

2098377-1 ✓ ACTIVE

1.5/2.8 Connector System

TE Internal #: 2098377-1

Housing for Female Terminals, Wire-to-Wire, 20 Position, .138 in [3.52 mm] Centerline, Black, Wire & Cable, Power & Signal, 1.5/2.8 Connector System

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Connectors > Automotive Connectors > Automotive Housings



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

Mating Tab Width: **1.5 mm, 2.8 mm [.059 in, .11 in]**

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

Number of Positions: **20**

Centerline (Pitch): **3.52 mm [.138 in]**

Features

Product Type Features

Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	No
Hybrid Connector	Yes
Primary Locking Feature	Integrated in Housing
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	20
Number of Rows	2

Electrical Characteristics

Nominal Voltage Architecture	12 V
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Body Features

Cable Exit Angle	180°
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Primary Product Color	Black
Connector & Keying Code	A

Contact Features

Contact Size	1.5mm, 2.8mm
Contact Type	Receptacle
Mating Tab Width	1.5 mm, 2.8 mm [.059 in][.11 in]

Mechanical Attachment

Terminal Position Assurance	Yes
Strain Relief	Without
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT GF
Centerline (Pitch)	3.52 mm [.138 in]

Dimensions

Row-to-Row Spacing	6.2 mm [.244 in]
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Usage Conditions

Operating Temperature (Max)	125 °C [257 °F]
Operating Temperature Range	-30 – 125 °C [-22 – 257 °F]

Operation/Application

Circuit Application	Power & Signal
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Industry Standards

Agency/Standard	SAE/USCAR-2
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Packaging Features

Packaging Quantity	390
Packaging Method	Carton

Other

Serviceable	Yes
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: JAN 2023 (233) 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>

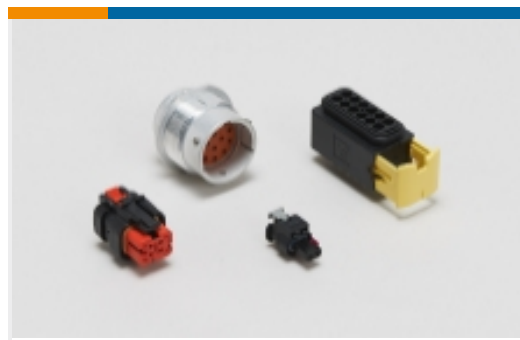
Compatible Parts

 <p>TE Part # 2098380-1 20 POS HYBRID UNSEALED CAP KY-A STD CLIP</p>	 <p>TE Part # 2098380-7 20 POS HYBRID UNSEALED CAP KY-A ECP CLIP</p>	 <p>TE Part # 2098378-1 20P PLUG HOUSING KEY A</p>
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Also in the Series | 1.5/2.8 Connector System



Automotive Connector Caps & Covers (6)



Automotive Housings(35)



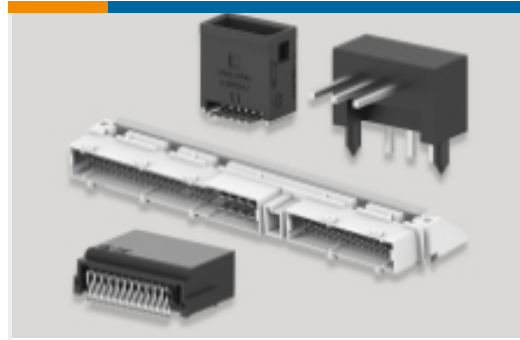
Automotive Terminals(56)



Insertion & Extraction Tools(1)



Other Automotive Connector Accessories(1)



PCB Headers & Receptacles(1)

Customers Also Bought



TE Part #282366-1
MULTILOCK, CONNECTOR HOUSING



TE Part #1924782-2
GET FEM TERM 1.2MM, TS, TIN 1MMSQ



TE Part #1924900-1
Assy, Plug, 30p Hybrid Key A



TE Part #1924396-1
14P MCON 1.2 SCCM Inner Housing



TE Part #2098067-1
Plug Assembly, Hybrid, BCM, IP1, A Key



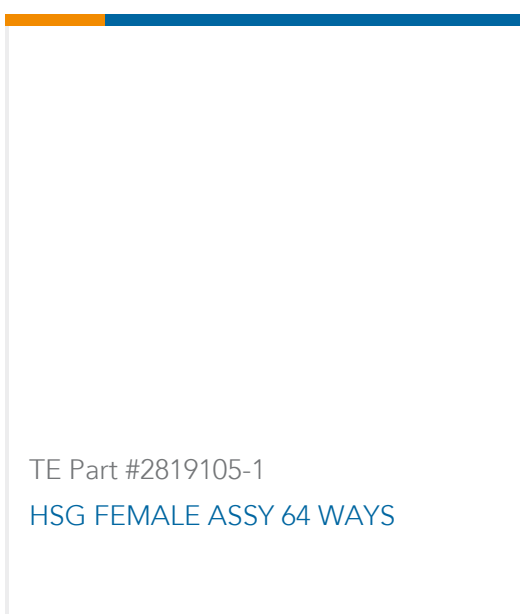
TE Part #1564880-1
GET 0.64,FEMALE TERMINAL 0.13M



TE Part #2133662-1
REC CONN CVR ASSY,64POS,MQS



TE Part #D58196-000
FL2500-NO.2-19-0-50MM



TE Part #2819105-1
HSG FEMALE ASSY 64 WAYS

Documents



Product Drawings

20P PLUG ASSEMBLY UNSEALED HYBRID A-KEY

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2098377-1_A_c-2098377-1-a.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2098377-1_A_c-2098377-1-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2098377-1_A_c-2098377-1-a.3d_stp.zip](#)

English

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

Instruction Sheets

Instruction Sheet (U.S.)

English