

216604-6 ✓ ACTIVE

AMPMODU | AMPMODU HV-100/HV-190

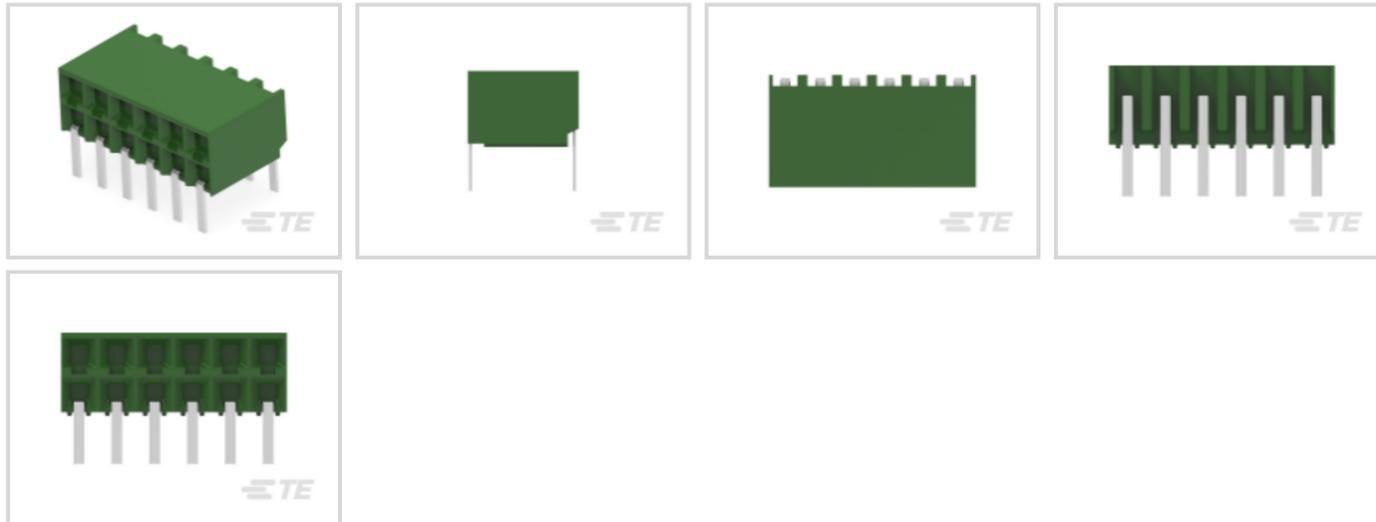
TE Internal #: 216604-6

PCB Mount Receptacle, Right Angle, Board-to-Board, 12 Position,
2.54 mm [.1 in] Centerline, Gold (Au), Through Hole - Solder,
AMPMODU HV-100/HV-190

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **12**

Number of Rows: **2**

Centerline (Pitch): **2.54 mm [.1 in]**

Features

Product Type Features

Connector Shape	Rectangular
PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Stackable	Yes
Number of Positions	12
Number of Rows	2
PCB Mount Orientation	Right Angle

Body Features

Connector Profile	Standard
Primary Product Color	Green



Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	.63 mm[.024 in]
Contact Underplating Material Thickness	1.3 μ m[50 μ in]
PCB Contact Termination Area Plating Material Finish	Matte
Mating Square Post Dimension	.63 mm[.024 in]
PCB Contact Termination Area Plating Material Thickness	3 – 5 μ m[118.11 – 196.85 μ in]
Contact Shape & Form	Square
Contact Layout	Matrix
Contact Protection Type	Closed Entry Housing
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.762 μ m[30 μ in]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	3 A

Termination Features

Rectangular Termination Post & Tail Width	.69 mm[.027 in]
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Termination Post & Tail Length	3.2 mm[.126 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Mating Entry Location	Side
Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	Polyester GF

Dimensions

Connector Height	5.8 mm[.228 in]
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Connector Length	15.24 mm[.6 in]
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Row-to-Row Spacing	7.62 mm[.3 in]
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PCB Thickness (Recommended)	1.6 mm[.063 in]
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Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]
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Operation/Application

Solder Process Feature	Board Standoff
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Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	140
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Packaging Method	Box
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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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
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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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 # 966709-6
2X6P MODU II BREAK AWAY HEADER, SMD



TE Part # 826656-6
6P AMPMODU II STIFT LEI



TE Part # 826662-6
6P AMPMODU II STIFT LEI



TE Part # 1241050-6
2x6P MOD II BREAK AWAY HDR, SMD, BLISTER



TE Part # 826658-6
6P AMPMODU II STIFT LEI



TE Part # 826632-6
6P AMPMODU II PIN HDR

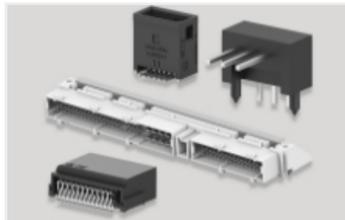


TE Part # 826634-6
MODU HEADER

Also in the Series | AMPMODU HV-100/HV-190



Board-to-Board Headers & Receptacles(152)

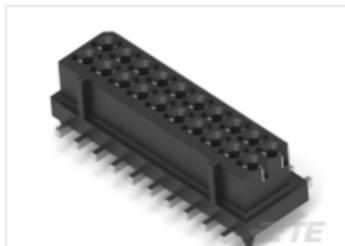


PCB Headers & Receptacles(152)

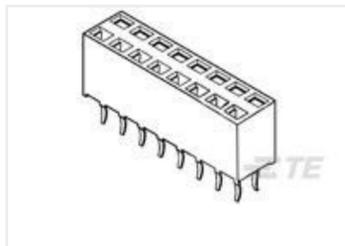
Customers Also Bought



TE Part #T4041037041-000
M8.FMLE.PNLREAR.4POS.STR PCB SHLD



TE Part #5-175638-0
1.25FP,R20,DL,B,N,TR



TE Part #1-215309-8
2X18P HV100 REC CON. TE, 8.5MM



TE Part #499252-2
020 STRAIN RELIEF A-L RCPT



TE Part #1571262-4
SWITCH, TACTILE, SMT, W/BOSS, T&R



TE Part #1622302-1
LR1 1% 10R



TE Part #1622326-1
LR1 1% 15R



TE Part #1623505-1
CRG1206 1% 3K9



TE Part #5103309-1
A/L LOW PRO HDR 10P VERT BLACK



TE Part #1658624-4
20 NOVO DUAL 30DP, LEAD FREE

Documents

Product Drawings

[2X 6P HV190FEDERLEI](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_216604-6_C.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_216604-6_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_216604-6_C.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[1773393_ AMPMODU EUROPEAN STANDARD PRODUCTS](#)

English