2098377-1 ✔ ACTIVE

AMP | 1.5/2.8 Connector System

TE Internal #: 2098377-1

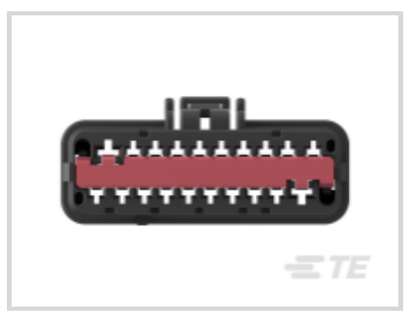
12 V, 20 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 3.52 mm [.14 in] Centerline, Black, Wire & Cable, 1.5/2.8 Connector System

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Housings







Nominal Voltage Architecture: **12 V**

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

Number of Positions: **20**

Sealable: **No**

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

Features

Product Type Features

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

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

Strain Relief	Without
Terminal Position Assurance	Yes
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[.14 in]

Dimensions

Row-to-Row Spacing	6.2 mm[.24 in]
Product Width	46.1 mm[1.81 in]
Product Length	29.2 mm[1.14 in]
Connector Height	20.25 mm[.79 in]

Usage Conditions

Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
Operating Temperature (Max)	125 °C[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

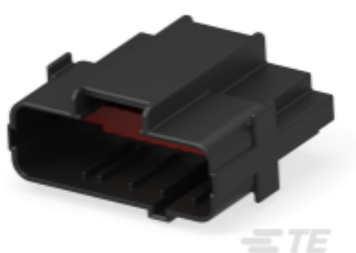
For compliance documentation, visit the product page on TE.com>

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 2098380-7
20 POS HYBRID UNSEALED CAP KY-A ECP CLIP

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

Also in the Series | 1.5/2.8 Connector System



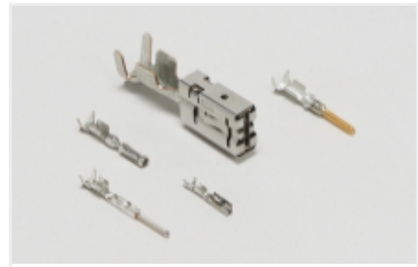
Automotive Connector Caps & Covers (3)



Automotive Housings(103)



Automotive Signal & Power Headers(1)

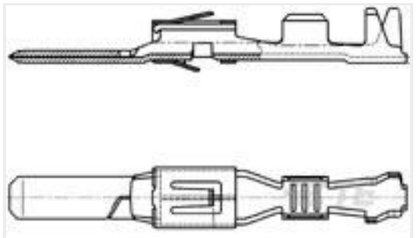


Automotive Terminals(46)

Customers Also Bought



TE Part #640309-3
UMNL PIN 12-10 PTPPHBZ



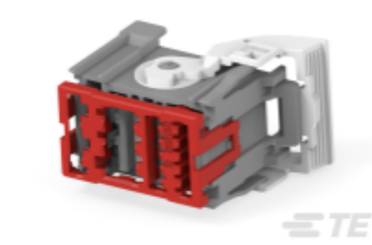
TE Part #962880-1
JUNIOR POWER TIMER TAB 2,8



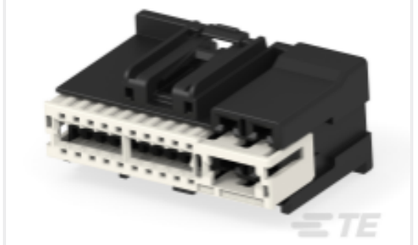
TE Part #4-1418469-1
6POS,AMP MCP1.5K,REC. HSG,CODD



TE Part #CAT-G3353-CH8172
GET .64 CONNECTOR SYSTEM, CONNECTOR HSG



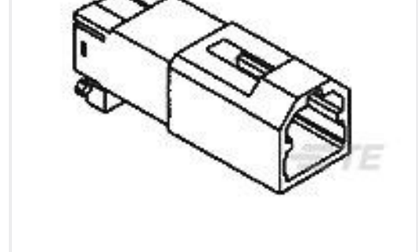
TE Part #2098627-2
22P UNSEALED HYBRID PLUG ASSEM



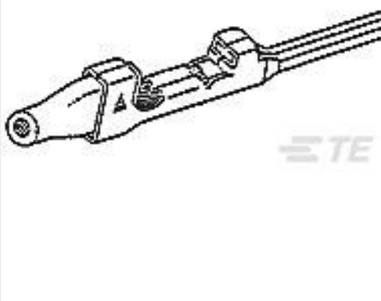
TE Part #2288274-1
24P HYBRID 0.64/2.8 PLUG ASSY, A KEY



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



TE Part #174057-2
040 MULTILOCK CAP 2P



TE Part #175063-1
040 MULTILOCK TAB CONT. L/P

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