

87977-1 ✓ ACTIVE

AMPMODU | AMPMODU IV/V

TE Internal #: 87977-1

Housing, Receptacle, Wire-to-Board, 6 Position, .1 in [2.54 mm]

Centerline, Crimp, 2 Row, Black, Mating Retention, Wire & Cable,

Signal, AMPMODU IV/V

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings

Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **6**

Centerline (Pitch): **2.54 mm [.1 in]**

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	6
Number of Rows	2

Electrical Characteristics

Termination Resistance	12 mΩ
Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	750 V
Operating Voltage	250 VAC

Body Features

Primary Product Color	Black
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Contact Features

Contact Type	Socket
Contact Base Material	Beryllium Copper
Contact Current Rating (Max)	3 A

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Strain Relief	Without
Mating Retention Type	Detent Latching
Mating Retention	With

Housing Features

Housing Entry Configuration	Both Ends Closed
Housing Material	Nylon - GF
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Connector Length	7.6 mm[.21 in]
Connector Height	6.1 mm[.24 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

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

Circuit Application	Signal
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Industry Standards

Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1
Packaging Method	Package

Other

Discrete Wire Connector Comment	Cavity identification, AMP, part number and date code stamped on housing where size permits., Strain reliefs are available and may be purchased separately.
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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 2023 (235)

Candidate List Declared Against: JUNE 2023 (235)

Does not contain REACH SVHC

Halogen Content

BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.

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 # 5-103169-1 06 MODII HDR DRST SHRD .100CL	TE Part # 5-103168-1 06 MODII HDR DRST SHRD .100CL	TE Part # 5-102618-1 06 MODII HDR DRST SHRD .100CL	TE Part # 103168-1 06 MODII HDR DRST SHRD .100CL
TE Part # 87666-2 MOD IV RECP PLTD 30 SEL	TE Part # 6-87756-7 MOD IV REC STP INT'L SPEC REEL	TE Part # 87756-6 MOD IV RECP PLTD SN	TE Part # 2-87195-4 MOD IV RECP PLTE 15 DPLX



TE Part # 87309-9
MOD V RECP PLTD 30 AU

TE Part # 102917-5
MOD IV RECP PLTD 15 SEL

TE Part # 87523-5
MOD IV RECP PLTD SN

TE Part # 102548-5
MOD IV RECP PLTD 30 SEL

TE Part # 87309-8
MOD V RECP PLTD SN

TE Part # 2-87523-3
MOD IV RECP PLTD 15 DPLX

TE Part # 5-103171-4
MOD IV RECP PLTD 30 DPLX LF

TE Part # 85969-8
MOD IV RECP PLTD 30 SEL

TE Part # 87666-3
MOD IV RECP PLTD SN

TE Part # 103166-1
06 MODII HDR DRRA SHRD .100CL

TE Part # 8-87589-6
06 MODII HDR DRST SHRD .100CL

TE Part # 5-102920-1
MOD IV RECP PLTD 30 DPLX LF

Also in the Series | AMPMODU IV/V

Automotive Housings(2)

Backplane Connector Housings(1)

Board-to-Board Connector Contacts(6)

Connector Strain Relief(3)

Insertion & Extraction Tools(4)

PCB Connector Covers(18)

PCB Connector Keying(6)

PCB Connector Mounting(1)



PCB Headers & Receptacles(934)

PCB Latches, Locks & Retainers(7)

Rectangular Connector Housings(5)

Standard Rectangular Connectors(8)

Wire-to-Board Connector Assemblies & Housings(447)

Wire-to-Board Connector Contacts (322)

Customers Also Bought

TE Part #204516-2
RECEPT ASSY,SZ 3,AMPLIMITE

TE Part #5413771-3
JACK BLKHD,COML BNC,HEX CRIMP

TE Part #87631-1
06 MODIV HSG COMP DR .100 POL

TE Part #5-102618-1
06 MODII HDR DRST SHRD .100CL

TE Part #350570-7
UMNL SOK 24-18 AUBR

TE Part #5-103171-4
MOD IV RECP PLTD 30 DPLX LF

TE Part #770248-1
UMNL II PIN PTPBR LP 20-14AWG

TE Part #1532210-2
M83513/01-BC, MCKS-C2-B-15PS

TE Part #102617-1
06 MODII HDR DRRA SHRD .100CL

TE Part #MM96-09-1-Y
MM96-09-1-Y

Documents



Product Drawings

[06 MODIV HSG DR MRKD .100 POL](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_87977-1_S.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_87977-1_S.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_87977-1_S.3d_stp.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_87977-1_AB.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_87977-1_AB.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_87977-1_AB.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION5_CONT](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[Product Compliance Document](#)

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[Product Compliance Document](#)

English

Agency Approvals

[UL](#)

English

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