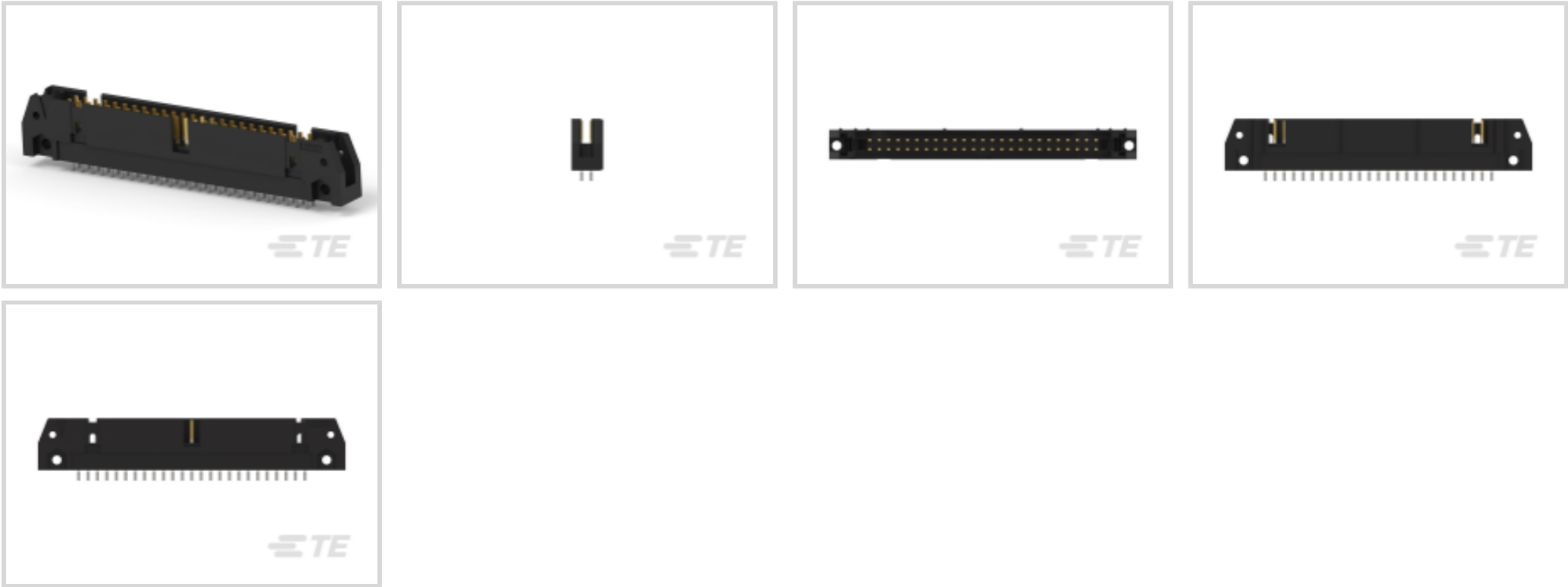




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



Connector System: **Wire-to-Board**
Number of Positions: **50**
Centerline (Pitch): **2.54 mm [.1 in]**
PCB Mount Retention: **With**
PCB Mount Retention Type: **Screw Mount**

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	50
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC
Insulation Resistance	1000 – 5000 MΩ

Body Features

Post Size	.64 mm[.025 in]
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Connector Profile	Standard
Contact Features	
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Type	Pin
	30 – 30 µin
Contact Mating Area Plating Material	Gold Flash, Gold
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	
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	82.8 mm[3.26 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
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	30
Packaging Method	Tray

Other

Comment	For Use With AMP-Latch Receptacle
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Product Compliance

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

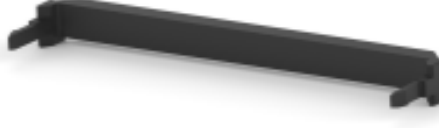
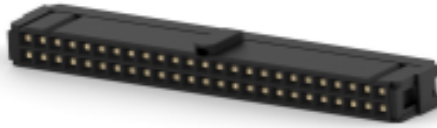
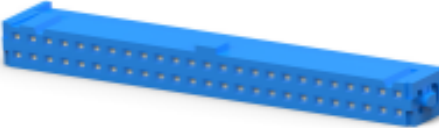
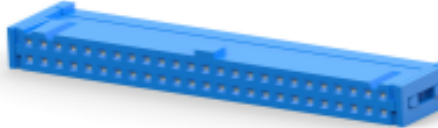
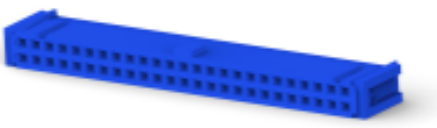
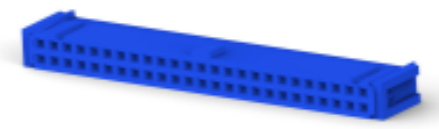
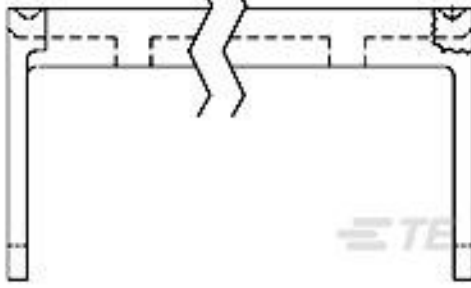
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201)
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

 TE Model / Part # 1-1658622-0 50 NOVO MIL/CTR 30DP, LEAD FREE	 TE Model / Part # 499252-4 050 STRAIN RELIEF A-L RCPT	 TE Model / Part # 1-1658620-0 50 NOVO MIL 15DP, LEAD FREE	 TE Model / Part # 1-1658621-0 50 NOVO MIL/CTR 15DP, LEAD FREE
 TE Model / Part # 1-1658623-0 50 NOVO MIL 30DP, LEAD FREE	 TE Model / Part # 2-1658526-3 609-5030LF FEM SOCKET, LEAD FREE	 TE Model / Part # 2-1658526-4 609-5041LF FEM SOCKET, LEAD FREE	 TE Model / Part # 1-1658527-4 622-5030LF FEM SOCKET, LEAD FREE
 TE Model / Part # 1-1658527-5 622-5041LF FEM SOCKET, LEAD FREE	 TE Model / Part # 8-1437021-1 609-5031HD=FSKT IDC S 50 SR	 TE Model / Part # 1-1658624-0 050 NOVO DUAL 30DP FT	 TE Model / Part # 1658528-8 636-5041LF FEM SOCKET, LEAD FREE



TE Model / Part # 2-1658526-2
609-5001MLF FEM SCKT,
LEAD FREE

TE Model / Part # 2-1658528-0
636-5030LF=FEM SKT
BLADE POL 1

Also in the Series | AMP-LATCH Universal Headers

Ribbon Cable Connectors
(525)

Ribbon Connector
Accessories(14)

Customers Also Bought

TE Model / Part #1-102387-0
50 MODIV HSG COMP DR
.100 POL

TE Model / Part #7-1437529-5
508-AG10D=SOCKET
ASSY

TE Model / Part #102312-1
UNIVERSAL HEADER
LATCH

TE Model / Part #102320-1
UNIVERSAL HEADER
LATCH

TE Model / Part #1053354-1
2062 0000 00,SMA PCB
VERT JACK

TE Model / Part #1218125-3
25 POS,ASSY,PLUG,LOW
PROF,109

TE Model / Part #5102154-3
A/L UNIV HDR 16P VERT

TE Model / Part #5102154-6
A/L UNIV HDR 26P VERT

TE Model / Part #5102154-9
A/L UNIV HDR 40P VERT

TE Model / Part #1825851-1
AMPMODU MOD IV
LATCH for AMPLA



Documents

Product Drawings

A/L UNIV HDR 50P VERT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-5102154-0_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-5102154-0_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-5102154-0_C.3d_stp.zip

English

Datasheets & Catalog Pages

Ribbon Cable Interconnect Solutions

English

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5

English

Product Specifications

Product Specification

English

Agency Approvals

Agency Approval Document

English