# 172520-8 ✔ ACTIVE

AMP-IN

TE Internal #: 172520-8

Housing, Plug, Wire-to-Board, 8 Position, .098 in [2.5 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): **2.5 mm [ .098 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 |

### Body Features

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

### Contact Features

| | |
|---|---|
| Contact Layout | Inline |
| Contact Type | Pin |
| Contact Base Material | Brass |

## Termination Features

| | |
|---|---|
| Termination Method to Wire & Cable | Crimp |

## Mechanical Attachment

| | |
|---|---|
| Strain Relief | Without |
| Panel Mount Feature | Without |
| PCB Mount Retention | Without |
| Mating Retention | Without |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

## Housing Features

| | |
|---|---|
| Housing Entry Configuration | Both Ends Closed |
| Housing Material | Nylon 6/6 |
| Centerline (Pitch) | 2.5 mm[.098 in] |

## Dimensions

| | |
|---|---|
| Connector Length | 21 mm[.826 in] |
| | .14 in |
| PCB Thickness (Recommended) | 1.19 - 1.6 mm, 1.57 mm |
| Wire Size | .05 - .15 mm², .12 - .35 mm² |

## 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 | 2000 |
| 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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>Does not contain REACH SVHC |
| 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



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



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



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



TE Part # 172781-3
LOW PROFILE MINI AMP-IN (AWG#30-#26)X-TY

## Customers Also Bought



TE Part # 1-338728-0
MICROM. MOB SMD CON



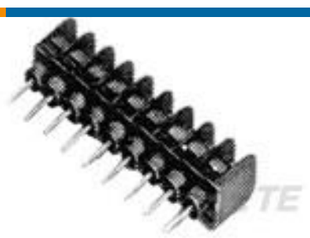
TE Part # 2-327043-1
PG SPD 22-16 COMM 22-18 MIL 6



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



TE Part # 4-1437664-4
NC6-P108-10=NC6 ASSEMBLY



TE Part # 2-1437665-0
JC6-P108-02=JC6 ASSEMBLY



TE Part # 5-1676913-0
YR1 0.1% 249R



TE Part # 8-1879026-9
YR1 0.1% 499K



TE Part # 5-1879352-8
RR02 5% 75R AMMO



TE Part # 51864-9
TERMINAL,PIDG R IR 14 10

## Documents

### CAD Files

3D PDF

English

Customer View Model

ENG_CVM_172520-8_G1.3d_stp.zip

English

Customer View Model

ENG_CVM_172520-8_G1.2d_dxf.zip

English

Customer View Model

ENG_CVM_172520-8_G1.3d_igs.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_172520-8_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_172520-8_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_172520-8_E.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

### Datasheets & Catalog Pages

PRINTED CIRCUIT BOARD TERMINALS AND DISCONNECTS

English

## Product Specifications

### Application Specification

English

### Application Specification

English

## Agency Approvals

### UL Report

English