



TE Internal #: 1-2355091-2

Connector Assembly, Plug, Wire-to-Board, 12 Position, 1.2 mm [.047 in] Centerline, 1 Row, Natural, Printed Circuit Board, Power & Signal, Board Mount

[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: **Plug**

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

Number of Positions: **12**

Centerline (Pitch): **1.2 mm [.047 in]**

Features

Product Type Features

Connector Product Type	Connector Assembly
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	12
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VDC
Termination Resistance	20 mΩ
Insulation Resistance	100 MΩ
Dielectric Withstanding Voltage (Max)	250 VAC

Body Features

Primary Product Color	Natural
-----------------------	---------



Contact Features

Contact Underplating Material	Nickel
Contact Retention Within Housing	With
PCB Contact Termination Area Plating Material Finish	Matte
Contact Layout	Inline
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Type	Pin
Contact Current Rating (Max)	2 A

Mechanical Attachment

Strain Relief	With
Mating Retention Type	Detent Latching
PCB Mount Retention	Without
Contact Retention Type Within Housing	Press-Fit
Locking Latch Between Cavity Number	None
PCB Mount Retention Type	Solder
PCB Mount Alignment	Without
PCB Mount Alignment Type	None
Mating Retention	With
Connector Mounting Type	Board Mount

Housing Features

Housing Material	PA 6T
Housing Entry Configuration	Both Ends Open
Centerline (Pitch)	1.2 mm[.047 in]

Dimensions

Connector Width	6.85 mm[.269 in]
PCB Thickness (Recommended)	1.6 mm[.062 in]
Connector Height	6.7 mm[.263 in]
Connector Length	16.9 mm[.665 in]

Usage Conditions

Operating Temperature Range	-30 – 85 °C[-22 – 185 °F]
-----------------------------	---------------------------

Operation/Application

--



Circuit Application	Power & Signal
---------------------	----------------

Industry Standards

Compatible With Agency/Standards Products	UL
RAST Version	None
UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL E28476

Packaging Features

Packaging Method	Reel/Carton
------------------	-------------

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed 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 # 1-2355088-2
MICRO CT CONN MT REC
ASSEMBLY 12P

Customers Also Bought



TE Part #1-2355091-4
MICRO CT CONN SINGLE ROW HDR
ASSY(V)14p



TE Part #2-2355091-2
MICRO CT CONN SINGLE ROW HDR
ASSY(V)22p



TE Part #2355091-8
MICRO CT CONN SINGLE ROW HDR
ASSY(V) 8p



TE Part #1-2355091-8
MICRO CT CONN SINGLE ROW HDR
ASSY(V)18p



TE Part #1-2355091-0
MICRO CT CONN SINGLE ROW HDR
ASSY(V)10p



TE Part #2-2355091-0
MICRO CT CONN SINGLE ROW HDR
ASSY(V)20p



TE Part #1-2355091-7
MICRO CT CONN SINGLE ROW HDR
ASSY(V)17p



TE Part #1-2355091-6
MICRO CT CONN SINGLE ROW HDR
ASSY(V)16p



TE Part #1-2355091-5
MICRO CT CONN SINGLE ROW HDR
ASSY(V)15p



TE Part #2-2355091-1
MICRO CT CONN SINGLE ROW HDR
ASSY(V)21p

Documents

Product Drawings

MICRO CT CONN SINGLE ROW HDR ASSY(V)12p

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2355091-2_E.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1-2355091-2_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2355091-2_E.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[1.2mm AMP Micro CT Connector Series](#)

English

Product Specifications

[Process Specification](#)

English

Agency Approvals

[UL](#)

English