



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **16**

Number of Rows: **1**

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Breakaway
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Connector Contact Load Condition	Fully Loaded
Board-to-Board Configuration	Parallel
PCB Mount Orientation	Vertical
Number of Positions	16
Number of Rows	1

Electrical Characteristics

Insulation Resistance	5000 MΩ
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Dielectric Withstanding Voltage (Max)750 Vrms

Body Features

Primary Product Color	Green
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Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Plating Material Thickness	.8 µm[31.5 µin]
Mating Square Post Dimension	.63 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	3 µm
Contact Shape & Form	Square
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au), Gold Flash
Contact Type	Pin
Contact Current Rating (Max)	5 A

Termination Features

Termination Post & Tail Length	3.2 mm[.126 in]
Square Termination Post & Tail Dimension	.63 mm[.025 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Housing Material	PBT
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
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Usage Conditions

Housing Temperature Rating	Standard
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

Operation/Application



Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	500
Packaging Method	Carton

Product Compliance

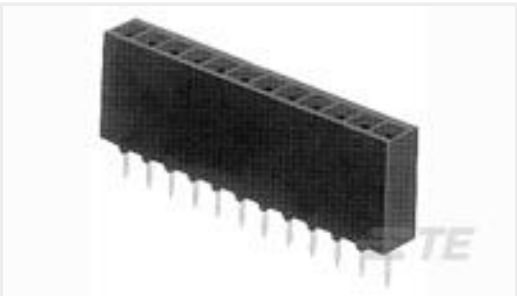
For compliance documentation, visit the product page on TE.com>

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

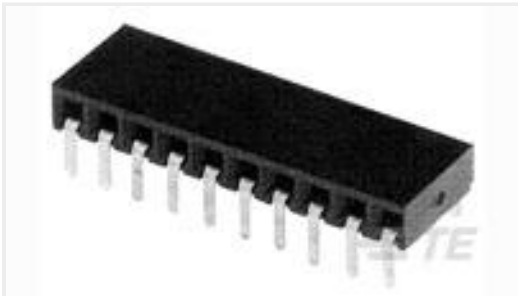
Product Compliance Disclaimer

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



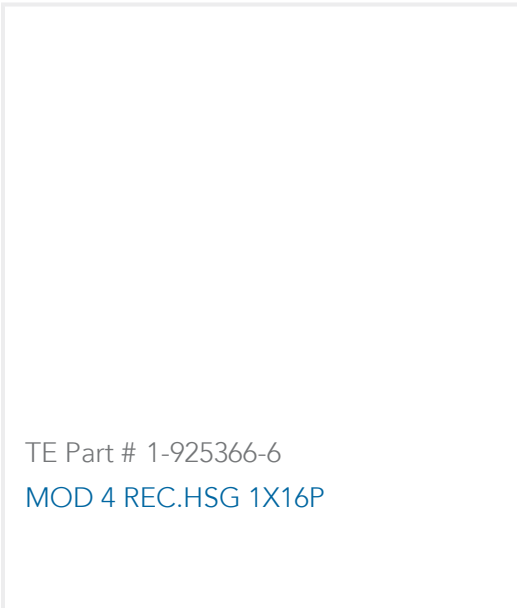
TE Part # 1-829265-6
16P HV100 REC.CON. B/TE,6,2,NO KINK



TE Part # 1-216602-6
HV190 REC ASSY 1X16P



TE Part # 1-215299-6
16P HV100 REC CON. TE, 8.5MM



TE Part # 1-925366-6
MOD 4 REC.HSG 1X16P

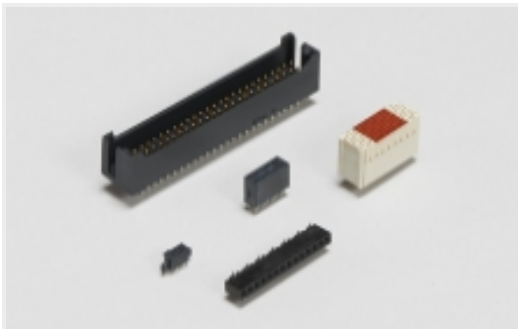


TE Part # 1-215297-6
16P HV100 REC CON. TE, 7.0MM

Also in the Series | AMPMODU Headers



Automotive Headers(1)



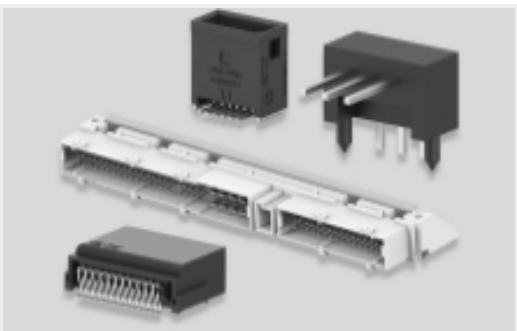
Board-to-Board Headers & Receptacles(1576)



Connector Contacts(47)



Connector Hardware(1)



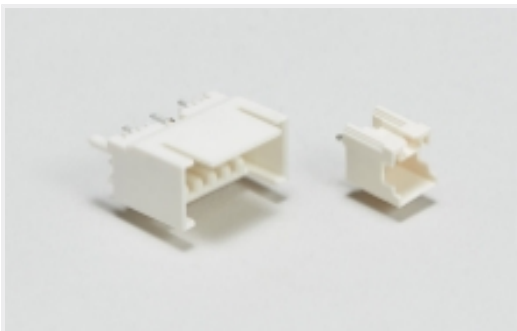
PCB Headers & Receptacles(1621)



Rectangular Power Connectors(43)

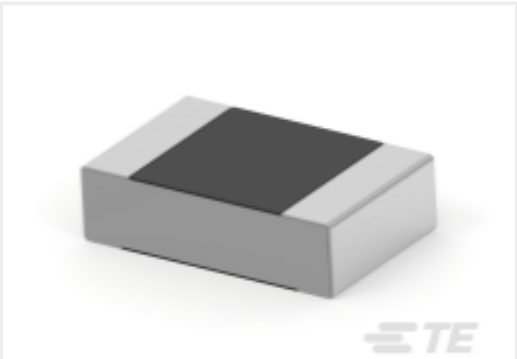


Wire-to-Board Connector Assemblies & Housings(5)



Wire-to-Board Headers & Receptacles (114)

Customers Also Bought



TE Part #1-1614959-7
CPF0805 1M05 0.1% 25PPM 1K RL



TE Part #1-2176326-6
CRGP 0603 180R 1%



TE Part #2176349-5
CRGCQ 2512 22R 1%

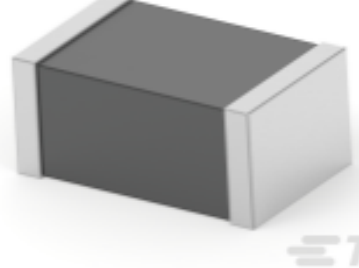


TE Part #8-1879225-2
CPF 0603 316K 0.1% 25PPM 1K RL





TE Part #7-1614894-6
[CPF0805 1M8 0.1% 25PPM 5K RL](#)



TE Part #2176486-2
[BMC 0805 120R 25% A Gen C](#)



TE Part #2029047-2
[2P MICRO MNL RCPT HSG SR SIDE](#)



TE Part #1676701-2
[RN 0805 47R5 0.1% 10PPM 1K RL](#)



TE Part #3-2176056-5
[RLP73K 2B R27 5% 5K RL](#)



TE Part #8-2176089-0
[RP 1J 0.166W 78K7 0.1% 25PPM 1K RL](#)

Documents

Product Drawings

[16X1 AMPMODU II HDR ST](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-826629-6_R.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-826629-6_R.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-826629-6_R.3d_stp.zip](#)

English

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Agency Approvals

[UL Report](#)

English