

1-166088-3 ✓ ACTIVE

AMPMODU | Modu Connector System

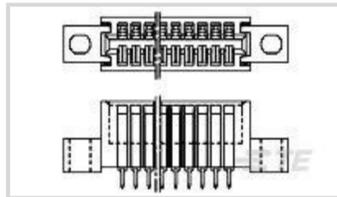
TE Internal #: 1-166088-3

Standard Edge Connectors, Board-to-Board, 13 Position, .1 in [2.54 mm] Centerline, Solder Eyelet, 1 Row, Green, PBT GF20, Modu Connector System

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Connectors > PCB Connectors > Card Edge Connectors > Standard Edge Connectors



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

Number of Positions: **13**

Centerline (Pitch): **2.54 mm [.1 in]**

Termination Method to Wire & Cable: **Solder Eyelet**

Number of Rows: **1**

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	13
Number of Rows	1
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical

### Body Features

Connector Profile	Low
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### Contact Features

Contact Retention Within Housing	Without
PCB Contact Termination Area Plating Material Thickness	3 $\mu$ m
Contact Type	Socket
Contact Mating Area Plating Material Thickness	.38 $\mu$ m[15 $\mu$ in]
Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material	Tin



Contact Base Material	Phosphor Bronze
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Contact Current Rating (Max)	3 A
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### Termination Features

Termination Post & Tail Length	3.2 mm[.13 in]
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Termination Method to Printed Circuit Board	Through Hole - Solder
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Termination Method to Wire & Cable	Solder Eyelet
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### Mechanical Attachment

Mating Alignment Type	Polarization
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Mating Retention	Without
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Mating Alignment	With
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PCB Mount Alignment	Without
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Panel Mount Feature	Without
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PCB Mount Retention	With
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Panel Mount Feature Type	Mounting Ears
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PCB Mount Retention Type	Mounting Ears
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Connector Mounting Type	Board Mount
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### Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
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Housing Color	Green
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Housing Material	PBT GF20
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### Dimensions

Card Slot Depth	7.9 mm[.31 in]
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Connector Height	13.4 mm[.53 in]
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PCB Thickness (Recommended)	1.6 mm[.063 in]
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Row-to-Row Spacing	5.08 mm[.2 in]
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### Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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### 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	Tube
Packaging Quantity	10

## Product Compliance

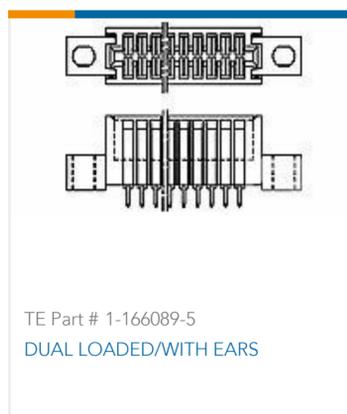
[For compliance documentation, visit the product page on TE.com>](#)

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 2022 (224) Candidate List Declared Against: JAN 2020 (205) 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	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 | [Modu Connector System](#)



Automotive Housings(2)



Board-to-Board Jumpers & Shunts(5)



PCB Connector Covers(4)



PCB Connector Keying(4)



PCB Headers & Receptacles(1243)



Standard Edge Connectors(2)

## Documents

### Product Drawings

[SINGLE LOADED/WITH EARS](#)

### Product Specifications

[Product Specification](#)

[AMP EDGE Low Profile Connectors](#)

English

[Product Specification](#)

English