

172890-8 ✓ ACTIVE

AMP-IN

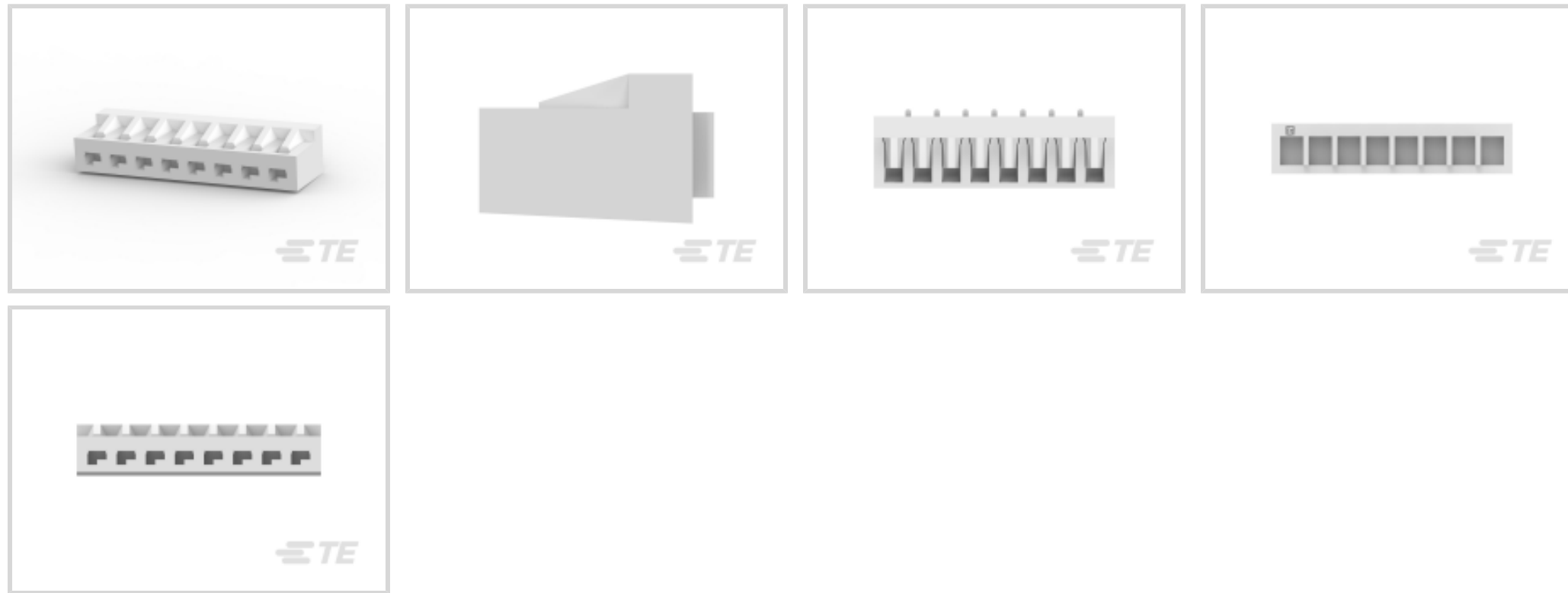
TE Internal #: 172890-8

Housing, Plug, Wire-to-Board, 8 Position, .079 in [2 mm] Centerline, Crimp, 1 Row, Natural, Printed Circuit Board, Power & Signal

[View on TE.com >](#)



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



Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **8**

Centerline (Pitch): **2 mm [.079 in]**

Features

Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	8
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Layout	Inline
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Contact Type	Pin
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Contact Base Material	Brass
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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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Panel Mount Feature	Without
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PCB Mount Retention	Without
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Mating Retention	Without
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Housing Entry Configuration	Both Ends Closed
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Housing Material	Nylon 66
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Centerline (Pitch)	2 mm [.079 in]
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Dimensions

Connector Length	16.8 mm [.66 in]
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	.14 in
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PCB Thickness (Recommended)	1.19 – 1.6 mm, 1.57 mm
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Wire Size	.05 – .15 mm ² , .12 – .35 mm ²
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Usage Conditions

Operating Temperature Range	-40 – 105 °C [-40 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1000
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Packaging Method	Bag
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Product Compliance

[For compliance documentation, visit the product page on 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	<p>Current ECHA Candidate List: JUNE 2023 (235)</p> <p>Candidate List Declared Against: JUNE 2023 (235)</p> <p>SVHC > Threshold:</p> <p>Melamine (3% in Component Part)</p> <p>Article Safe Usage Statements: Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</p>
Halogen Content	Low Halogen - Br, Cl, F, I < 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

 <p>TE Part # 172782-5 LOW PROFILE MINI AMP-IN</p>	 <p>TE Part # 172781-4 LOW PROFILE MINI AMP-IN (AWG#30-#26)Y-TY</p>	 <p>TE Part # 172782-7 LOW PROFILE MINI AMP-IN</p>	 <p>TE Part # 172781-3 LOW PROFILE MINI AMP-IN (AWG#30-#26)X-TY</p>
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Customers Also Bought



TE Part #2-1437565-7
FSM2JSMA=SMT,TACTILE,PB SWITCH



TE Part #794617-8
8POS,MICRO MNL,RCPT HSG



TE Part #7-1393243-9
RT424730



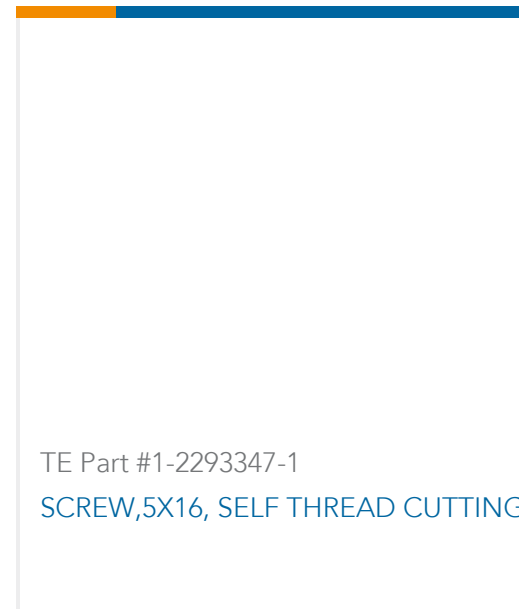
TE Part #3-826629-6
1X36 POS AMPMODU II HEADER



TE Part #2331929-5
SCL 1.0 HDR DRVT USP 010 SMT G3
TBK



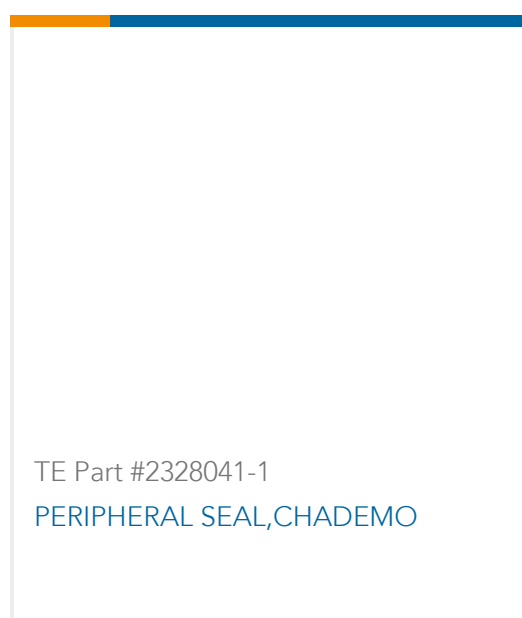
TE Part #7-2836399-7
OCEAN_2.0_SPARE_PART_KIT-
042F070F



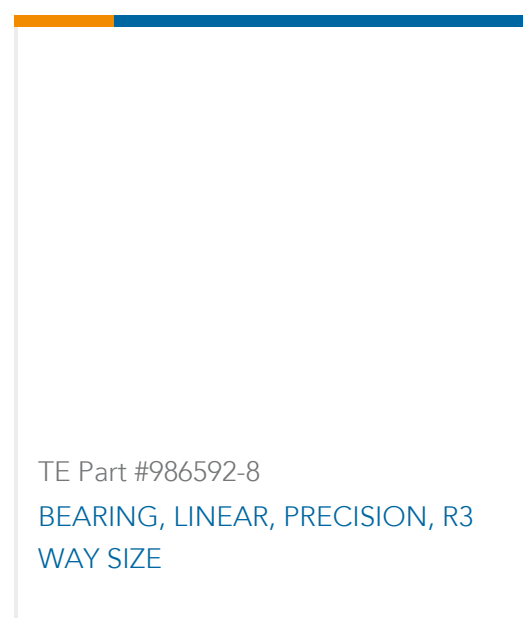
TE Part #1-2293347-1
SCREW,5X16, SELF THREAD CUTTING



TE Part #2296056-6
STRAIN RELIEF, AC



TE Part #2328041-1
PERIPHERAL SEAL,CHADEMO



TE Part #986592-8
BEARING, LINEAR, PRECISION, R3
WAY SIZE

Documents

Product Drawings

[8P 2MM MINI AMP-IN HDR HSG](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_172890-8_H.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_172890-8_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_172890-8_H.3d_stp.zip](#)

English

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Datasheets & Catalog Pages



PRINTED CIRCUIT BOARD TERMINALS AND DISCONNECTS

English

Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English

Agency Approvals

[UL Report](#)

English