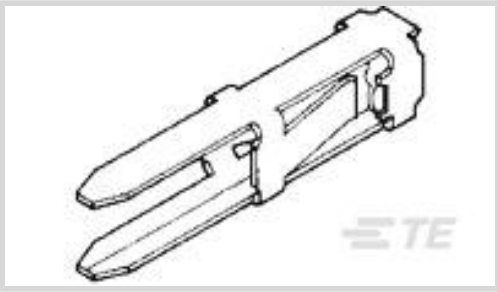




Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Connector Contacts



Contact Type: **Socket**

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

Centerline (Pitch): **3.81 mm [.15 in]**

Contact Mating Area Plating Material: **Gold**

Contact Orientation: **Straight**

Features

Product Type Features

Applied Pressure	Standard
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	1200 VAC
Insulation Resistance	5000 MΩ
Contact Resistance	12 mΩ

Body Features

Printed Circuit Board Hole Shape	Round
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Contact Features

Contact Mating Area Plating Material Thickness	.762 μm[30 μin]
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)	5 A

Termination Features

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Termination Post & Tail Length	2.85 mm[.112 in]
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Mechanical Attachment

Wire Insulation Support	Without
PCB Mount Retention	Without
Connector Mounting Type	Board Mount

Housing Features

Mating Entry Location	Bottom
Centerline (Pitch)	3.81 mm[.15 in]

Dimensions

PCB Thickness (Recommended)	1.4 – 1.78 mm[.055 – .07 in]
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Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Packaging Features

Packaging Quantity	1000
Packaging Method	Loose Piece

Product Compliance

For compliance documentation, visit the product page on TE.com>

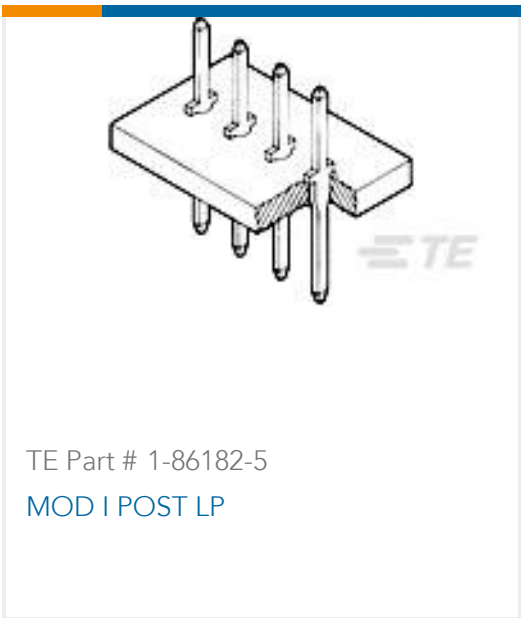
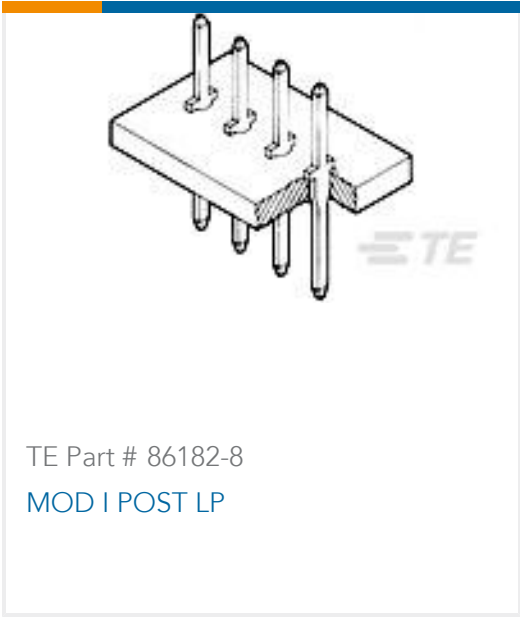
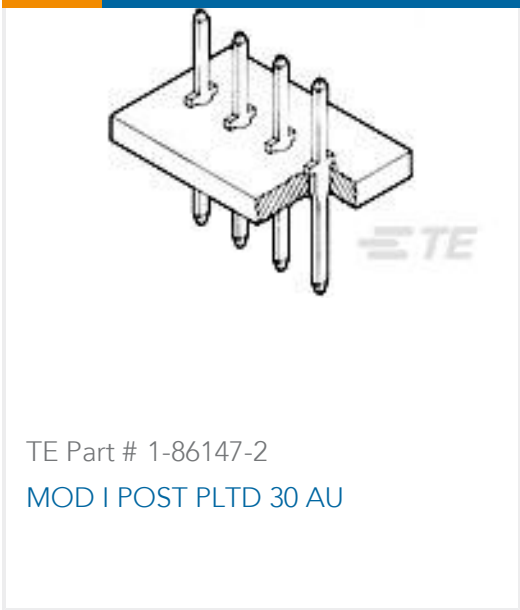
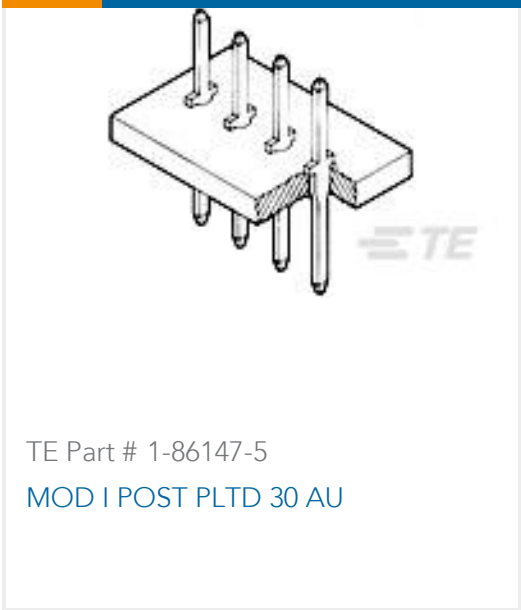
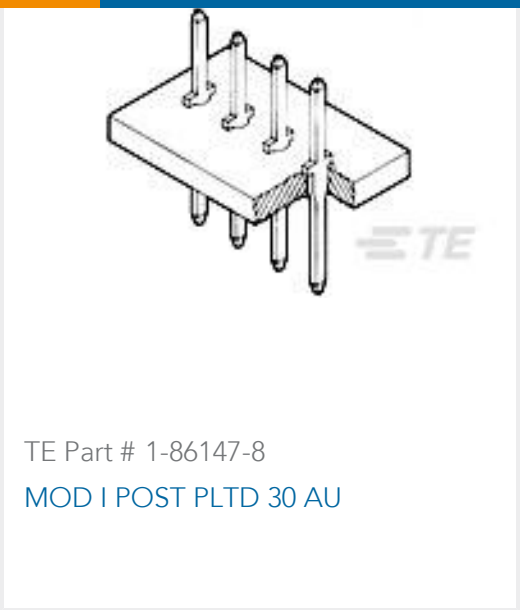
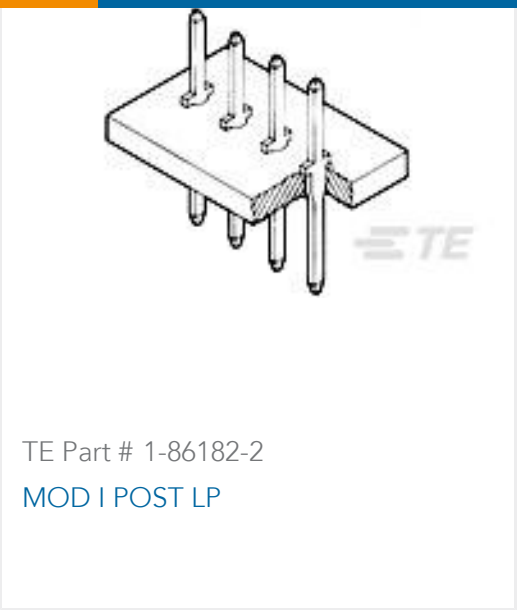
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

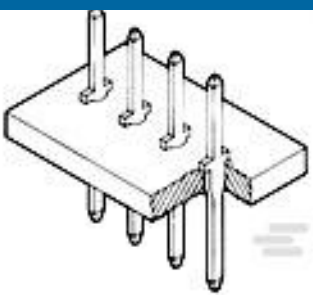
Product Compliance Disclaimer



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 # 86181-2 MOD I KEYING PLUG	 TE Part # 1-86182-5 MOD I POST LP	 TE Part # 1-87258-0 10 MOD I HDR SRRA .156CL	 TE Part # 2-85829-0 20 MOD I HDR SRST .156CL
 TE Part # 86182-8 MOD I POST LP	 TE Part # 1-85829-0 10 MOD I HDR SRST .156CL	 TE Part # 1-85839-2 12 MOD I HDR SRST .156CL	 TE Part # 1-85842-3 MOD I INCR POST PLTD 30 SEL
 TE Part # 1-85842-4 MOD I INCR POST PLTD 15 SEL	 TE Part # 1-85842-6 MOD I INCR POST PLTD 30 SEL	 TE Part # 1-85842-8 MOD I INCR POST PLTD 30 SEL	 TE Part # 1-86147-1 MOD I POST PLTD 30 AU
 TE Part # 1-86147-2 MOD I POST PLTD 30 AU	 TE Part # 1-86147-5 MOD I POST PLTD 30 AU	 TE Part # 1-86147-8 MOD I POST PLTD 30 AU	 TE Part # 1-86182-2 MOD I POST LP



TE Part # 1-86182-8
MOD I POST LP



TE Part # 1-87247-9
19 MODI HDR SRST .156CL



TE Part # 1-87283-0
10 MODI HDR SRST .156CL



TE Part # 1-87654-8
18 MODI HDR SRRA .156CL

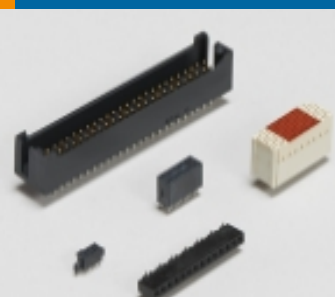
Also in the Series | AMPMODU MOD 1



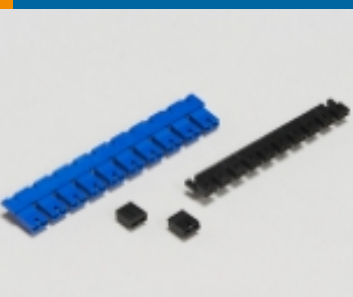
Automotive Terminals(6)



Board-to-Board Connector Contacts
(104)



Board-to-Board Headers & Receptacles(372)



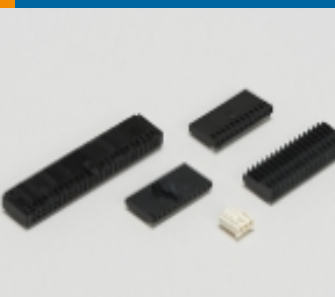
Board-to-Board Jumpers & Shunts(5)



Insertion & Extraction Tools(1)



PCB Connector Keying(2)



Wire-to-Board Connector Assemblies
& Housings(44)



Wire-to-Board Connector Contacts(2)

Customers Also Bought



TE Part #2-320560-1
PIDG RING TONGUE TERMINALS



TE Part #2-1825013-0
MRD16STR04=7MM ROT DIP, BCD



TE Part #T1349160120-000
H16A-TGH-M20



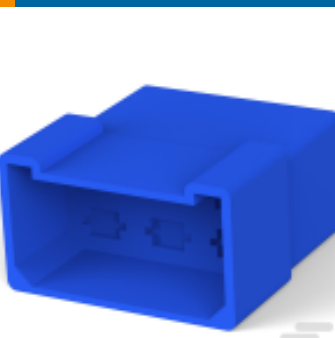
TE Part #1-608036-4
SILICONE FUSION TAPE,1"X15'



TE Part #179097-1
SIGNAL HEADER



TE Part #1734753-1
MINI USB, TYPE B, VERTICAL, T/H



TE Part #1-171433-6
FF TAB HSG 6P NYLON BLUE



TE Part #103960-3
5X4 MTE RCPT SR LATCH .100CL



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_86480-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_86480-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_86480-2_B.3d_stp.zip

English

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

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION_6_7AND8

English

Product Specifications

Product Specification

English