



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **5**

Number of Rows: **1**

Features

Product Type Features

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

PCB Mount Orientation	Vertical
Number of Positions	5
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VDC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.3 µm[11.81 µin]
Mating Tab Width	.7 mm[.028 in]
PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 µin]
Contact Layout	Matrix
Contact Base Material	Brass
Mating Tab Thickness	.5 mm[.02 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Tab
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	3 mm[.118 in]
Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention Type	Kinked
PCB Mount Alignment Type	Boss
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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

Dimensions

Connector Width	6.8 mm[.26 in]
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PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	11.3 mm[.444 in]
Connector Length	15 mm[.59 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

Compatible With Agency/Standards Products	UL
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	300
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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 1747509-1
GRACE INERTIA CONN 2.5 HDR ASSY
5/7P NAT

TE Part # 1827738-1
GIC 2.5 HDR ASSY SPECIAL 3/5P

TE Part # 1-1747067-2
GRACE INERTIA CONN 2.5 HDR ASSY
2P RED

TE Part # 1-1747067-6
GRACE INERTIA CONN 2.5 HDR ASSY
6P RED

TE Part # 1747067-2
GRACE INERTIA CONN 2.5 HDR ASSY
2P NATUR

TE Part # 2-1747067-4
GRACE INERTIA CONN 2.5 HDR ASSY
4P BLUE

TE Part # 2-1871843-5
GIC 2.5 HDR ASSY TIN VERSION 5P
BLUE

TE Part # 2-1747067-6
GRACE INERTIA CONN 2.5 HDR ASSY
6P BLUE

TE Part # 3-1871843-5
GIC 2.5 HDR TIN VERSION 5P
YELLOW

TE Part # 1-1871843-5
GIC 2.5 HDR ASSY TIN VERSION 5P
RED

Also in the Series | GRACE INERTIA 2.5

Connector Contacts(6)

Connector Hardware(7)

PCB Headers & Receptacles(173)

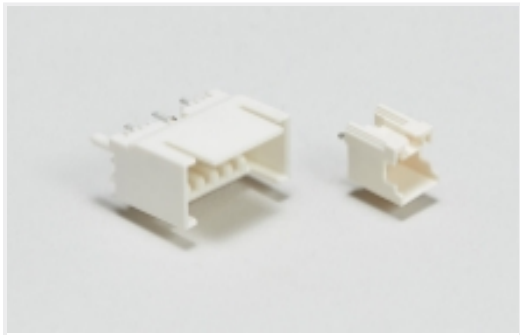
Power Contacts(2)



Rectangular Power Connectors(20)



Wire-to-Board Connector Assemblies & Housings(27)



Wire-to-Board Headers & Receptacles (173)

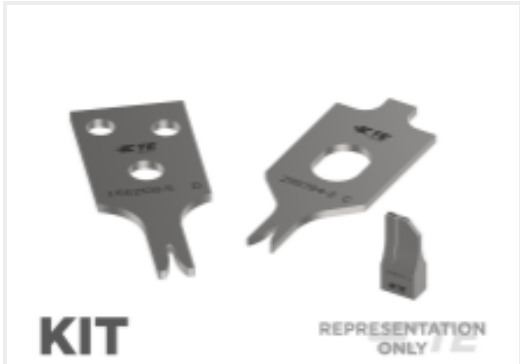
Customers Also Bought



TE Part #2836047-1
OCEAN_2.0_Applicator-S-120F190F-RSM



TE Part #2-1747066-4
GRACE INERTIA CONN 2.5 PLUG HSG 4P BLUE



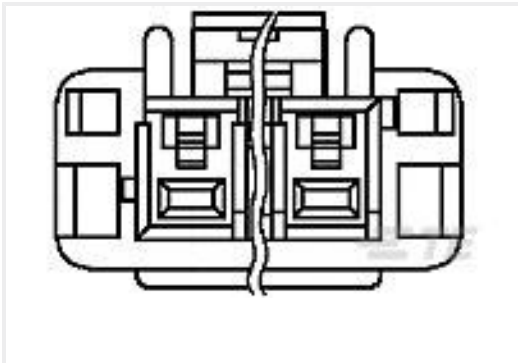
TE Part #7-2836047-7
OCEAN_2.0_SPARE_PART_KIT-120F190F



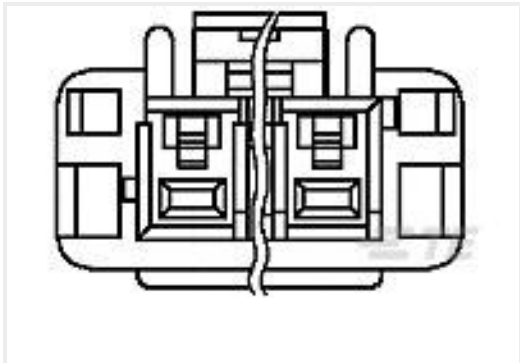
TE Part #2366250-4
PLUG HSG, SDL 2.5, 4P TNL



TE Part #1-368587-1
PDL 4P CAP 3.96 D/R F/H(GWT) N



TE Part #1-1376391-2
5MM POWER KEY 6P PLUG HSG RED



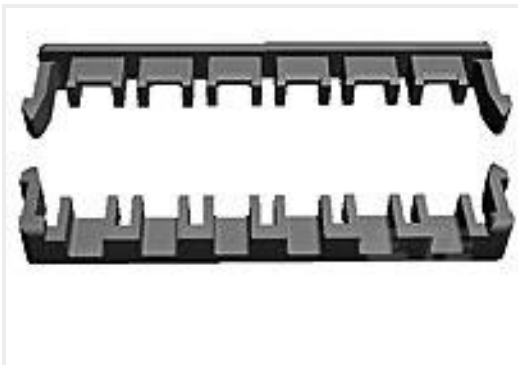
TE Part #1376391-1
5MM POWER KEY 6P PLUG HSG NUT



TE Part #170011-2
RING STRIP 18-14 MM2 0.503 X 11.938 TPBR



TE Part #1747049-1
GRACE INERTIA CONNECTOR 6.5 3POS HEADER



TE Part #1376397-1
5MM POWER KEY D/L PLATE GREEN

Documents

Product Drawings

GRACE INERTIA CONN 2.5 HDR ASSY 5P NATUR

Japanese

CAD Files

Customer View Model

ENG_CVM_CVM_1747067-5_C.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_1747067-5_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1747067-5_C.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English