

2138711-1 ✓ ACTIVE

AMP | FAKRA RF Connector System

TE Internal #: 2138711-1

Data Connectivity Housings, Housing for Male Terminals, A, Wire-to-Wire, 1 Position, Cable Exit Angle 180°, Crimp, FAKRA RF Connector System

[View on TE.com >](#)



Connectors > Automotive Connectors > Data Connectivity Systems > Data Connectivity Housings



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

Connector & Keying Code: **A**

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

Number of Positions: **1**

Sealable: **No**

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector & Contact Terminates To	Wire & Cable
Connector & Housing Type	Housing for Male Terminals
Connector System	Wire-to-Wire
Sealable	No

Configuration Features

Number of Positions	1
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Electrical Characteristics

Impedance	50 Ω
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Signal Characteristics

Operating Frequency Range	0 – 3000 MHz
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Body Features

Connector & Keying Code	A
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Cable Exit Angle	180°
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Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Housing Color	Jet Black
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Dimensions

Connector Height	11.45 mm[.45 in]
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Product Width	11.56 mm[.455 in]
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Product Length	21.38 mm[.841 in]
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Usage Conditions

Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[149 °F][158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F]
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Cable Type	Coax
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Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
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Operation/Application

Shielded	No
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Circuit Application	Signal
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Industry Standards

Compatible With Agency/Standards Products	SAE/USCAR-18
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Packaging Features

Packaging Quantity	500
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Packaging Method	Package
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	
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Current ECHA Candidate List: JUNE 2024

(241)

Candidate List Declared Against: JAN 2024

(240)

Does not contain REACH SVHC

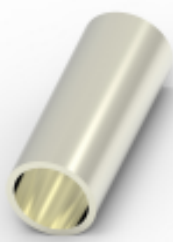

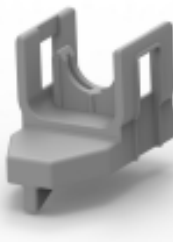





Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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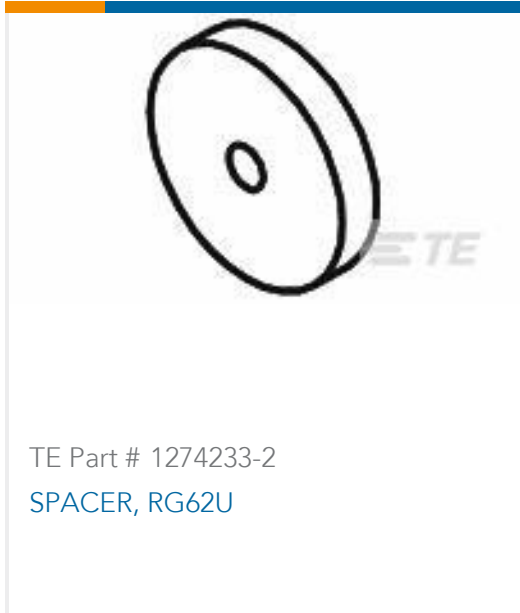
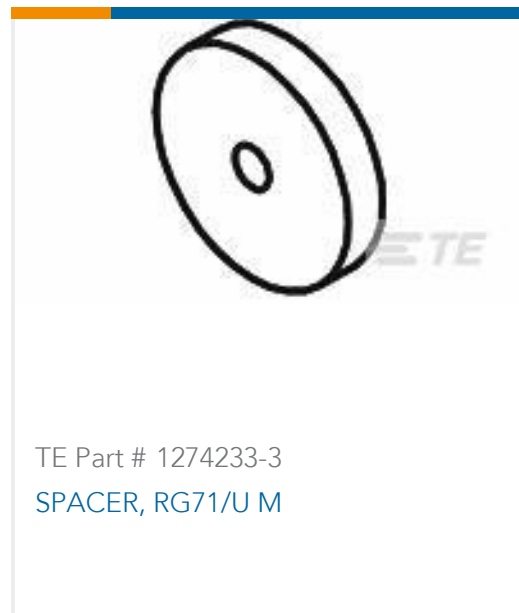
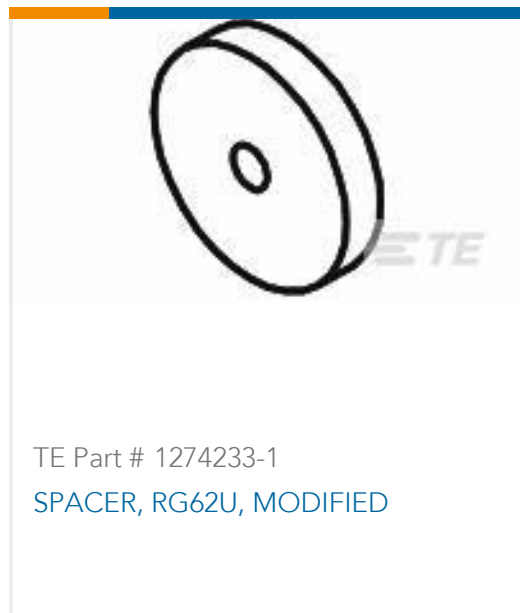
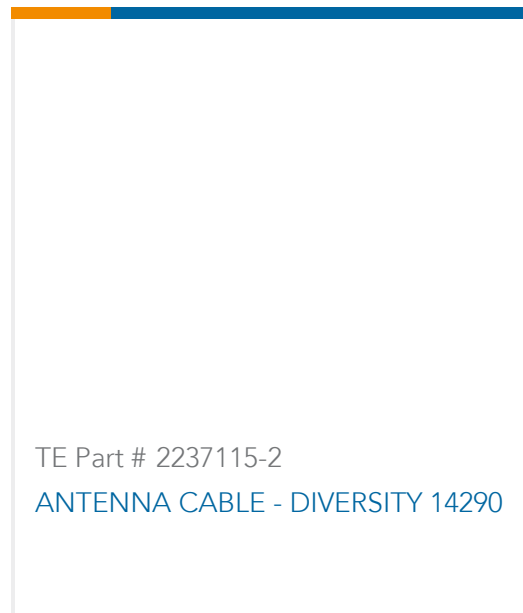
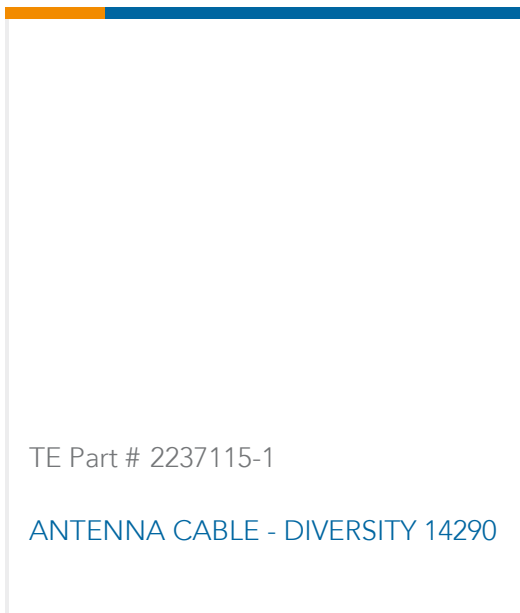
Solder Process Capability	Not applicable for solder process capability
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Product Compliance Disclaimer

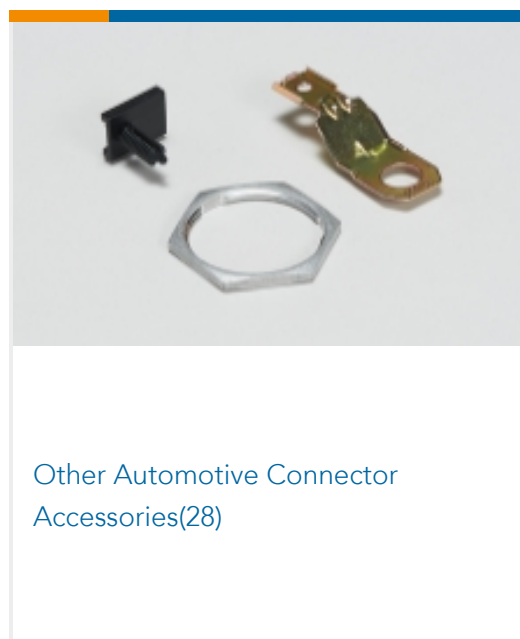
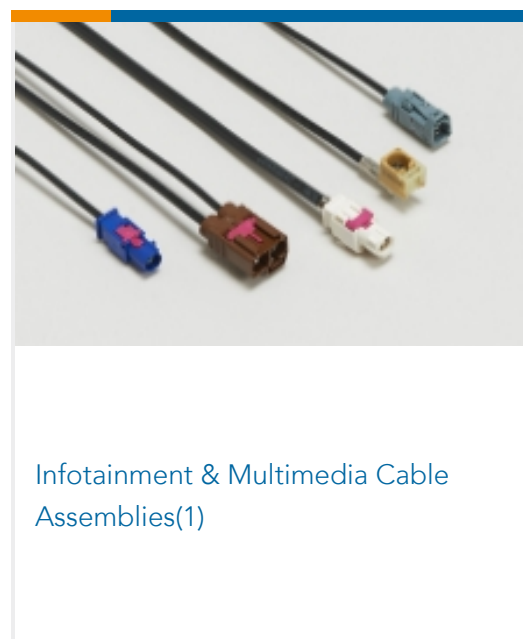
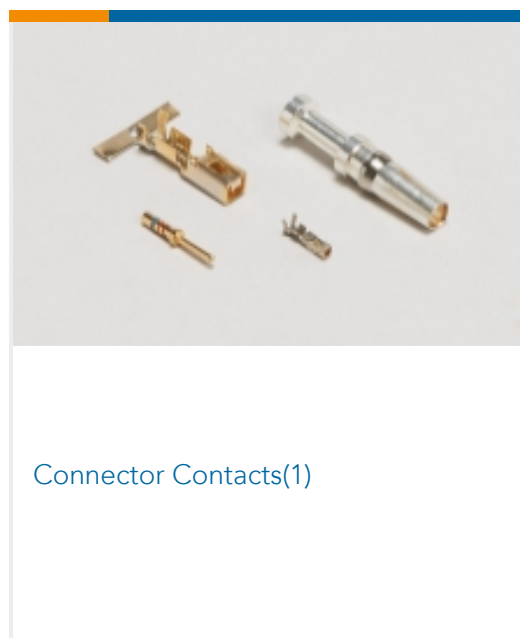
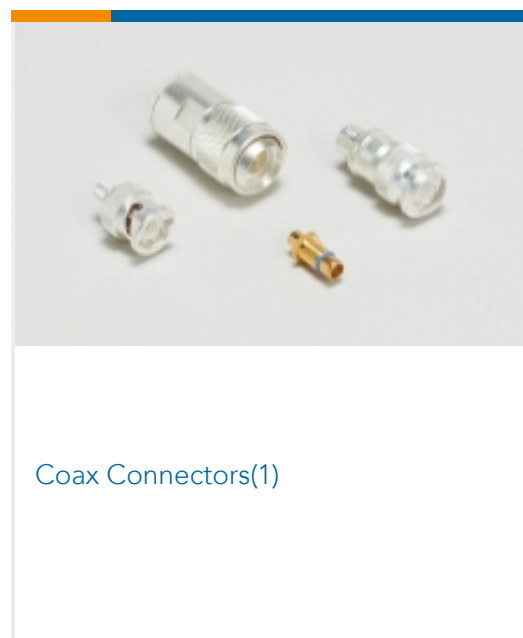
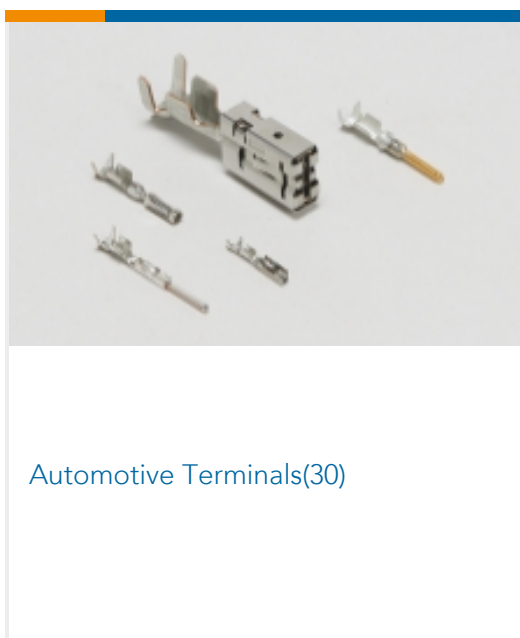
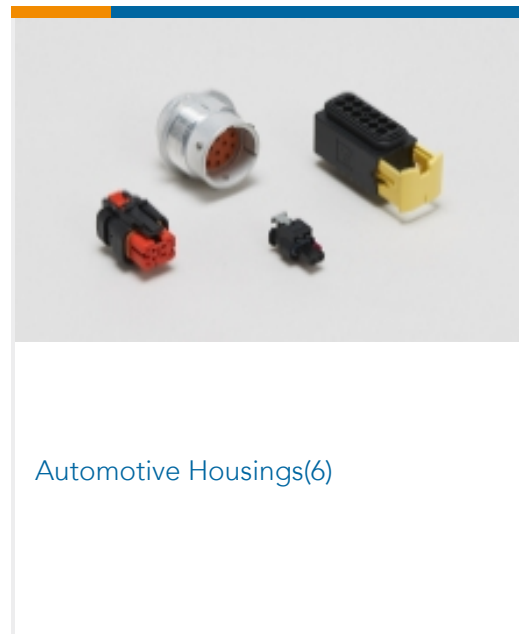
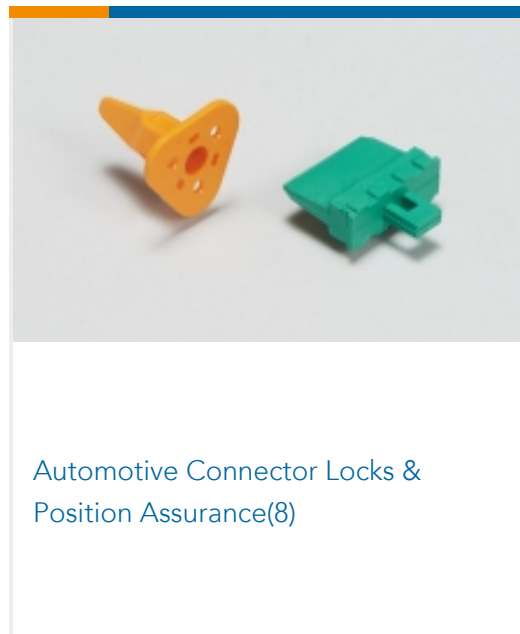
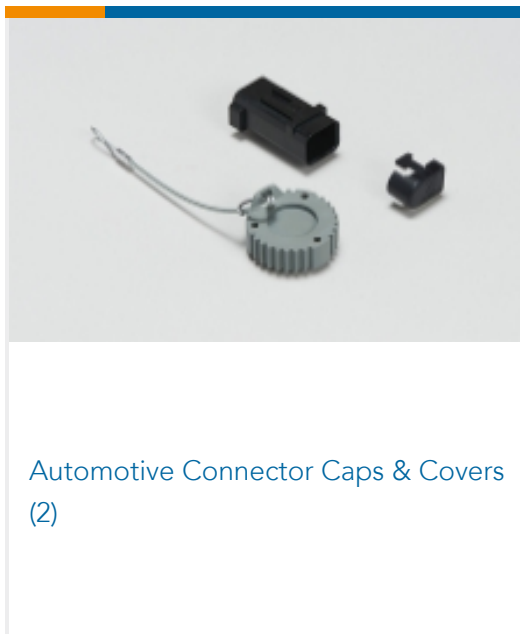
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

 <p>TE Part # 1-413889-3 FERRULE, NI PLTD</p>	 <p>TE Part # 1438889-1 JACK SUBASSEMBLY, RG-62, RG-62U /M, 18</p>	 <p>TE Part # 1438894-2 Lock with Body clip, 1 Pos, SMB</p>	 <p>TE Part # 1488167-1 FERRULE, RTK031, 180 GRAD</p>
 <p>TE Part # 2098286-1 JACK SUBASSEMBLY, RTK031, FAKRA</p>	 <p>TE Part # 2138495-1 PLUG HOUSING, 1 POSITION, FAKRA, Key A</p>	 <p>TE Part # 1438910-1 JACK SUBASSEMBLY, RG-58 AND RG-58LL, 180</p>	 <p>TE Part # 2237106-1 ANTENNA CABLE - DIVERSITY 14290</p>



Also in the Series | FAKRA RF Connector System





RF Contacts(6)

Customers Also Bought



TE Part #1438893-2
PLUG HOUSING, 1 POSITION, 180 DEGREE, FA



TE Part #1438893-4
PLUG HOUSING, 1 POSITION, 180 DEGREE, FA



TE Part #1438893-8
PLUG HOUSING, 1 POSITION, 180 DEGREE, FA



TE Part #5-1924856-3
Plug HOUSING, 2 POSN, FAKRA, Key C, clp



TE Part #776759-1
LOCK, 1 POS, RG-174, 90 DEG, FAKRA, SMB



TE Part #776760-1
End Cap, 1 POS, RG-174, 90 DEG, FAKRA



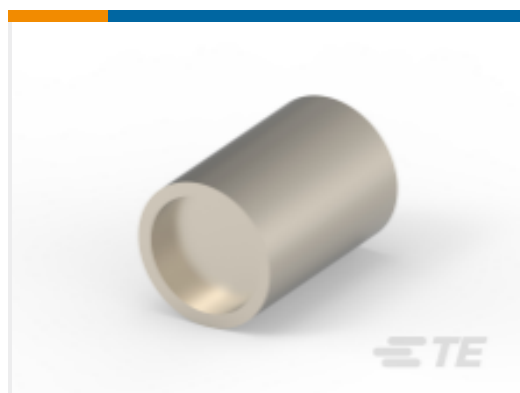
TE Part #1326646-1
CRIMP FERRULE, TIN PLATED



TE Part #1438895-1
PLUG SUBASSEMBLY, RG-62 AND RG-62U/M, 18



TE Part #1438921-2
FERRULE, RIGHT ANGLE, RG-58, SMB



TE Part #1488499-3
FERRULE, NI PLT, RG58, FAKRA

Documents

Product Drawings

JACK HOUSING, 1 POSITION, 180

English

CAD Files

Customer View Model

ENG_CVM_CVM_2138711-1_A1.3d_igs.zip

English

Customer View Model



[ENG_CVM_CVM_2138711-1_A1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2138711-1_A1.2d_dxf.zip](#)

English

3D PDF

3D

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

Product Specifications

Application Specification

English