

8-172782-6 ✓ ACTIVE

## AMP-IN

TE Internal #: 8-172782-6

Connector Contact, Pin, Wire-to-Wire / Wire-to-Board, 26 – 22

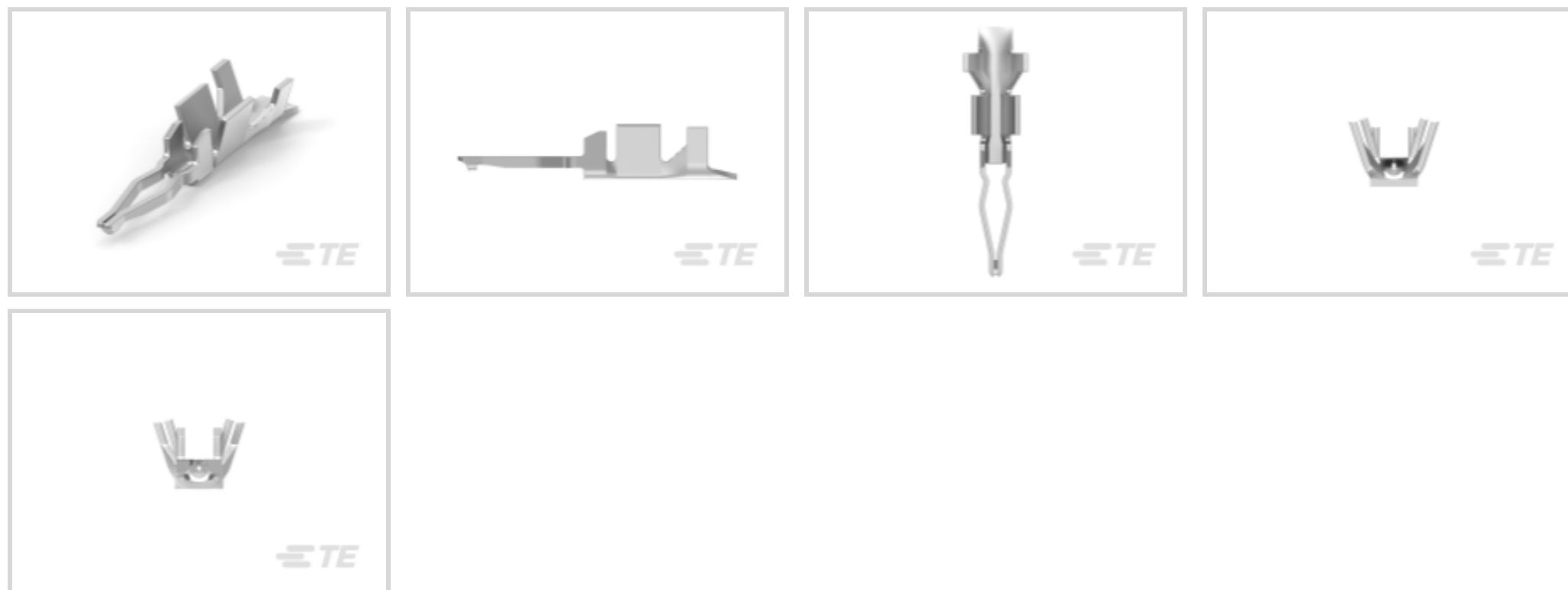
AWG Wire Size, .12 – .35 mm<sup>2</sup> Wire Size, Tin, Strip, Wire & Cable,

2.5 A / 4 A, Signal

[View on TE.com >](#)



Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Contacts



Contact Type: **Pin**

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

Wire Size: **.12 – .35 mm<sup>2</sup>**

Contact Mating Area Plating Material: **Tin**

## Features

### Product Type Features

Connector System	Wire-to-Board, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

### Electrical Characteristics

Insulation Resistance	1000 MΩ
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### Contact Features

Mating Tab Width	.5 mm [.02 in]
Wire Contact Termination Area Plating Thickness	5 – 8 μm
Contact Mating Area Plating Material Thickness	5 – 8 μm
Contact Base Material	Brass
Contact Type	Pin
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	2.5 A, 4 A

### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Wire Insulation Support	With
Connector Mounting Type	Cable Mount (Free-Hanging)

### Dimensions

Accepts Wire Insulation Diameter Range	1.4 – 1.5 mm [.055 – .059 in]
Wire Size	.12 – .35 mm <sup>2</sup>

### Usage Conditions

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

Circuit Application	Signal
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### Packaging Features

Packaging Quantity	20000
Packaging Method	Strip

### Product Compliance

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



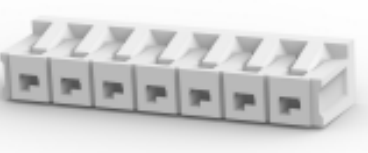






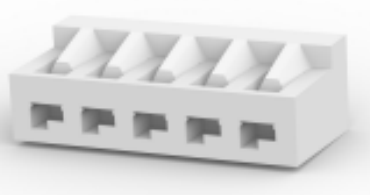
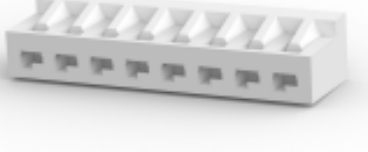





EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUN 2018 (191) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Wave solder capable to 265°C

#### 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 Regulations, TE's information on SVHC in

articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Compatible Parts

 <p>TE Part # 172520-5 5P 2.5MM MINI AMP-IN HDR HSG</p>	 <p>TE Part # 172520-6 6P 2.5MM MINI AMP-IN HDR HSG</p>	 <p>TE Part # 172520-7 7P 2.5MM MINI AMP-IN HDR HSG</p>	 <p>TE Part # 172520-4 LOW PRO MINI AMP-IN HDR 4P</p>
 <p>TE Part # 1-172520-0 10P 2.5MM MINI AMP-IN HDR HSG</p>	 <p>TE Part # 172520-3 LOW PRO MINI AMP-IN HDR 3P</p>	 <p>TE Part # 172520-8 8P 2.5MM MINI AMP-IN HDR HSG</p>	 <p>TE Part # 172520-2 2P 2.5MM MINI AMP-IN HDR HSG</p>
 <p>TE Part # 172520-9 9P 2.5MM MINI AMP-IN HDR HSG</p>	 <p>TE Part # 172890-5 5P 2MM MINI AMP-IN HDR HSG</p>	 <p>TE Part # 172890-8 8P 2MM MINI AMP-IN HDR HSG</p>	 <p>TE Part # 1-172520-1 LOW PRO AMPIN 11P</p>
 <p>TE Part # 1-172520-2 12P 2.5MM MINI AMP-IN HDR HSG</p>	 <p>TE Part # 1-172520-3 LOW PRO MINI AMP-IN HDR 13P</p>	 <p>TE Part # 1-172520-4 LOW PRO MINI AMP-IN HDR 14P</p>	 <p>TE Part # 1-172520-5 15P 2.5MM MINI AMP-IN HDR HSG</p>



## Documents

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_8-172782-6\\_P.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_8-172782-6\\_P.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_8-172782-6\\_P.3d\\_stp.zip](#)

English

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

### Product Specifications

[Crimping of Low Profile, Mini AMP-IN\\* Terminals](#)

Japanese

[Application Specification](#)

Japanese