



1.5/2.8 Connector System

TE Internal #: 2098377-4

Housing for Female Terminals, Wire-to-Wire, 20 Position, .139 in [3.52 mm] Centerline, Yellow, Signal, 1.5/2.8 Connector System

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Connectors > Automotive Connectors > Automotive Housings > 1.5/2.8 CONNECTOR SYSTEM, HOUSING



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** [.139 in]

[All 1.5/2.8 CONNECTOR SYSTEM, HOUSING \(18\)](#)

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

Configuration Features

Number of Positions	20
Number of Rows	2

Electrical Characteristics

Operating Voltage	24 VDC
Nominal Voltage Architecture	12 V, 24 V

Body Features



Cable Exit Angle	180°
Primary Product Color	Yellow
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 [.139 in]

Dimensions

Connector Height	20.25 mm [.797 in]
Product Width	46.1 mm [1.815 in]
Product Length	24.7 mm [.972 in]
Row-to-Row Spacing	6 mm [.236 in]

Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C [158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F]
Operating Temperature Range	-40 – 125 °C [-40 – 257 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

Degree of Protection	IP2B
UL Flammability Rating	UL 94V-0

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: JAN 2023 (233) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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



Also in the Series | 1.5/2.8 Connector System



Automotive Connector Caps & Covers (6)



Automotive Housings(30)



Automotive Terminals(52)



Insertion & Extraction Tools(1)



Other Automotive Connector Accessories(1)

Customers Also Bought



TE Part #1-487544-4
017 HOUSING FFC RCPT 050CL SR



TE Part #1563308-2
24POS, MIXED,PIN HSG,ASSY



TE Part #2-1658063-3
MSB0.80PL5ASY120FL,-,10,-TY



TE Part #1-1776544-2
12P .563" DR, 600V



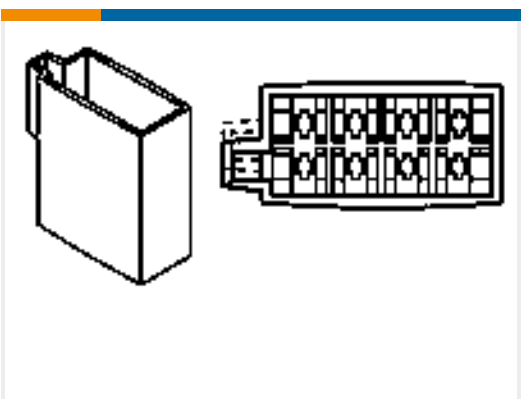
TE Part #1-2295321-6
RITS CONN. SOCKET ASSY 6P RED TIN



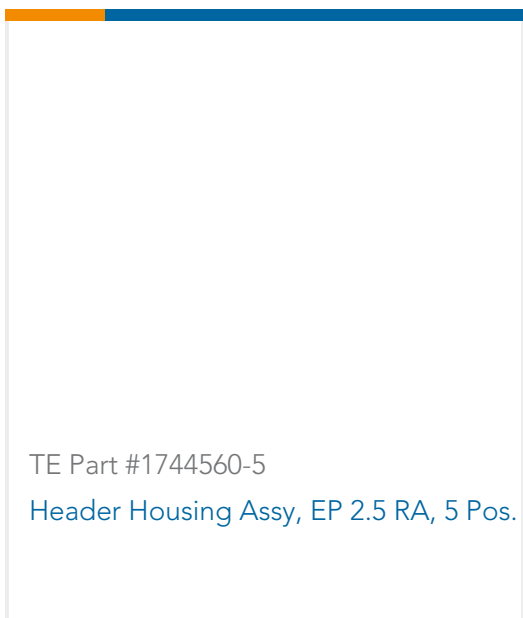
TE Part #1732175-2
2+5 Sealed Connector Ass'y



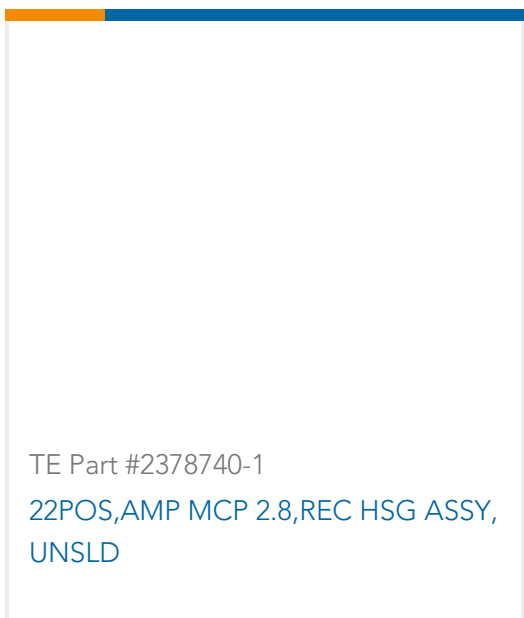
TE Part #1-2017393-2
C/A RPM777193/01100 ET-ET



TE Part #106456-1
10P.FASTIN-ON HSG.



TE Part #1744560-5
Header Housing Assy, EP 2.5 RA, 5 Pos.



TE Part #2378740-1
22POS,AMP MCP 2.8,REC HSG ASSY, UNSLD

Documents



Product Drawings

20P PLUG ASSEMBLY UNSEALED HYBRID A-KEY

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2098377-4_A_c-2098377-4-a.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2098377-4_A_c-2098377-4-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2098377-4_A_c-2098377-4-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