5102154-9 ✔ ACTIVE

AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 5102154-9

Ribbon Cable Connectors, Wire-to-Board, 40 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers

View on TE.com >

Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors > AMP-LATCH UNIVERSAL HEADERS

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

Number of Positions: **40**

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

PCB Mount Retention: **With**

PCB Mount Retention Type: **Screw Mount**

All AMP-LATCH UNIVERSAL HEADERS (525)

Features

Product Type Features

Connector Type	Header
Ribbon Cable Connector Header Type	Universal Ejection Pin Headers
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	40
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ

Operating Voltage	250 VAC

Body Features

Connector Profile	Standard

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	Phosphor Bronze
Contact Current Rating (Max)	1 A

Termination Features

Round Termination Post & Tail Diameter	.64 mm[.025 in]
Termination Post & Tail Length	2.79 mm[.11 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Mating Entry Location	Top
Housing Material	Nylon - GF
Housing Color	Black

Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
Connector Length	70.1 mm[2.76 in]
Connector Height	13.94 mm[.55 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	40
Packaging Method	Tray

Other

Comment	For Use With AMP-Latch Receptacle

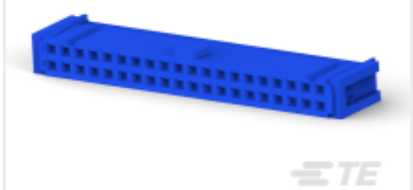
Product Compliance

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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

Compatible Parts

TE Part # 499252-1
040 STRAIN RELIEF A-L RCPT



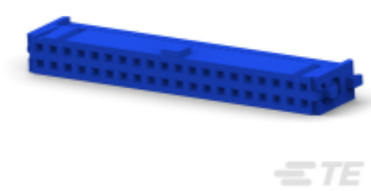
TE Part # 1-1658527-3
622-4041LF FEM SOCKT,LEAD FREE

TE Part # 1658622-9
40 NOVO MIL/CTR 30DP,LEAD FREE

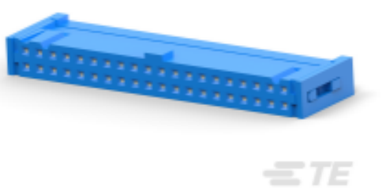
TE Part # 1658620-9
40 NOVO MIL 15DP, LEAD FREE

TE Part # 1658621-9
40 NOVO MIL/CTR 15DP,LEAD FREE

TE Part # 1658623-9
40 NOVO MIL 30DP, LEAD FREE



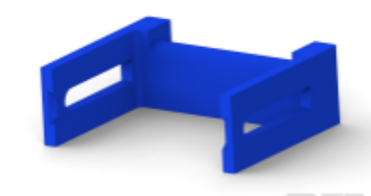
TE Part # 2-1658526-0
609-4030LF FEM SOCKT,LEAD FREE



TE Part # 2-1658526-1
609-4041LF FEM SOCKT,LEAD FREE

TE Part # 1-1658528-9
636-4041LF=FEM SKT BLD POL S/R

TE Part # 1658624-9
40 NOVO DUAL 30DP, LEAD FREE



TE Part # CAT-AM71-A85022
Female Socket Connectors: Strain Relief

TE Part # 1-1658527-2
622-4030LF FEM SOCKT,LEAD FREE

Also in the Series | AMP-LATCH Universal Headers

Ribbon Cable Connectors(525)

Ribbon Connector Accessories(13)

Documents

Product Drawings

A/L UNIV HDR 40P VERT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5102154-9_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5102154-9_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5102154-9_C.3d_stp.zip

English

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5

English

Ribbon Cable Interconnect Solutions

English

Product Specifications

Product Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

Agency Approval Document

English