

5-104893-2 ✓ ACTIVE

AMPMODU | AMPMODU 50/50 Grid

TE Internal #: 5-104893-2

Ribbon Cable Connectors, Cable-to-Board, 20 Position, 1.27 mm [.05 in] Centerline, 2 Row, Receptacle, Standard Profile, AMPMODU 50/50 Grid

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Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



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

Number of Positions: **20**

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

Row-to-Row Spacing: **1.27 mm [.05 in]**

Number of Rows: **2**

## Features

### Product Type Features

Connector Product Type	Connector Assembly
Connector System	Cable-to-Board
Connector & Housing Type	Receptacle
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Positions	20
Number of Rows	2

### Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	30 VAC

### Body Features

Primary Product Color	Black
Connector Profile	Standard



### Contact Features

Contact Layout	Matrix
Mating Pin Diameter	.46 mm[.018 in]
Contact Type	Receptacle
Wire Contact Termination Area Plating Thickness	1.27 $\mu$ m[50 $\mu$ in]
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.762 $\mu$ m[30 $\mu$ in]
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	.5 A

### Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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### Mechanical Attachment

Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

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

### Dimensions

Connector Length	21.08 mm[.83 in]
Connector Height	15.94 mm[.628 in]
Connector Width	7.21 mm[.284 in]
Wire Size	.08 – .09 mm <sup>2</sup>
Row-to-Row Spacing	1.27 mm[.05 in]

### Usage Conditions

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

Circuit Application	Signal
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### Industry Standards



UL Rating	Recognized
Agency/Standard	CSA, UL
Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Quantity	24
Packaging Method	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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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	Not applicable for solder process capability

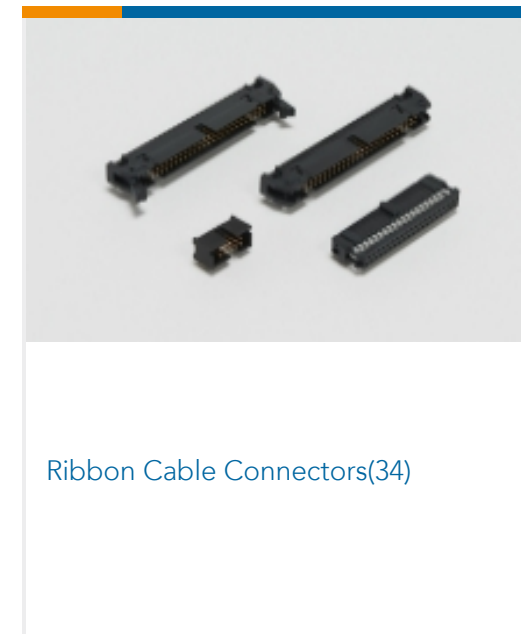
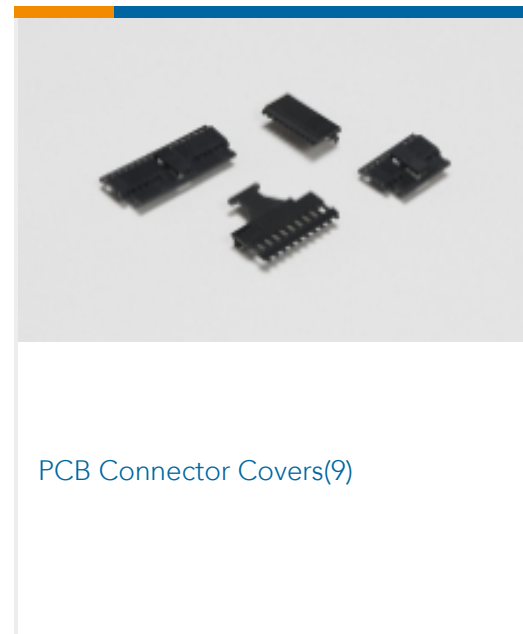
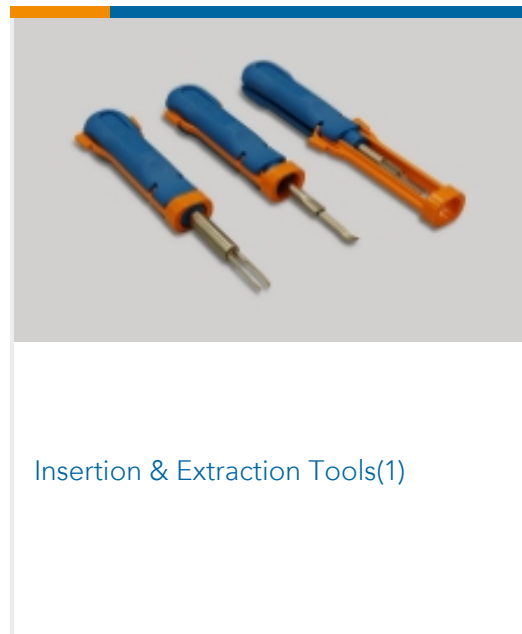
#### Product Compliance Disclaimer

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





## Documents

### Product Drawings

[20 50/50 GRID CABLE RECPT LF](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_5-104893-2\\_H.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-104893-2\\_H.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-104893-2\\_H.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

[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