



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

### Contact Features

Contact Type	Socket
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Contact Base Material	Beryllium Copper
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Contact Current Rating (Max)	3 A
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### 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	Thermoplastic
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Centerline (Pitch)	2.54 mm [.1 in]
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Housing Color	Black
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### Dimensions

Connector Length	53.33 mm [2.1 in]
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Connector Height	7.23 mm [.285 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	1
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Packaging Method	Package
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### Other

Comment	Contact Extraction/Lance Reset Tool No. 843996-3., No marking on this part number., When using this housing with
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AMP-LATCH Universal Headers, P/N 1825851-1 (Qty 2) must be purchased separately.

### Product Compliance

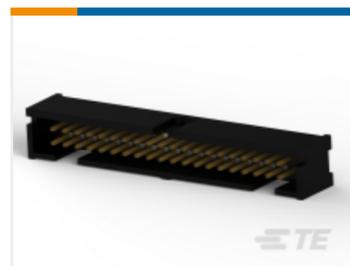
[For compliance documentation, visit the product page on TE.com>](#)

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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

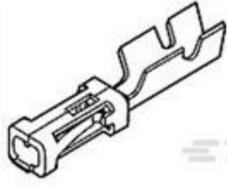
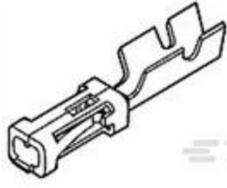
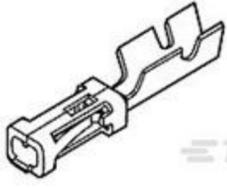
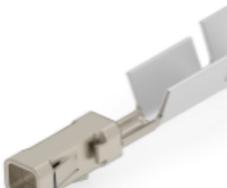
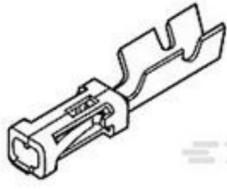
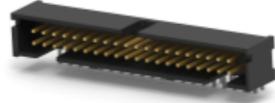
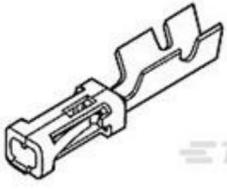
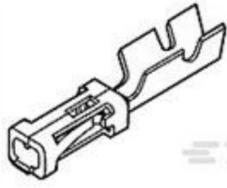
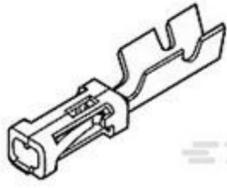
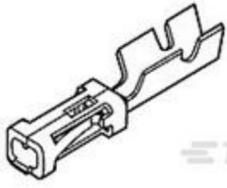
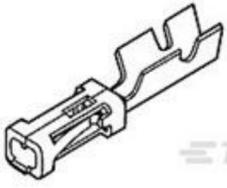
#### Product Compliance Disclaimer

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>

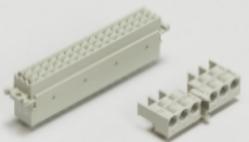
### Compatible Parts

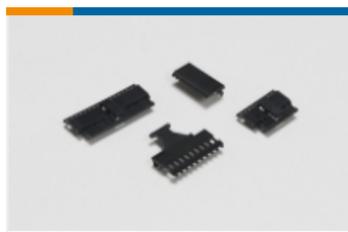
 <p>TE Part # 5103308-8 A/L LOW PRO HDR 40P VERT BLACK</p>	 <p>TE Part # 5103310-8 A/L LOW PRO HDR 40P RA BLACK</p>	 <p>TE Part # 5103309-8 A/L LOW PRO HDR 40P VERT BLACK</p>	 <p>TE Part # 87666-2 MOD IV RECP PLTD 30 SEL</p>
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 <p>TE Part # 6-87756-7 MOD IV REC STP INT'L SPEC REEL</p>	 <p>TE Part # 87756-6 MOD IV RECP PLTD SN</p>	 <p>TE Part # 87809-1 MOD V RECP PLTD 30 AU</p>	 <p>TE Part # 6-87756-2 MOD IV RECP PLTD 15 DPLX LF</p>
 <p>TE Part # 87309-9 MOD V RECP PLTD 30 AU</p>	 <p>TE Part # 87523-5 MOD IV RECP PLTD SN</p>	 <p>TE Part # 102548-5 MOD IV RECP PLTD 30 SEL</p>	 <p>TE Part # 87309-8 MOD V RECP PLTD SN</p>
 <p>TE Part # 2-87523-3 MOD IV RECP PLTD 15 DPLX</p>	 <p>TE Part # 5-103171-4 MOD IV RECP PLTD 30 DPLX LF</p>	 <p>TE Part # 5103311-8 A/L LOW PRO HDR 40P RA BLACK</p>	 <p>TE Part # 85969-8 MOD IV RECP PLTD 30 SEL</p>
 <p>TE Part # 87666-3 MOD IV RECP PLTD SN</p>	 <p>TE Part # 5-102920-1 MOD IV RECP PLTD 30 DPLX LF</p>	 <p>TE Part # 103455-1 MOD V RECP PLTD 30 AU</p>	 <p>TE Part # 102316-6 MOD IV RECP PLTD 15 DPLX</p>

Also in the Series | AMPMODU IV/V

 <p>Automotive Housings(2)</p>	 <p>Backplane Connector Housings(1)</p>	 <p>Board-to-Board Connector Contacts(6)</p>	 <p>Insertion &amp; Extraction Tools(4)</p>
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PCB Connector Covers(18)



PCB Connector Keying(6)



PCB Connector Mounting(1)



PCB Connector Strain Relief(3)



PCB Headers &amp; Receptacles(939)



PCB Latches, Locks &amp; Retainers(7)



Rectangular Connector Housings(5)



Standard Rectangular Connectors(8)



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



Wire-to-Board Connector Contacts (326)

## Documents

### Product Drawings

[40 MODIV HSG COMP DR .100 POL](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_102387-9\\_AC.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_102387-9\\_AC.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_102387-9\\_AC.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

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

English

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### Product Specifications

[Product Specification](#)

English

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### Product Environmental Compliance

[MD\\_102387-9\\_103120171032\\_dmtec](#)

English

[MD\\_102387-9\\_103120171032\\_dmtec](#)

English