

3-87456-6 ✓ ACTIVE

AMPMODU | AMPMODU IV/V

TE Internal #: 3-87456-6

Housing, Receptacle, Wire-to-Board, 40 Position, .1 in [2.54 mm]

Centerline, Crimp, 2 Row, Black, 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: **40**

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	40
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
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Mating Retention	Without
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### Housing Features

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

Connector Length	50.93 mm[2.01 in]
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Connector Height	6.1 mm[.24 in]
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Row-to-Row Spacing	2.54 mm[.1 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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### Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
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Approved Standards	CSA LR7189, UL E28476
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UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	100
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Packaging Method	Bag
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### Other

Discrete Wire Connector Comment	Cavity identification, AMP, part number and date code stamped on housing where size permits., Contact Extraction/Lance Reset Tool No. 843996-3., 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](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant
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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 # 1-103168-8 40 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 # 2-86479-4  
40 MODII HDR DRRA UNSHRD .100

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

TE Part # 103455-1  
MOD V RECP PLTD 30 AU

TE Part # 1-103169-8  
40 MODII HDR DRST SHRD .100CL

TE Part # 102316-6  
MOD IV RECP PLTD 15 DPLX

TE Part # 2-87227-0  
40 MODII HDR DRST UNSHRD .100

### 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 #1-103168-8  
40 MODII HDR DRST SHRD .100CL

TE Part #215309-2  
2X2P HV100 REC CON. TE, 8.5MM

TE Part #87756-6  
MOD IV RECP PLTD SN

TE Part #87666-3  
MOD IV RECP PLTD SN

TE Part #3-87456-0  
34 MODIV HSG DR MRKD .100CL

TE Part #5745653-5  
DIECAST STRAIN RELIEF KIT,SZ 3

TE Part #87456-8  
12 MODIV HSG DR MRKD .100CL

TE Part #963728-1  
MQS PIN CONTACT SWS

TE Part #3-215297-6  
36P HV100 REC CON. TE, 7.0MM

TE Part #2302451-1  
MATENET, MALE INSERT MODUL

### Documents



**Product Drawings**

[40 MODIV HSG DR MRKD .100CL](#)

English

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**CAD Files**

**3D PDF**

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_3-87456-6\\_AN.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_3-87456-6\\_AN.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_3-87456-6\\_AN.3d\\_stp.zip](#)

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**3D PDF**

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**Customer View Model**

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English

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**Datasheets & Catalog Pages**

[AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTION5\\_CONT](#)

English

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**Product Specifications**

[Application Specification](#)

English

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**Agency Approvals**

[UL](#)

English