

1903813-1 ✓ ACTIVE



AMP Signal Double Lock

TE Internal #: 1903813-1

AMP Signal Double Lock, PCB Mount Header, Vertical, Wire-to-Board, 5 Position, 2.5mm [.098in] Centerline, 1 Row, Tin, Natural Housing Color

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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: **5**

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	5
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Connector Profile	Standard
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Contact Features

Contact Layout	Inline
	.185 in
Mating Square Post Dimension	.64 mm[.025 in]
Contact Retention Within Housing	Without
PCB Contact Termination Area Plating Material Thickness	.8 – 2.5 μm [31.49 – 98.42 μin]
Contact Underplating Material Thickness	.5 – 1.2 μm [19.68 – 47.24 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Underplating Material	Copper
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Base Material	Copper Alloy
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)	5 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 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
Panel Mount Feature	Without
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

Dimensions

Connector Length	15 mm[.59 in]
Connector Height	9.8 mm[.385 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]
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Operation/Application

Circuit Application	Signal
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	150
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 2021 (211) Candidate List Declared Against: JUL 2017 (174) SVHC > Threshold: Not Yet Reviewed
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 # 917785-1
2.5 S.D.L POST HDR ASY 7P STD



TE Part # 917783-1
2.5 S.D.L POST HDR ASY 5P STD



TE Part # 917689-1
2.5 SIGNAL D/LOCK PLUG HSG 5P



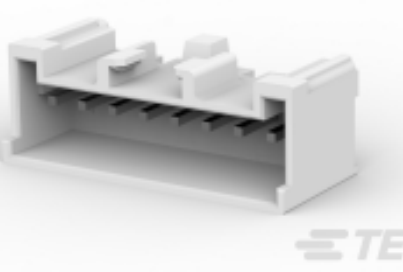
TE Part # CAT-526SDL-SEALHS
2.5mm Sealed Connector: Housings, Signal Double Lock Connectors



TE Part # 917784-1
2.5 S.D.L POST HDR ASY 6P STD



TE Part # 917783-2
2.5 S.D.L STD 5P HDR ASSY



TE Part # 917786-1
2.5 S.D.L POST HDR ASY 8P STD



TE Part # 2-917783-1
2.5 S.D.L POST HDR ASY 5P STD



TE Part # 2-917783-2
2.5 S.D.L STD 5P HDR ASSY



TE Part # 917784-9
2.5 S.D.L HDR ASSY 6P STD



TE Part # 917785-2
2.5 S.D.L HDR ASSY 7P STD TYPE



TE Part # 1743490-1
BLOWER MOTOR 3P HDR ASSY



TE Part # 1746062-2
2.5SDL HDR 14P STD ASSY RED



TE Part # 2-1376274-1
2.5 SDL STD HDR ASSY 2/4P

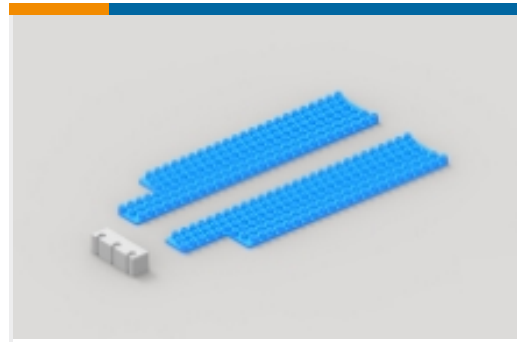
Also in the Series | AMP Signal Double Lock



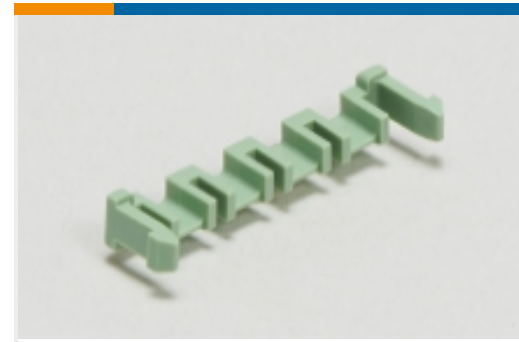
Connector Contacts(9)



Insertion & Extraction Tools(1)



PCB Connector Seals(1)



PCB Latches, Locks & Retainers(17)



Rectangular Caps & Covers(1)



Rectangular Connector Housings(23)



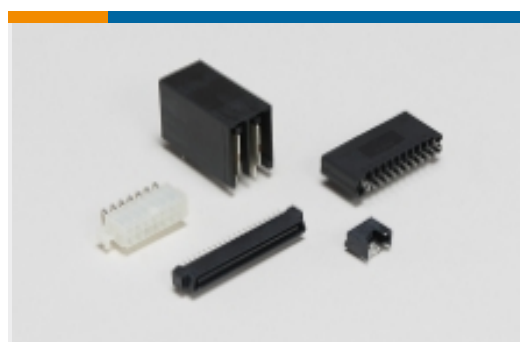
Rectangular Connector Locking(2)



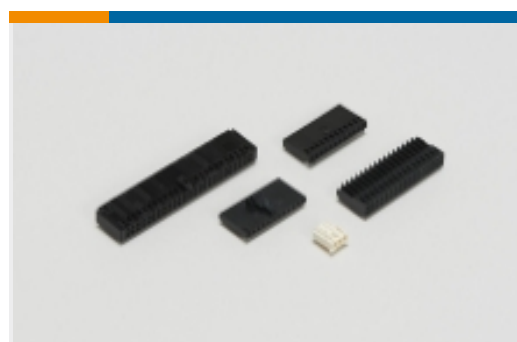
Rectangular Connector Seals(10)



Rectangular Power Connectors(3)



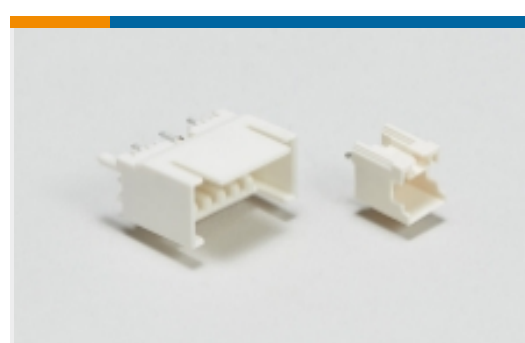
Standard Rectangular Connectors(1)



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



Wire-to-Board Connector Contacts(6)



Wire-to-Board Headers & Receptacles (157)

Customers Also Bought



TE Part #1721539-5
OJE-SS-112HM2,000



TE Part #3-641239-4
04P MTA100 CONN ASSY BLU LF



TE Part #1643906-1
Crown Clip Senior 538-17-00100 399-017



TE Part #215460-8
MICRO-MATCH FEM.SE



TE Part #213500-1
RECPT HSG, 8 POWER, METRIMATE



TE Part #4-641208-2
12P MTA156 HDR ASSY FL ST LF



TE Part #382825-000
44A1121-16-2/6-9



TE Part #5-146276-3
03 MODII HDR SRST B/A .100CL



TE Part #829264-3
2X 3P HV100 REC CON.B/TE, 6.2, NO KINK

Documents

Product Drawings

2.5MM SDL 3/5P POST HDR ASSY S

Japanese

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1903813-1_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1903813-1_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1903813-1_D.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

Conditions of 2.5mm Signal Double Lock Contacts

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

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AMP Signal Double Lock, PCB Mount Header, Vertical, Wire-to-Board, 5 Position, 2.5 mm [.098in] Centerline, 1 Row, Tin, Natural Housing Color



AMP 2.5 SIGNAL DOUBLE LOCK CONNECTOR SERIES

English

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[609-3404](#) [61062-3](#) [61082-181009](#) [622-3653LF](#) [63453-116](#) [636-1030](#) [636-1427](#) [636-3427](#) [636-4007](#) [641938-9](#) [641991-4](#) [644827-2](#) [65817-010LF](#) [65817-015LF](#) [65863-015LF](#) [66207-023LF](#) [67095-007LF](#) [67601157](#) [68645-018](#) [68648-049](#) [70.362.1628.0](#) [70-4210](#) [70-4226B](#) [70-4853B](#) [707-5020](#) [707-5028](#) [71.350.2428.0](#) [71918-208LF](#) [71961-016LF](#) [733-134](#) [733-162](#) [754199-000](#) [760-3052](#) [787-8014-00](#) [79531-3000](#)
[FCN-360C032-B](#) [FCN-367T-T012/H](#) [FCN-723D010/2](#) [80.063.4001.1](#) [800-90-001-10-001000](#) [800-90-010-10-002000](#) [801-43-002-10-013000](#)