

87977-8 ✓ ACTIVE

AMPMODU | AMPMODU IV/V

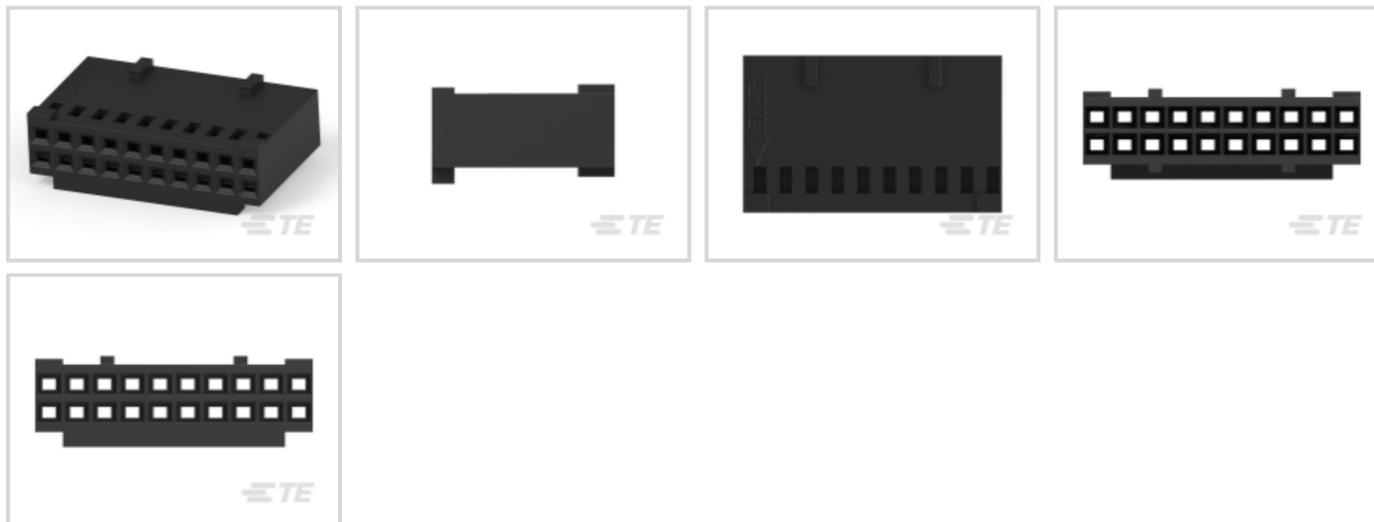
TE Internal #: 87977-8

20 Position, Receptacle, Housing, Crimp, Wire-to-Board, UL 94V-0,  
2.54 mm [.1 in] Centerline, 2 Row, 250 VAC, Wire & Cable, Signal,  
AMPMODU IV/V

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Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

Mating Retention Type: **Detent Latching**

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

UL Flammability Rating: **UL 94V-0**

## 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	20
Number of Rows	2

### Electrical Characteristics

Termination Resistance	12 m $\Omega$
Dielectric Withstanding Voltage (Max)	750 V
Insulation Resistance	5000 M $\Omega$
Operating Voltage	250 VAC

### Body Features

Primary Product Color	Black
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### Contact Features

Contact Base Material	Beryllium Copper
Contact Type	Socket
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
Centerline (Pitch)	2.54 mm [.1 in]
Housing Material	Nylon GF

### Dimensions

Connector Height	6.1 mm [.24 in]
Connector Length	25.4 mm [1 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

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

### Packaging Features

Packaging Method	Bag
Packaging Quantity	200

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)



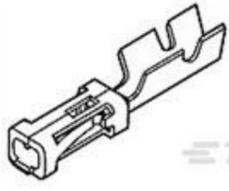
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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

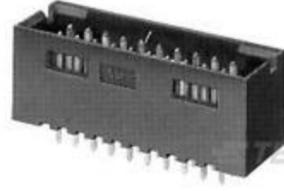
 TE Part # 102316-6 MOD IV RECP PLTD 15 DPLX	 TE Part # 2-87523-3 MOD IV RECP PLTD 15 DPLX	 TE Part # 103167-7 20 MODII HDR DRRA SHRD .100CL	 TE Part # 2-87195-4 MOD IV RECP PLTE 15 DPLX
 TE Part # 5-103171-4 MOD IV RECP PLTD 30 DPLX LF	 TE Part # 87756-6 MOD IV RECP PLTD SN	 TE Part # 5-87589-6 20 MODII HDR DRST SHRD .100CL	 TE Part # 5-102920-1 MOD IV RECP PLTD 30 DPLX LF

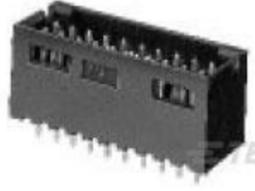
TE Part # 102917-5  
MOD IV RECP PLTD 15 SEL



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



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



TE Part # 102618-8  
20 MODII HDR DRST SHRD .100CL



TE Part # 103168-8  
20 MODII HDR DRST SHRD .100CL



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



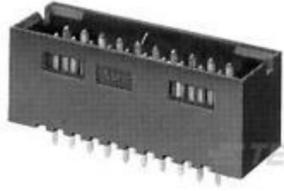
TE Part # 6-87756-2  
MOD IV RECP PLTD 15 DPLX LF



TE Part # 87666-2  
MOD IV RECP PLTD 30 SEL



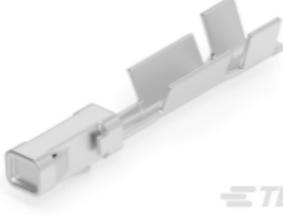
TE Part # 103455-1  
MOD V RECP PLTD 30 AU



TE Part # 5-87587-6  
20 MODII HDR DRST SHRD .100CL

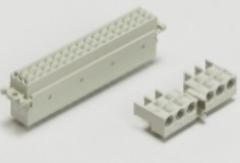


TE Part # 6-87756-7  
MOD IV REC STP INT'L SPEC REEL



TE Part # 87309-8  
MOD V RECP PLTD SN

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



Backplane Connector Housings(1)



Board-to-Board Headers & Receptacles(125)



Connector Contacts(178)



Connector Hardware(8)



Power Contacts(140)



Rectangular Connector Housings(294)

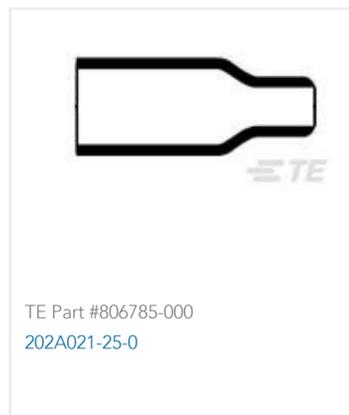


Standard Rectangular Connectors(295)



Wire-to-Board Connector Assemblies & Housings(295)

Customers Also Bought



## Documents

### CAD Files

#### 3D PDF

English

#### Customer View Model

[ENG\\_CVM\\_87977-8\\_S.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_87977-8\\_S.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_87977-8\\_S.3d\\_stp.zip](#)

English

#### Customer View Model

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English

#### 3D PDF

3D

#### Customer View Model



[ENG\\_CVM\\_CVM\\_87977-8\\_AC.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_87977-8\\_AC.2d\\_dxf.zip](#)

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