

5-102766-4 ✓ ACTIVE

AMPMODU | AMPMODU IV/V

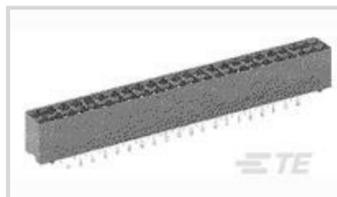
TE Internal #: 5-102766-4

PCB Mount Receptacle, Vertical, Board-to-Board, 60 Position, 2.54 mm [.1 in] Centerline, Gold, Through Hole - Solder, Signal, Black, AMPMODU IV/V

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **60**

Number of Rows: **2**

## Features

### Product Type Features

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

### Configuration Features

Number of Loaded Positions	52
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	60
Number of Rows	2
Board-to-Board Configuration	Orthogonal, Parallel

### Body Features

Connector Profile	High
Primary Product Color	Black

### Contact Features

Contact Layout	Matrix
Mating Square Post Dimension	.64 mm[.025 in]
	150 – 300 $\mu$ m



Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.254 $\mu\text{m}$ [10 $\mu\text{in}$ ]
Contact Type	Receptacle
Contact Current Rating (Max)	3 A

### Termination Features

Rectangular Termination Post & Tail Thickness	.18 mm[.007 in]
Rectangular Termination Post & Tail Width	.69 mm[.027 in]
Termination Post & Tail Length	2.92 mm[.115 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

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

### Housing Features

Mating Entry Location	Top
Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	Polyester - GF

### Dimensions

Connector Length	76.2 mm[3 in]
Connector Height	8.64 mm[.34 in]
Connector Width	5.02 mm[.198 in]
Row-to-Row Spacing	2.54 mm[.1 in]
Stack Height	12.52 mm[.493 in]
PCB Thickness (Recommended)	1.4 – 2.4 mm[.05 – .09 in]

### Usage Conditions

Operating Temperature Range	-65 – 125 $^{\circ}\text{C}$ [-85 – 257 $^{\circ}\text{F}$ ]
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### Operation/Application



Solder Process Feature	Board Standoff
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Circuit Application	Signal
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### Industry Standards

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

Packaging Quantity	7
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Packaging Type	Tube
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### Other

Position Locations Omitted	Row Y - 1, 2, 29, 30, Row Z - 1, 2, 29, 30
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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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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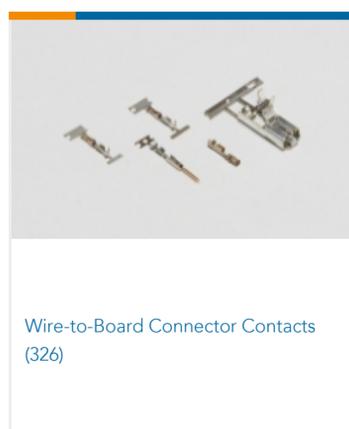
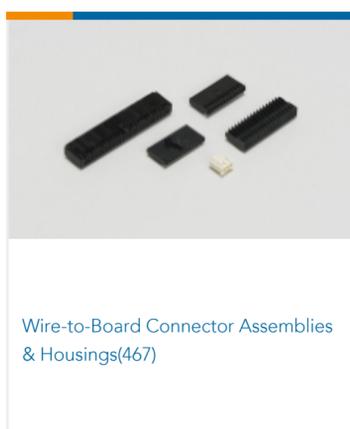
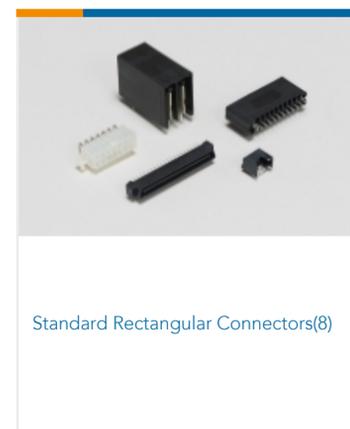
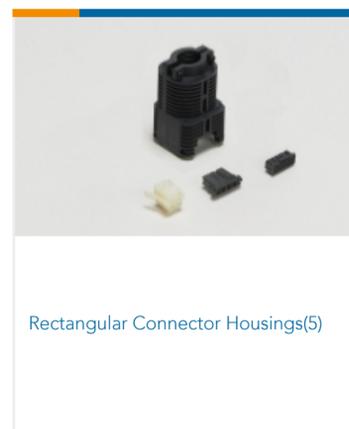
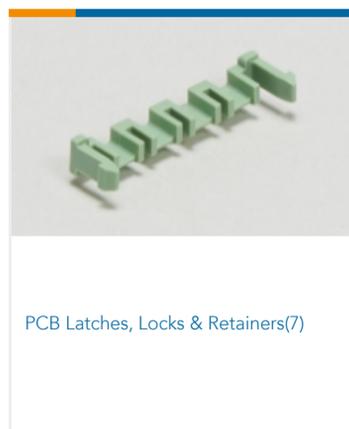
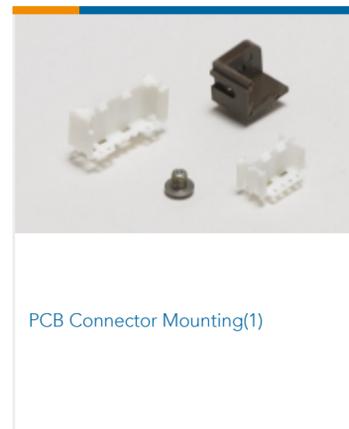
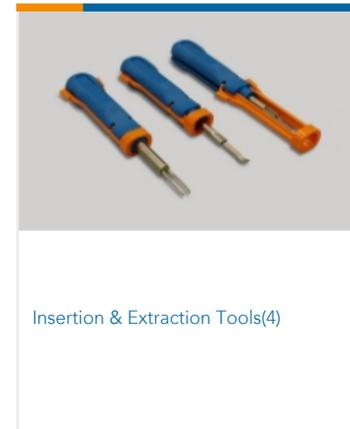
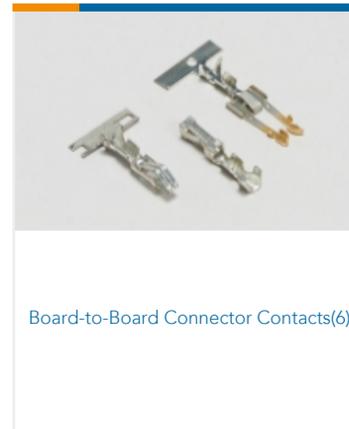
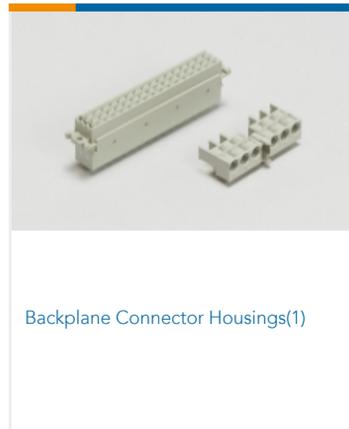
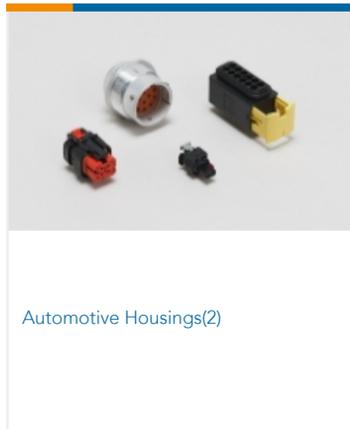
#### Product Compliance Disclaimer

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



## Also in the Series | AMPMODU IV/V





## Documents

### Product Drawings

[60 MODII VRT DR OE 100/115](#)

English

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### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_5-102766-4\\_M.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-102766-4\\_M.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-102766-4\\_M.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

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

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### Datasheets & Catalog Pages

[AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTIONS5](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Product Environmental Compliance

[TE Material Declaration](#)

English