

181271-2 ✓ ACTIVE

AMPMODU | AMPMODU IV/V

TE Internal #: 181271-2

Connector Contact, Socket, Wire-to-Board, Gold, 30 – 28 AWG

Wire Size, .05 – .09 mm² Wire Size, Straight, Wire & Cable, 3 A,

Signal, AMPMODU IV/V

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Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Connector Contacts



Contact Type: **Socket**

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

Contact Mating Area Plating Material: **Gold**

Wire Size: **.05 – .09 mm²**

Features

Product Type Features

Applied Pressure	Standard
Connector System	Wire-to-Board
Connector & Contact Terminates To	Wire & Cable

Contact Features

Contact Mating Area Plating Material Thickness	.4 μm[15.748 μin]
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Gold Flash
Contact Base Material	Phosphor Bronze
Contact Type	Socket
Contact Mating Area Plating Material	Gold
Contact Orientation	Straight
Contact Current Rating (Max)	3 A

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Wire Insulation Support	With
PCB Mount Retention	Without

Dimensions

Accepts Wire Insulation Diameter Range	1.75 mm[.069 in]
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Wire Size	.05 – .09 mm ²
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Usage Conditions

Operating Temperature Range	-40 – 80 °C[-40 – 176 °F]
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Operation/Application

Circuit Application	Signal
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Packaging Features

Packaging Quantity	2000
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Packaging Method	Loose Piece
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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	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
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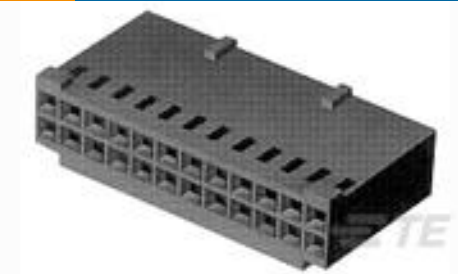
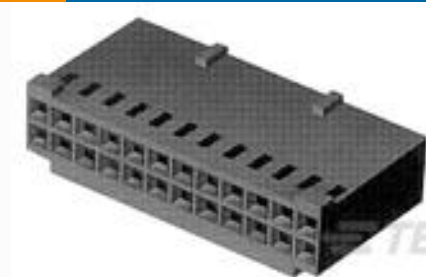
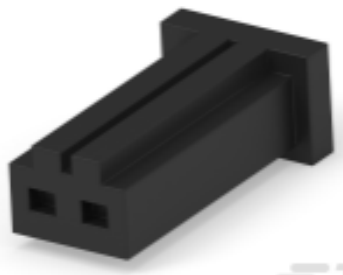


Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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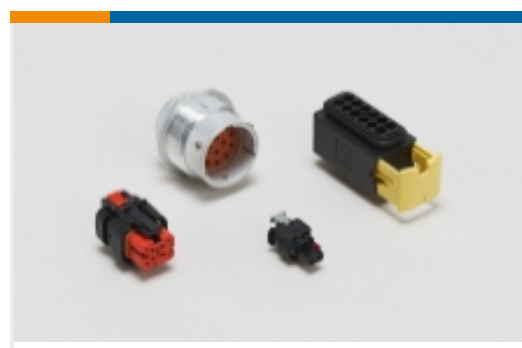
Product Compliance Disclaimer

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>

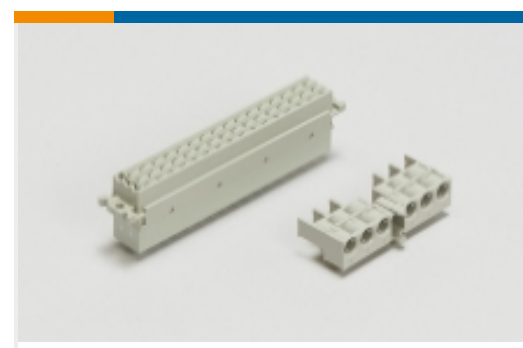
Compatible Parts

 <p>TE Part # 280514 AMPMODU II REC. HSG, SINGLE ROW, 12 POS.</p>	 <p>TE Part # 280366 AMPMODU II REC. HSG DUAL ROW, 16 POS.</p>	 <p>TE Part # 280365 AMPMODU, DBL ROW, CONTACT REC</p>	 <p>TE Part # 280515 AMPMODU II REC. HSG, DUAL ROW, 24 POS.</p>
 <p>TE Part # 280360 AMPMODU II REC. HSG, SINGLE ROW 6 POS</p>	 <p>TE Part # 280513 AMPMODU II REC. HSG, DUAL ROW, 18 POS</p>	 <p>TE Part # 280359 AMPMODU II REC. HSG, SINGLE ROW, 4 POS.</p>	 <p>TE Part # 280368 AMPMODU II REC. HSG, DUAL ROW, 30 POS.</p>
 <p>TE Part # 280363 AMPMODU II REC. HSG, SINGLE ROW, 15 POS.</p>	 <p>TE Part # 284123-1 AMPMODU II REC. HSG, DUAL ROW, 10 POS.</p>	 <p>TE Part # 58654-1 PRO-CRIMP TL & DIE MOD II</p>	 <p>TE Part # 280362 AMPMODU II REC. HSG, SINGLE ROW, 10 POS.</p>
 <p>TE Part # 280358 AMPMODU II REC. HSG, SINGLE ROW 2 POS</p>	 <p>TE Part # 280512 AMPMODU II REC. HSG, SINGLE ROW, 9 POS.</p>	 <p>TE Part # 281018 AMPMODU II REC. HSG, DUAL ROW, 36 POS.</p>	 <p>TE Part # 280361 AMPMODU II REC. HSG, SINGLE ROW 8 POS</p>
 <p>TE Part # 280364 AMPMODU II COSI REC. HSG, SGL ROW, 22POS</p>	 <p>TE Part # 58654-2 PRO-CRIMPER DIE SET ONLY</p>	 <p>TE Part # 172656-2 REC CONT MODU MOD 2 (PRE-TIN)</p>	 <p>TE Part # 280369 AMPMODU II REC. HSG, DUAL ROW, 44 POS.</p>

Also in the Series | **AMPMODU IV/V**



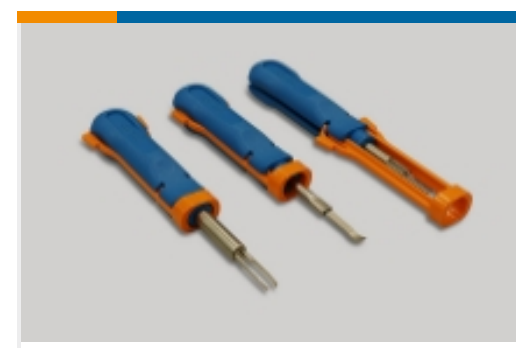
Automotive Housings(2)



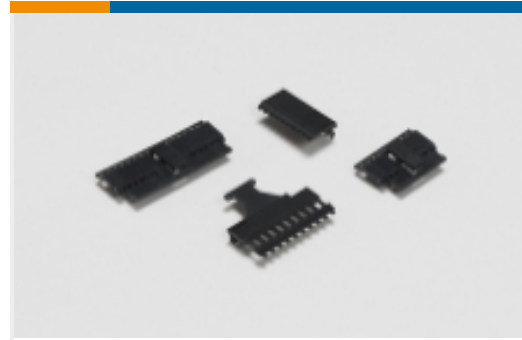
Backplane Connector Housings(1)



Board-to-Board Connector Contacts(6)



Insertion & Extraction Tools(4)



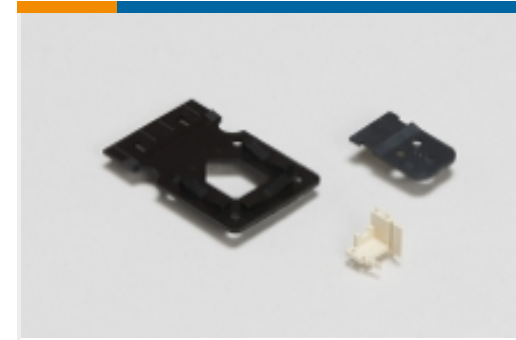
PCB Connector Covers(18)



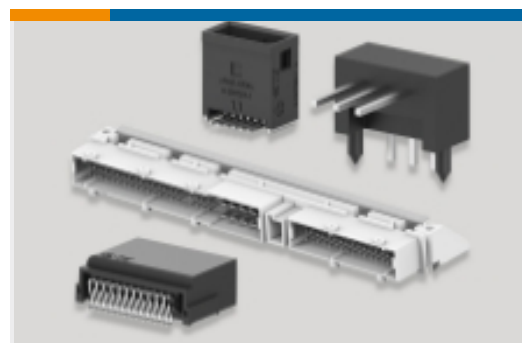
PCB Connector Keying(6)



PCB Connector Mounting(1)



PCB Connector Strain Relief(3)



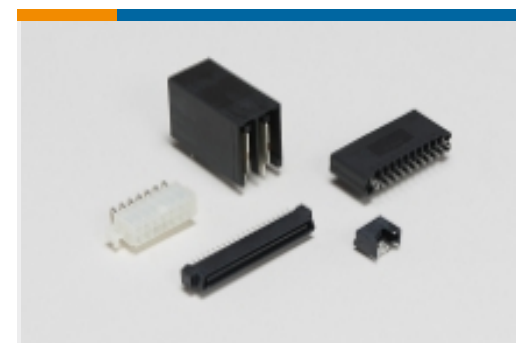
PCB Headers & Receptacles(939)



PCB Latches, Locks & Retainers(7)



Rectangular Connector Housings(5)



Standard Rectangular Connectors(8)



Wire-to-Board Connector Assemblies & Housings(467)



Wire-to-Board Connector Contacts (326)

Documents

Product Drawings

[MOD 2 CONTACT REC.](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_181271-2_A.3d_igs.zip](#)



English

Customer View Model

[ENG_CVM_181271-2_A.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_181271-2_A.2d_dxf.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English