



Connectors > Automotive Connectors > Data Connectivity Systems > Data Connectivity Headers



Mating Tab Width: .5 mm, 1.5 mm [.019 in, .059 in]
Mating Tab Thickness: .4 mm, .64 mm [.025 in, .015 in]
Connector & Keying Code: A
Connector System: Wire-to-Board
Number of Positions: 8

Features

Contact Features

Mating Tab Width	.5 mm, 1.5 mm[.019 in][.059 in]
Mating Tab Thickness	.4 mm, .64 mm[.025 in][.015 in]
Contact Current Rating (Max)	20 A, 3 A
Contact Mating Area Plating Material	Silver
Contact Type	Pin

Body Features

Connector & Keying Code	A
PCB Retention Feature Plating Material	Tin
Body Material	PBT GF20

Product Type Features

Connector System	Wire-to-Board
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board
Mixed & Hybrid Connector	Yes



Configuration Features

Number of Positions	8
PCB Mount Orientation	Vertical

Housing Features

Centerline (Pitch)	4 mm, 1.8 mm[.157 in][.07 in]
Housing Color	Black

Operation/Application

Shielded	Yes
Circuit Application	Power & Signal
Solder Process	Wave Solder
Assembly Process Feature	Board Standoff

Usage Conditions

Operating Temperature (Max)	140 °C[284 °F]
Operating Temperature Range	-40 – 140 °C[-40 – 284 °F]

Mechanical Attachment

Connector Mounting Type	Panel Mount
Panel Attachment Style	Rear Mount
PCB Mount Retention	With
Mating Retention	With
PCB Mount Retention Type	Boardlock

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant
Outer Contact Plating Material	Nickel (Ni)
Interface Number	208-18144

Electrical Characteristics

Operating Voltage	60 VDC
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Signal Characteristics

Operating Frequency Range	0 – 1000 MHz, 0 – 100 MHz
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Termination Features

Termination Method to PCB	Through Hole - Solder
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Dimensions

Product Width	41.5 mm[1.63 in]
Product Length	50 mm[1.968 in]
Connector Height	38 mm[1.49 in]

Industry Standards

IP Rating	IP6K9K
Compatible With Agency/Standards Products	ISO 8092

Packaging Features

Packaging Quantity	112
Packaging Method	Box

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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

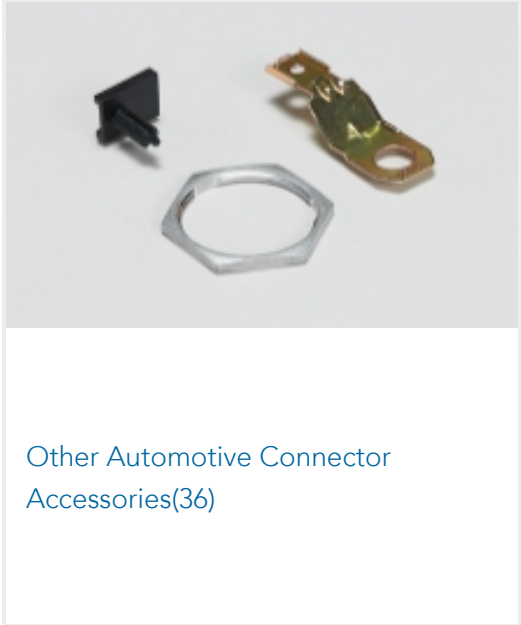
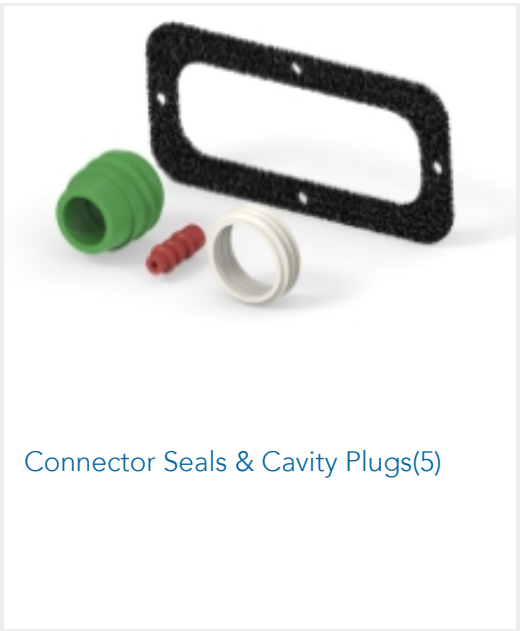
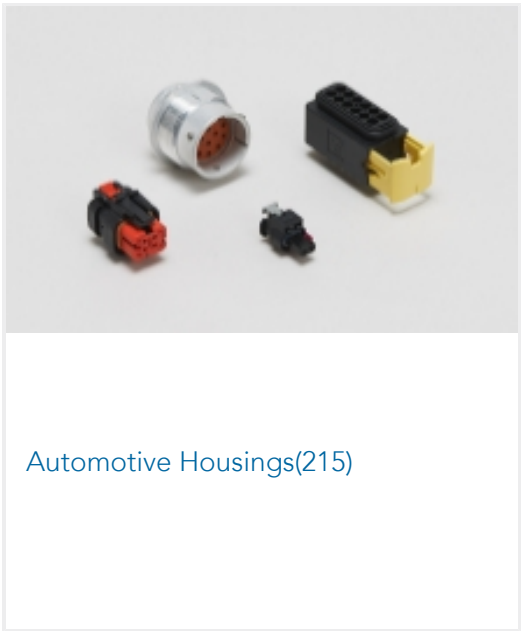
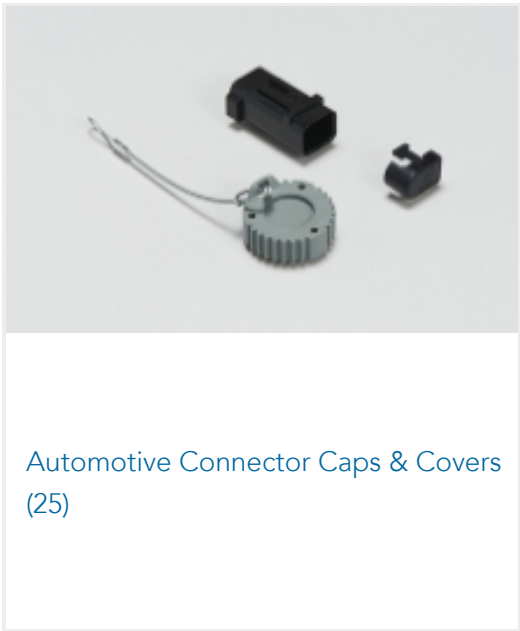
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



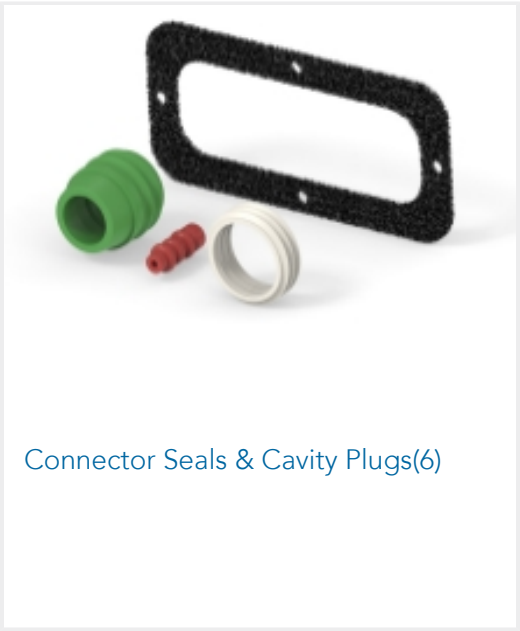
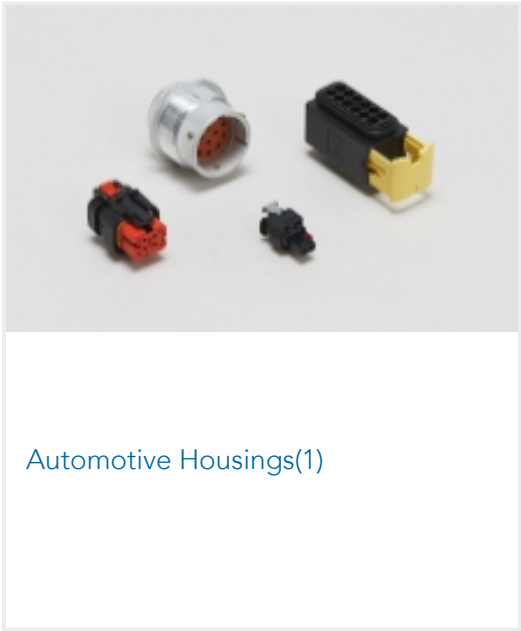
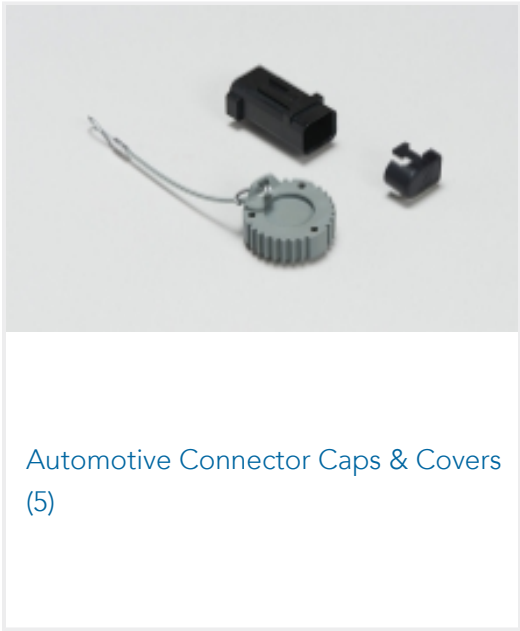
Also in the Series

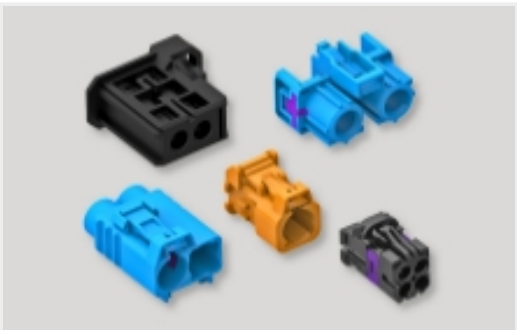
Heavy Duty Sealed Connector Series



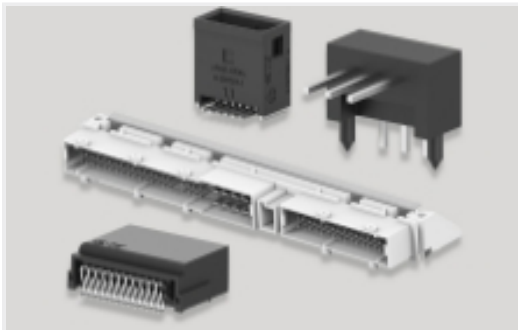
Also in the Series

MATEnet



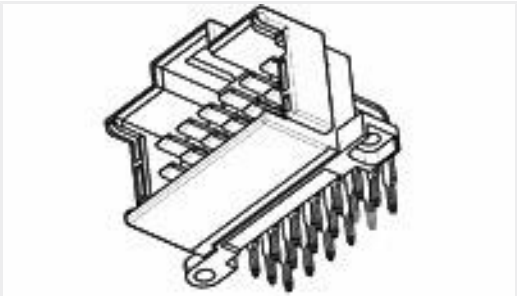


Data Connectivity Housings(29)



PCB Headers & Receptacles(2)

Customers Also Bought



TE Part #9-966140-2
MESSERLEISTE 15P



TE Part #967618-2
Signal Header



TE Part #626034-1
RING TONGUE 1.0-2.5 MM2 .236 X .521 BR



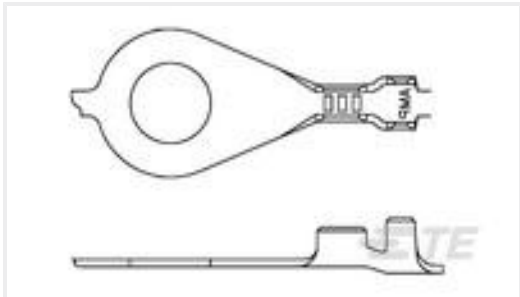
TE Part #964274-2
TIMER, RECEPTACLE AND TAB



TE Part #1802162-1
1-PORT MATENET HDR 90DEG SEALED, COD A



TE Part #735212-1
FF 250 REC 22-17AWG BR



TE Part #880661-3
RING TONGUE 0.5-1.0 MM2 0.61X14.60 TPBR

Documents

Product Drawings

HD MATEnet 1+6 HDR ASSY, GRP D, 180DEG

English

HD MATEnet 1+6 HDR ASSY, GRP D, 180DEG

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_9-2363903-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_9-2363903-1_D.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_9-2363903-1_D.2d_dxf.zip



English

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

Datasheets & Catalog Pages
DATA CONNECTIVITY SOLUTIONS

English

Product Specifications
Application Specification

English