

5-147377-3 ✓ ACTIVE

AMPMODU | AMPMODU System 50

TE Internal #: 5-147377-3

PCB Mount Header, Vertical, Board-to-Board / Wire-to-Board, 30

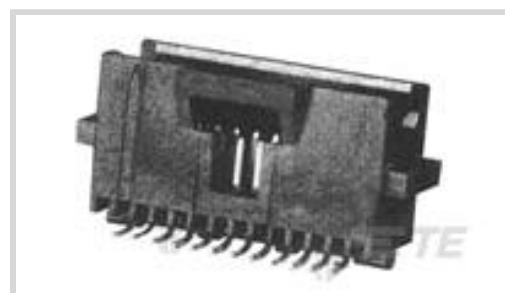
Position, 1.27 mm [.05 in] Centerline, Fully Shrouded, Gold,

AMPMODU System 50

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

PCB Mount Orientation: **Vertical**

Connector System: **Wire-to-Board, Board-to-Board**

Features

Dimensions

	.1 in
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Termination Features

	.031 in
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Termination Method to PCB Surface Mount

Contact Features

	150 μ m
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Contact Shape & Form Round

Contact Base Material Phosphor Bronze

PCB Contact Termination Area Plating Material Tin

Contact Mating Area Plating Material Finish Bright

Contact Mating Area Plating Material Gold

Contact Type Pin

Contact Current Rating (Max) 1 A

Other

EU RoHS Compliance Compliant

EU ELV Compliance Compliant

Product Type Features

PCB Connector Assembly Type PCB Mount Header



Connector System	Wire-to-Board, Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	30
Number of Rows	2

Electrical Characteristics

Operating Voltage	30 VAC
Dielectric Withstanding Voltage (Max)	500 V

Body Features

Primary Product Color	Black
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Mechanical Attachment

Panel Mount Feature	With
Mating Retention	With
Mating Alignment Type	Latched
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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

Usage Conditions

Operating Temperature (Max)	105 °C [221 °F]
Operating Temperature Range	-65 – 105 °C [-85 – 221 °F]

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Power & Signal

Industry Standards



Compatible With Approved Standards Products	UL E28476, CSA LR7189
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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	250
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Packaging Method	Box, 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
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Reflow solder capable to 260°C
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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 # CAT-F439-R2435127
FFC Receptacle Housing: 1.27mm



TE Part # 1-111196-9
30 RCPT SYSTEM 50, LEAD FREE



TE Part # 5-104549-5
30 SYS50 S/M HDR DRST SHRDSN



TE Part # 5-104078-4
30 SYSTEM 50 RCPT ASSY DRST SN



TE Part # 5-104550-4
30 SYS50 SURFMNT DRST RCPT LF

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



PCB Headers & Receptacles(685)

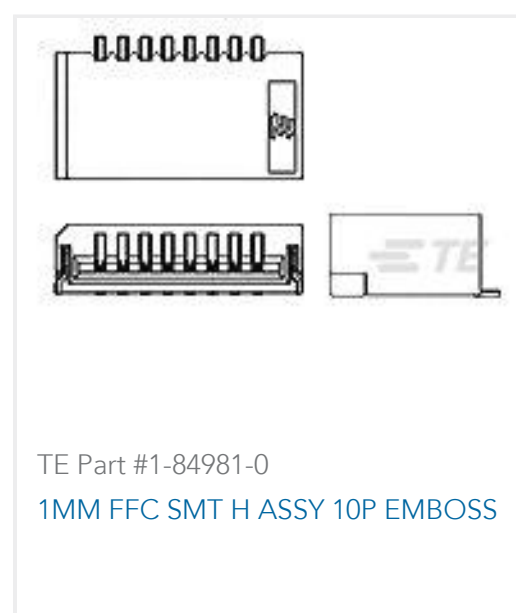
Customers Also Bought



TE Part #2-5747707-0
15 RCPT SP/FMS BRDLK



TE Part #86479-3
10 MODII HDR DRRA UNSHRD .100



TE Part #1-84981-0
1MM FFC SMT H ASSY 10P EMBOSS



TE Part #4-1437646-5
3PCV-05-006=3PCV ASSEMBLY



TE Part #CON SMA011-R58
SMA Jack 50 Ohm Cable Crimp



TE Part #4-1827253-6
.5FHP05H,220,S,GIG,08/Sn,TR,NSYes



TE Part #6-104666-0
24 SYSTEM 50 VERT SHRD HDR SN



TE Part #6-2287923-2
FAKRA, 2 POS, EXT-EDGE, ASS'Y 12 O'CLOCK



Documents

CAD Files

[3D PDF](#)

[3D](#)

Customer View Model

[ENG_CVM_CVM_5-147377-3_J.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-147377-3_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-147377-3_J.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION3AND4](#)

English

[Fine Pitch Stacking Connectors - 1.27mm AMPMODU System 50 Connectors](#)

English

[Stacking Connectors Quick Reference Guide \(English\)](#)

English

Product Specifications

[Application Specification](#)

English