

5145251-2 ✓ ACTIVE

AMPMODU PC/104

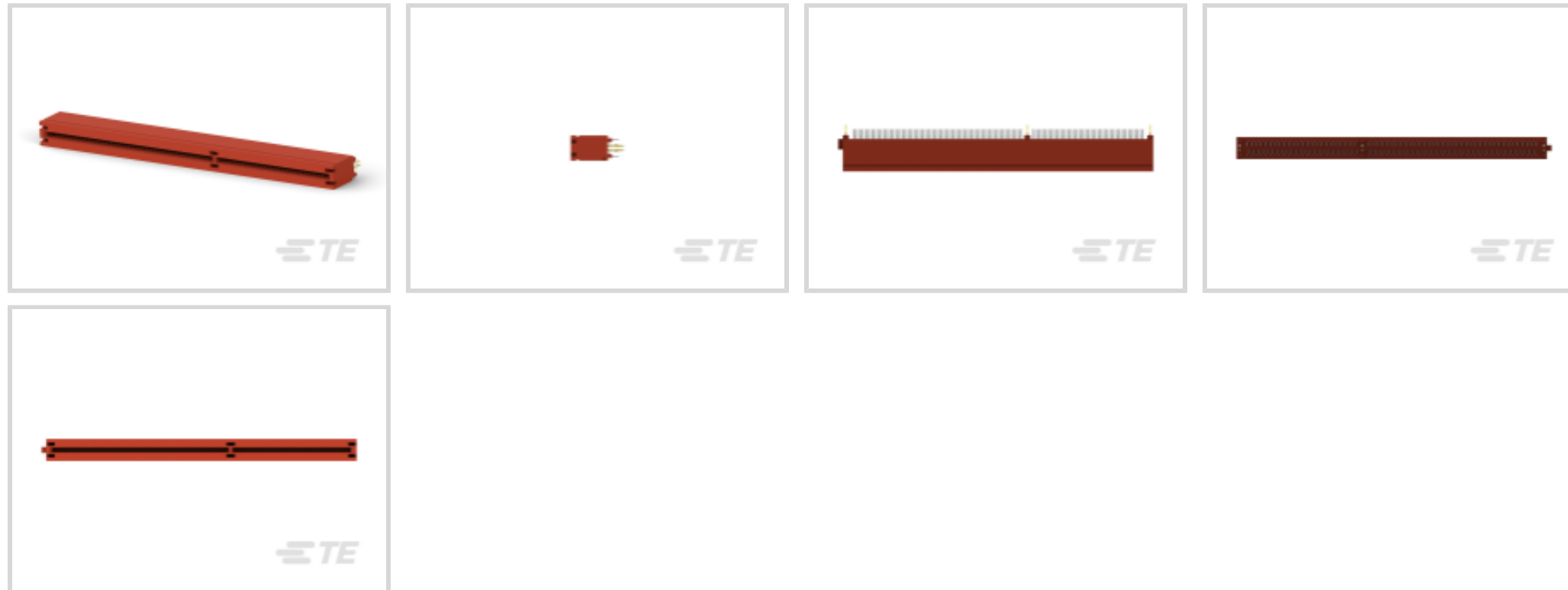
TE Internal #: 5145251-2

Card Edge Power Connectors, Board-to-Board, 242 Position, 1 mm  
[.039 in] Centerline, Signal, 242 Signal Positions, 0 Dual Positions,  
AMPMODU PC/104

[View on TE.com >](#)



Connectors > PCB Connectors > Card Edge Connectors > Card Edge Power Connectors



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

Number of Positions: **242**

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

Contact Current Rating (Max): **242 A**

Circuit Application: **Signal**

## Features

### Product Type Features

Connector & Housing Type	Receptacle
Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board

### Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	242
Number of Signal Positions	242
Number of Dual Positions	0

### Electrical Characteristics

Operating Voltage	60 VDC
-------------------	--------

### Body Features

Primary Product Color	Brown
-----------------------	-------

### Contact Features

--	--



PCB Contact Termination Area Plating Material Thickness	2.54 $\mu\text{m}$ [100 $\mu\text{in}$ ]
Contact Type	Socket
Contact Mating Area Plating Material Thickness	.38 $\mu\text{m}$ [15 $\mu\text{in}$ ]
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	242 A
Contact Mating Area Plating Material	Gold

### Termination Features

Termination Post & Tail Length	2.54 mm[.1 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

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

### Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	1 mm[.039 in]

### Dimensions

Connector Height	13.97 mm[.549 in]
------------------	-------------------

### Usage Conditions

Operating Temperature Range	-55 – 85 $^{\circ}\text{C}$ [-67 – 185 $^{\circ}\text{F}$ ]
-----------------------------	---

### Operation/Application

Circuit Application	Signal
---------------------	--------

### Packaging Features

Packaging Quantity	32
Packaging Method	Tray

## 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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°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>

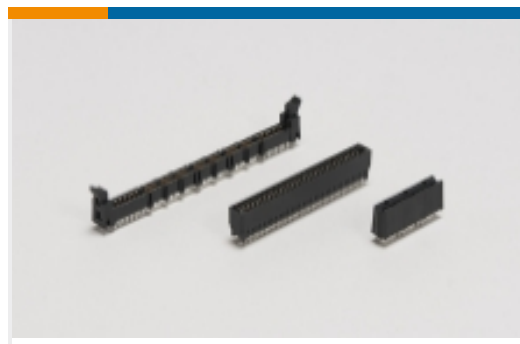
## Compatible Parts



Also in the Series | [AMPMODU PC/104](#)



Automotive Housings(2)



Card Edge Power Connectors(5)



Hand Crimping Tools(1)



PC/104 Connectors(25)



Rack & Panel Connectors(1)



Rectangular Connector Housings(2)

## Customers Also Bought



TE Part #6364666-1  
CONN SEC II 31 POS W/ LATCH



TE Part #350780-1  
04P UMNL CAP HSG



TE Part #1-480703-0  
04P UMNL CAP HSG NATL



TE Part #1-480699-0  
02P UMNL CAP HSG NATL

## Documents

### Product Drawings

[AMP 1MM STD EDGE 242 POS](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_5145251-2\\_O.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_5145251-2\\_O.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_5145251-2\\_O.2d\\_dxf.zip](#)

English

[3D PDF](#)

English

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



---

[Product Specifications](#)

[Application Specification](#)

English