

2312120-1 ✓ ACTIVE

TE Internal #: 2312120-1

Receptacle, Cable-to-Cable / Cable-to-Board, 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
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Body Features

Primary Product Color	Black
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Connector & Keying Code	A
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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

Centerline (Pitch)	1.8 mm
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Usage Conditions

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

Operation/Application

Circuit Application	Signal
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Other

Connector Position Assurance Capable	Yes
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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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

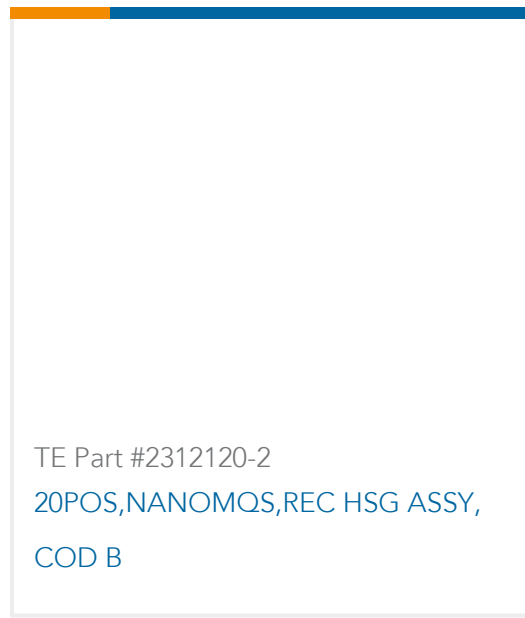
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



Customers Also Bought





Documents

Product Drawings

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

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2312120-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2312120-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2312120-1_A.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English