1897005-1 ✔ ACTIVE

Power Double Lock

TE Internal #: 1897005-1

PCB Mount Header, Right Angle, Wire-to-Board, 4 Position, 3.96 mm [.156 in] Centerline, Fully Shrouded, Tin (Sn), Power Double Lock

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **4**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

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

Configuration Features

Number of Columns	4
Number of Loaded Positions	4
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	4

Number of Rows	1
Number of Power Positions	4

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.8 – 1.8 µm[31.49 – 70.86 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Size	1.5mm
Mating Tab Width	1.5 mm[.06 in]
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Shape & Form	Rectangular
Contact Layout	Inline
Contact Mating Area Length	8.45 mm[.333 in]
Contact Base Material	Brass
Mating Tab Thickness	.5 mm[.02 in]
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
Contact Type	Tab
Contact Current Rating (Max)	9 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Rectangular Termination Post & Tail Width	1.5 mm[.06 in]
Rectangular Termination Post & Tail Thickness	.5 mm[.02 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Locking Latch
Mating Alignment Type	Polarization

PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Mating Entry Location	Side
Centerline (Pitch)	3.96 mm[.156 in]
Housing Material	PA 66

Dimensions

Connector Width	15.7 mm[.618 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	8.35 mm[.328 in]
Connector Length	23.8 mm[.937 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 240°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 # CAT-P87024-R2435
Power Double Lock Receptacle

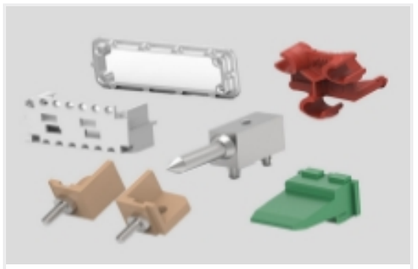


TE Part # 1897007-1
HALL SENSOR 4P PLUG HSG

Also in the Series | Power Double Lock



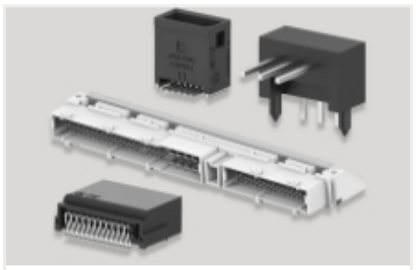
Connector Contacts(24)



Connector Hardware(13)



Insertion & Extraction Tools(2)



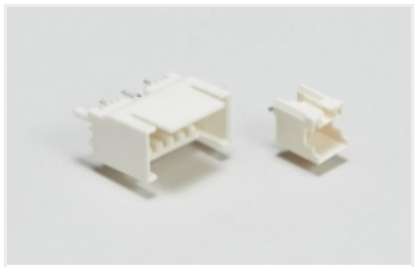
PCB Headers & Receptacles(43)



Power Contacts(24)

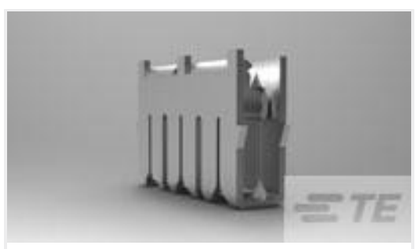


Rectangular Power Connectors(275)



Wire-to-Board Headers & Receptacles (43)

Customers Also Bought



TE Part #63632-1
MAG-MATE TRI SLOT 016TPBR



TE Part #521212-2
ULTRA-POD 187 ASSY REC 18-14 AWG TPBR



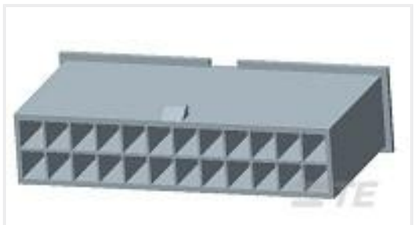
TE Part #917707-1
2.5 SIGNAL D.LOCK D.L.P 11P



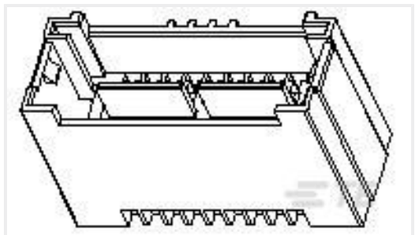
TE Part #2-1565088-3
GRACE INERTIA CONNECTOR 3.5 6P



TE Part #1969608-3
3P VAL-U-LOK TPA 22-18 AWG



TE Part #1969612-6
6P FH PLUG VAL-U-LOK V0



TE Part #2108505-1
2.5 SDL 18P CAP HSG 2ROW



TE Part #2310133-1
MULTI 6P CONNECTOR

TE Part #3-1971882-1
2P HOUSING(HIGH VOLTAGE) MULTI 6P CONNE

TE Part #3-1983665-1
1 POS DOUBLE LOCK PLATE MULTI 6P CONNECT

Documents

Product Drawings

HALL SENSOR 4P HDR ASSY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1897005-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1897005-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1897005-1_B.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English