2098377-1 ✔ ACTIVE

1.5/2.8 Connector System

TE Internal #: 2098377-1

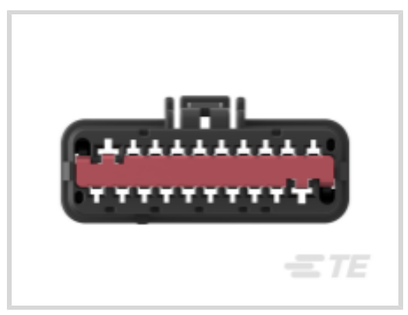
Housing for Female Terminals, Wire-to-Wire, 20 Position, 3.52 mm [.138 in] Centerline, Black, Wire & Cable, Power & Signal, 1.5/2.8 Connector System

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings







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

Number of Positions: **20**

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

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

Sealable: **No**

Features

Product Type Features

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

Configuration Features

Number of Positions	20
Number of Rows	2

Electrical Characteristics

Nominal Voltage Architecture	12 V

Body Features

Cable Exit Angle	180°

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]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

Compatible With Agency/Standards Products	SAE/USCAR-2

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 2098380-1
20 POS HYBRID UNSEALED CAP KY-A STD CLIP

TE Part # 2098378-1
20P PLUG HOUSING KEY A



TE Part # 2098380-7
20 POS HYBRID UNSEALED CAP KY-A ECP CLIP

Also in the Series | 1.5/2.8 Connector System



Automotive Connector Caps & Covers (4)



Automotive Housings(27)



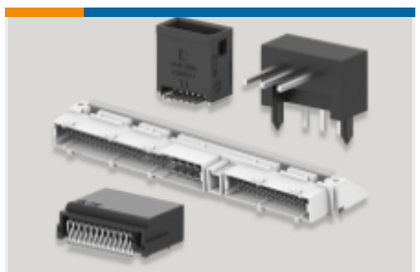
Automotive Terminals(50)



Insertion & Extraction Tools(1)



Other Automotive Connector Accessories(1)

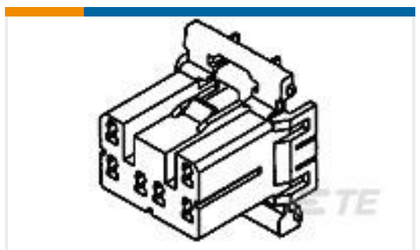


PCB Headers & Receptacles(1)

Customers Also Bought



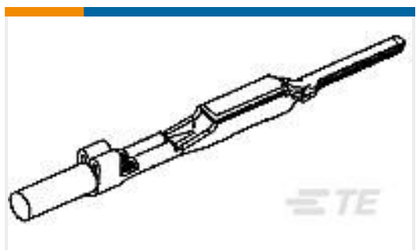
TE Part #368037-2
PL 250 REC 0.30-0.56MM2 0.40X21. 0PRE-TIN



TE Part #282366-1
070 MULTILOCK PLUG HSG. 8 POS



TE Part #2272431-1
1X6 GET UNSLD SIDE LATCH PLUG, KEY A



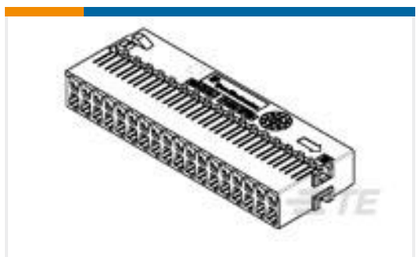
TE Part #1376039-1
040 NK TAB CONT PRE TIN



TE Part #1719957-1
GET 0.64 TERMINAL WIRE SIZE 0.



TE Part #2098067-2
Plug Assembly, Hybrid, BCM, IP2, B Key



TE Part #1924340-1
36P, 2 Row Carrier for 54P LAC



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



TE Part #2288276-1
Assy,Plug,USCAR,GenY,20p,Key A, No CPA



TE Part #3-2208804-5
53POS MIXED MQS REC SEALED COD 3

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

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

1-794222-0 1-962915-1 141991-2 2310537-1 CPF0402B37K4E1 SBCHE64R7K SMW73R0JT 936348-1
1969656-1 2-292161-3 2377783-2 917696-1 RH73H2A40MKTN 1743455-2 175977-2 TE50BR39J
1393431-1 3631B101LL ROX05SJ18R 2834055-1 3430B2F51RTDF SBCHE154R7K 2005330-1 2380312-2
3-1393225-0 1903112-2 650075-000 CRGCQ2010J3K3 MPT100C18RF U5254-000005-030PA