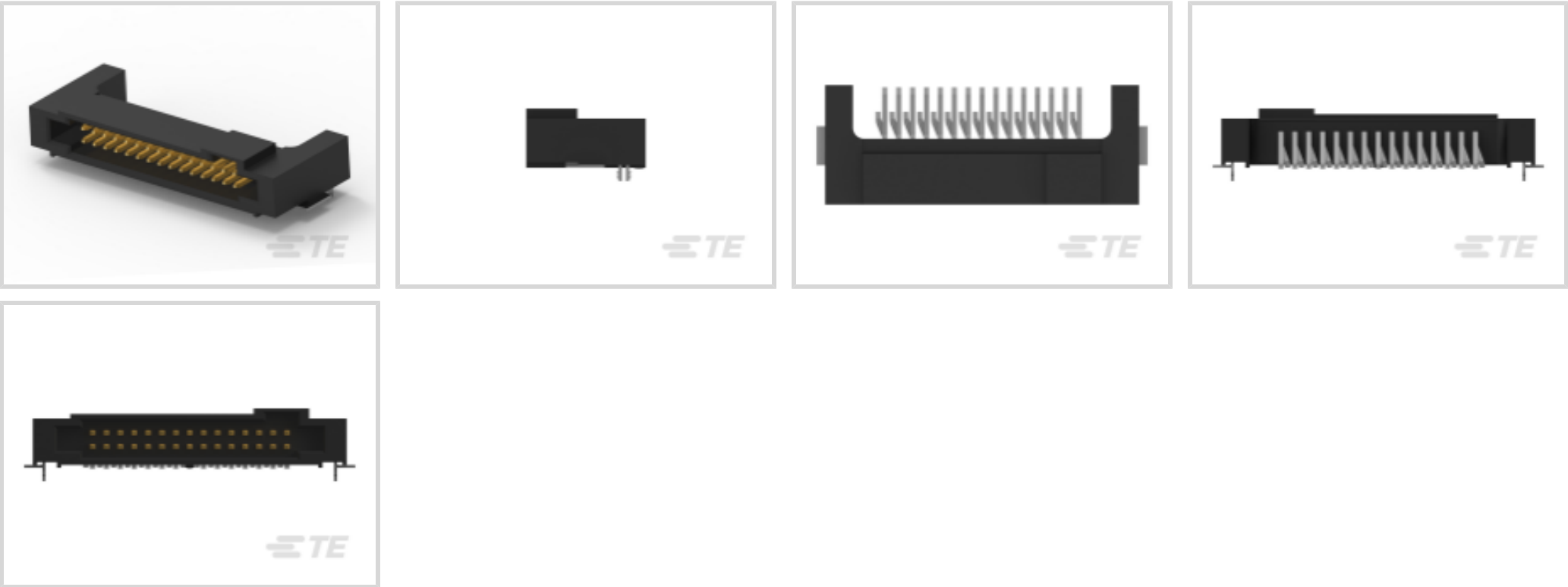




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Board-to-Board**
Number of Positions: **70**
Number of Rows: **2**

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Connector Contact Load Condition	Fully Loaded
Board-to-Board Configuration	Parallel
PCB Mount Orientation	Vertical
Number of Positions	70
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
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Body Features

PCB Retention Feature Material	Copper Alloy
PCB Retention Feature Plating Material	Tin over Nickel
Connector Profile	Standard
Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	.46 mm[.018 in]
PCB Contact Termination Area Plating Material Thickness	1.27 μm[50 μin]
Contact Shape & Form	Round
Contact Layout	Staggered
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	.5 A

Termination Features

Termination Post & Tail Diameter	.46 mm[.018 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Alignment Type	Polarization
PCB Mount Retention Type	Metallic Hold-Down
PCB Mount Retention	With
Mating Alignment	With

Housing Features

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

Dimensions

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



Solder Process Feature	Board Standoff
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	9
Packaging Method	Tube

Other

Position Locations Omitted	0
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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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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	Reflow solder capable to 260°C

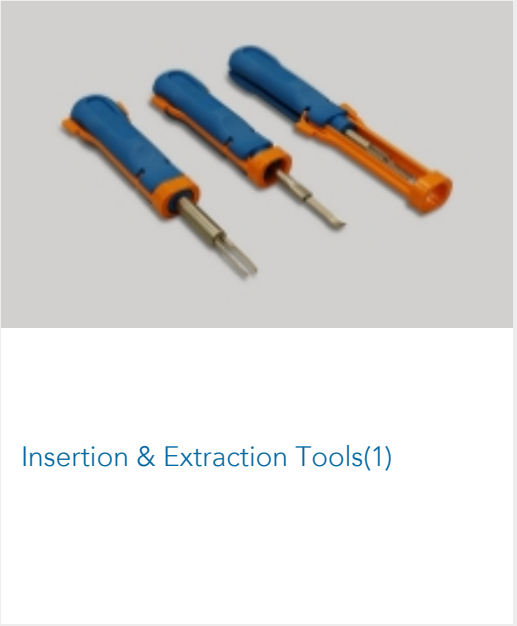
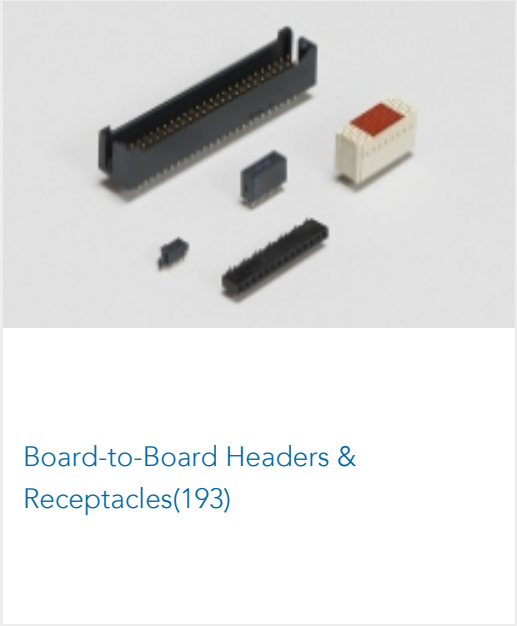
Product Compliance Disclaimer

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>

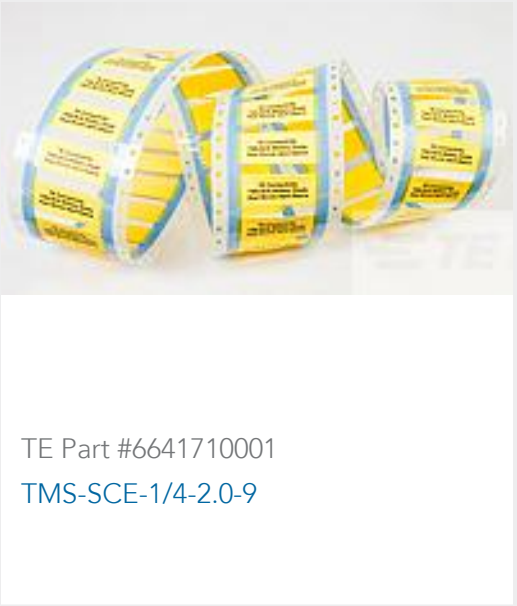
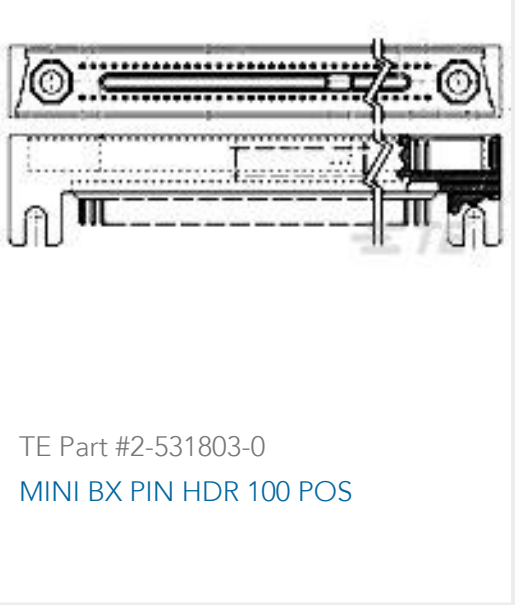
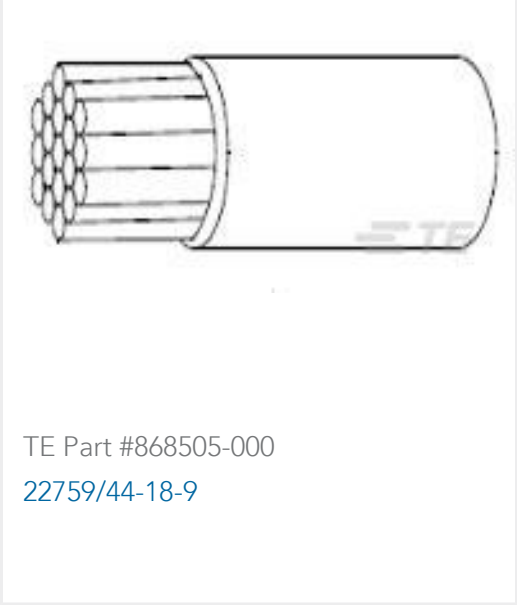
Compatible Parts

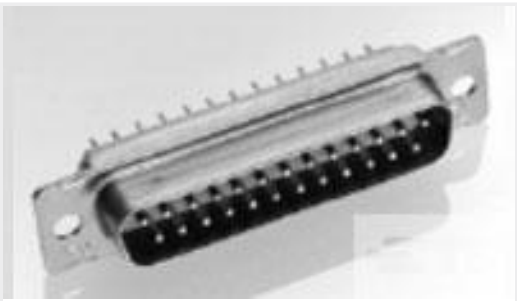


Also in the Series | AMPMODU 50/50 Grid



Customers Also Bought





TE Part #1218124-3
25 POS,ASSY,PLUG,LOW PROF,109



TE Part #103414-2
04 MODII HDR SRST SHRD .100CL

Documents

Product Drawings

70 50/50 GRID RA HDR LF

English

CAD Files

Customer View Model

ENG_CVM_5-104894-7_J.3d_igs.zip

English

Customer View Model

ENG_CVM_5-104894-7_J.3d_stp.zip

English

Customer View Model

ENG_CVM_5-104894-7_J.2d_dxf.zip

English

3D PDF

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

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5-1773700-6_AMPMODU_50_50_QRG

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English

5-104894-7

PCB Mount Header, Vertical, Board-to-Board, 70 Position, 1.27 mm [.05 in] Centerline,
Fully Shrouded, Gold (Au), Surface Mount, AMPMODU 50/50 Grid

