1-216093-6 ✔ ACTIVE

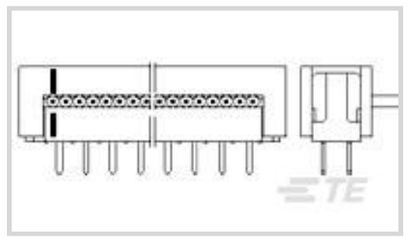
AMP-LATCH

TE Internal #: 1-216093-6

Ribbon Cable Connectors, Wire-to-Board, 16 Position, 2.54mm [.1in] Centerline, Vertical, Through Hole - Solder, Insulation Displacement Crimp (IDC)

View on TE.com >

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



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

Number of Positions: **16**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

Number of Positions	16
PCB Mount Orientation	Vertical
Number of Rows	2

Contact Features

PCB Contact Termination Area Plating Material Thickness	3 – 5.1 µm[118.11 – 200.79 µin]
Wire Contact Termination Area Plating Material Thickness	3 – 5.1 µm[118.11 – 200.79 µin]
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	1 A

Termination Features

Rectangular Termination Post & Tail Thickness	.32 mm[.013 in]
Rectangular Termination Post & Tail Width	.5 mm[.02 in]

Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Method to Wire & Cable	Insulation Displacement Crimp (IDC)

Mechanical Attachment

PCB Mount Retention	Without
Mating Retention	Without
Connector Mounting Type	Board Mount

Housing Features

Housing Color	Gray
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

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

Product Compliance

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

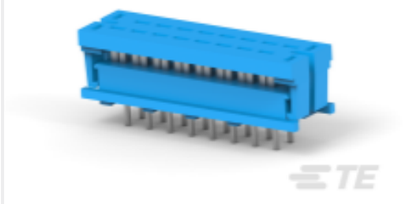
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

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

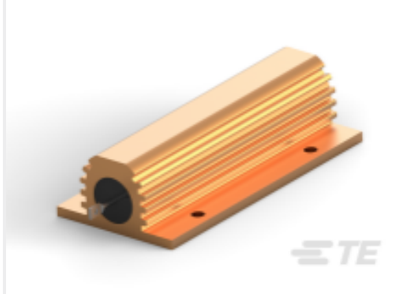


TE Part # 1658525-8
622-1653LF, PCB IDC, LEAD FREE

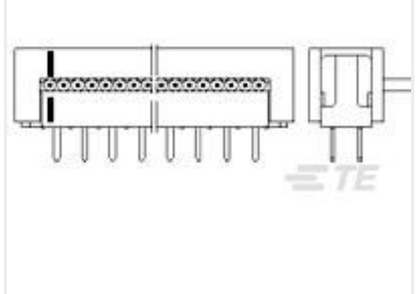
Customers Also Bought



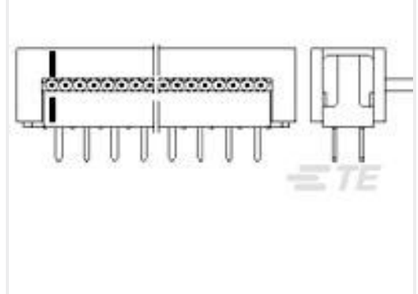
TE Part #1-215083-6
MALE-ON-WIRE CONNECTOR



TE Part #1625999-4
Power Resistors: Aluminum Housed, HSC



TE Part #1-216093-0
AMP-LATCH PRE-ASSY DIL WITHO



TE Part #1-216093-4
AMP-LATCH PRE-ASSY DIL WITHO



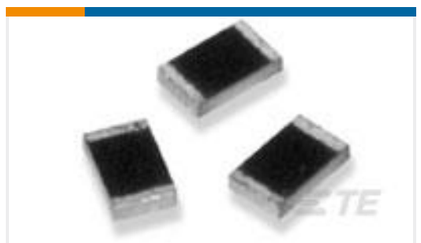
TE Part #1622323-1
LR1 1% 15K



TE Part #1622555-1
LR1 1% 6K8



TE Part #1622386-1
LR1 1% 220R



TE Part #1-1879746-9
RP 1J 9K09 0.1% 15PPM CUT LENGTH



TE Part #9-1415071-1
PT78730



TE Part #130517
PIDG 22-16 SPADE M4

Documents

Product Drawings

AMP-LATCH PRE-ASSY DIL WITHO

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-216093-6_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-216093-6_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-216093-6_B.3d_stp.zip

English

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

Product Specifications

Application of AMP-LATCH, Ribbon Cable Connectors

English

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

Agency Approval Document

English