

10X2 MTE RCPT SR PLAIN .100CL

✓ ACTIVE

AMPMODU | AMPMODU MTE

TE Part # 103976-1

TE Internal #: 103976-1

[View on TE.com >](#)



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



Number of Positions: 2

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

Termination Method to Wire & Cable: Crimp, Insulation Displacement Crimp (IDC)

Number of Rows: 1

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

Features

Product Type Features

Applied Pressure	Standard
Row-to-Row Spacing	2.54 mm[.1 in]
Connector & Contact Terminates To	Wire & Cable
Product Type	Connector
Connector Style	Receptacle
Connector Type	Housing
Strain Relief	With
Glow Wire Rating	Standard Part - Not Glow Wire

Configuration Features

Number of Positions	2
Number of Rows	1

Electrical Characteristics

Termination Resistance	15 mΩ
Operating Voltage	267 V
Dielectric Withstanding Voltage	600 VAC
Insulation Resistance	5000 MΩ

Body Features

Color	Black
-------	-------

Contact Features

--



Contact Layout	Inline
Solder Tail Contact Plating Material Finish	Bright
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	3 A
Contact Type	Socket

Termination Features

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

Mechanical Attachment

Mating Connector Lock	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention	Without
Mating Alignment	Without

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	Thermoplastic

Dimensions

Wire Size	.12 – .4 mm <sup>2</sup>
Height	2.49 mm[.098 in]
Insulation Diameter	1.37 mm[.054 in]
Length	50.8 mm[2 in]

Usage Conditions

Operating Temperature Range	-65 – 105 °C
-----------------------------	--------------

Operation/Application

For Use With	Mates with Headers
--------------	--------------------

Industry Standards

Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	110
Packaging Method	Tube



Other

Comment	Maximum insulation diameter is 1.14 [.045] for Pneumatic Terminators., Ribbon Cable Notched handles 22-28 AWG
---------	---

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197) Candidate List Declared Against: JAN 2019 (197)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Part # 843477-1  
TOOL, EXTRACTION  
RESET

TE Part # 58336-1  
HEAD (IDC) MODU MTE W  
/O TL

TE Part # 58074-1  
MANUAL HANDLE W/O  
HEAD



Also in the Series | AMPMODU MTE



Multiple Configuration  
PCB Headers &  
Receptacles(7)



PCB Connector Shrouds  
(40)



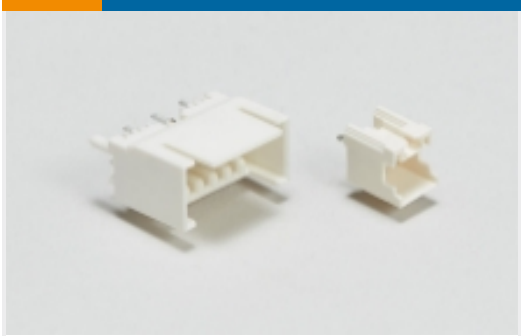
Ribbon Connector  
Accessories(1)



Wire-to-Board Connector  
Contacts(32)



Wire-to-Board Connector  
Housings(594)



Wire-to-Board Headers &  
Receptacles(730)

Customers Also Bought



TE Part #1-1986712-6  
SCREWLESS, SW,16P,5.08  
PCB



TE Part #4-641216-3  
13P MTA100 HDR ASSY FL  
/RA LF



TE Part #5-103976-1  
10X2 MTE RCPT SR PLAIN .  
100CL



TE Part #9-146506-0  
80 MODII HDR DRST  
UNSHRD STKG



TE Part #7-1625867-3  
RP 1J 0.166W 35R7 0.1%  
25PPM 1K RL



TE Part #1-796859-0  
10POS TERM-BLOK PLUG  
RT ANGLE



TE Part #103976-2  
8X3 MTE RCPT SR PLAIN .  
100CL



TE Part #103976-4  
4X5 MTE RCPT SR PLAIN .  
100CL



TE Part #1986484-3  
Plug, 5.08mm, Gn, Ss &  
WE same side, 3p



Documents

Product Drawings

10X2 MTE RCPT SR PLAIN .100CL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_103976-1\_M.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_103976-1\_M.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_103976-1\_M.3d\_stp.zip

English

Datasheets & Catalog Pages

AMPMODU MTE INTERCONNECT SYSTEM

English

Product Specifications

Application Specification

English

Product Environmental Compliance

REACH Substance Communication Document

English

Instruction Sheets

Instruction Sheet (U.S.)

English