1-102398-8 ACTIVE

AMPMODU

TE Internal #: 1-102398-8

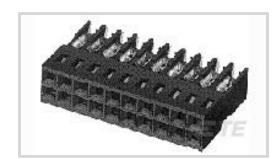
Connector Assembly, Receptacle, Wire-to-Board, 40 Position, 2.54 mm [.1 in] Centerline, Insulation Displacement (IDC), 2 Row, Black,

Wire & Cable

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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

|--|

Contact Features

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



Termination Method to Wire & Cable Mechanical Attachment Mating Retention Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Thermoplastic Housing Entry Configuration Conterline (Pitch) Dimensions Compatible Insulation Diameter Range 1.27 mm, 05 in Connector Height 6.1 mm, 24 in Wire Size 26 22 AWG Connector Length 80 w to Row Spacing 2.54 mm, 1 in Wore Size 2.54 mm, 1 in Connector Length So 8 mm, 2 in Row to Row Spacing 2.54 mm, 1 in Usage Conditions Operating Temperature Range 6.5 – 105 "C 85 – 221 "F Operation/Application Circuit Application Circuit Application Circuit Standards UL Flammability Rating UL 94V-0 Compatible With Approved Standards Products Glow Wire Rating Standard Part - Not Glow Wire		
Termination Features Termination Method to Wire & Cable Mechanical Attachment Mating Retention Without Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Housing Entry Configuration Centerline (Pitch) Dimensions Compatible Insulation Diameter Range Connector Height Wire Size Connector Length Row to Row Spacing Connector Length Coperation/Application Circuit Application Circuit Application Circuit Application Circuit Application Compatible With Approved Standards Products Glow Wire Rating Compatible With Approved Standards Products Classing Features Packaging Features Packaging Method Trey Packaging Method Trey Wiffout Cable Mount (Free-Hanging) About Cable Mount (Free-Hanging) Wiffout Cable Mount (Free-Hanging) About Cable Mount (Fr	Contact Type	Socket
Mechanical Attachment Mating Retention Without Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Thermoplastic Housing Fintry Configuration Roth 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 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 94V-0 Compatible With Approved Standards Products CSA LR7189, UL E28476 Glow Wire Rating Standard Part - Not Glow Wire Packaging Features Packaging Features Fackaging Method Troy	Contact Current Rating (Max)	3 A
Mechanical Attachment Mating Retention Connector Mounting Type Housing Features Housing Material Housing Entry Configuration Centerline (Pitch) Dimensions Compatible Insulation Diameter Range Connector Height Wire Size Connector Length Row-to-Row Spacing Operating Temperature Range Operating Temperature Range Operation/Application Circuit Application Circuit Application Compatible With Approved Standards Products Glow Wire Rating Packaging Features Packaging Features Without Cable Mount (Free-Hanging) Housing Features Without Themmobility Rating Without Cable Mount (Free-Hanging) Housing Features Without Themmobility Rating Without Cable Mount (Free-Hanging) Adal Mount (Free-Hanging) Housing Features Without Themmobility Rating UL 94V-0 Compatible With Approved Standards Products CSA I R7189, UI F28476 Slow Wire Rating Packaging Method I Tray	Termination Features	
Mating Retention Connector Mounting Type Housing Features Housing Material Housing Entry Configuration Centerline (Pitch) Compatible Insulation Diameter Range Connector Height Wire Size Connector Length Row-to-Row Spacing Connector Range Connector Range Connector I ength Connector	Termination Method to Wire & Cable	Insulation Displacement (IDC)
Connector Mounting Type Housing Features Housing Material Housing Entry Configuration Entry Configuration Centerline (Pitch) Dimensions Compatible Insulation Diameter Range Connector Height Wire Size Connector Length Row to Row Spacing Connector Length Operating Temperature Range Operating Temperature Range Circuit Application Circuit Application Circuit Application UL Flammability Rating Compatible With Approved Standards Products Glow Wire Rating Packaging Features Packaging Method Cable Mount (Free-Hanging) Housing Features Able Mount (Free-Hanging) Able Mount (Free-Hanging) Housing Features Cable Mount (Free-Hanging) Housing Features 1.27 mm (.05 in) 6.1 mm (.24 in) 6.1 mm (.24 in) 6.2 mm (.24 in) 6.3 mm (.21 in) 6.4 mm (.21 in) 6.5 mm (.25 mm (.21 in) 6.5 mm (.25 mm (.25 mm) 6.5 mm (.25 mm) 6.5 mm (.25 mm) 6.7 mm (.25 mm) 6.7 mm (.25 mm) 6.8 mm (.25 mm) 6.9 mm (.25 mm	Mechanical Attachment	
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 80.8 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 Compatible With Approved Standards Products Glow Wire Rating Packaging Features Packaging Method Tray	Mating Retention	Without
Housing Material Housing Entry Configuration Both Ends Closed Centerline (Pitch) Dimensions Compatible Insulation Diameter Range 1.27 mml,05 in] Connector Height 6.1 mml,24 in] Wire Size Connector Length So.8 mml2 in] Row-to-Row Spacing Usage Conditions Operating Temperature Range Operation/Application Circuit Application Circuit Application UL Flammability Rating Compatible With Approved Standards Products Glow Wire Rating Packaging Method Tray	Connector Mounting Type	Cable Mount (Free-Hanging)
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 Glow Wire Rating Standard Part - Not Glow Wire Packaging Features Packaging Method Tray	Housing Features	
Centerline (Pitch) Dimensions Compatible Insulation Diameter Range Connector Height Connector Length Row-to-Row Spacing Coperating Temperature Range Circuit Application Circuit Application Circuit Approved Standards Products Glow Wire Rating Compatible With Approved Standards Products Clow Wire Rating Packaging Method Tray	Housing Material	Thermoplastic
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 Standards Products Tray	Housing Entry Configuration	Both Ends Closed
Compatible Insulation Diameter Range Connector Height Connector Height Wire Size 26 – 22 AWG Connector Length So.8 mm[2 in] Row-to-Row Spacing 2.54 mm[.1 in] Usage Conditions Operating Temperature Range Operating Temperature Range Operation/Application Circuit Application Signal Industry Standards UL Flammability Rating UL 94V-0 Compatible With Approved Standards Products Glow Wire Rating Packaging Features Packaging Method Tray	Centerline (Pitch)	2.54 mm[.1 in]
Connector Height Wire Size 26 – 22 AWG Connector Length So.8 mm[2 in] Row-to-Row Spacing 2.54 mm[1 in] Usage Conditions Operating Temperature Range Operation/Application Circuit Application Signal UL Flammability Rating UL P4V-0 Compatible With Approved Standards Products Glow Wire Rating Packaging Features Packaging Method 6.1 mm[.24 in] 26 – 22 AWG 26 – 22 AWG 50.8 mm[2 in] 65 – 105 °C[-85 – 221 °F] 65 – 105 °C[-85 – 2	Dimensions	
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	Compatible Insulation Diameter Range	1.27 mm[.05 in]
Connector Length 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 Glow Wire Rating Packaging Features Packaging Method 50.8 mm[2 in] 2.54 mm[.1 in] 2.54 mm[.1 in] Circuit Application Circuit Application Signal UL 94V-0 CSA LR7189, UL E28476 Standard Part - Not Glow Wire	Connector Height	6.1 mm[.24 in]
Row-to-Row Spacing 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 Glow Wire Rating Packaging Features Packaging Method 2.54 mm[.1 in] Ul 94V-0 CC-85 – 221 °F] Signal UL 94V-0 CSA LR7189, UL E28476 Standard Part - Not Glow Wire	Wire Size	26 – 22 AWG
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	Connector Length	50.8 mm[2 in]
Operating Temperature Range Operation/Application Circuit Application Signal Industry Standards UL Flammability Rating UL 94V-0 Compatible With Approved Standards Products Glow Wire Rating Standard Part - Not Glow Wire Packaging Features Packaging Method Tray	Row-to-Row Spacing	2.54 mm[.1 in]
Operation/Application Circuit Application Industry Standards UL Flammability Rating UL 94V-0 Compatible With Approved Standards Products Glow Wire Rating Packaging Features Packaging Method Signal UL 94V-0 CSA LR7189, UL E28476 Standard Part - Not Glow Wire	Usage Conditions	
Circuit Application Industry Standards UL Flammability Rating UL 94V-0 Compatible With Approved Standards Products Glow Wire Rating Packaging Features Packaging Method Signal UL 94V-0 CSA LR7189, UL E28476 Standard Part - Not Glow Wire	Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
Industry Standards UL Flammability Rating UL 94V-0 Compatible With Approved Standards Products Glow Wire Rating Packaging Features Packaging Method Tray	Operation/Application	
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	Circuit Application	Signal
Compatible With Approved Standards Products Glow Wire Rating Standard Part - Not Glow Wire Packaging Features Packaging Method Tray	Industry Standards	
Glow Wire Rating Standard Part - Not Glow Wire Packaging Features Packaging Method Tray	UL Flammability Rating	UL 94V-0
Packaging Features Packaging Method Tray	Compatible With Approved Standards Products	CSA LR7189, UL E28476
Packaging Method Tray	Glow Wire Rating	Standard Part - Not Glow Wire
	Packaging Features	
Packaging Quantity 60	Packaging Method	Tray
	Packaging Quantity	60

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	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



Customers Also Bought





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 #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

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



Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Pneumatic Pistol Grip Tool

English