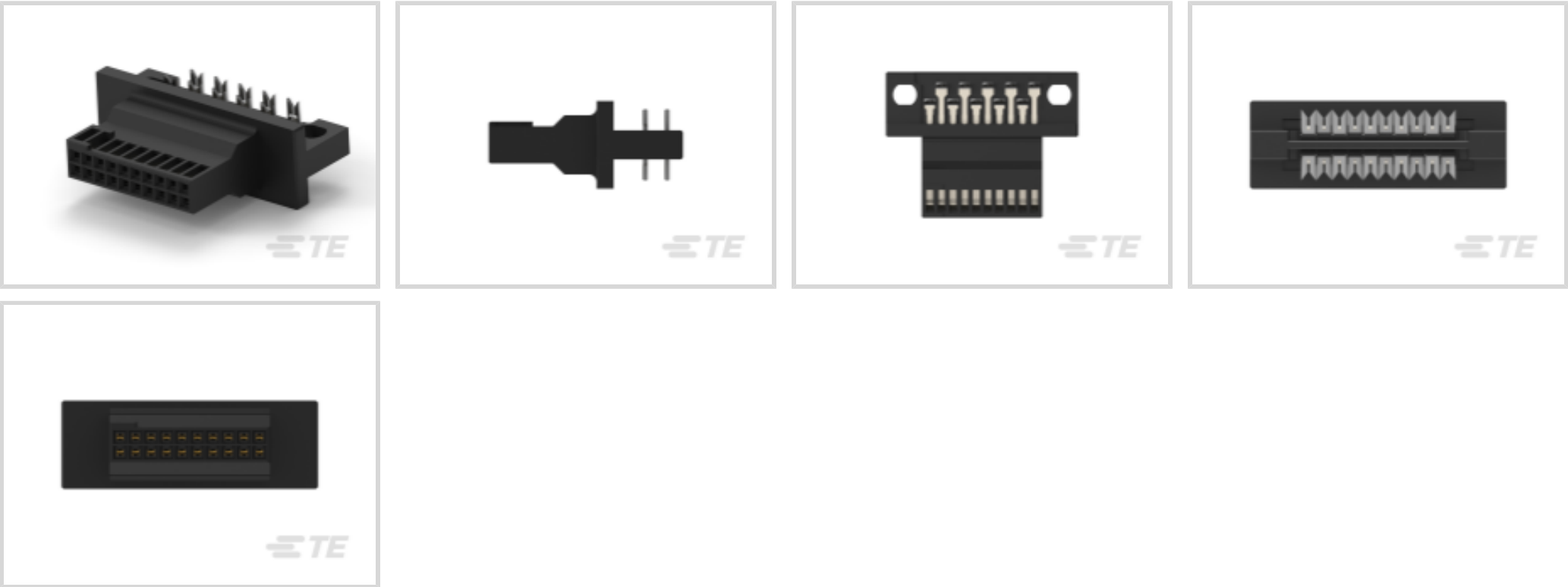




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



Connector System: **Cable-to-Board**
Number of Positions: **50**
Centerline (Pitch): **1.27 mm [.05 in]**
Row-to-Row Spacing: **1.27 mm [.05 in]**
Number of Rows: **2**

Features

Electrical Characteristics

Operating Voltage	30 VAC
Insulation Resistance	5000 MΩ

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Industry Standards

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

Packaging Features

Packaging Quantity	12
Packaging Method	Tube

Contact Features

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

Mechanical Attachment

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

Body Features

Primary Product Color	Black
Connector Profile	Standard

Dimensions

Connector Width	7.21 mm[.284 in]
Wire Size	28 AWG
Connector Height	15.94 mm[.628 in]
Connector Length	40.08 mm[1.578 in]
Row-to-Row Spacing	1.27 mm[.05 in]

Housing Features

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

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	50
Number of Rows	2

Usage Conditions

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

Circuit Application	Signal
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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) Article Safe Usage Statements: 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	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

TE Part # 843477-1
TOOL, EXTRACTION RESET

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 #CAT-D485-B128
Backshells, DEUTSCH DTM

TE Part #1609112-1
10CBE1=F7890 M0

TE Part #CAT-M5833-C1121
MICRO-MATCH STD MOW TO MOW
CABLE ASSY

TE Part #794954-2
2P RCPT VAL-U-LOK V2



Documents

Product Drawings

50 50/50 GRID CABLE RECPT

English

CAD Files

Customer View Model

ENG_CVM_CVM_104893-5_H.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_104893-5_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_104893-5_H.3d_stp.zip

English

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

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English