

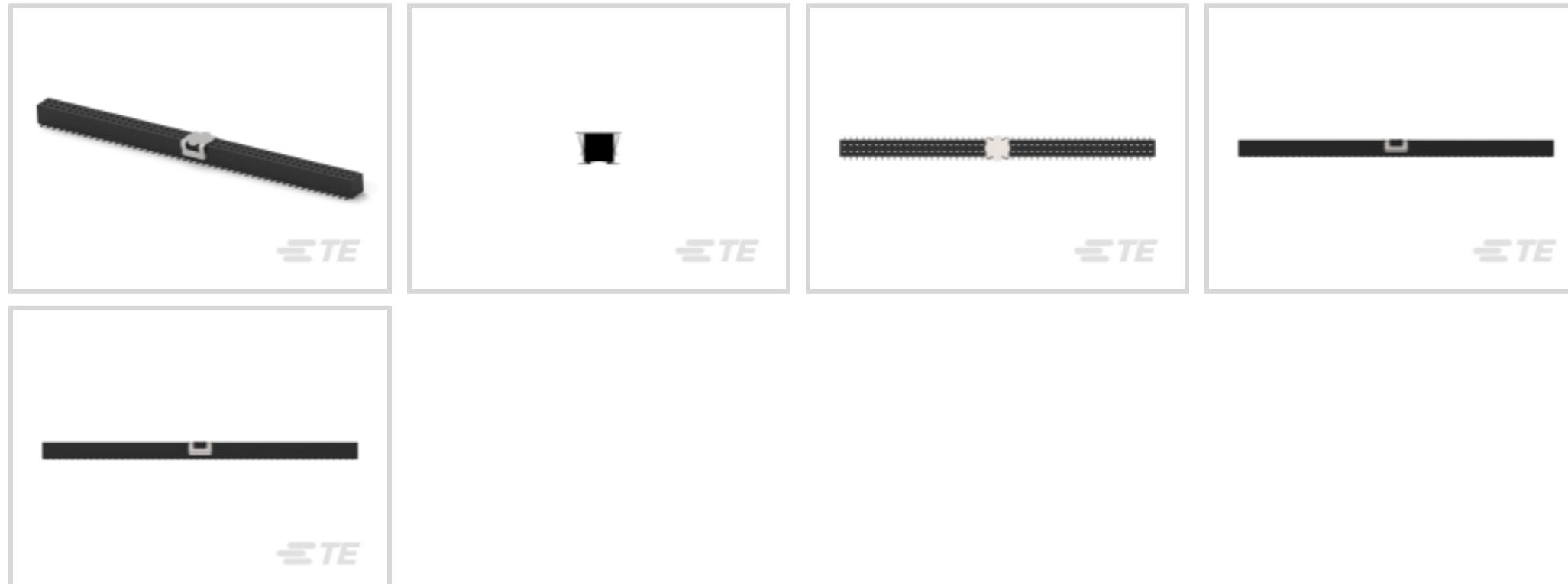
AMPMODU | AMPMODU Small Centerline

TE Internal #: 2-2267440-5

PCB Mount Receptacle, Vertical, Board-to-Board, 50 Position, 1 mm [.039 in] Centerline, Gold (Au), Surface Mount, Signal, AMPMODU Small Centerline

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: PCB Mount Receptacle

Connector System: Board-to-Board

Number of Positions: 50

Number of Rows: 2

Centerline (Pitch): 1 mm [.039 in]

Features**Product Type Features**

Applied Pressure	Low
PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Loaded Positions	50
Number of Signal Positions	50
Stackable	No
Number of Positions	50
Number of Rows	2
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel

Electrical Characteristics

Operating Voltage	30 VDC
Termination Resistance	16 mΩ
Dielectric Withstanding Voltage (Max)	1000 VAC

Body Features

Assembly Process Feature Material	Stainless Steel
Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Mating Square Post Dimension	.3 mm[.011 in]
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Bright
PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material Thickness	3.81 µm[150 µin]
Contact Shape & Form	Rectangular, SMT Lead
Contact Layout	Inline
Contact Protection Type	Closed Entry Housing
Contact Mating Area Length	2 mm
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	1 A

Termination Features

Rectangular Termination Post & Tail Width	.24 mm[.009 in]
Rectangular Termination Post & Tail Thickness	.1 mm[.003 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mating Retention	Without
Connector Mounting Type	Board Mount

Housing Features

Mating Entry Location	Bottom & Top
Centerline (Pitch)	1 mm [.039 in]
Housing Material	LCP

Dimensions

Connector Height	3.12 mm
Connector Length	25.6 mm
Row-to-Row Spacing	1 mm
PCB Thickness (Recommended)	.8 – 1.6 mm [.031 – .063 in]

Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-55 – 125 °C [-67 – 257 °F]

Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tube
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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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed 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

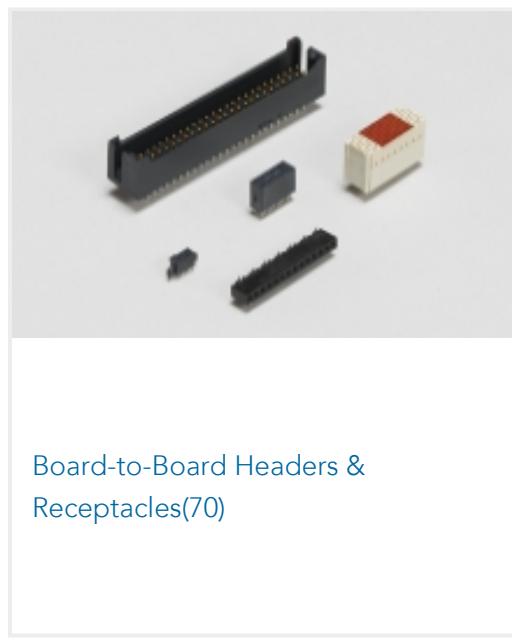


TE Part # 2-2331929-5
SCL 1.0 HDR DRVT USP 050 SMT G3
TBK



TE Part # 7-2331929-5
SCL 1.0 HDR DRVT USP 050 SMT G3
TR

Also in the Series | AMPMODU Small Centerline

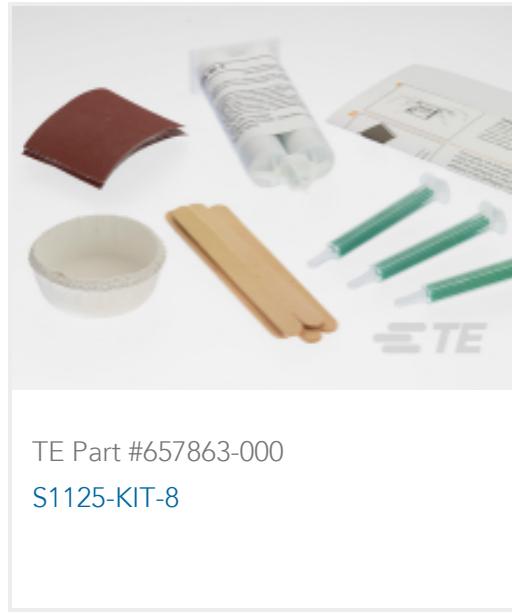


Board-to-Board Headers &
Receptacles(70)



PCB Headers & Receptacles(70)

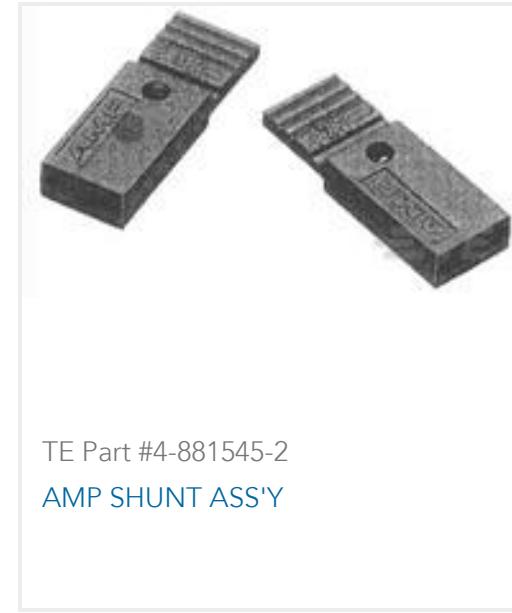
Customers Also Bought



TE Part #657863-000
S1125-KIT-8



TE Part #CAT-T3437-T548
TMS-SCE Military Grade Sleeves



TE Part #4-881545-2
AMP SHUNT ASS'Y



TE Part #3-1879073-5
THS10 150R 5%



Documents

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-2267440-5_10.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2267440-5_10.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2267440-5_10.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[AMPMODU 1.0 mm CENTERLINE INTERCONNECTION SYSTEMS](#)

English

[Datasheet - AMPMODU Small Centerline](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English