

5-104894-5 ✓ ACTIVE

AMPMODU | AMPMODU 50/50 Grid

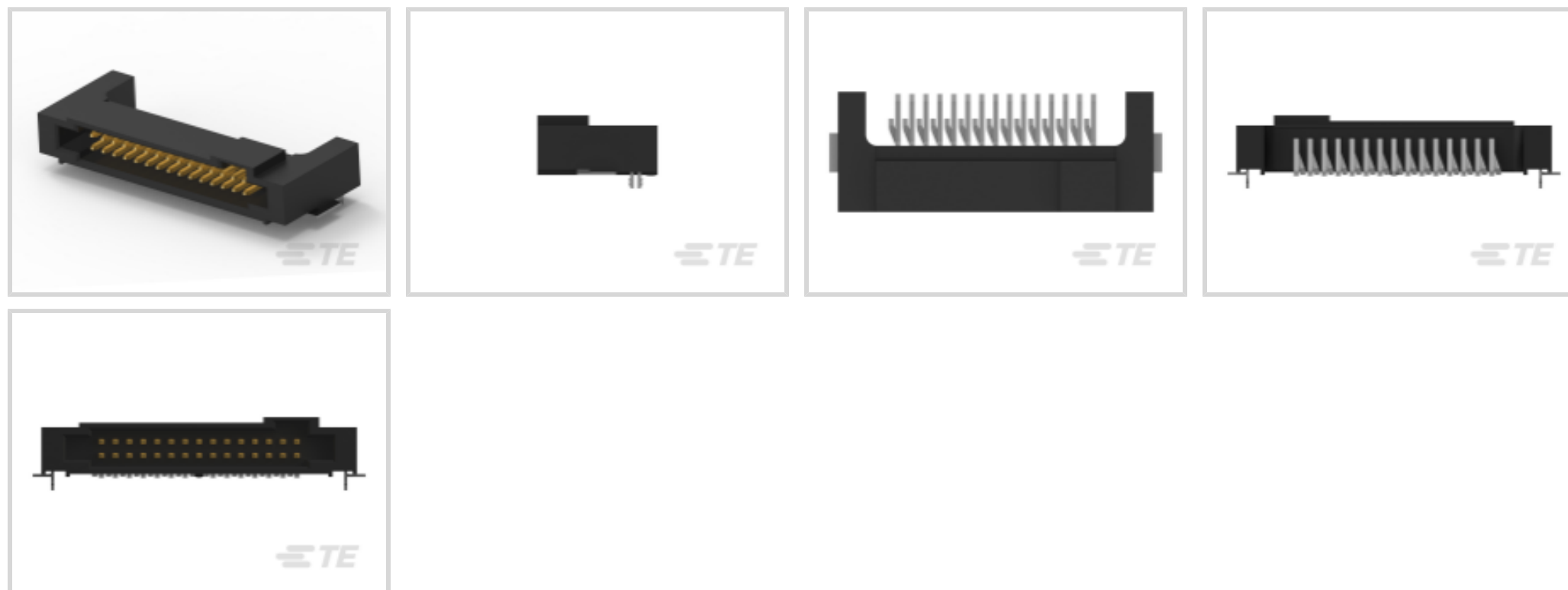
TE Internal #: 5-104894-5

PCB Mount Header, Right Angle, Board-to-Board, 50 Position, 1.27 mm [.05 in] Centerline, Fully Shrouded, Gold, Surface Mount, AMPMODU 50/50 Grid

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

## Features

### Contact Features

	150 $\mu$ m
Contact Underplating Material	Nickel
Mating Pin Diameter	.46 mm [.018 in]
Contact Shape & Form	Square
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	.5 A

### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

### Product Type Features

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

### Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	50
Number of Rows	2

### Electrical Characteristics

Operating Voltage	30 VAC
Dielectric Withstanding Voltage (Max)	300 VAC

### Body Features

PCB Retention Feature Material	Copper Alloy
PCB Retention Feature Plating Material	Tin over Nickel
Connector Profile	Standard
Primary Product Color	Black

### Termination Features

Termination Post & Tail Diameter	.46 mm[.018 in]
Termination Method to PCB	Surface Mount

### Mechanical Attachment

PCB Mount Retention Type	Hold-Down Post
Mating Alignment Type	Keyed
PCB Mount Retention	With
Mating Alignment	With

### Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	1.27 mm[.05 in]

### Dimensions

Row-to-Row Spacing	1.27 mm[.05 in]
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### Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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### Operation/Application

Solder Process Feature	Board Standoff
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### Industry Standards

Compatible With Approved Standards Products	UL E28476, CSA LR7189
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Quantity	12
Packaging Method	Tube, Box

### 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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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

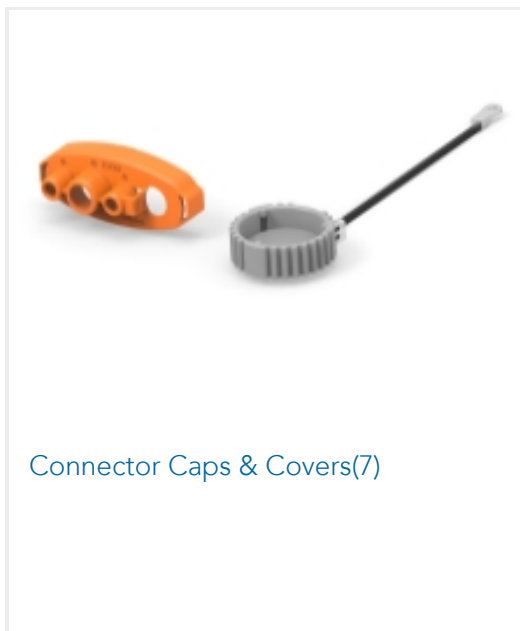


TE Part # 5-104652-5  
50 50/50 GRID DRST SFMNT RCPT

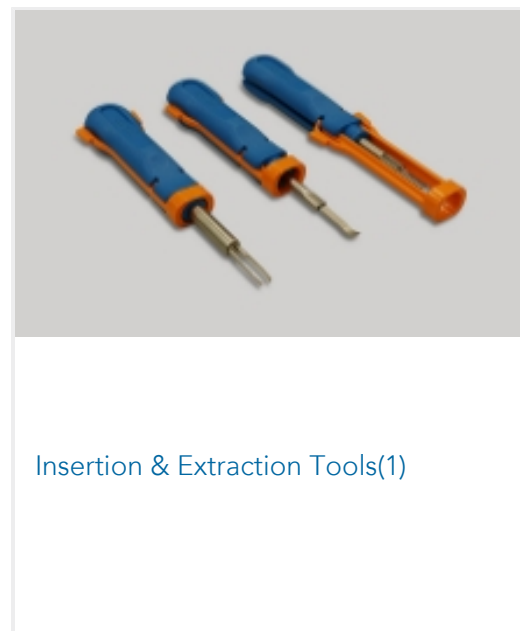


TE Part # 5-147384-5  
50 50/50 GRID SMT RCPT VC LF

### Also in the Series | AMPMODU 50/50 Grid



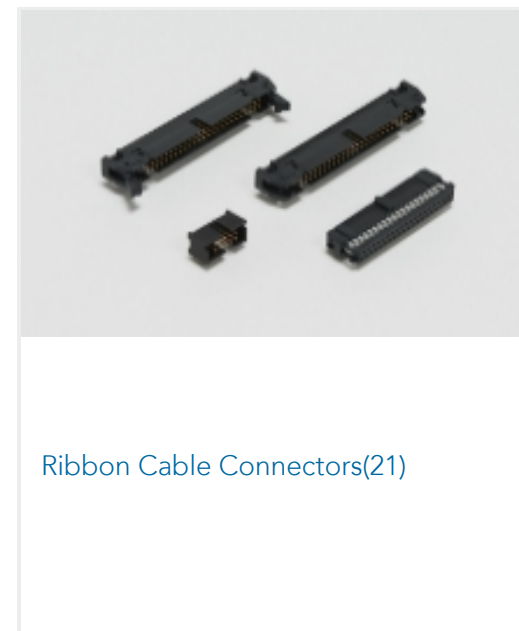
Connector Caps & Covers(7)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(193)



Ribbon Cable Connectors(21)

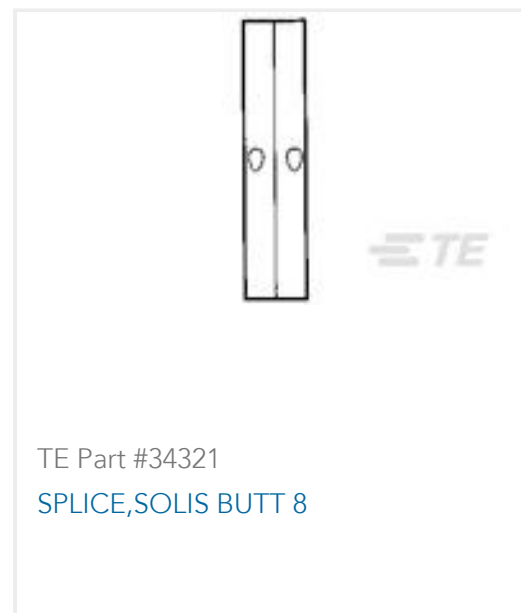
### Customers Also Bought



TE Part #7-338069-6  
MICRO-MATCH SMD FTE



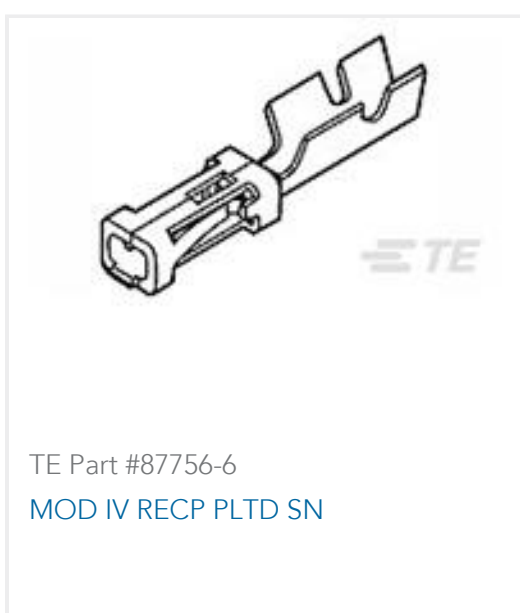
TE Part #2-5767004-2  
MICTOR RECEPT ASSY, 38 POS.



TE Part #34321  
SPLICE,SOLIS BUTT 8



TE Part #825433-2  
MOD 2 PINHDR 1X2 P.



TE Part #87756-6  
MOD IV RECP PLTD SN



TE Part #4-87456-0  
50 MODIV HSG DR MRKD .100CL



TE Part #4525DO-DS3AS005GPF  
PCB MOUNTED DIGITAL PRESSURE  
SENSOR



TE Part #104894-7  
70 50/50 GRID RA HDR



TE Part #1604797-1  
2 LUG TERMINAL BLOCK



## Documents

### Product Drawings

[50 50/50 GRID RA HDR LF](#)

English

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### CAD Files

Customer View Model

[ENG\\_CVM\\_5-104894-5\\_J.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_5-104894-5\\_J.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_5-104894-5\\_J.2d\\_dxf.zip](#)

English

[3D PDF](#)

English

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

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### Datasheets & Catalog Pages

[AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTION1AND2](#)

English

[Ribbon Cable Interconnect Solutions](#)

English

[Fine Pitch Stacking Connectors - 1.27mm AMPMODU 50/50 Grid Connectors](#)

English

[5-1773700-6\\_AMPMODU\\_50\\_50\\_QRG](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Agency Approvals

[UL Report](#)

English