

6-104652-0 ✓ ACTIVE

AMPMODU | AMPMODU 50/50 Grid

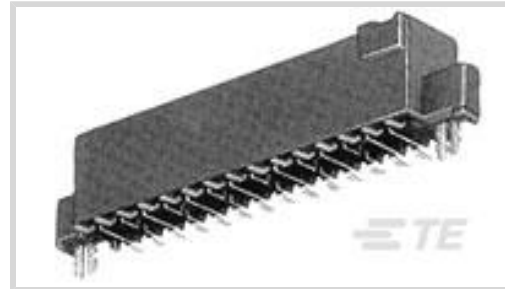
TE Internal #: 6-104652-0

PCB Mount Receptacle, Vertical, Board-to-Board, 100 Position, 1.27 mm [.05 in] Centerline, Gold (Au), Surface Mount, Signal, Black, AMPMODU 50/50 Grid

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **100**

Number of Rows: **2**

Centerline (Pitch): **1.27 mm [.05 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	100
Number of Rows	2
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel

Electrical Characteristics

Operating Voltage	30 VAC
Insulation Resistance	5000 MΩ

Body Features

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

Contact Features

	150 μin
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Mating Pin Diameter	.46 mm[.018 in]
Contact Base Material	Copper Alloy
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)	.5 A

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

Mechanical Attachment

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

Housing Features

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

Dimensions

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

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards



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

Packaging Features

Packaging Quantity	8
Packaging Method	Box, Tube

Product Compliance

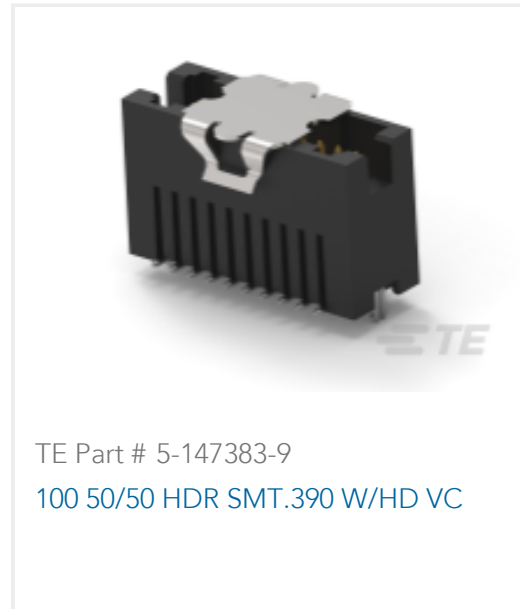
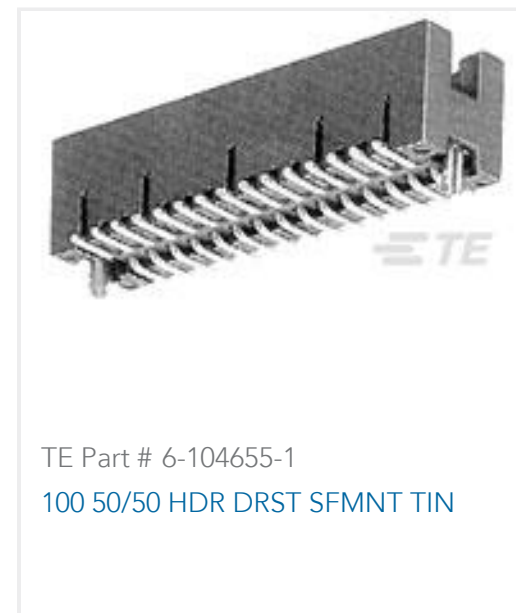
[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

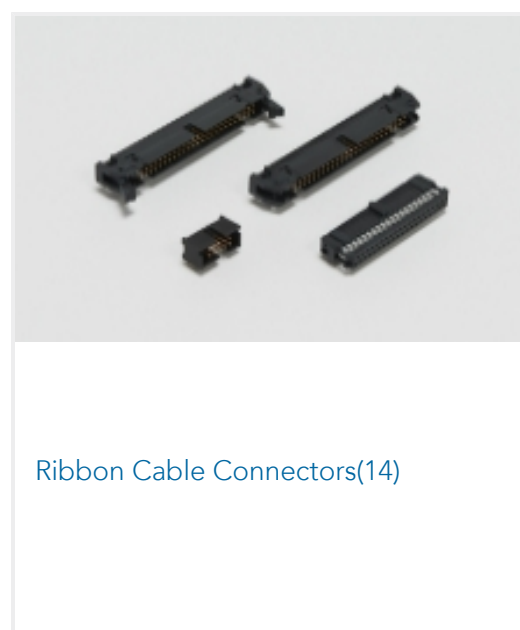
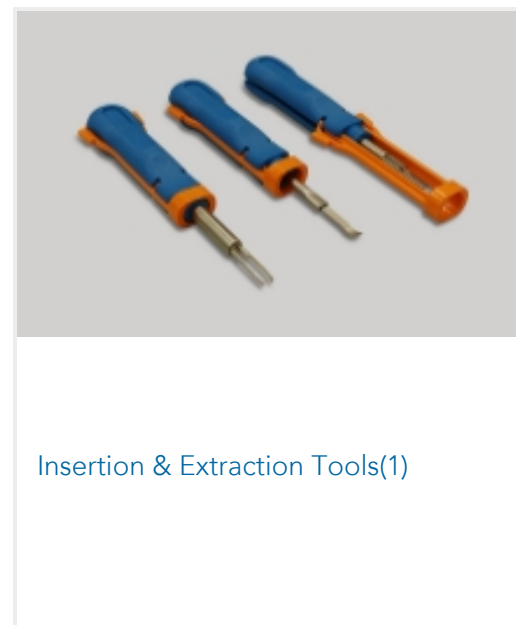
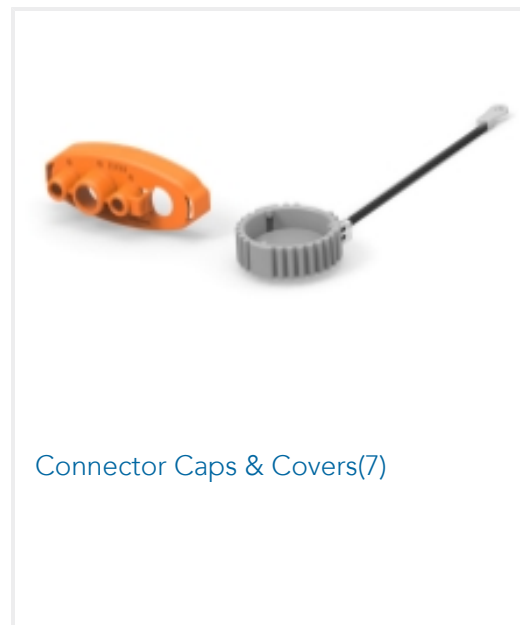
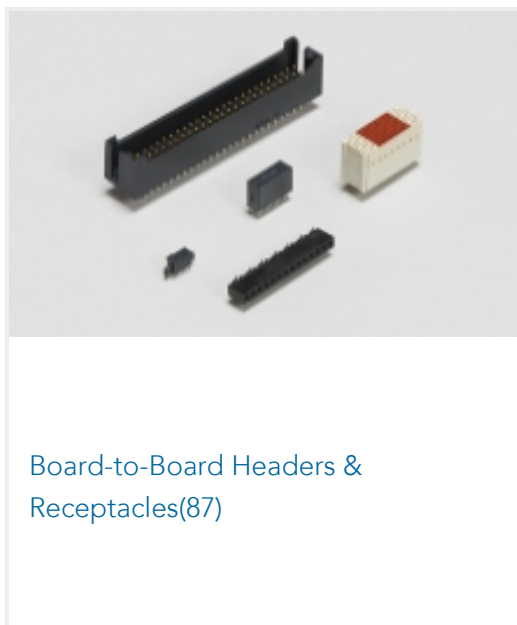
Product Compliance Disclaimer

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



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



Customers Also Bought





TE Part #4-644759-0
10P MTA156 HDR ASSY STR LF



TE Part #CAT-AM78-H342
AMPSEAL PCB Vertical Headers



TE Part #1571999-7
ADP04S04=PIANO DIP SWITCH



TE Part #1-1879354-5
RR03 5% 1R2 AMMO



TE Part #4-2176328-8
CRGP 1206 82K 1%

Documents

Product Drawings

[100 50/50 GRID DRST SFMNT RCPT](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_6-104652-0_L.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-104652-0_L.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-104652-0_L.3d_stp.zip](#)

English

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

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



Product Specifications

Application Specification

English

Agency Approvals

UL Report

English