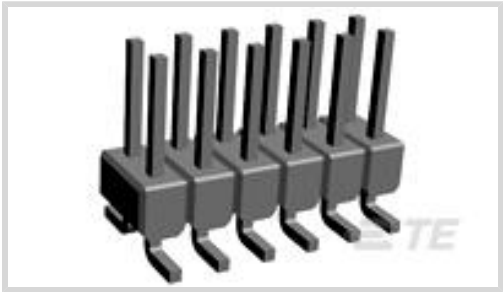




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **12**

Number of Rows: **2**

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	12
Number of Rows	2

Body Features

Primary Product Color	Black
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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	.64 mm[.025 in]



PCB Contact Termination Area Plating Material Thickness	3 μm
Contact Shape & Form	Square
Contact Base Material	Copper Zinc, Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	5 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

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

Housing Features

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

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

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	350
Packaging Method	Reel



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	Reflow solder capable to 260°C

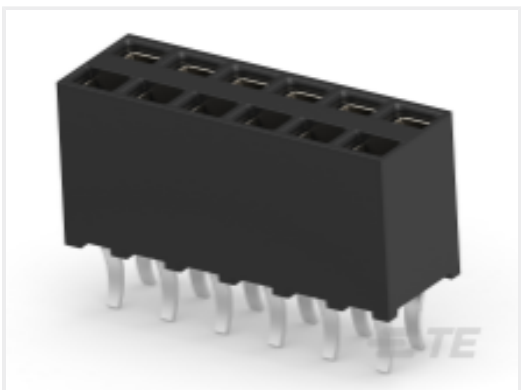
Product Compliance Disclaimer

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>

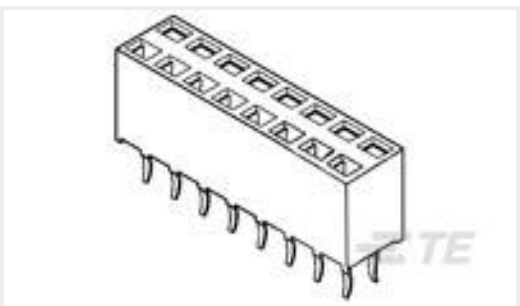
Compatible Parts



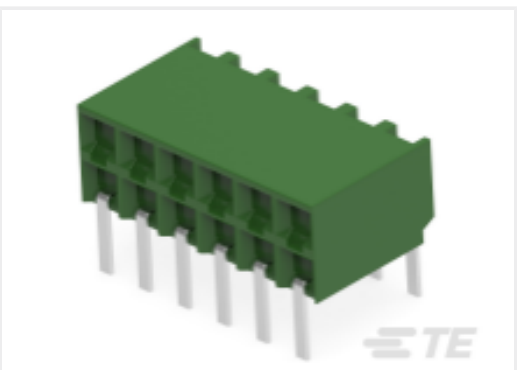
TE Part # 925367-6
MOD 4 REC.HSG 2X06P



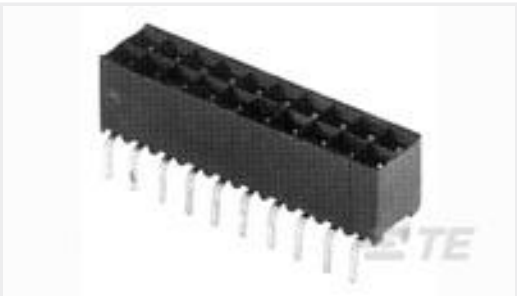
TE Part # 215307-6
2X6P HV100 REC CON. TE, 7.0MM



TE Part # 215309-6
2X6P HV100 REC CON. TE, 8.5MM



TE Part # 216604-6
2X 6P HV190FEDERLEI



TE Part # 829264-6
2X 6P HV100 REC CON.B/TE, 6.2,NO KINK

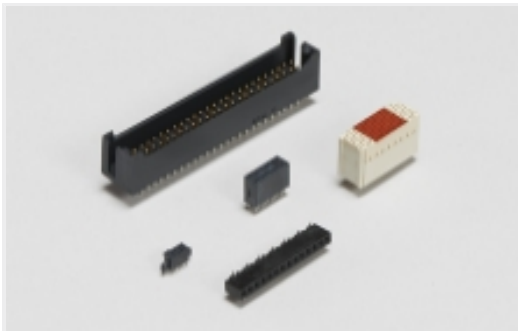


TE Part # 969973-6
2x6P HV100 REC. CON, SMD, GOLD, BLISTER

Also in the Series | AMPMODU Headers



Automotive Headers(1)



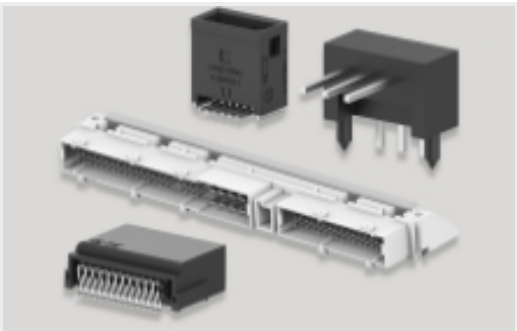
Board-to-Board Headers & Receptacles(1576)



Connector Contacts(47)



Connector Hardware(1)



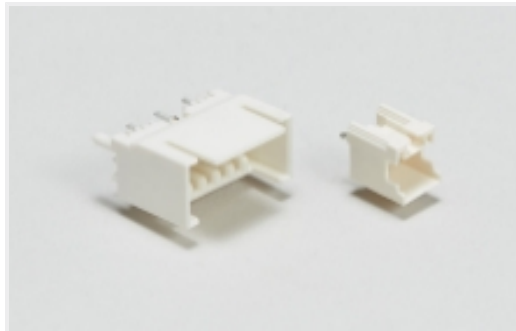
PCB Headers & Receptacles(1621)



Rectangular Power Connectors(43)

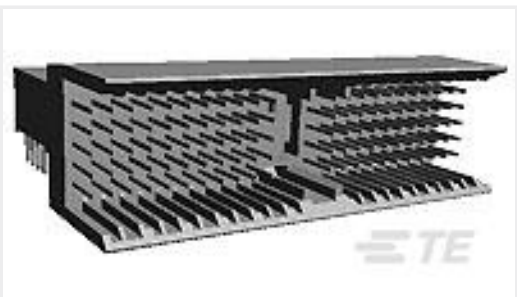


Wire-to-Board Connector Assemblies & Housings(5)

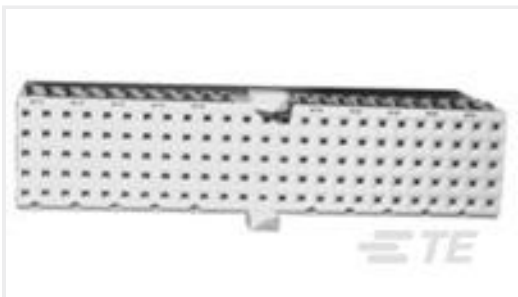


Wire-to-Board Headers & Receptacles (114)

Customers Also Bought



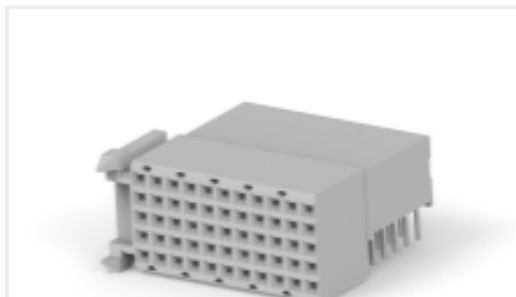
TE Part #5106012-1
Z-PACK/C RAMH. 55P.



TE Part #5646574-1
Z-PACK A/B REC ASY 125P 2MMHM



TE Part #6-2176088-4
RP 1J 0.166W 4K02 0.1% 25PPM 1K RL



TE Part #1857991-1
2mm HM,5ROW,TYPE C-11,REC,EON, 55P



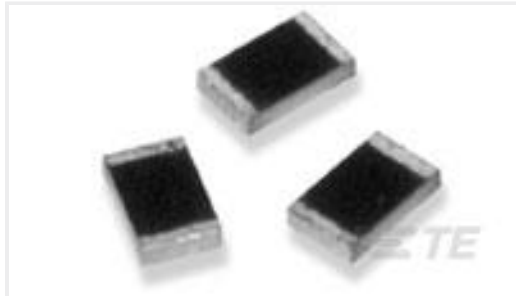
TE Part #2-2176092-3
RP 2A 0.25W 1K15 0.1% 25PPM 1K RL



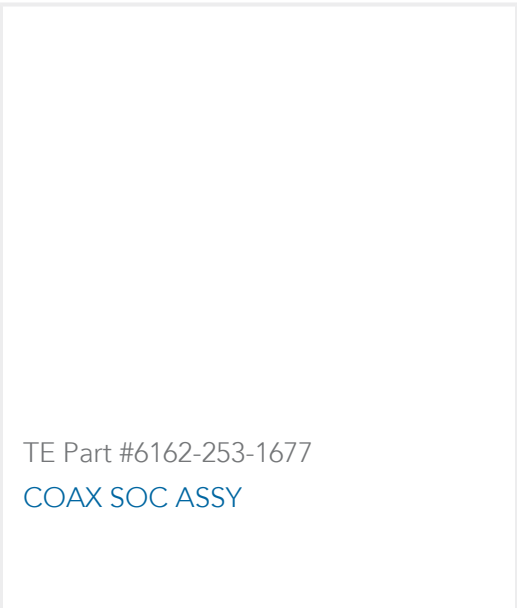
TE Part #1241050-4
2x4P MOD II BREAK AWAY HDR,SMD, BLISTER



TE Part #2-2176341-4
CRGCQ 0805 820R 1%



TE Part #1-1625867-7
RP 1J 0.166W 12K1 0.1% 25PPM 1K RL



Documents

Product Drawings

2x6P MOD II BREAK AWAY HDR,SMD, BLISTER

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1241050-6_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1241050-6_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1241050-6_B.3d_stp.zip

English

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