1-102398-8 ✔ ACTIVE

AMPMODU

TE Internal #: 1-102398-8

Connector Assembly, Receptacle, Wire-to-Board, 40 Position, 2.54 mm [.1 in] Centerline, Insulation Displacement (IDC), 2 Row, Black, Wire & Cable
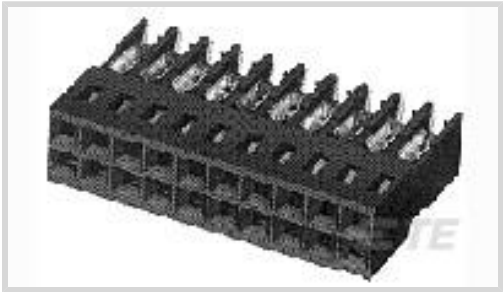
View on TE.com >

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: **40**

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

Features

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	40
Number of Rows	2

Electrical Characteristics

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

Body Features

Primary Product Color	Black

Contact Features

Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin-Lead

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Contact Type	Socket
Contact Current Rating (Max)	3 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

Mating Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Thermoplastic
Housing Entry Configuration	Both Ends Closed
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Compatible Insulation Diameter Range	1.27 mm[.05 in]
Connector Height	6.1 mm[.24 in]
Wire Size	26 – 22 AWG
Connector Length	50.8 mm[2 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

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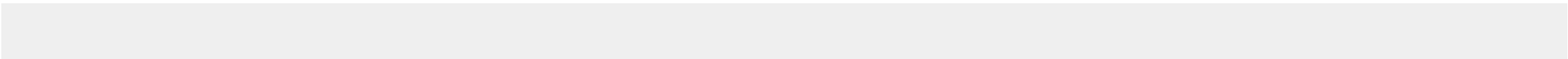
UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	CSA LR7189, UL E28476
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Method	Tray
Packaging Quantity	60

Product Compliance

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

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EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
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 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (13% in 4690948374) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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

TE Part # 58074-1

MTA 50/100/156 MANUAL TOOL FRAME

Customers Also Bought

1-102398-8

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TE Part #4-1879160-2
RN 0805 5R11 0.1% 10PPM 1K RL

TE Part #139321-000
SO96-1-00

TE Part #5745354-4
37 PLUG RA/MS STD

TE Part #3-1393159-6
20C250=SPRING,HOLD-DOWN,R10,.0

TE Part #5745355-4
50 PLUG RA/MS STD

TE Part #5-458141-7
CRIMPER, WIRE

TE Part #4-1437559-4
MTL406N=(MSTL) SW TOG LOCKING

TE Part #1393255-4
W93-X112-20=M6/M7/M9/W6/W7

TE Part #9-1393765-5
R10-E1W4-V700=R10

TE Part #2-102398-3
50 AMPMODU MT ASSY DR .100CL

Documents

Product Drawings
40 AMPMODU MT ASSY DR .100CL

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_1-102398-8_U.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_1-102398-8_U.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1-102398-8_U.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Product Specifications

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Centerline, Insulation Displacement (IDC), 2 Row, Black, Wire & Cable

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Pneumatic Pistol Grip Tool

English