

2-1703639-1 ✓ ACTIVE

AMP | Heavy Duty Sealed Connector Series

TE Internal #: 2-1703639-1

Housing for Female Terminals, Wire-to-Wire, 12 Position, .157 in [4 mm] Centerline, Sealable, Gray, Signal, Heavy Duty Sealed Connector Series

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Connectors > Automotive Connectors > Automotive Housings > Heavy Duty Sealed Connector Series Housings



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

Mating Tab Width: **1.6 mm [.063 in]**

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

Number of Positions: **12**

Centerline (Pitch): **4 mm [.157 in]**

[All Heavy Duty Sealed Connector Series Housings \(204\)](#)

Features

Product Type Features

Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	On the Terminal

Configuration Features

Number of Positions	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	60 VDC
Nominal Voltage Architecture	12 V, 24 V, 42 V, 60 V

Body Features

Primary Product Color	Gray
Connector & Keying Code	B

Contact Features



Contact Size	1.5K
Contact Type	Receptacle
Mating Tab Width	1.6 mm[.063 in]
Contact Current Rating (Max)	20 A

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)	4 mm[.157 in]

Dimensions

Connector Height	31.25 mm[1.23 in]
Product Width	25.7 mm[1.012 in]
Product Length	54.1 mm[2.13 in]

Usage Conditions

Operating Temperature (Max)	70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F][284 °F]
Operating Temperature Range	-40 – 140 °C[-40 – 284 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

Degree of Protection	IP67
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	300
Packaging Method	Box

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: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # CAT-H3399-CH8172
Heavy Duty Sealed Connector Series Housings



TE Part # CAT-H3399-B128
Heavy Duty Sealed Connector Series Backshells



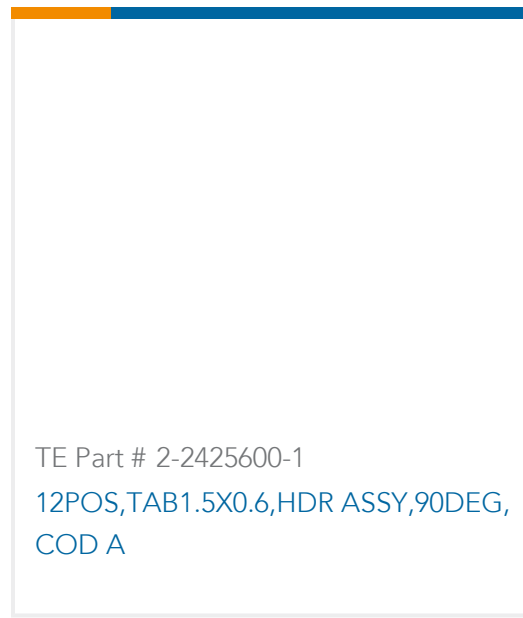
TE Part # 964972-1
EINZELLEITERDICHTUNG



TE Part # 2112302-1
PROTECTION CAP, FOR REC.HSG GROUP D

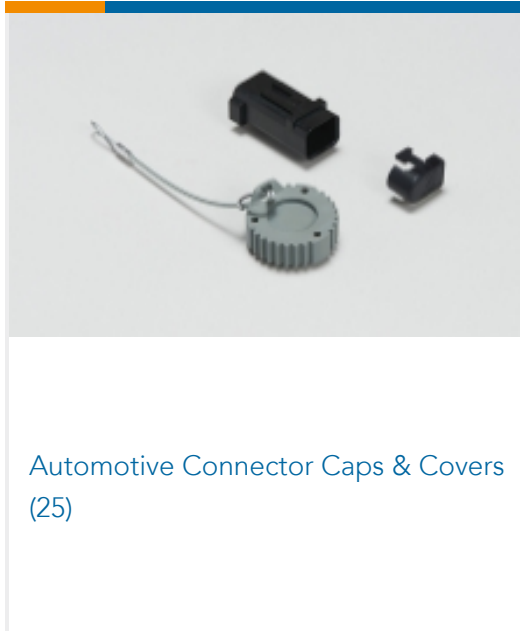


TE Part # CAT-AM705-T273
AMP MCP, RECEPTACLE AND TAB

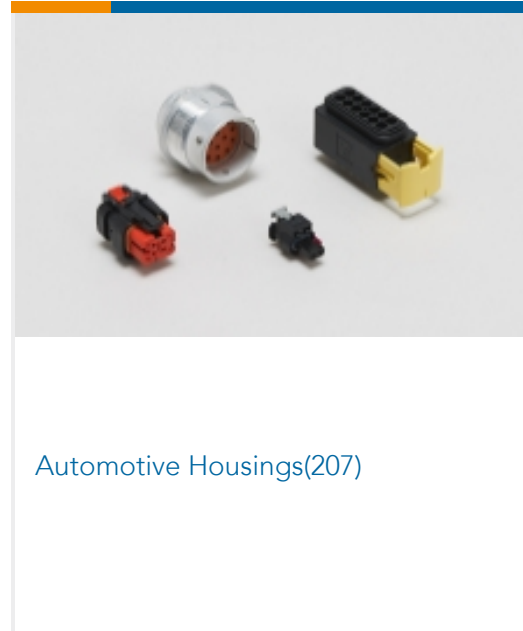


TE Part # 2-2425600-1
12POS,TAB1.5X0.6,HDR ASSY,90DEG,
COD A

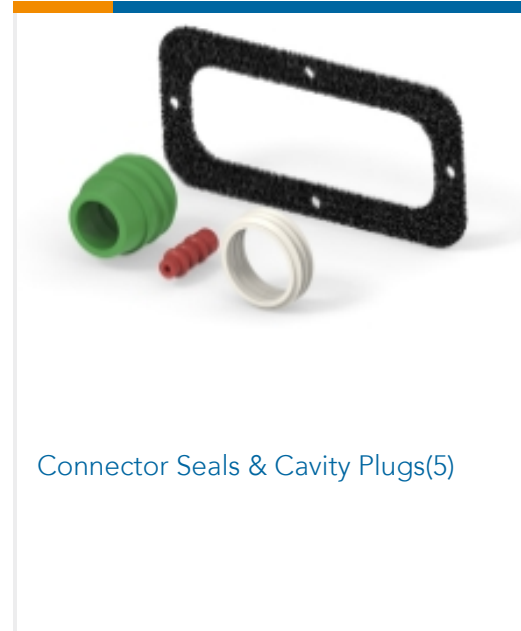
Also in the Series | Heavy Duty Sealed Connector Series



Automotive Connector Caps & Covers
(25)



Automotive Housings(207)



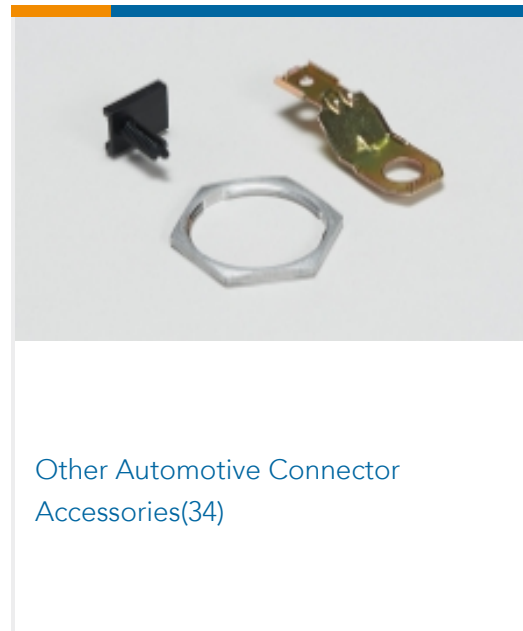
Connector Seals & Cavity Plugs(5)



Data Connectivity Headers(2)



Data Connectivity Housings(18)



Other Automotive Connector
Accessories(34)



PCB Headers & Receptacles(1)

Customers Also Bought



TE Part #1-1703639-1
Heavy Duty Sealed Connector Series
Housings



TE Part #1418882-1
COVER FOR 62POS.REC.HSG



TE Part #1-967325-1
2,5MM BU-GEH 4P



TE Part #1241608-6
MQS1,5 Ag rec CB unseal. 0,75-1,5



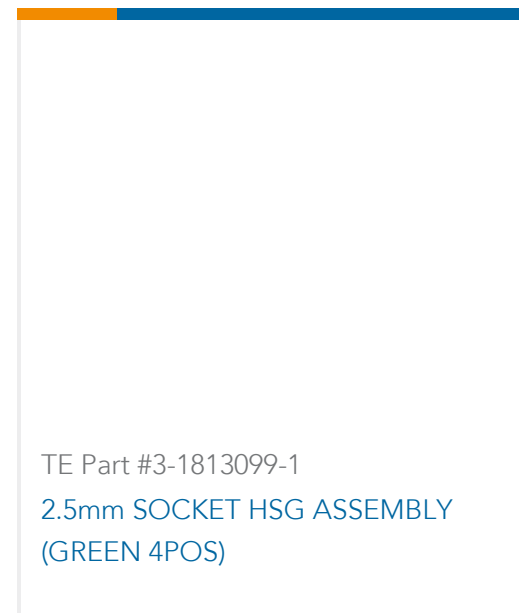
TE Part #2209545-1
94P,MQS CB,REC HSG,ASSY,SEALED



TE Part #2345388-1
2POS,AMP MCP 2.8,REC HSG ASSY,
SLD,COD 1



TE Part #2345390-2
3POS,AMP MCP 2.8,REC HSG ASSY,
SLD,COD 2



TE Part #3-1813099-1
2.5mm SOCKET HSG ASSEMBLY
(GREEN 4POS)



Documents

Product Drawings

[12POS,AMP MCP1.5K,REC HSG,ASSY](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_2-1703639-1_J.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-1703639-1_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1703639-1_J.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[HDSCS Catalog](#)

English

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

Product Specifications

[Product Specification](#)

English