

AMP-LATCH

TE Internal #: 2-111446-3

Wire-to-Wire, 40 Position, 2.54 mm [.1 in] Centerline, Vertical,
Through Hole - Solder, 2 Row, Plug, Low Profile, Ribbon Cable
Connectors

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Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



Connector System: **Wire-to-Wire**
Number of Positions: **40**
Centerline (Pitch): **2.54 mm [.1 in]**
PCB Mount Retention: **Without**
PCB Mount Retention Type: **Screw Mount**

Features

Product Type Features

Ribbon Cable Connector Header Type	Shrouded
Connector Product Type	Connector Assembly
Connector System	Wire-to-Wire
Connector & Housing Type	Plug
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	40
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

Body Features

Daisy Chain	Without
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Primary Product Color	Black
Connector Profile	Low

Contact Features

Contact Mating Area Length	6.1 mm[.24 in]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Type	Pin
Wire Contact Termination Area Plating Thickness	2.54 μm[100 μin]
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 μm[29.92 μin][30 μin]
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment	With
PCB Mount Alignment	With
Panel Mount Feature	Without
PCB Mount Retention	Without
PCB Mount Retention Type	Screw Mount
Mating Alignment Type	Keyed
Mating Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
Connector Length	65.33 mm[2.572 in]
Connector Height	14.48 mm[.57 in]
Connector Width	8.38 mm[.33 in]
Wire Size	.08 – .15 mm²



Compatible Insulation Diameter Range	.81 – .97 mm [.032 – .038 in]
Row-to-Row Spacing	2 mm [.1 in]

Usage Conditions

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

Solder Process Feature	Solder Dipped
Circuit Application	Signal

Industry Standards

UL Rating	Recognized
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	40
Packaging Method	Box & Tray, Tray

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	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 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 #2-1761609-3
IDC LOW PRO HDR 10P RA SHT LAT



TE Part #4-1625868-3
RP 2A 0.25W 14R7 0.1% 25PPM 1K RL



TE Part #1624204-2
23SE 1MA 6.35X50FL B7 CAT



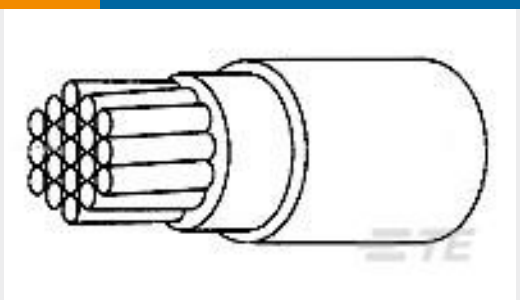
TE Part #535541-1
03 MODIV VRT SR CE 100/115



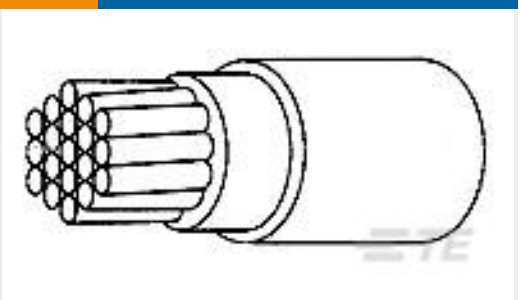
TE Part #1-1623720-8
CCR2 68R 10% BULK



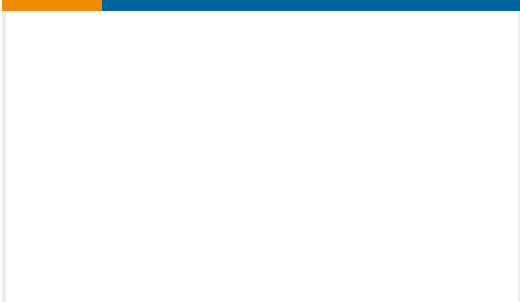
TE Part #LM31-00000F-005PG
5PSIG LIQUID LEVEL PRESSURE TRANSDUCER



TE Part #9675813001
100G0111-0.50-6



TE Part #1373413001
100G0111-0.75-6



TE Part #1-2159395-9
IBM 00LU390 ETHERNET

Documents

Product Drawings

040 UNIV I/O 30DP NO EARS

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-111446-3_M.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-111446-3_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-111446-3_M.3d_stp.zip

English

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

Datasheets & Catalog Pages



Ribbon Cable Interconnect Solutions

English

Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English