristics

| | |
|------------------------------|--------|
| Operating Voltage | 12 VDC |
| Nominal Voltage Architecture | 12 V |

Body Features



| | |
|------------------|------|
| Cable Exit Angle | 180° |
|------------------|------|

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

Contact Features

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|--------------|-------|
| Contact Size | 1.2mm |
|--------------|-------|

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|--------------|------------|
| Contact Type | Receptacle |
|--------------|------------|

| | |
|------------------|-----------------|
| Mating Tab Width | 1.2 mm[.047 in] |
|------------------|-----------------|

| | |
|------------------------------|------|
| Contact Current Rating (Max) | 10 A |
|------------------------------|------|

Mechanical Attachment

| | |
|-----------------------------|----|
| Terminal Position Assurance | No |
|-----------------------------|----|

| | |
|-----------------------|-------|
| Mating Alignment Type | Keyed |
|-----------------------|-------|

| | |
|------------------|------|
| Mating Alignment | With |
|------------------|------|

| | |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

Housing Features

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|------------------|------------|
| Housing Material | PA 66 GF15 |
|------------------|------------|

| | |
|--------------------|-----------------|
| Centerline (Pitch) | 4.1 mm[.161 in] |
|--------------------|-----------------|

Dimensions

| | |
|--------------------|-----------------|
| Row-to-Row Spacing | 5.9 mm[.232 in] |
|--------------------|-----------------|

| | |
|---------------|-----------------|
| Product Width | 18.3 mm[.72 in] |
|---------------|-----------------|

| | |
|----------------|------------------|
| Product Length | 22.4 mm[.882 in] |
|----------------|------------------|

| | |
|------------------|------------------|
| Connector Height | 26.5 mm[1.04 in] |
|------------------|------------------|

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 125 °C[-40 – 257 °F] |
|-----------------------------|----------------------------|

| | |
|-----------------------------|----------------|
| Operating Temperature (Max) | 125 °C[257 °F] |
|-----------------------------|----------------|

Operation/Application

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

Industry Standards

| | |
|---|---------|
| Compatible With Agency/Standards Products | GMW3191 |
|---|---------|

| | |
|------------------------|---------|
| UL Flammability Rating | UL 94HB |
|------------------------|---------|

Packaging Features

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|--------------------|------|
| Packaging Quantity | 1500 |
|--------------------|------|

| | |
|------------------|--------|
| Packaging Method | Carton |
|------------------|--------|

Other



| | |
|--------------------------------------|----|
| Serviceable | No |
| Connector Position Assurance Capable | No |

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 | Not applicable for solder process capability |

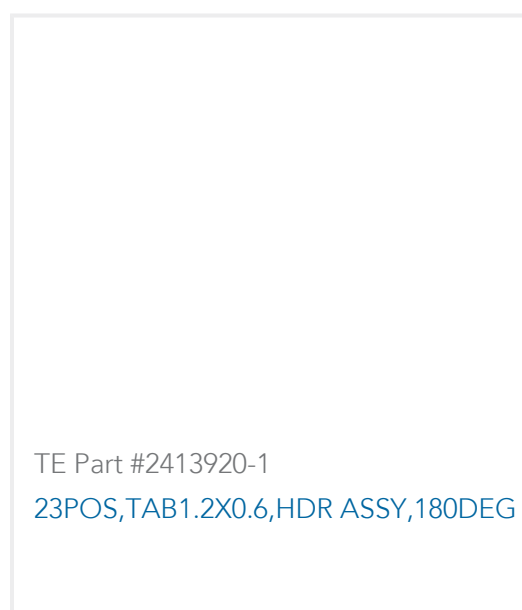
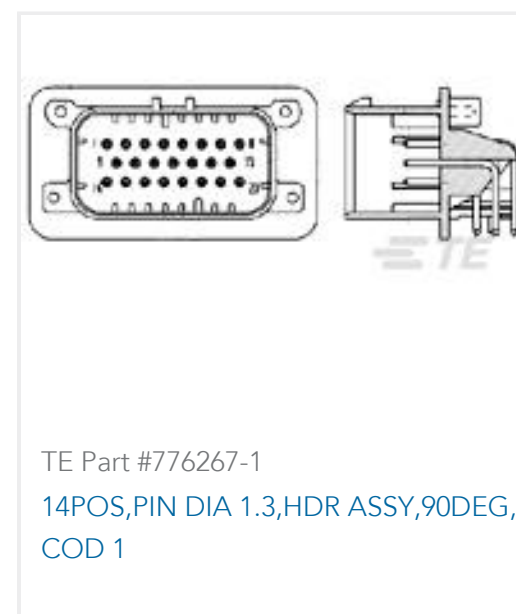
Product Compliance Disclaimer

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



Customers Also Bought



Documents

Product Drawings

8P SOCKET HOUSING

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2278770-2_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2278770-2_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2278770-2_B.3d_stp.zip](#)

English

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Product Specifications

2278770-2

8 Position Housing, Housing for Female Terminals, Wire-to-Panel, 4.1 mm [.161 in]
Centerline, Black, Wire & Cable, Power, Cable Mount (Free-Hanging)



MCON 12P Through Wall Connector

English