

1-104893-0 ✓ ACTIVE

AMPMODU | AMPMODU 50/50 Grid

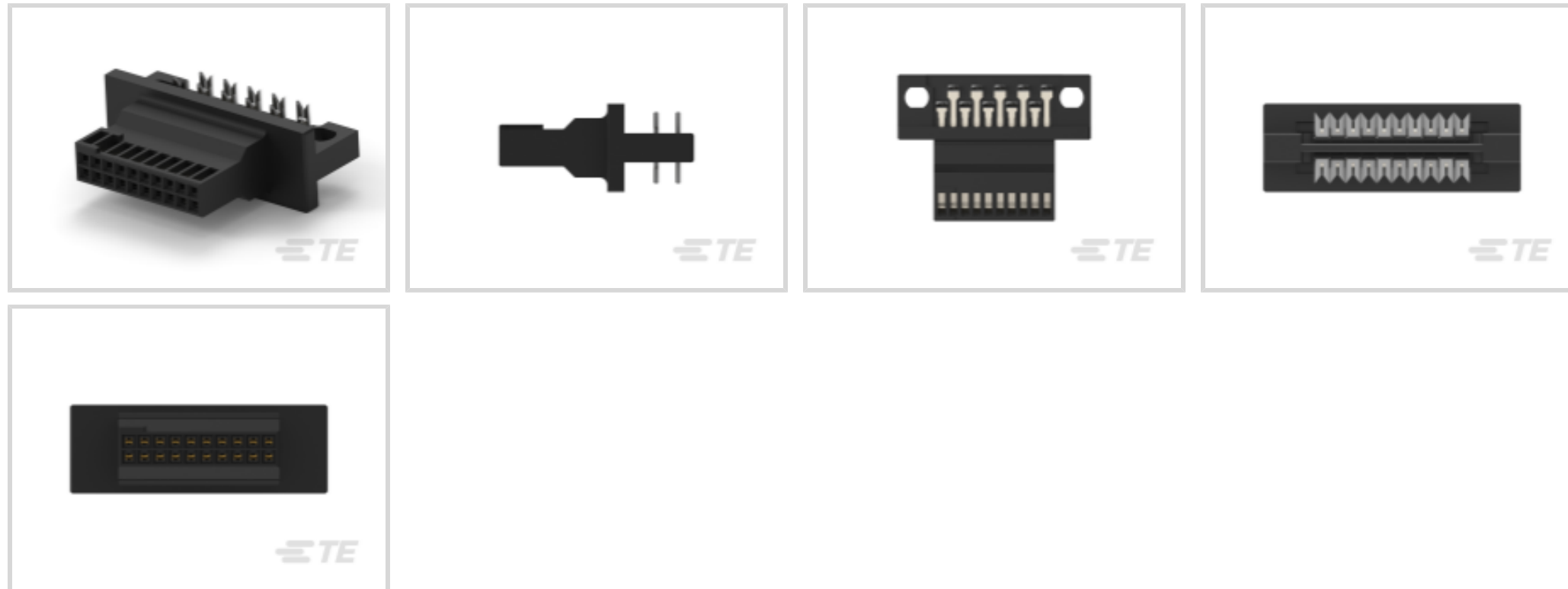
TE Internal #: 1-104893-0

Ribbon Cable Connectors, Cable-to-Board, 100 Position, 1.27 mm [.05 in] Centerline, Insulation Displacement (IDC), 2 Row, 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: **100**

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	100
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 M Ω
Operating Voltage	30 VAC

Body Features



Connector Profile	Standard
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Contact Features

Contact Layout	Matrix
Mating Pin Diameter	.46 mm[.018 in]
Contact Type	Receptacle
Wire Contact Termination Area Plating Thickness	1.27 μ m[50 μ in]
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.762 μ m[30 μ 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)
Housing Color	Black
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Connector Length	71.83 mm[2.828 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

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

7

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 2022 (224)

Candidate List Declared Against: JUNE 2022 (224)

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 # 1-1571424-1
100 50/50 HDR DRST TH .250



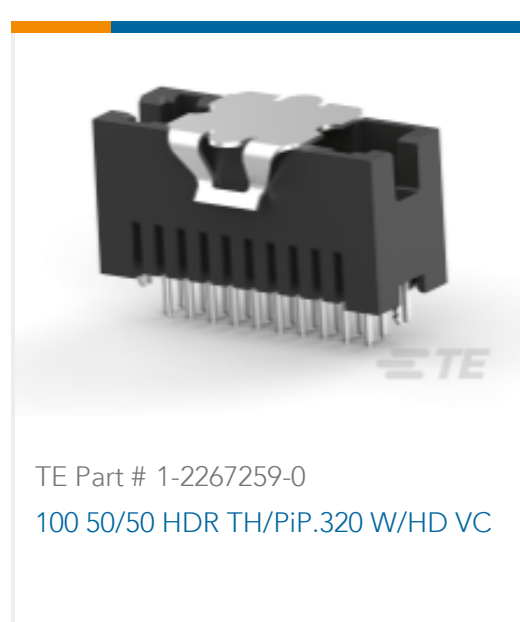
TE Part # 1-2267255-0
100 50/50 HDR DRST TH .320



TE Part # 1-2267256-0
100 50/50 HDR DRST TH .390



TE Part # 1-2267258-0
100 50/50 HDR TH/PIP.250 W/HD VC



TE Part # 1-2267259-0
100 50/50 HDR TH/PIP.320 W/HD VC

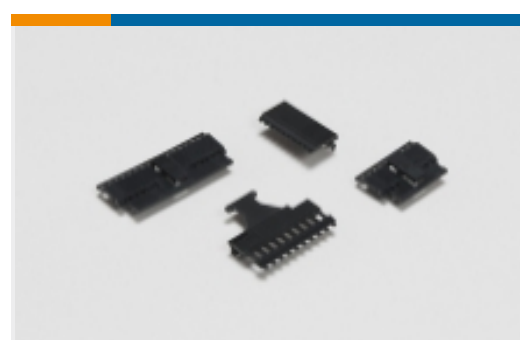


TE Part # 1-2267260-0
100 50/50 HDR TH/PIP.390 W/HD VC

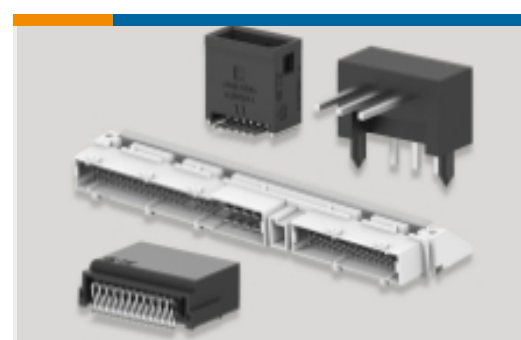
Also in the Series | AMPMODU 50/50 Grid



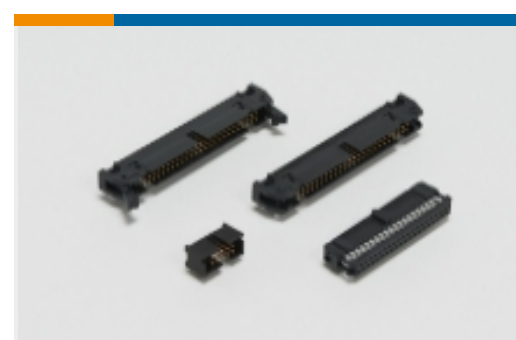
Insertion & Extraction Tools(1)



PCB Connector Covers(9)



PCB Headers & Receptacles(302)



Ribbon Cable Connectors(34)

Documents

Product Drawings

[100 50/50 GRID CABLE RECPT](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1-104893-0_H.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-104893-0_H.3d_igs.zip](#)

English



Customer View Model

[ENG_CVM_CVM_1-104893-0_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