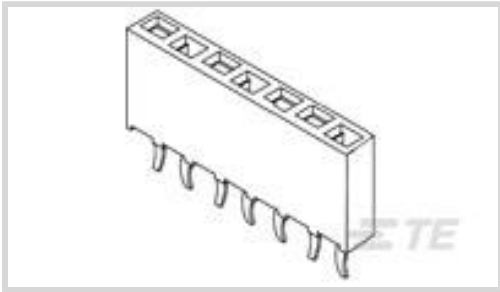




Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **20**

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

Features

Product Type Features

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

Configuration Features

Number of Rows	1
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	20

Body Features

Connector Profile	Standard
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Contact Features

Contact Layout	Inline
Contact Protection Type	Closed Entry Housing
Mating Square Post Dimension	.63 mm[.024 in]
PCB Contact Termination Area Plating Material Thickness	2.4 – 4 µm[94.488 – 157.48 µin]
Mating Pin Diameter	.63 mm[.024 in]
Contact Shape & Form	Square



PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
	30 µin
Contact Type	Socket
Contact Current Rating (Max)	3 A

Termination Features

Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Rectangular Termination Post & Tail Width	.69 mm[.027 in]
Termination Post & Tail Length	3.1 mm[.122 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention Type	Retention Solder Tails
PCB Mount Retention	With

Housing Features

Mating Entry Location	Top
Centerline (Pitch)	2.54 mm[.1 in]
Housing Color	Green
Housing Material	Polyester - GF

Dimensions

Connector Height	8.5 mm[.335 in]
PCB Thickness (Recommended)	1.6 mm

Usage Conditions

Operating Temperature Range	-65 – 125 °C, -55 – 105 °C
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Operation/Application

Solder Process Feature	Board Standoff
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	32
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 2021 (211) Candidate List Declared Against: JUN 2018 (191) SVHC > Threshold: Not Yet Reviewed
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Part # 2-826629-0
20P AMPMODU II PIN HDR

TE Part # 2-826646-0
20P AMPMODU II STIFT LEI

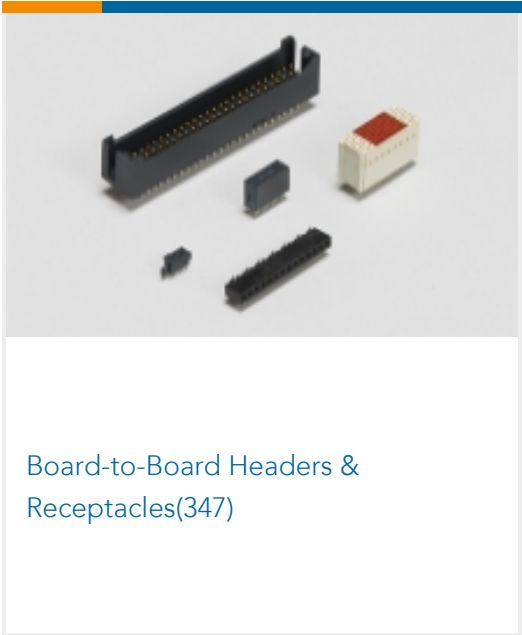
TE Part # 2-826648-0
20P AMPMODU II STIFT LEI

TE Part # 2-826651-0
20P AMPMODU II STIFT LEI



TE Part # 2-826654-0
20P AMPMODU II STIFT LEI

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



Board-to-Board Headers &
Receptacles(347)

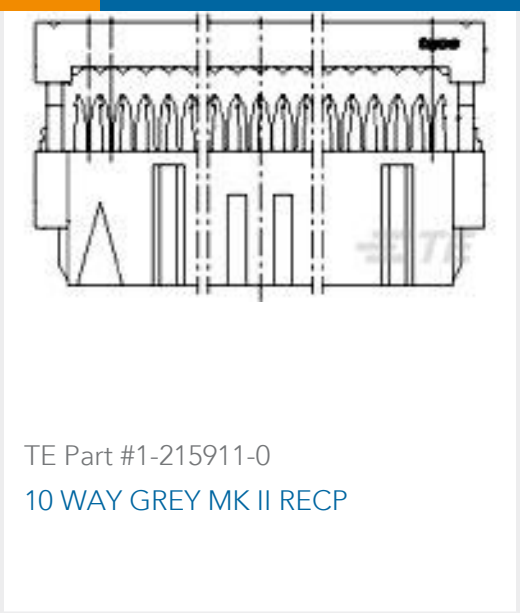
Customers Also Bought



TE Part #1-1623781-0
Wirewound Resistor: Vertical Mount



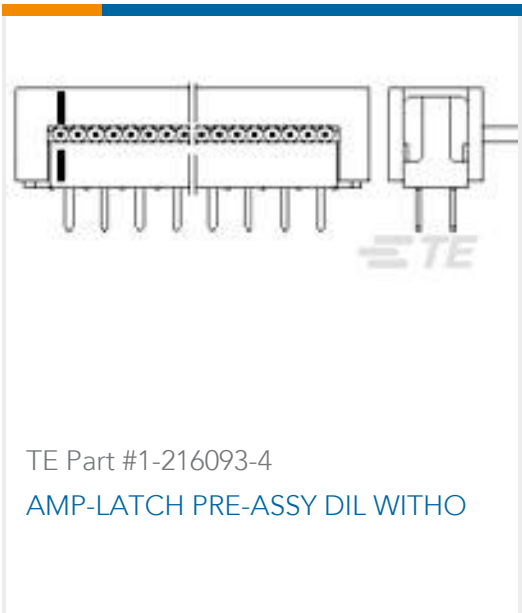
TE Part #826467-3
3P MOD II SHROUDED HEADER, ST



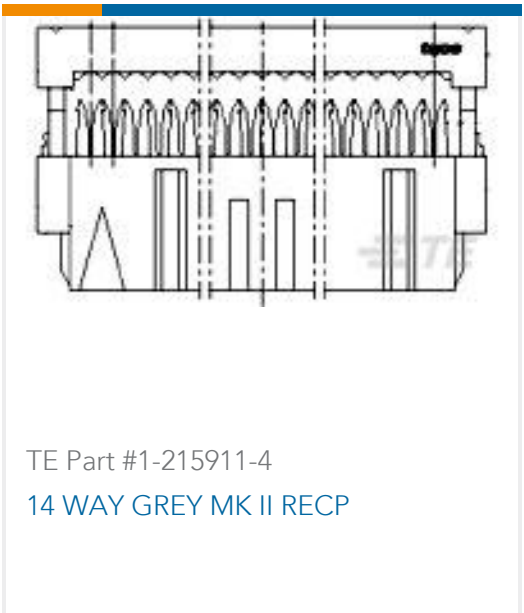
TE Part #1-215911-0
10 WAY GREY MK II RECP



TE Part #1-5111595-5
080 ASSY SYS 50 PADDLEBOARD



TE Part #1-216093-4
AMP-LATCH PRE-ASSY DIL WITHO



TE Part #1-215911-4
14 WAY GREY MK II RECP



TE Part #1-2176074-6
CPF 0201 8K25 0.5% 50PPM 1K RL



TE Part #1-1410271-6
MULTIGIG RT PWR .8" R/A HDR 4P
PBFR



TE Part #1-1879337-3
CPF 0603 3K32 1% 50PPM 1K RL



TE Part #1-2178713-6
PADDLE BOARD CONNECTOR
VALUE-LINE



Documents

Product Drawings

20P HV100 REC CON. TE, 8.5MM

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-215299-0_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-215299-0_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-215299-0_E.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