

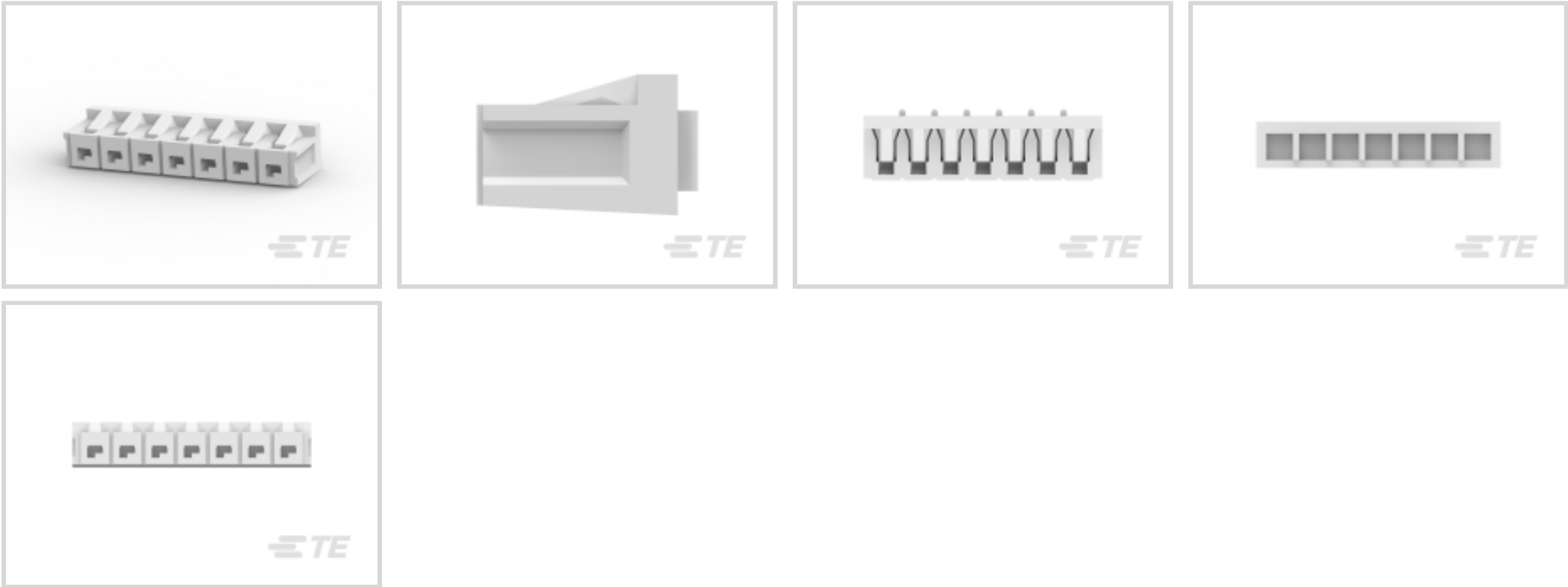


AMP-IN

TE Internal #: 172520-7  
Board-In PCB Mount One-Piece Crimp Connector, Vertical, Wire-to-Board, 7 Position, 2.5 mm [.098 in] Centerline, Discrete Wire, Natural, Power & Signal

[View on TE.com >](#)

Connectors > PCB Connectors > Board-In Connectors



PCB Connector Type: **PCB Mount One-Piece Crimp Connector**  
PCB Mount Orientation: **Vertical**  
Connector System: **Wire-to-Board**  
Number of Positions: **7**  
Centerline (Pitch): **2.5 mm [ .098 in ]**

Features

Product Type Features

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| PCB Connector Type                | PCB Mount One-Piece Crimp Connector |
| Connector System                  | Wire-to-Board                       |
| Connector & Contact Terminates To | Printed Circuit Board, Wire & Cable |

Configuration Features

|                                   |               |
|-----------------------------------|---------------|
| PCB Mount Orientation             | Vertical      |
| Number of Positions               | 7             |
| Compatible With Wire & Cable Type | Discrete Wire |
| Number of Rows                    | 1             |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VDC |
|-------------------|---------|

Body Features

|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

Contact Features

|  |  |
|--|--|
|  |  |
|--|--|



|                |        |
|----------------|--------|
| Contact Layout | Inline |
|----------------|--------|

Mechanical Attachment

|                     |         |
|---------------------|---------|
| PCB Mount Retention | Without |
|---------------------|---------|

Housing Features

|                    |                 |
|--------------------|-----------------|
| Centerline (Pitch) | 2.5 mm[.098 in] |
| Housing Material   | Nylon 6/6       |

Dimensions

|                             |                          |
|-----------------------------|--------------------------|
|                             | .14 in                   |
| PCB Thickness (Recommended) | 1.19 – 1.6 mm, 1.57 mm   |
| Wire Size                   | 26 – 22 AWG, 30 – 22 AWG |
| Connector Length            | 18.5 mm[.73 in]          |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 1000 |
| Packaging Method   | Bag  |

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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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 # 172781-3  
LOW PROFILE MINI AMP-IN  
(AWG#30-#26)X-TY



TE Part # 172782-7  
LOW PROFILE MINI AMP-IN



TE Part # 172781-4  
LOW PROFILE MINI AMP-IN  
(AWG#30-#26)Y-TY

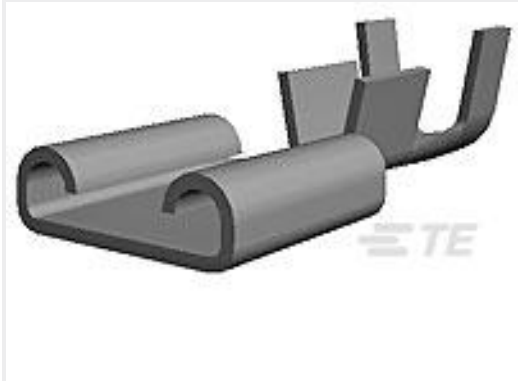


TE Part # 172782-5  
LOW PROFILE MINI AMP-IN

Customers Also Bought



TE Part #170140-6  
187 FASTON,FLAG,REC.,16-20 AWG, TPBR



TE Part #170183-2  
250 FASTON,REC.,22-18 AWG,TPBR



TE Part #179973-1  
250 PL EX REC. 22-18AWG PTBR



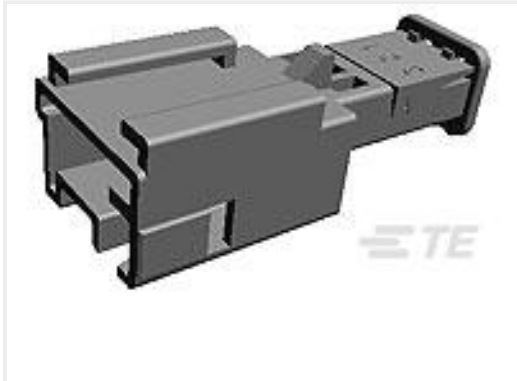
TE Part #179974-1  
250 PL EX REC. 18-14AWG PTBR



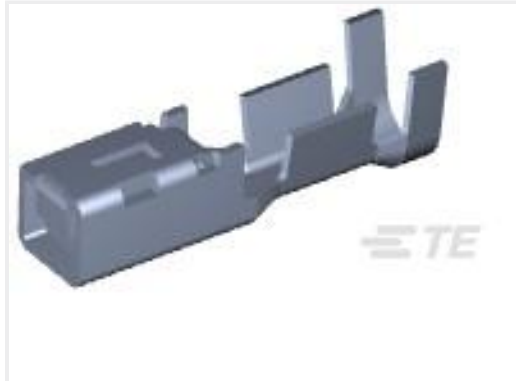
TE Part #179975-1  
250 PL EX REC. 15-10AWG PTBR



TE Part #415340-1  
PCB JACK, RTANG, SMB



TE Part #953698-1  
3POS MQS TAB



TE Part #1746971-1  
GRACE INERTIA CONNECTOR 6.2 MM PITCH REC



Documents

Product Drawings

7P 2.5MM MINI AMP-IN HDR HSG

English

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_172520-7\_G1.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_172520-7\_G1.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_172520-7\_G1.3d\_igs.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_172520-7\_E.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_172520-7\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_172520-7\_E.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

PRINTED CIRCUIT BOARD TERMINALS AND DISCONNECTS

English

Product Specifications

Application Specification

English



Application Specification

English

Agency Approvals

UL Report

English

UL Report

English