

LOW PROFILE MINI AMP-IN

✓ ACTIVE

AMP-IN

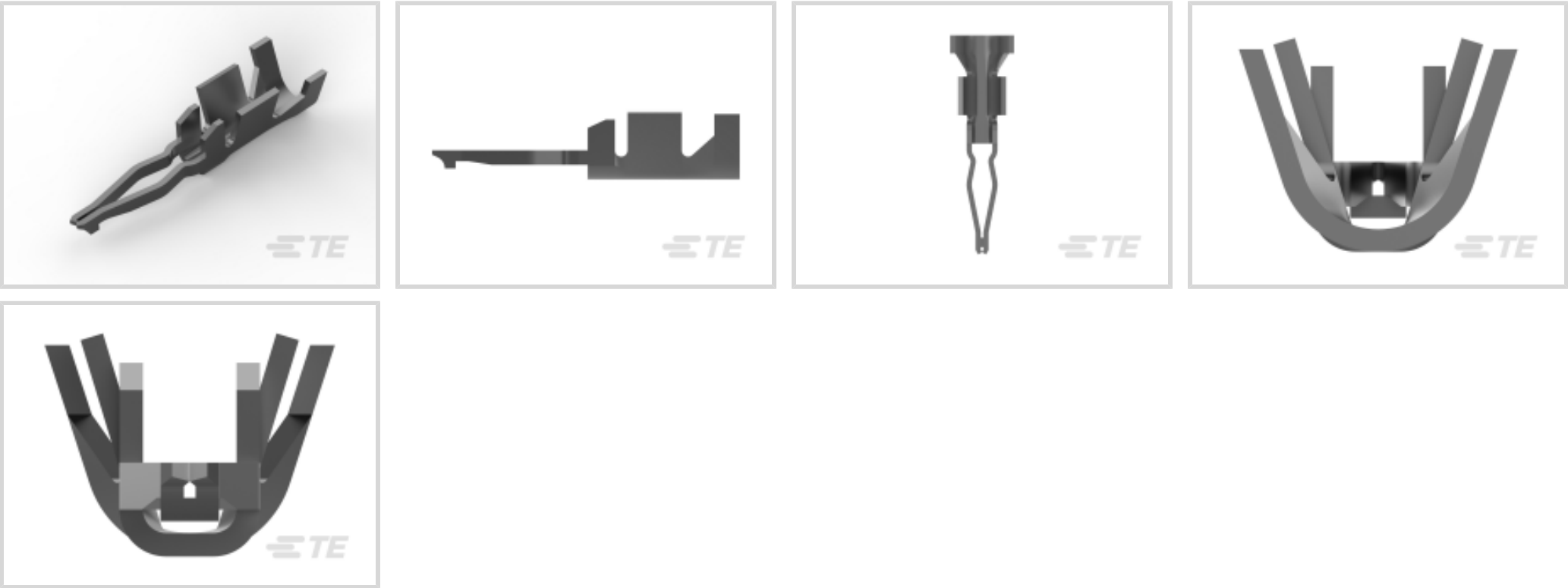
TE Part # 172782-7

TE Internal #: 172782-7

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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 – .4 mm²

Contact Mating Area Plating Material: Post Tin

Features

Product Type Features

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

Electrical Characteristics

Insulation Resistance	1000 MΩ
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Contact Features

Wire Contact Termination Area Plating Material	Tin
Crimp Area Plating Thickness	2 μm
Contact Base Material	Brass
Contact Type	Pin
Contact Mating Area Plating Material	Post Tin
Contact Current Rating (Max)	2.5 A, 4 A
Contact Mating Area Plating Thickness	2 μm

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)

Housing Features

Housing Color	Natural
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Dimensions

Hole Diameter	.99 mm[.039 in]
Wire Size	.12 – .4 mm ²
	.047 – .063 in
Insulation Diameter	1.4 – 1.5 mm[.055 – .059 in]

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 Method	Strip
Packaging Quantity	20000

Other

Comment	Machine applied applicator required.
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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 2019 (197) Candidate List Declared Against: JAN 2019 (197)
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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



Applicators(4)



Portable Crimp Tools(2)



Spare & Wear Tooling(1)



Wire-to-Board Connector Housings(17)



Wire-to-Board Headers & Receptacles(11)

Customers Also Bought



TE Part #172520-6
6P 2.5MM MINI AMP-IN
HDR HSG



TE Part #173690-1
PL 187 TERMINAL 24-20
AWG 0.3 X 14.0



TE Part #172520-7
7P 2.5MM MINI AMP-IN
HDR HSG



TE Part #172520-4
LOW PRO MINI AMP-IN
HDR 4P

LOW PROFILE MINI AMP-IN

TE Part # 172782-7
TE Internal #: 172782-7



TE Part #1633965-1
CRIMPER, INSUL O
PREMIUM



TE Part #1-562108-5
CRIMPER WIRE



TE Part #172520-3
LOW PRO MINI AMP-IN
HDR 3P



TE Part #1418776-1
COVER,MQS,5 POS.



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



TE Part #172520-2
2P 2.5MM MINI AMP-IN
HDR HSG

Documents

Product Drawings

LOW PROFILE MINI AMP-IN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_172782-7_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_172782-7_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_172782-7_N.3d_stp.zip

English

Datasheets & Catalog Pages

PRINTED CIRCUIT BOARD TERMINALS AND DISCONNECTS

English

Product Specifications

Application Specification

Japanese

Crimping of Low Profile, Mini AMP-IN* Terminals

Japanese

Product Environmental Compliance



TE Material Declaration

English