

2320020-1 ✓ ACTIVE

TE Internal #: 2320020-1

Receptacle, Cable-to-Board / Cable-to-Cable, 20 Position, 1.8 mm

Centerline, Black, Wire & Cable, Signal, Cable Mount (Free-Hanging), -40 – 105 °C

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Connectors > Automotive Connectors > Automotive Housings



Connector System: **Cable-to-Board, Cable-to-Cable**

Number of Positions: **20**

Connector & Housing Type: **Receptacle**

Centerline (Pitch): **1.8 mm**

Sealable: **No**

Features

Product Type Features

| | |
|-----------------------------------|--------------------------------|
| Mixed & Hybrid Connector | No |
| Connector Shape | Rectangular |
| Connector System | Cable-to-Board, Cable-to-Cable |
| Connector & Housing Type | Receptacle |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |
| Primary Locking Feature | Locking Lance |

Configuration Features

| | |
|---------------------|----|
| Number of Positions | 20 |
| Number of Rows | 2 |

Electrical Characteristics

| | |
|------------------------------|------|
| Nominal Voltage Architecture | 12 V |
|------------------------------|------|

Body Features

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



| | |
|-------------------------|---|
| Connector & Keying Code | A |
|-------------------------|---|

Contact Features

| | |
|------------------------------|------------|
| Contact Size | .4mm, .5mm |
| Contact Type | Receptacle |
| Mating Tab Width | .5 mm |
| Contact Current Rating (Max) | 3 A |

Mechanical Attachment

| | |
|-------------------------|----------------------------|
| Mating Alignment Type | Keyed |
| Mating Alignment | With |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

| | |
|--------------------|----------|
| Housing Material | PBT GF10 |
| Centerline (Pitch) | 1.8 mm |

Usage Conditions

| | |
|-----------------------------|--------------|
| Operating Temperature (Max) | 105 °C |
| Operating Temperature Range | -40 – 105 °C |

Operation/Application

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

Other

| | |
|--------------------------------------|----|
| 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: 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 reviewed 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 # CAT-M8793-T273
MQS, RECEPTACLE AND TAB



TE Part # 2317515-1
2X10POS,NANOMQS,HDR ASSY,
90DEG,SMD,COD A

Customers Also Bought



TE Part #DT04-4P
REC, 4P, GRY, N



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #1-963736-1
TAB 5.8x0.8 CONTACT CS SRC Sn



TE Part #1-1703930-1
MQS, RECEPTACLE AND TAB



TE Part #1719261-3
1 POS FAKRA II PLUG HSG CODC
FREE



TE Part #1-2328746-1
2 POS 180 DEG HEADER ASSY V0



TE Part #2301903-1
FAKRA AUT,SOC OTR TRMNL ASSY,
90 DEG



TE Part #K1138171
Relay 26-55-22-909



Documents

Product Drawings

[20POS,NANOMQS,REC HSG,COD A](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2320020-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2320020-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2320020-1_A.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English