

2-1825601-0 ✓ ACTIVE

AMPMODU | AMPMODU System 50

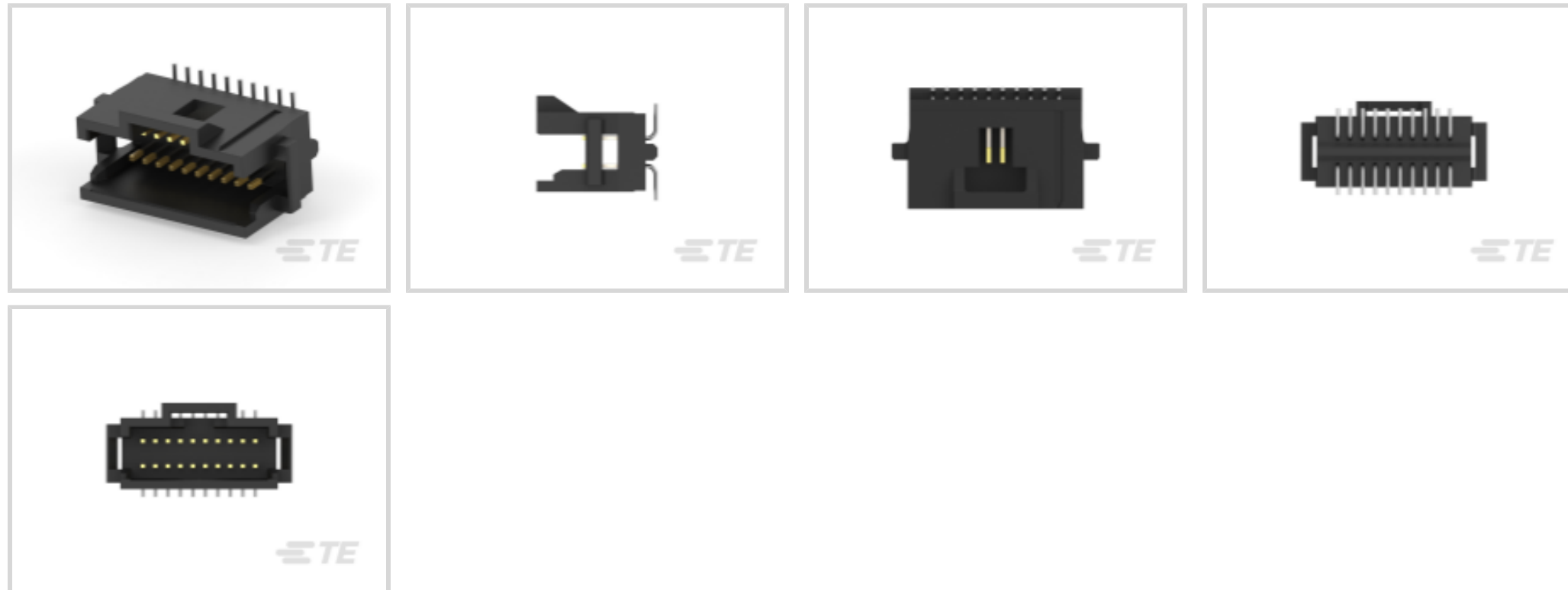
TE Internal #: 2-1825601-0

PCB Mount Header, Vertical, Board-to-Board, 20 Position, 1.27 mm  
[.05 in] Centerline, Fully Shrouded, Gold, Surface Mount, Signal,  
AMPMODU System 50

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Board-to-Board**

Number of Positions: **20**

Number of Rows: **2**

## Features

### Product Type Features

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

### Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	20
Number of Rows	2
Board-to-Board Configuration	Parallel

### Body Features

Primary Product Color	Black
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### Contact Features

Contact Mating Area Plating Material	Gold
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Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]
Contact Type	Socket
Contact Current Rating (Max)	3.6 A

#### Termination Features

Rectangular Termination Post & Tail Thickness	3.6 mm
Termination Method to Printed Circuit Board	Surface Mount

#### Mechanical Attachment

Mating Alignment	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

#### Housing Features

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

#### Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

#### Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-65 - 105 $^{\circ}\text{C}$ [-85 - 221 $^{\circ}\text{F}$ ]

#### Operation/Application

Circuit Application	Signal
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#### Industry Standards

UL Flammability Rating	UL 94V-0
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#### Packaging Features

Packaging Method	Tape & Reel
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#### Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

EU RoHS Directive 2011/65/EU	Compliant
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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 2024 (240)

Candidate List Declared Against: JAN 2024 (240)

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 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 # 2-487937-0  
020 HOUSING FFC 50CL DR LATCH



TE Part # 1-111196-8  
20 RCPT SYSTEM 50, LEAD FREE



TE Part # 5-104550-2  
20 SYS50 SURFMNT DRST RCPT SN



TE Part # 5-104078-1  
20 SYSTEM 50 RCPT ASSY DRST SN



TE Part # 5-147378-2  
20 SYS50 SMT RCP DR SHD SN

Also in the Series | **AMPMODU System 50**



PCB Headers & Receptacles(1008)

## Customers Also Bought



TE Part # 1-1393243-8  
RTE24730



TE Part # 3-1393483-8  
V42254A1115B209=SUB D FEDERLEI

## Documents

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-1825601-0\\_F.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-1825601-0\\_F.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-1825601-0\\_F.3d\\_stp.zip](#)

English

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

### Product Specifications

[AMPMODU System 50 SMT \(Surface Mount Technology\) Receptacles and Headers](#)

English