



Connectors > Contacts > Connector Contacts



Contact Type: **Socket**
Contact Mating Area Plating Material: **Gold**
Wire Contact Termination Area Plating Material: **Gold**
Operating Voltage: **600 VAC**
Contact Retention Within Housing: **Without**

Features

Product Type Features

Discrete Wire Type	Stranded
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Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Mating Pin Diameter	2.2 mm[.086 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
Wire Contact Termination Area Plating Thickness	.76 µm[30 µin]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Type	Socket
Contact Mating Area Plating Material	Gold
Wire Contact Termination Area Plating Material	Gold



Contact Retention Within Housing	Without
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	7 A

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

Dimensions

Compatible Insulation Diameter Range	.81 – 1.45 mm[.032 – .057 in]
Wire Size	.05 – .13 mm ²

Usage Conditions

Operating Temperature Range	-55 – 120 °C[-67 – 248 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

Compatible With Agency/Standards Products	CSA, UL, VDE
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Packaging Features

Packaging Quantity	5000
Packaging Method	Reel

Product Compliance

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

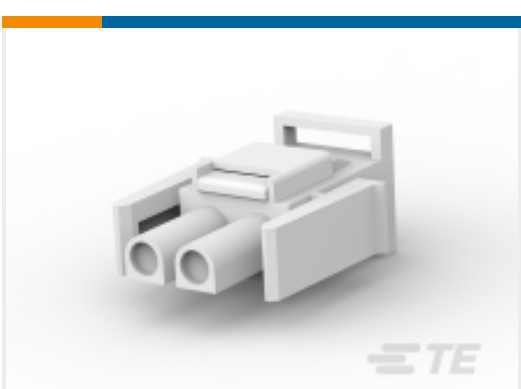
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	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 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 # 539972-1 EXTRACTION TOOL	 TE Part # 455830-1 INSERTION TOOL	 TE Part # 770022-1 12P UMNLI IN-LNE PLUG HSG KIT	 TE Part # 770019-1 04P UMNLI IN-LNE PLUG HSG KIT
 TE Part # 770028-1 09P UMNLI IN-LINE CAP HSG KIT	 TE Part # 770026-1 04P UMNLI IN-LINE CAP HSG KIT	 TE Part # 770024-1 02P UMNLI IN-LINE CAP HSG KIT	 TE Part # 770029-1 12P UMNLI IN-LINE CAP HSG KIT
 TE Part # 770021-1 09P UMNLI IN-LNE PLUG HSG KIT	 TE Part # 770030-1 15P UMNLI IN-LINE CAP HSG KIT	 TE Part # 770018-1 03P UMNLI IN-LNE PLUG HSG KIT	 TE Part # 770027-1 06P UMNLI IN-LINE CAP HSG KIT
 TE Part # 770025-1 03P UMNLI IN-LINE CAP HSG KIT	 TE Part # 770017-1 02P UMNLI IN-LNE PLUG HSG KIT	 TE Part # 770020-1 06P UMNLI IN-LNE PLUG HSG KIT	 TE Part # 770023-1 15P UMNLI IN-LNE PLUG HSG KIT





TE Part # 9-1579007-5
EXTRACTION TOOL



TE Part # 770016-1
05P UMNLIH IN-LNE PLUG HSG KIT

Also in the Series

Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Caps & Covers(34)



Connector Contacts(209)



Connector Hardware(12)



Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



Insertion & Extraction Tools(4)



Rectangular Connector Housings(1)



Rectangular Power Connectors(670)



Standard Circular Connectors(1)

Customers Also Bought



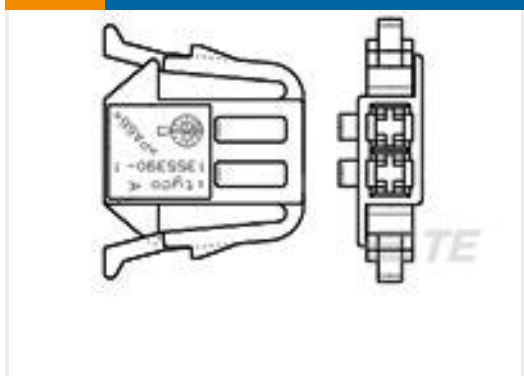
TE Part #T4110001041-000
M12,FEMALE,STRAIGHT,A CODE,4P, PG7,GOLD



TE Part #2-1703843-1
3POS,TAB 1.6X0.6,TAB HSG,ASSY,



TE Part #215083-4
MICRO-MATCH MOW.04P



TE Part #1355390-1
JUN-POW-TIM GEH 2P

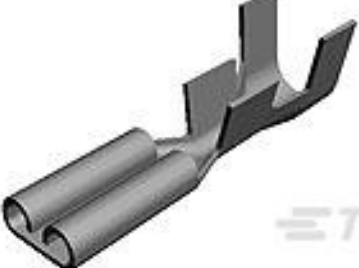




TE Part #7-1393243-8
RT424615



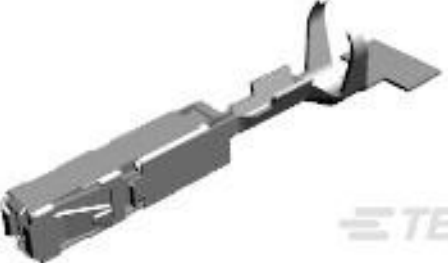
TE Part #102387-3
16 MODIV HSG COMP DR .100 POL



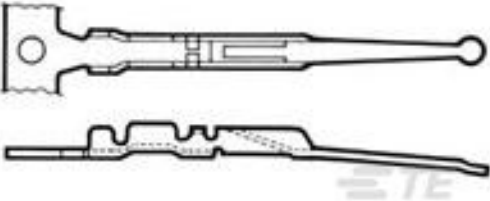
TE Part #737107-1
110 FASTON REC 20-17 AWG BR



TE Part #2-2400681-4
4P PLUG TPA, UMNL



TE Part #1534160-1
AMP MCP 1.5K, CONTACT, SWS



TE Part #66555-2
TYPE CR ACTIVE CONTACT

Documents

Product Drawings

UMNL II SOK SELECT AU/PHBZ

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_770012-6_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_770012-6_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_770012-6_G.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_770012-6_C.3d_igs.zip

English

Customer View Model

ENG_CVM_770012-6_C.3d_stp.zip

English

Customer View Model

ENG_CVM_770012-6_C.2d_dxf.zip

English



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Datasheets & Catalog Pages
SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY
English

Product Specifications
Application Specification
English