



Automotive Parts > Automotive Connectors > Automotive Housings



Nominal Voltage Architecture: 12 V

Connector & Housing Type: Receptacle

Number of Positions: 16

Sealable: No

Operating Temperature Range: -40 – 105 °C [-40 – 221 °F]

Features

Product Type Features

Connector Shape	Rectangular
Mixed & Hybrid Connector	No
Connector & Housing Type	Receptacle
Sealable	No
Primary Locking Feature	Locking Lance
Connector System	Cable-to-Board, Cable-to-Cable
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	16
Number of Rows	2

Electrical Characteristics

Nominal Voltage Architecture	12 V
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Body Features

Primary Product Color	Black
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Connector & Keying Code	A
Contact Features	
Contact Size	.4mm, .5mm
Contact Type	Receptacle
Mating Tab Width	.5 mm[.02 in]
Contact Current Rating (Max)	3 A
Mechanical Attachment	
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Features	
Housing Material	PBT GF10
Centerline (Pitch)	1.8 mm[.071 in]
Usage Conditions	
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
Operating Temperature (Max)	105 °C[221 °F]
Operation/Application	
Circuit Application	Signal
Other	
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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC



Free

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

TE Part # 1-2395010-1
16POS,TAB0.5X0.4,HDR ASSY,
180DEG,COD A

TE Part # 2317531-1
2X8POS,NANOMQS,HDR ASSY,
180DEG,SMD,COD A

TE Part # 2394912-1
16POS,TAB0.5X0.4,HDR ASSY,90DEG,
COD A

TE Part # CAT-N53-AT050
0.50 mm Automation Ready Terminals
for Automotive Wire Harness
Production and Scalable Assembly
Automation

TE Part # 2317511-1
2X8POS,NANOMQS,HDR ASSY,
90DEG,SMD,COD A

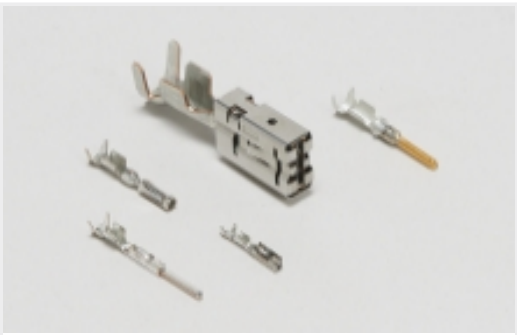
Also in the Series | Nano MQS

Automotive Connector Caps & Covers
(2)

Automotive Connector Locks &
Position Assurance(3)

Automotive Housings(118)

Automotive Signal & Power Headers
(61)

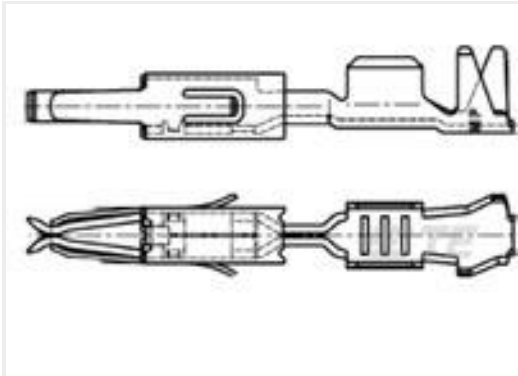


Automotive Terminals(11)

Customers Also Bought



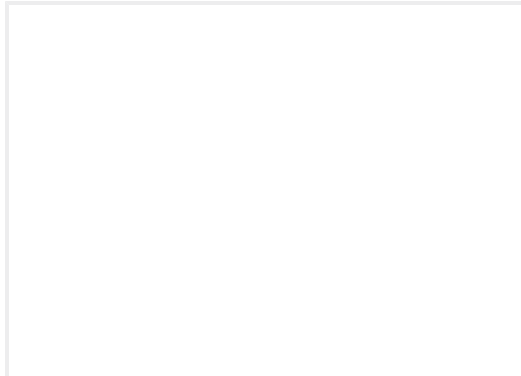
TE Part #928909-5
PL 250 REC TERMINAL 24-20 AWG
PTPB



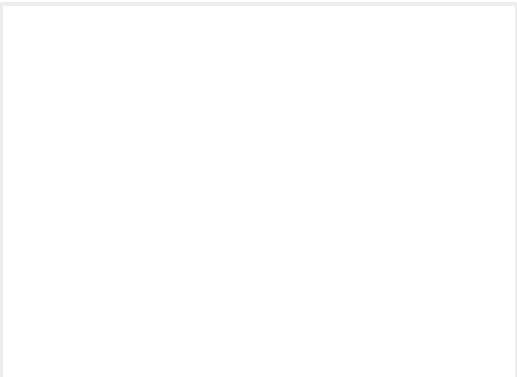
TE Part #964263-3
MT2 A REC 1.6 Contact SRC Au



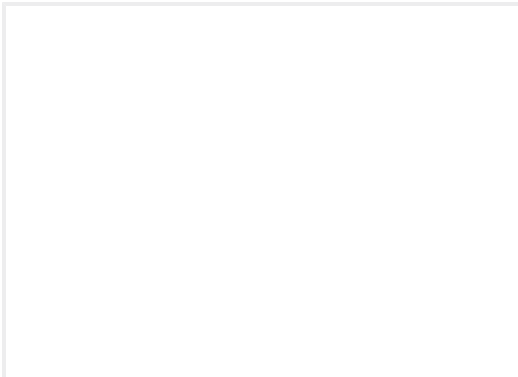
TE Part #1813112-1
MCP 1.5&2.8 HYB 28P PLUG ASSY



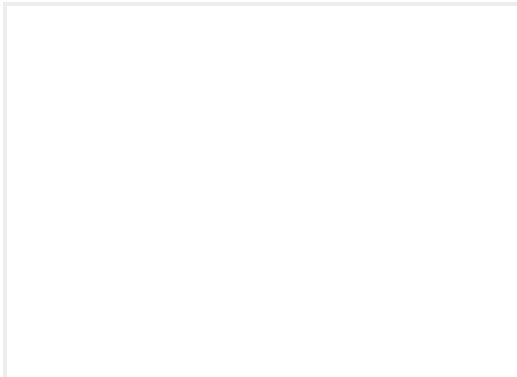
TE Part #5-962155-1
POS LOCK FAH GEH6,3



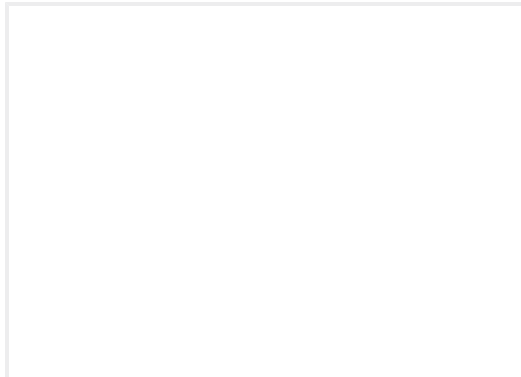
TE Part #5-962155-2
POS LOCK FAH GEH6,3



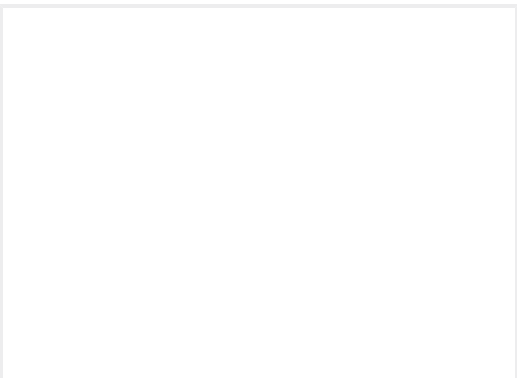
TE Part #2434980-1
MQS,TERMINAL,0.63,SN,LL,UNSEAL,
0.08-0.22



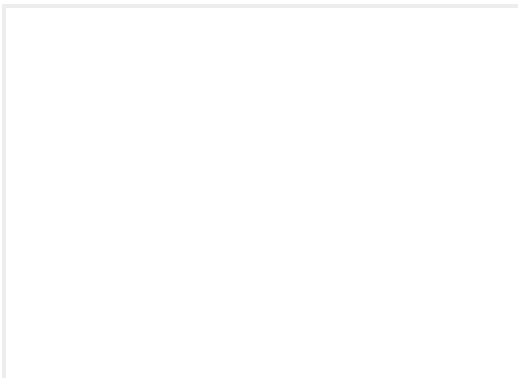
TE Part #2478500-2
SPA2U SQUIB AK2 90D PIGTAIL



TE Part #2488878-1
26POS,AMP MCP 1.5K,REC HSG ASSY,
SLD



TE Part #2498360-1
060,110,250 LIF 36P PLUG ASSY



TE Part #2498380-1
060,110,250 LIF 38P PLUG ASSY

Documents

Product Drawings

16POS,NANOMQS,REC HSG,COD A

English

16POS,NANOMQS,REC HSG,COD A

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_2320016-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2320016-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2320016-1_A.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English