1-5103311-2 ✔ ACTIVE

AMP-LATCH

TE Internal #: 1-5103311-2

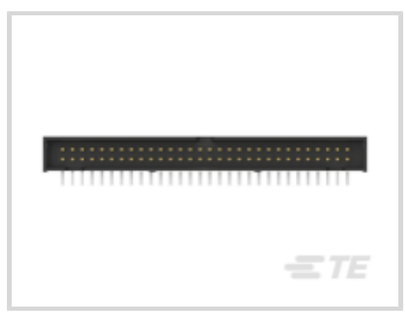
Wire-to-Board, 60 Position, 2.54 mm [.1 in] Centerline, Right Angle, Through Hole - Solder, 2 Row, Plug, Low Profile, Ribbon Cable Connectors

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: **60**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Right Angle**

Features

Product Type Features

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

Configuration Features

Number of Positions	60
PCB Mount Orientation	Right Angle
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

Body Features

Daisy Chain	With

Primary Product Color	Black
Connector Profile	Low

Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Type	Pin
	30 µin
Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	1 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.05 mm[.12 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Alignment Type	Center, Dual Polarizing Bar
Mating Retention	Without
Connector Mounting Type	Board Mount

Housing Features

Housing Material	Glass-Filled Nylon/PBT
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
Connector Length	83.82 mm[3.3 in]
Connector Height	8.81 mm[.347 in]

Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

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

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	35
Packaging Method	Tube

Product Compliance

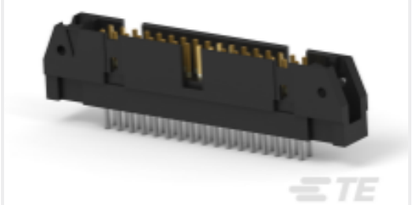
For compliance documentation, visit the product page on TE.com>

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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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 # 1-1658694-1
A/L UNIV HDR 34P ACT PIN



TE Part # 499252-7
060 STRAIN RELIEF A-L RCPT



TE Part # 1-1658622-1
60 NOVO MIL/CTR 30DP,LEAD FREE

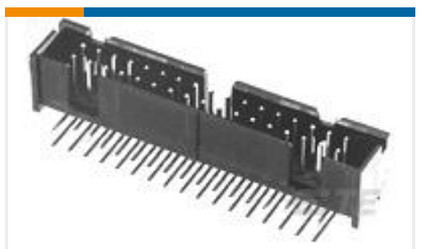


TE Part # 1-1658621-1
60 NOVO MIL/CTR 15DP,LEAD FREE

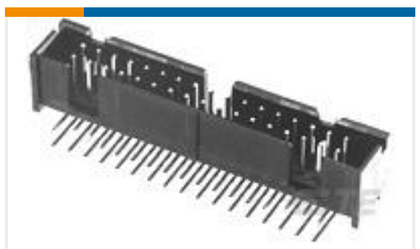


TE Part # 1-102387-1
60 MODIV HSG COMP DR .100 POL

Customers Also Bought



TE Part #5103311-1
A/L LOW PRO HDR 10P RA BLACK



TE Part #5103311-8
A/L LOW PRO HDR 40P RA BLACK



TE Part #9-2176306-9
RP 1E 0.1W 12K1 0.1% 25PPM 5K RL



TE Part #2176307-4
RP 1E 0.1W 13K3 0.1% 25PPM 5K RL



TE Part #1-2176307-5
RP 1E 0.1W 17K4 0.1% 25PPM 5K RL



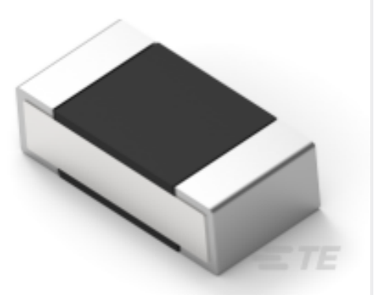
TE Part #2-2176307-3
RP 1E 0.1W 21K 0.1% 25PPM 5K RL



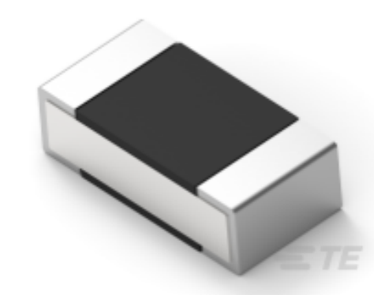
TE Part #2-2176307-7
RP 1E 0.1W 23K2 0.1% 25PPM 5K RL



TE Part #3-2176307-8
RP 1E 0.1W 30K1 0.1% 25PPM 5K RL



TE Part #6-2176307-0
RP 1E 0.1W 51K1 0.1% 25PPM 5K RL



TE Part #6-2176307-1
RP 1E 0.1W 52K3 0.1% 25PPM 5K RL

Documents

Product Drawings

A/L LOW PRO HDR 60P RA BLACK

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-5103311-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-5103311-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-5103311-2_B.3d_stp.zip

English

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

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5

English

Ribbon Cable Interconnect Solutions

English

Product Specifications

Product Specification

English

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TE Connectivity:

2005330-1 3631B101LL 650075-000 917696-1 CPF0402B37K4E1 SBCHE154R7K 2377783-2 936348-1
U5254-000005-030PA 2834055-1 2380312-2 RH73H2A40MKTN ROX05SJ18R SMW73R0JT 1-794222-0
1903112-2 1969656-1 2310537-1 MPT100C18RF 1743455-2 3430B2F51RTDF 141991-2 175977-2
3-1393225-0 TE50BR39J 2-292161-3 CRGCQ2010J3K3 SBCHE64R7K 1-962915-1 1393431-1