



TE Internal #: 1599027-1  
42 Position Housing, Housing for Male Terminals, Wire-to-Wire, 4.2 mm [.165 in] Centerline, Sealable, Black, Wire & Cable, Power & Signal  
[View on TE.com >](#)

Connectors > Automotive Connectors > Automotive Housings



Number of Positions: 42  
Connector & Housing Type: **Housing for Male Terminals**  
Mating Pin Diameter: 1.6 mm [.63 in]  
Connector System: **Wire-to-Wire**  
Centerline (Pitch): 4.2 mm [.165 in]

Features

Mechanical Attachment

Mating Alignment Type	Polarized
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Contact Features

Contact Size	2.8mm
Contact Type	Pin
Mating Pin Diameter	1.6 mm[.63 in]

Product Type Features

Connector Shape	Rectangular
Mixed & Hybrid Connector	Yes
Connector & Housing Type	Housing for Male Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Primary Locking Feature	Clean Body



Connector & Contact Terminates To	Wire & Cable
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Configuration Features

Number of Positions	42
Number of Rows	6

Electrical Characteristics

Nominal Voltage Architecture	12 V
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Body Features

Primary Product Color	Black
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Housing Features

Centerline (Pitch)	4.2 mm[.165 in]
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Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
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Other

Connector Position Assurance Capable	No
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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: JUL 2017 (174) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free




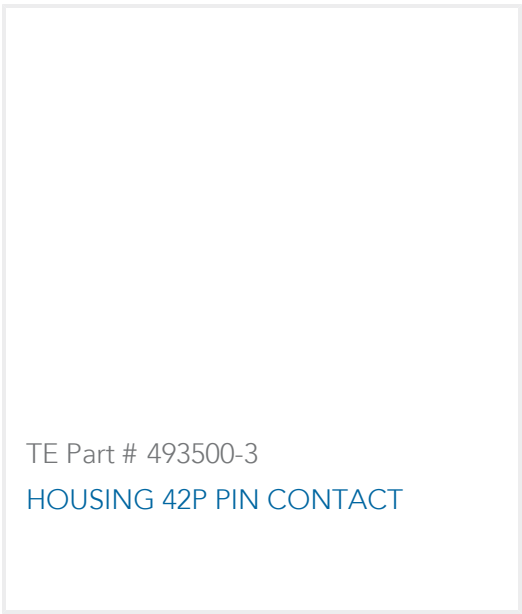
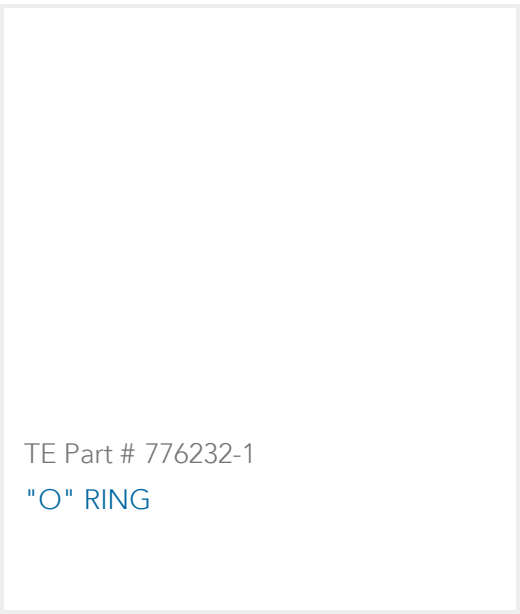

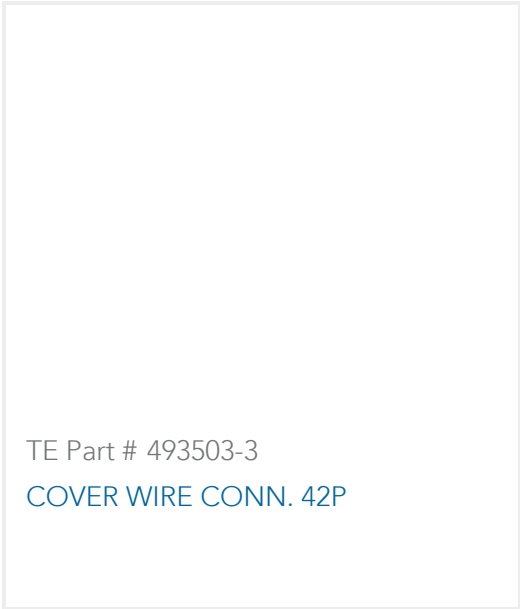
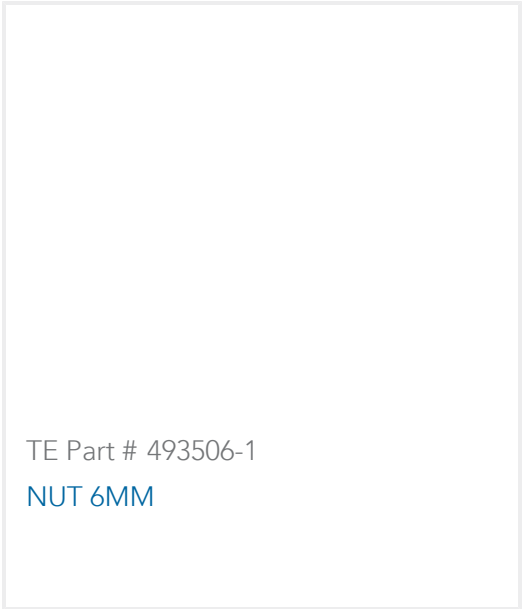

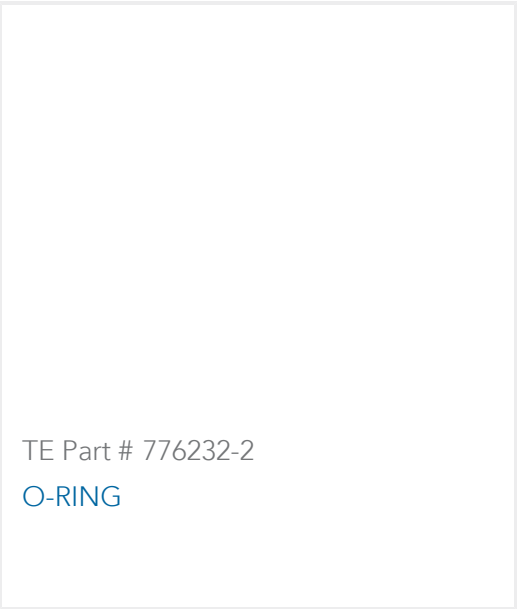

Solder Process Capability

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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

 <p>TE Part # 493507-1 GROMMET</p>	 <p>TE Part # 493500-3 HOUSING 42P PIN CONTACT</p>	 <p>TE Part # 776232-1 "O" RING</p>	 <p>TE Part # 493501-1 SPACER TPA SIDE S</p>
 <p>TE Part # 493503-3 COVER WIRE CONN. 42P</p>	 <p>TE Part # 493506-1 NUT 6MM</p>	 <p>TE Part # 493502-1 SPACER TPA CENTRAL</p>	 <p>TE Part # 776232-2 O-RING</p>
 <p>TE Part # 1599028-1 HSG ASSY 42P SOCKET CONTACT</p>			

Customers Also Bought



TE Part #6-1333203-2  
ANVIL, COMB. (.070)

TE Part #1-1333204-5  
ANVIL, COMBINATION .080

TE Part #1-1633932-1  
ANVIL, COMBINATION

TE Part #2-1333225-1  
ANVIL, COMB., SPECIAL

ANVIL REPRESENTATION ONLY

TE Part #2-1633932-9  
ANVIL, COMBINATION

TE Part #5-1673600-2  
CRIMPER, WIRE F (.093")

TE Part #1599028-1  
HSG ASSY 42P SOCKET CONTACT

ANVIL REPRESENTATION ONLY

TE Part #1-1803057-9  
ANVIL, COMBINATION

TE Part #EK4956-000  
FLTWC0319-20-2-L376

TE Part #638393-3  
10P PLUG ASSY C KEY -W/O CPA

Documents

Product Drawings  
HSG ASSY 42P PIN CONTACT

English

CAD Files

3D PDF

3D

Customer View Model  
ENG\_CVM\_CVM\_1599027-1\_B.2d\_dxf.zip

English

Customer View Model  
ENG\_CVM\_CVM\_1599027-1\_B.3d\_igs.zip

English

Customer View Model  
ENG\_CVM\_CVM\_1599027-1\_B.3d\_stp.zip

English

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Product Specifications



Application Specification

English