

147384-3 ✓ ACTIVE

AMPMODU | AMPMODU 50/50 Grid

TE Internal #: 147384-3

PCB Mount Receptacle, Vertical, Board-to-Board, 30 Position, 1.27 mm [.05 in] Centerline, Gold, Surface Mount, Signal, Black, AMPMODU 50/50 Grid

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **30**

Number of Rows: **2**

## Features

### Electrical Characteristics

Operating Voltage	30 VAC
Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	300 VAC

### Dimensions

Row-to-Row Spacing	1.27 mm[.05 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	4.75 mm[.187 in]

### Packaging Features

Packaging Reel Diameter	32 mm[1.25 in]
Packaging Quantity	600
Packaging Method	Tape & Reel

### Industry Standards

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



### Body Features

Assembly Process Feature Material	Aluminum
PCB Retention Feature Material	Copper Alloy
PCB Retention Feature Plating Material	Tin-Lead over Nickel
Primary Product Color	Black

### Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

### Mechanical Attachment

Mating Alignment Type	Polarizing Tab
PCB Mount Retention Type	Hold-Down Post
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

### Termination Features

Rectangular Termination Post & Tail Width	.36 mm[.014 in]
Rectangular Termination Post & Tail Thickness	.08 mm[.003 in]
Termination Method to PCB	Surface Mount

### Contact Features

Mating Pin Diameter	.46 mm[.018 in]
Contact Mating Area Plating Material Thickness	.762 $\mu$ m[30 $\mu$ in]
	150 $\mu$ in
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material	Gold
Contact Type	Socket
Contact Current Rating (Max)	.5 A

### Housing Features

Housing Material	LCP - GF (Liquid Crystal Polymer)
Centerline (Pitch)	1.27 mm[.05 in]

### Configuration Features



Board-to-Board Configuration	Parallel
Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	30
Number of Rows	2

### Product Type Features

PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board

### Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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### Other

EU RoHS Compliance	Not Compliant
EU ELV Compliance	Compliant with Exemptions

### Product Compliance

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

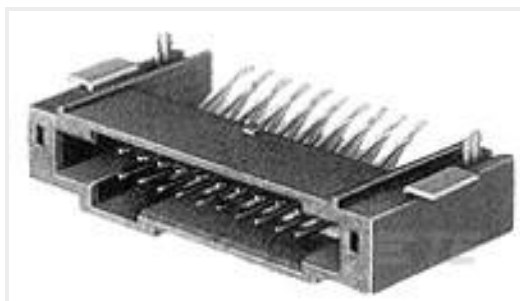
EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (13% in Component Part) <b>Article Safe Usage Statements:</b> Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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>

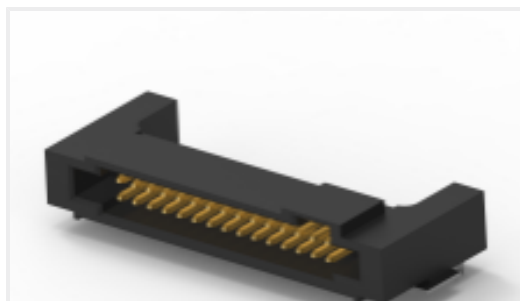
## Compatible Parts



TE Part # 1977276-2  
30 50/50 GRID RA HDR



TE Part # 104693-3  
30 50/50 HDR DRST SFMNT .390



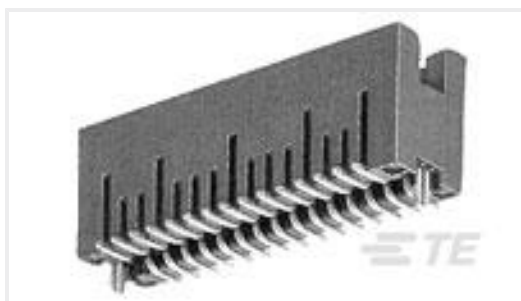
TE Part # 104894-3  
30 50/50 GRID RA HDR



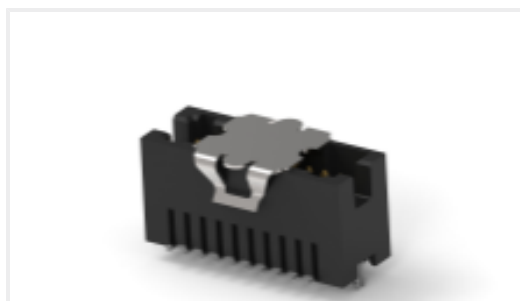
TE Part # 104891-3  
30 50/50 GRID CABLE RCPT COVER



TE Part # 104892-3  
30 50/50 GRID CBLE RECP W/LTCH



TE Part # 104656-3  
30 50/50 HDR DRST SFMNT .320

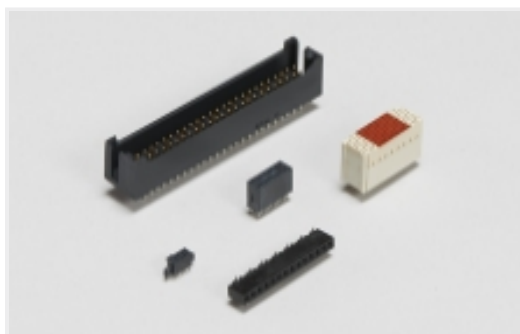


TE Part # 147382-4  
40 50/50 HDR SMT.320 W/HD VC



TE Part # 104655-4  
30 50/50 HDR DRST SFMNT .250

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



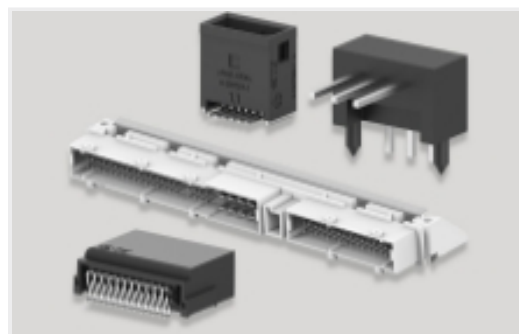
Board-to-Board Headers & Receptacles(193)



Connector Caps & Covers(7)



Insertion & Extraction Tools(1)

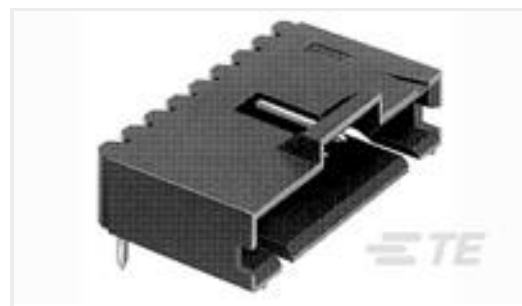


PCB Headers & Receptacles(193)



Ribbon Cable Connectors(21)

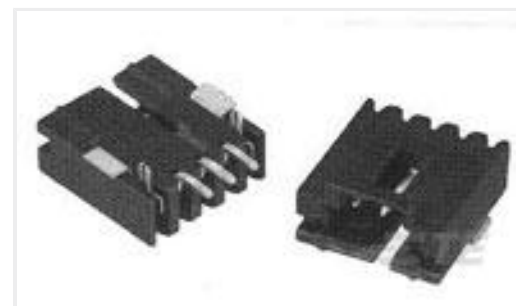
## Customers Also Bought



TE Part #1-103634-3  
14 MTE HDR SRRA LATCH .100CL



TE Part #3-1879355-9  
RR03 5% 160K AMMO



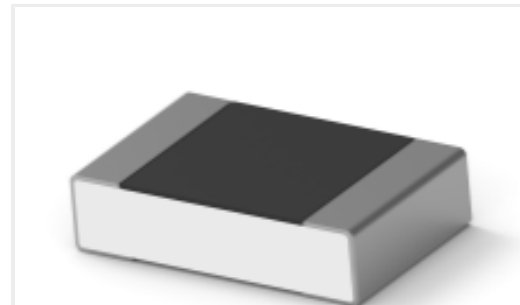
TE Part #6-147323-1  
12 MTE HDR SRRA SMT.100CL



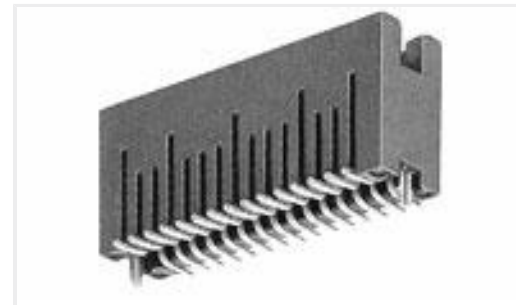
TE Part #2-1879497-2  
CRGH1206 5% 7R5 0.5W



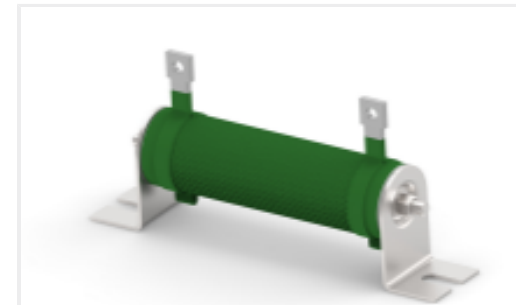
TE Part #3-794626-6  
06P MICRO MNL ASSY,R/A,SMT,LF



TE Part #7-2176381-5  
RQ 0805 73K2 0.1% 10PPM 5K RL



TE Part #5-147383-3  
30 50/50 HDR SMT.390 W/HD VC



TE Part #CAT-C339-T2201  
Wirewound Resistor: Mineral, 2.5 Kw



TE Part #5-1624108-1  
3640 0402 2.9nH +/-0.2nH 1K RL

## Documents

### Product Drawings

[30 50/50 GRID DR SMT RCPT VC](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_147384-3\\_D.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_147384-3\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_147384-3\\_D.3d\\_stp.zip](#)

English

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### Product Specifications



### Application Specification

English

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### Agency Approvals

#### UL Report

English