

104893-5 ✓ ACTIVE

AMPMODU | AMPMODU 50/50 Grid

TE Internal #: 104893-5

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

[View on TE.com >](#)



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]
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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	Without
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

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

Connector Length	40.08 mm[1.578 in]
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Connector Height	15.94 mm[.628 in]
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Connector Width	7.21 mm[.284 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

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

Packaging Quantity	12
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Packaging Method

Tube

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 2023 (235)
 Candidate List Declared Against: JAN 2023 (233)
 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

TE Part # 1571424-6
50 50/50 HDR DRST TH .250

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

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



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

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

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

Also in the Series | AMPMODU 50/50 Grid

Insertion & Extraction Tools(1)

PCB Connector Covers(9)

PCB Headers & Receptacles(302)

Ribbon Cable Connectors(34)

Customers Also Bought

TE Part #206070-8
CABLE CLAMP KIT #17

TE Part #DT04-2P
REC, 2P, GRY, N

TE Part #DT06-2S
PLG, 2P, GRY, N

TE Part #W2S
Wedgelocks: DEUTSCH DT

TE Part #0460-202-16141
DEUTSCH Solid Contacts

TE Part #282104-1
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING

TE Part #281934-2
SINGLE WIRE SEAL

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

Product Environmental Compliance

[TE Material Declaration](#)

English

Agency Approvals

[UL Report](#)

English