

316535-1 ✓ ACTIVE

AMP Signal Double Lock

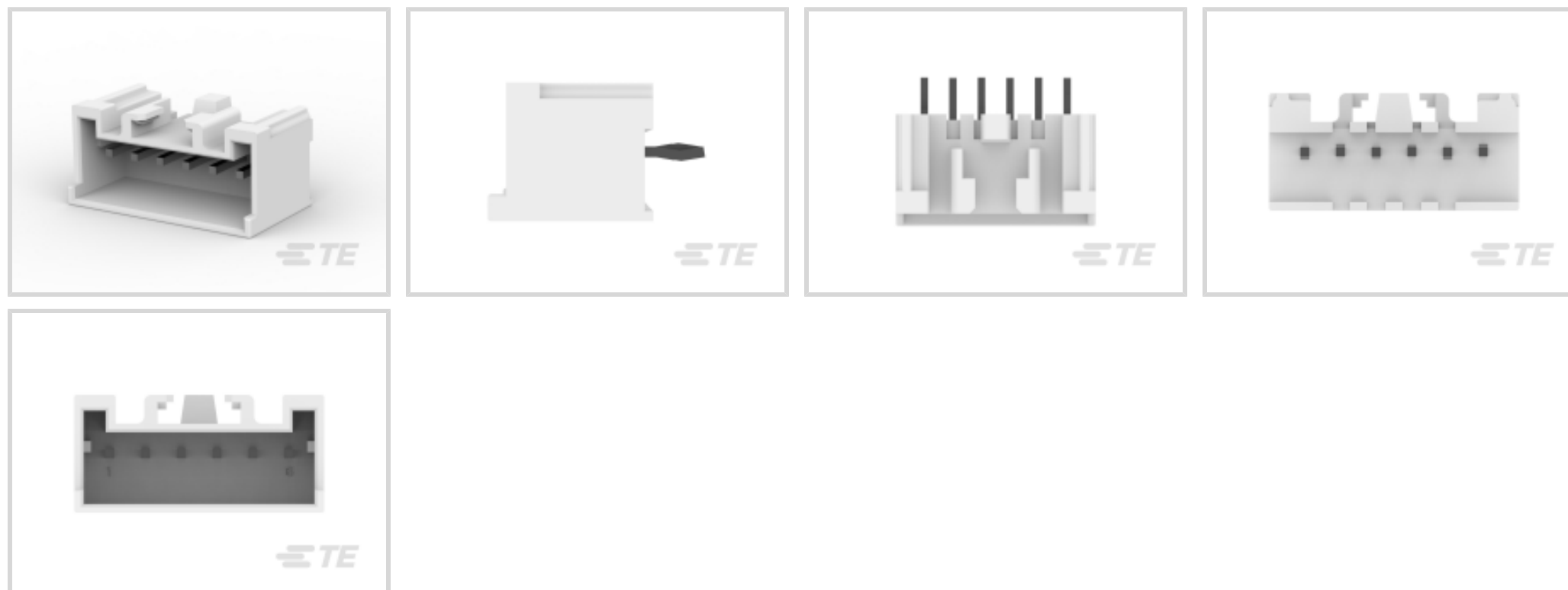
TE Internal #: 316535-1

PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, AMP Signal Double Lock

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **6**

Number of Rows: **1**

Features

Electrical Characteristics

Operating Voltage	250 VDC
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Dimensions

Connector Width	8.2 mm[.32 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	9.8 mm[.39 in]
Connector Length	17.5 mm[.68 in]

Packaging Features

Packaging Quantity	27
Packaging Method	Tube, Box

Industry Standards

Compatible With Agency/Standards Products	UL, CSA
Compatible With Approved Standards Products	UL E28476, CSA LR7189
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0



Body Features

Connector Profile	Standard
Primary Product Color	Natural

Mechanical Attachment

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

Termination Features

Termination Post & Tail Length	3.2 mm[.126 in]
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Through Hole - Solder

Contact Features

Contact Underplating Material	Copper
Contact Underplating Material Thickness	.5 – 1.2 μm [19.68 – 47.24 μin]
Contact Mating Area Plating Material Thickness	.8 μm [31.49 μin]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	.8 – 2.5 μm [31.49 – 98.42 μin]
Contact Layout	Inline
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	3 A

Housing Features

Housing Material	Nylon 6/6 GF
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Centerline (Pitch)	2.5 mm[.098 in]
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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	6
Number of Rows	1

Usage Conditions

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

Circuit Application	Signal
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

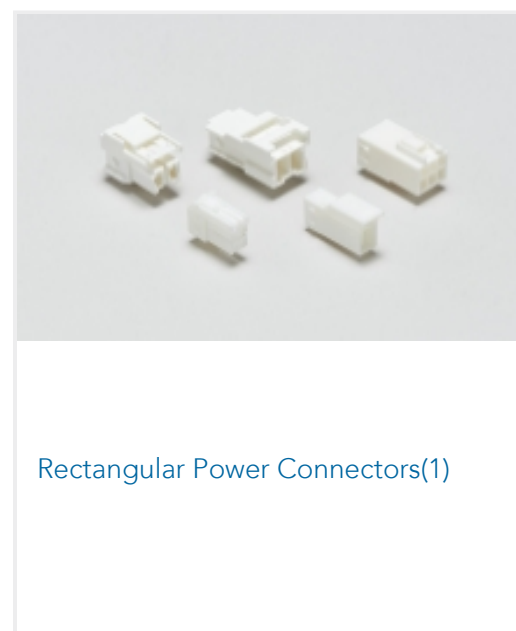
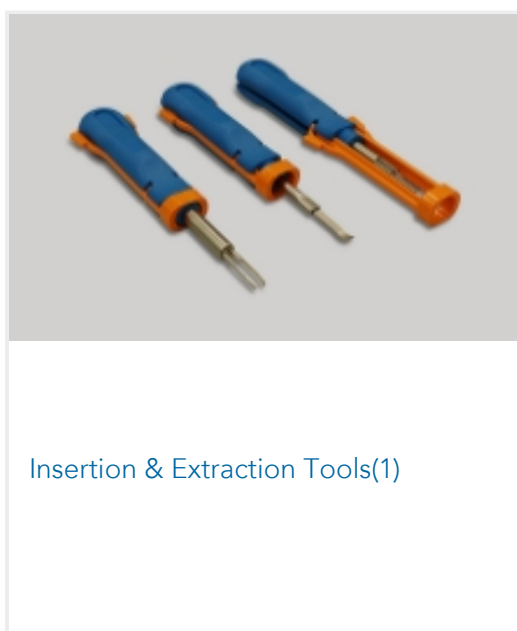
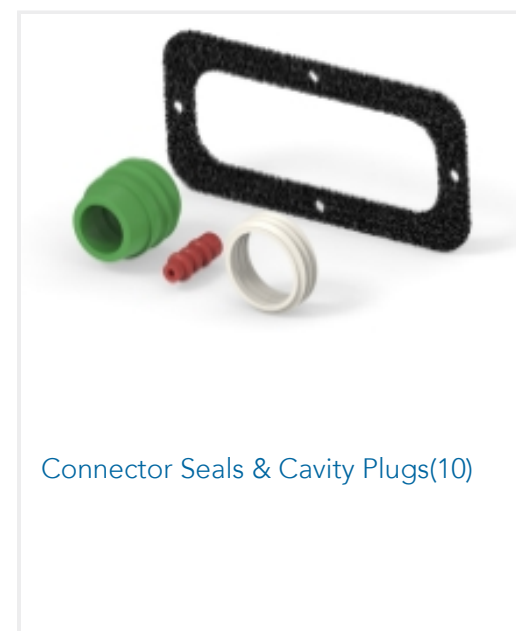
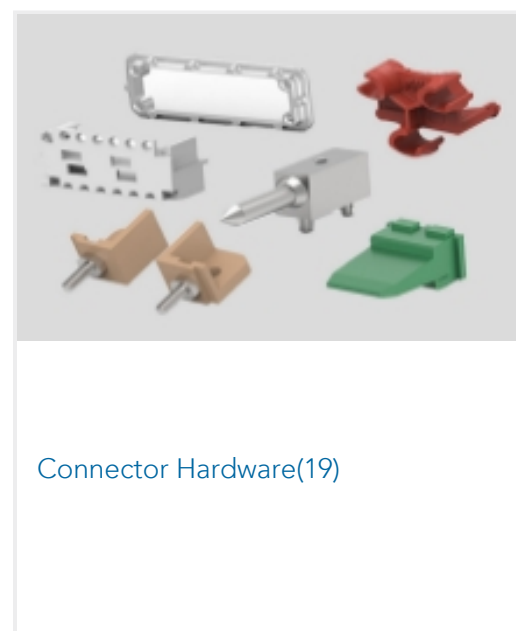
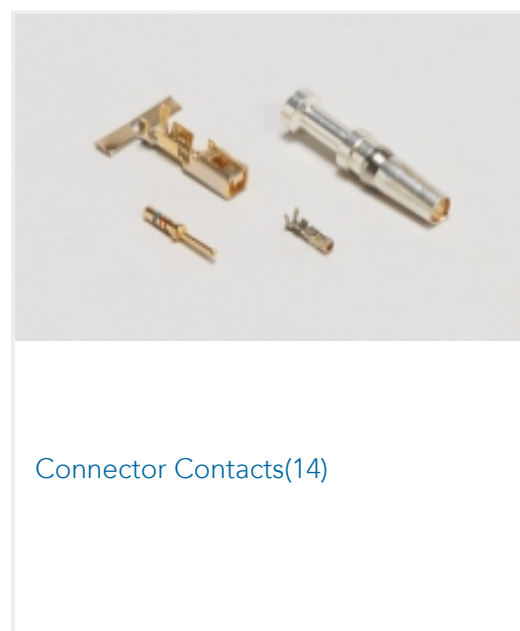
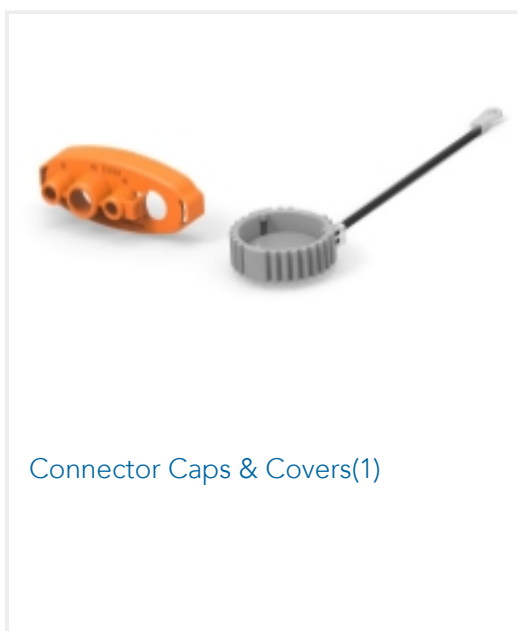
Product Compliance Disclaimer

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



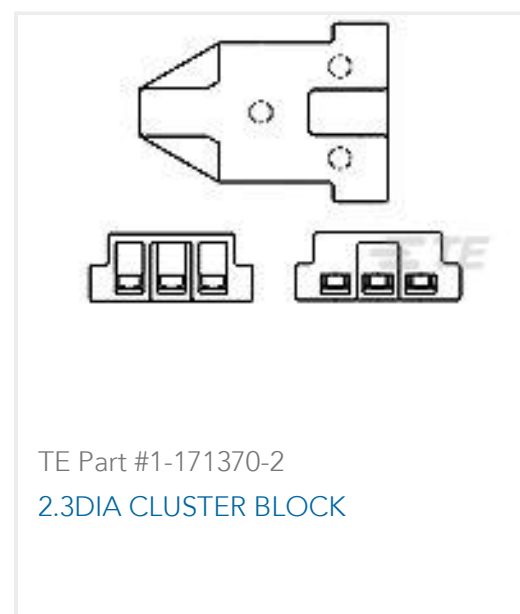
Also in the Series | AMP Signal Double Lock



Customers Also Bought



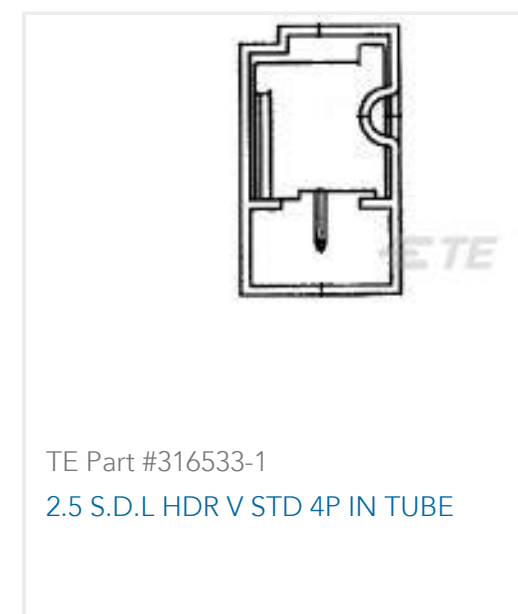
TE Part #176275-2
UNIV POWER PLUG HSG 8P F/H



TE Part #1-171370-2
2.3DIA CLUSTER BLOCK



TE Part #1-1747066-6
GRACE INERTIA CONN 2.5 PLUG
HSG 6P RED



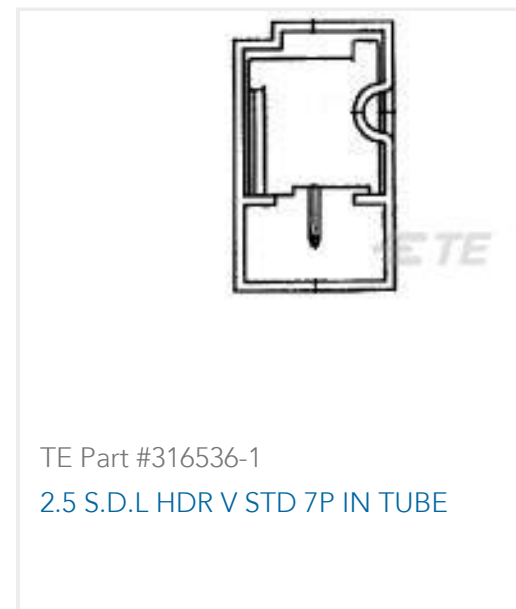
TE Part #316533-1
2.5 S.D.L HDR V STD 4P IN TUBE



TE Part #1747052-5
GRACE INERTIA CONNECTOR 7.92
2POS HEADER



TE Part #1-1747066-5
GRACE INERTIA CONN 2.5 PLUG
HSG 5P RED



TE Part #316536-1
2.5 S.D.L HDR V STD 7P IN TUBE



TE Part #179846-6
AMP POWER D/LOCK T/HDR ASSY 3P



TE Part #1-1903127-0
DYNAMIC 1100D TAB HSG 40P F/H



TE Part #316534-1
2.5 S.D.L HDR V STD 5P IN TUBE

Documents

Product Drawings

[2.5 S.D.L HDR V STD 6P IN TUBE](#)

English

[2.5 S.D.L HDR V STD 6P IN TUBE](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_316535-1_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_316535-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_316535-1_C.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

Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

English

[AMP 2.5 SIGNAL DOUBLE LOCK CONNECTOR SERIES](#)

English

Agency Approvals

[UL Report](#)

English