

5-102398-8  ACTIVE

## AMPMODU

TE Internal #: 5-102398-8

Connector Assembly, Receptacle, Wire-to-Board, 20 Position, 2.54 mm [.1 in] Centerline, Insulation Displacement (IDC), 2 Row, Black, Wire & Cable

[View on TE.com >](#)



Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **20**

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

## Features

### Electrical Characteristics

Termination Resistance	12 mΩ
Dielectric Withstanding Voltage (Max)	750 V
Insulation Resistance	5000 MΩ

### Industry Standards

UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL E28476, CSA LR7189
Glow Wire Rating	Standard Part - Not Glow Wire

### Packaging Features

Packaging Method	Tray
Packaging Quantity	120

### Contact Features

Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Type	Socket
Contact Current Rating (Max)	3 A

### Dimensions

Compatible Insulation Diameter Range	1.27 mm[.05 in]
Connector Height	6.1 mm[.24 in]

Wire Size	26 – 22 AWG
-----------	-------------

Connector Length	25.4 mm[1 in]
------------------	---------------

Row-to-Row Spacing	2.54 mm[.1 in]
--------------------	----------------

### Housing Features

Housing Material	Thermoplastic
------------------	---------------

Housing Entry Configuration	Both Ends Closed
-----------------------------	------------------

Centerline (Pitch)	2.54 mm[.1 in]
--------------------	----------------

### Product Type Features

Applied Pressure	Standard
------------------	----------

Connector Product Type	Connector Assembly
------------------------	--------------------

Connector & Housing Type	Receptacle
--------------------------	------------

Connector System	Wire-to-Board
------------------	---------------

Sealable	No
----------	----

Connector & Contact Terminates To	Wire & Cable
-----------------------------------	--------------

### Configuration Features

Number of Positions	20
---------------------	----

Number of Rows	2
----------------	---

### Body Features

Primary Product Color	Black
-----------------------	-------

### Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
------------------------------------	-------------------------------

### Mechanical Attachment

Mating Retention	Without
------------------	---------

Connector Mounting Type	Cable Mount (Free-Hanging)
-------------------------	----------------------------

### Usage Conditions

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

### Operation/Application

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

### Other

EU RoHS Compliance	Compliant
--------------------	-----------

EU ELV Compliance	Compliant
-------------------	-----------

## 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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable 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



## Customers Also Bought

TE Part #647401-3  
03P SL156 HSG W/RAMP,LRG OPENTE Part #2273002-1  
M8 x 1.0 straight plug PigtailTE Part #6-6609930-8  
PE000DHXB=C2382TE Part #T4162124004-002  
RPC-M12-4MS-1.0SH-M12-4FR-PURTE Part #102536-6  
16 AMPMODU MT COVER DR .100CLTE Part #5-103974-3  
5X4 MTE RCPT SR PLAIN .100CLTE Part #2-342184-1  
TAPE MOUNTED FEPG 12-10 R/TTE Part #5-103946-1  
8X2 MTE SHRD PIN SR POL .100CLTE Part #102536-8  
20 AMPMODU MT COVER DR .100CLTE Part #465520-3  
FLANGE

## Documents

### Product Drawings

#### 20 AMPMODU MT ASSY DR .100CL

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5-102398-8\\_U.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5-102398-8\\_U.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5-102398-8\\_U.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\_SECTION5\_CONT

English

---

**Product Specifications**

[Application Specification](#)

English