

1376478-3 ✓ ACTIVE



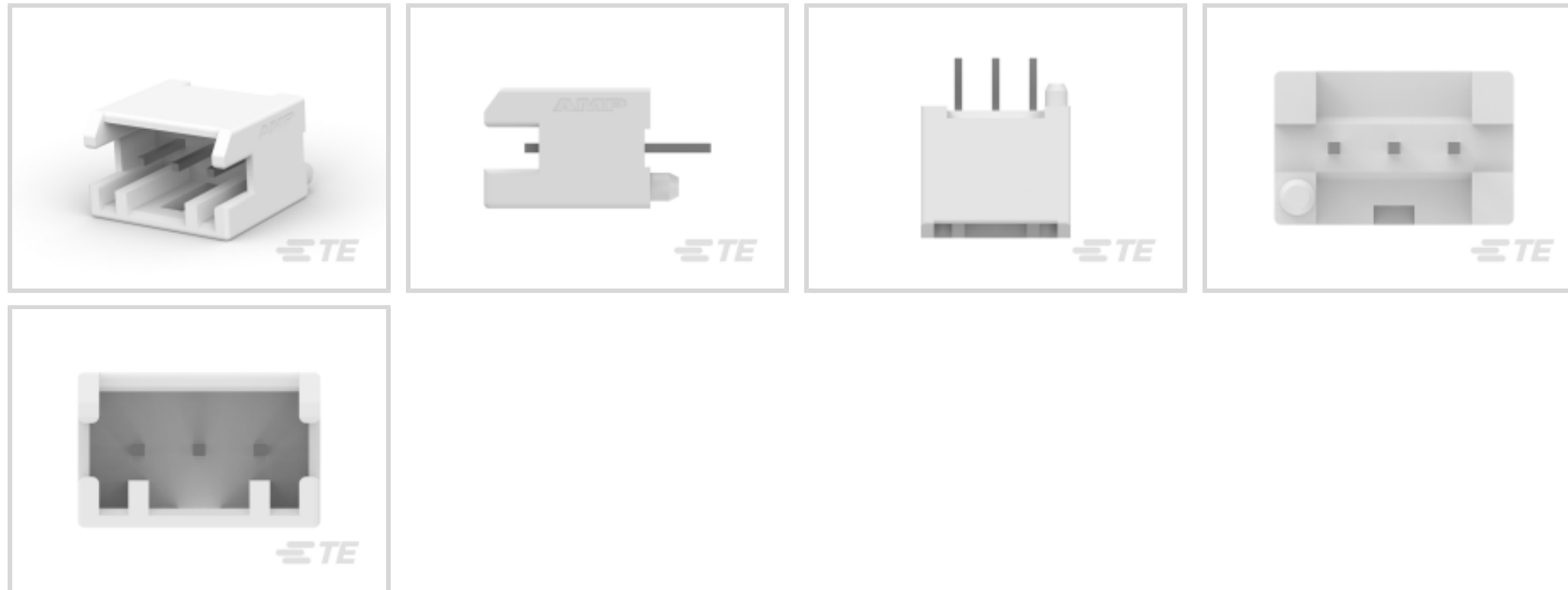
AMP Signal Double Lock

TE Internal #: 1376478-3

AMP Signal Double Lock, PCB Mount Header, Vertical, Wire-to-Board, 3 Position, 2.5mm [.098in] Centerline, 1 Row, Tin, Natural Housing Color

[View on TE.com >](#)

Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **3**

Centerline (Pitch): **2.5 mm [.098 in]**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VAC
-------------------	--------

Contact Features

Contact Layout	Inline
Contact Mating Area Length	4.35 mm[.17 in]



Mating Square Post Dimension	.5 mm[.02 in]
Contact Retention Within Housing	Without
PCB Contact Termination Area Plating Material Thickness	.8 – 1.6 μm [31.49 – 62.99 μin]
Contact Underplating Material Thickness	.5 – 1.2 μm [19.68 – 47.24 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Underplating Material	Copper
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.8 μm [31.49 μin]
Contact Type	Pin
Contact Current Rating (Max)	2.5 A

Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Post & Tail Length	3.2 mm[.126 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Boss
Strain Relief	Without
Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Retention Type	Kinked
Mating Retention Type	Latch
PCB Mount Alignment	With
Mating Retention	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
Housing Color	Natural



Housing Material	Nylon 66 GF
------------------	-------------

Dimensions

Connector Length	10 mm[.39 in]
Connector Height	8.8 mm[.34 in]
Connector Width	8.2 mm[.32 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
-----------------------------	----------------------------

Operation/Application

Circuit Application	Signal
---------------------	--------

Industry Standards

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

Packaging Features

Packaging Quantity	400
Packaging Method	Bag/Box

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	Not Yet Reviewed
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 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 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 # 1376477-3
2.5MM PITCH SIGNAL MATE CONN

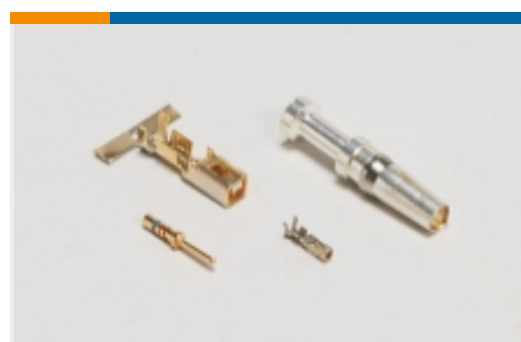


TE Part # CAT-SI261-H342
STD Temp Signal Double Lock Header




TE Part # 1743493-1
REAR SEAL FOR BLOWER MOTOR

Also in the Series | AMP Signal Double Lock



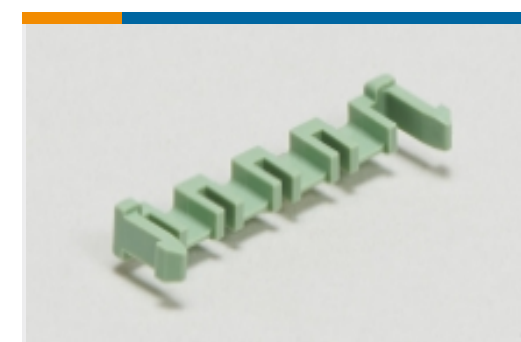
Connector Contacts(9)




Insertion & Extraction Tools(1)




PCB Connector Seals(1)




PCB Latches, Locks & Retainers(17)



Rectangular Caps & Covers(1)




Rectangular Connector Housings(23)



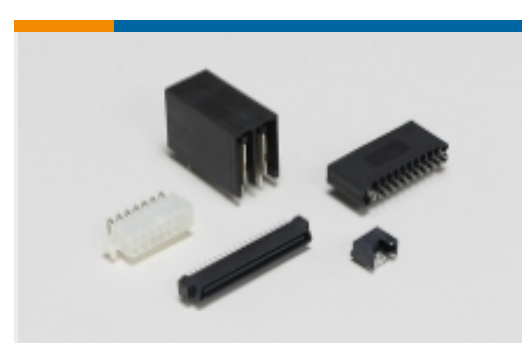
Rectangular Connector Locking(2)



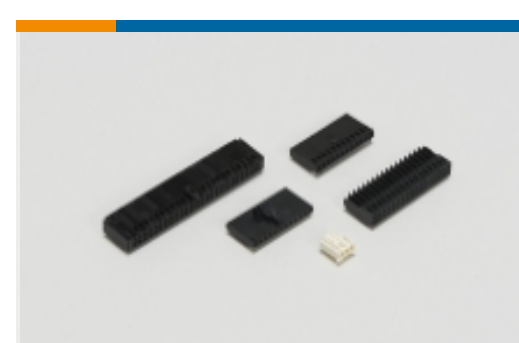
Rectangular Connector Seals(10)




Rectangular Power Connectors(3)



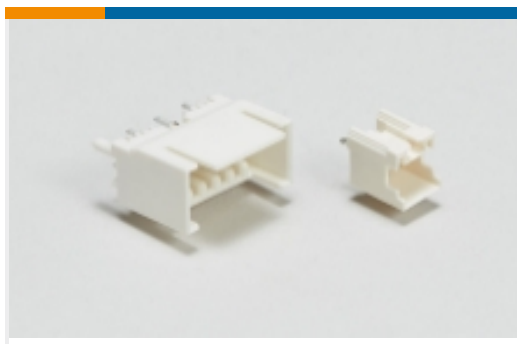
Standard Rectangular Connectors(1)



Wire-to-Board Connector Assemblies & Housings(74)

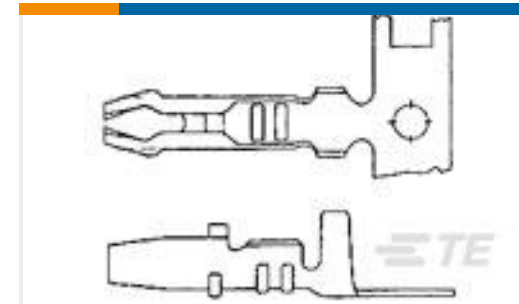
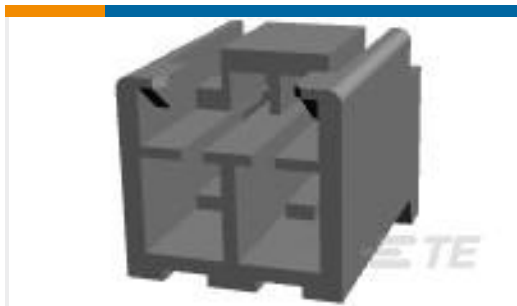
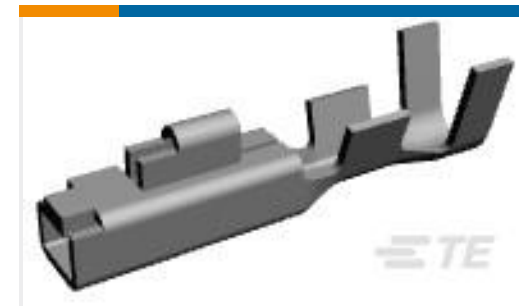
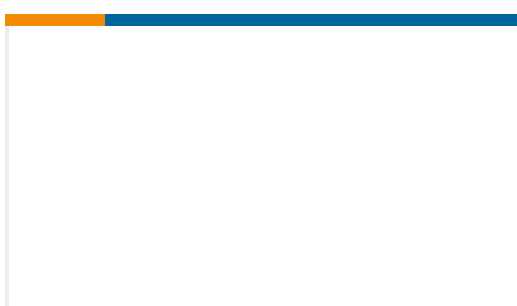


Wire-to-Board Connector Contacts(6)



Wire-to-Board Headers & Receptacles (157)

Customers Also Bought

TE Part #1376477-3
2.5MM PITCH SIGNAL MATE CONNTE Part #1376478-2
2.5 SMC HDR 2POS WHITE (LP)TE Part #170338-1
AMP-IN 22-18 AWGTE Part #1747052-3
Glow Wire GRACE INERTIA HeaderTE Part #9-176975-1
AMP UNIVERSAL POWER PLG 2P PCBTE Part #1747996-3
GHC EYELET 12.4 2POS HEADER ASSY BLUETE Part #175151-5
AMP UNIVERSAL POWER CONN.REC CTE Part #1599107-1
CLUSTER TERMINAL REC,.090 DIATE Part #1554260-1
DUST CAPTE Part #171883-1
13P MIC HSG 171358-1 MARKED

Documents

Product Drawings

2.5MM SIGNAL MATE CONN HEADER

English

CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_1376478-3_E.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_1376478-3_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1376478-3_E.3d_stp.zip](#)

English

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

Product Specifications

Application Specification

English

Product Environmental Compliance

[MD_1376478-3_052620162357_dmtec](#)

English

[MD_1376478-3_052620162357_dmtec](#)

English