

5-104892-2 ✓ ACTIVE

AMPMODU | AMPMODU 50/50 Grid

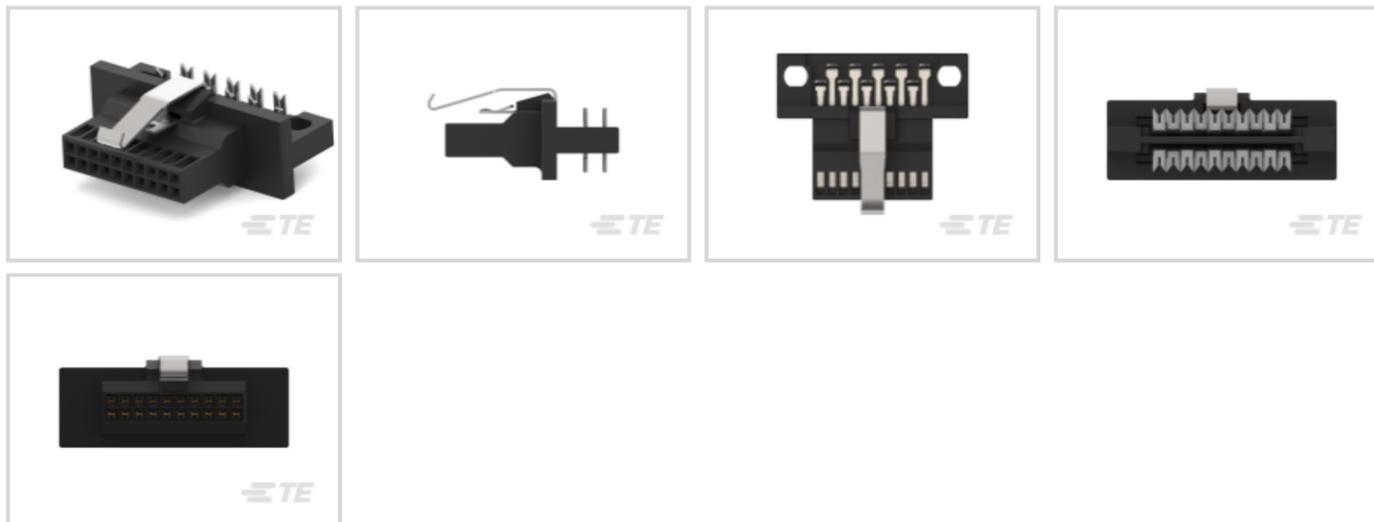
TE Internal #: 5-104892-2

Ribbon Cable Connectors, Cable-to-Board, 20 Position, 1.27 mm [.05 in] Centerline, Insulation Displacement (IDC), 2 Row, 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]**

Termination Method to Wire & Cable: **Insulation Displacement (IDC)**

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

Features

Product Type Features

Connector Type	Connector Assembly
Connector Product Type	Connector Assembly
Connector System	Cable-to-Board
Connector & Housing Type	Receptacle
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Compatible With Wire & Cable Type	Ribbon Cable
Number of Positions	20
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 M Ω
Operating Voltage	30 VAC

Body Features



Mating Retention Feature Material	Stainless Steel
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Connector Profile	Standard
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Contact Features

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

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

Mating Alignment	With
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Mating Alignment Type	Polarization
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Mating Retention	With
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Mating Retention Type	Latch
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

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

Connector Length	21.03 mm[.828 in]
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Connector Height	17.56 mm[.691 in]
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Connector Width	8.31 mm[.327 in]
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Wire Size	.08 – .09 mm ²
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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

Circuit Application	Signal
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Industry Standards

CSA File Number	LR 7189
UL Rating	Recognized
UL File Number	E28476
Agency/Standard	CSA, UL
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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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

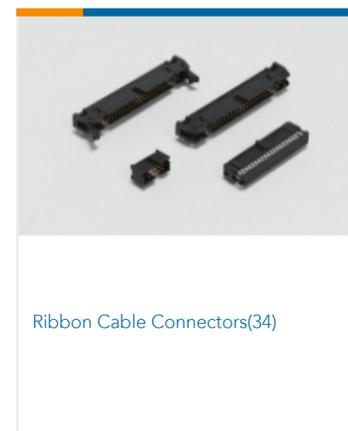
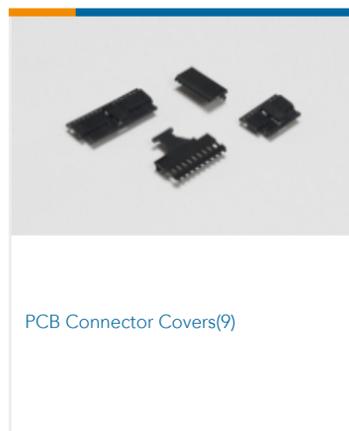
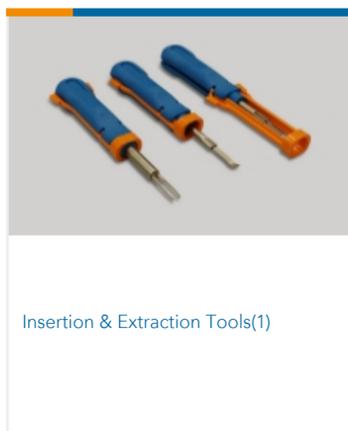
Product Compliance Disclaimer

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



Documents

Product Drawings

20 50/50 GRID RCPT W/LTCH LF

English

CAD Files

Customer View Model

[ENG_CVM_CVM_5-104892-2_F.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5-104892-2_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-104892-2_F.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