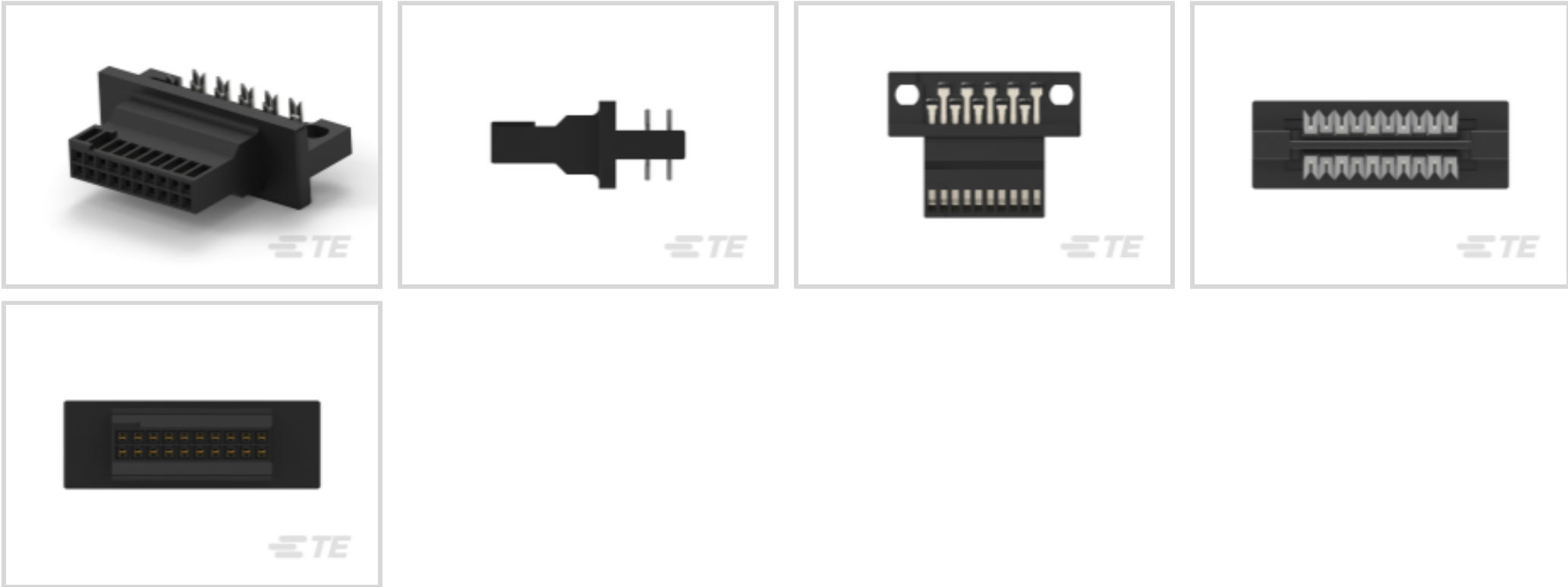




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



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

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

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 μm[50 μin]
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.762 μm[30 μin]
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	40.08 mm[1.578 in]
Connector Height	15.94 mm[.628 in]
Connector Width	7.21 mm[.284 in]
Wire Size	.08 – .09 mm ²
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
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	12
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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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



TE Part # 843477-1
TOOL, EXTRACTION RESET

TE Part # 5-1571424-6
50 50/50 HDR DRST TH TIN

TE Part # 5-2267258-5
50 50/50 HDR TH/PiP.250 W/HD SN

TE Part # 5-2267259-5
50 50/50 HDR TH/PiP.320 W/HD SN

TE Part # 5-2267260-5
50 50/50 HDR TH/PiP.390 W/HD VC

TE Part # 5-2267255-5
50 50/50 HDR DRST TH.320 SN

TE Part # 5-2267256-5
50 50/50 HDR DRST TH.390 SN

Also in the Series | AMPMODU 50/50 Grid

Connector Caps & Covers(9)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(299)

Ribbon Cable Connectors(34)

Customers Also Bought

TE Part #5787169-9
100 50SR R/A RCP ASSY,RDSN L/F

TE Part #749070-9
100 50SR VERT RCPT ASSY

TE Part #322242
TERMINAL,SOLIS R 12-10 3/8

TE Part #5-1437567-8
MPG406R=(MSPG) SW PUSHBUTTON

TE Part #2-2176349-6
CRGCO 2512 1K2 1%

TE Part #2-2176349-9
CRGCO 2512 2K2 1%

TE Part #3-2176328-2
CRGP 1206 3K9 1%

TE Part #1-1394155-4
40pos MQS .63 header 90deg



Documents

Product Drawings

50 50/50 GRID CABLE RECPT LF

English

CAD Files

Customer View Model

ENG_CVM_CVM_5-104893-5_H.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-104893-5_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-104893-5_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

Ribbon Cable Interconnect Solutions

English

Fine Pitch Stacking Connectors - 1.27mm AMPMODU 50/50 Grid Connectors

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English