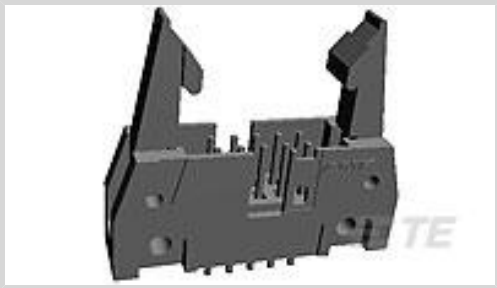




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors > AMP-LATCH UNIVERSAL HEADERS



Connector System: **Wire-to-Board**
Number of Positions: **16**
Centerline (Pitch): **2.54 mm [.1 in]**
PCB Mount Retention: **Without**
PCB Mount Orientation: **Vertical**

[All AMP-LATCH UNIVERSAL HEADERS \(525\)](#)

Features

Product Type Features

Connector Type	Header
Ribbon Cable Connector Header Type	Universal Ejection Pin Headers
Connector Mating Latch & Lock Type	Long
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	16
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

Body Features

Mating Retention Feature Color	Red
--------------------------------	-----



Mating Retention Feature Material	PCT
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
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Underplating Material	Nickel, Palladium Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass, 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
Contact Retention Type Within Housing	Press-Fit
PCB Mount Alignment	Without
Panel Mount Feature	Without
Panel Mount Feature Type	Mounting Ears
PCB Mount Retention	Without
Mating Alignment Type	Center & Dual
Mating Retention	With
Mating Retention Type	Ejection Latch
Connector Mounting Type	Board Mount

Housing Features

Housing Material	PCT GF
Housing Color	Red



Centerline (Pitch)	2.54 mm[.1 in]
--------------------	----------------

Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
Connector Length	39.62 mm[1.56 in]
Connector Height	8.64 mm[.548 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	18
Packaging Method	Tray

Other

Comment	For Use With Receptacles With Strain Relief, Pin headers in 10- and 14-position sizes have only one slot for snap-in polarizer (military polarization), located as shown., Pin headers in 10-position size have only slot for dual polarization, located as shown.
---------	--

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: JUN 2013 (144) SVHC > Threshold:



Not Yet Reviewed

Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Pin-in-Paste capable to 245°C

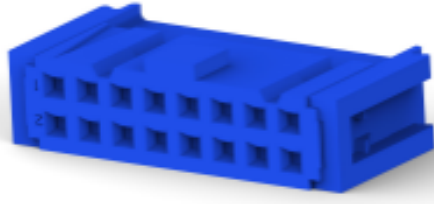
Product Compliance Disclaimer

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.

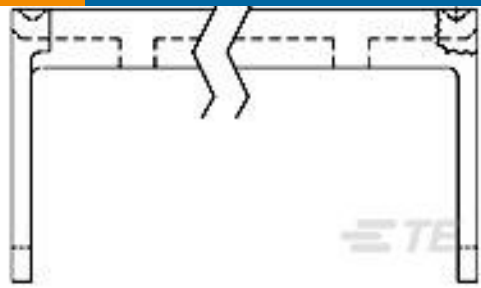
Compatible Parts

 TE Part # 499252-8 016 STRAIN RELIEF A-L RCPT	 TE Part # 1-1658526-1 609-1641LF FEM SOCKET, LEAD FREE	 TE Part # 2-1658526-9 609-1630LF=FSKT IDC S 16 30AU	 TE Part # 1658527-7 622-1641LF FEM SOCKET, LEAD FREE
 TE Part # 1658621-3 16 NOVO MIL/CTR 15DP, LEAD FREE	 TE Part # 1658622-3 16 NOVO MIL/CTR 30DP, LEAD FREE	 TE Part # 1658620-3 16 NOVO MIL 15DP, LEAD FREE	 TE Part # 1658623-3 16 NOVO MIL 30DP, LEAD FREE

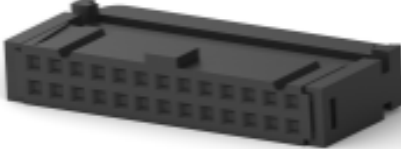




TE Part # 1658527-6
622-1630LF FEM SOCKET,LEAD FREE



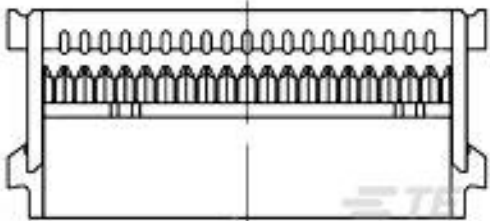
TE Part # 6-1437020-6
609-1631HD=FSKT IDC S 16 SR



TE Part # 1658528-5
636-2641LF FEM SOCKET,LEAD FREE



TE Part # 1658624-3
016 NOVO DUAL 30DP FT



TE Part # 1-1658526-0
609-1601MLF FEM SCKT,LEAD FREE



TE Part # 1-1658528-4
636-1630LF=FEM SKT BLADE POL 1



TE Part # 2-1658528-7
636-1641LSLF FEMALE SOCKET CON

Also in the Series

AMP-LATCH Universal Headers



Ribbon Cable Connectors(525)



Ribbon Connector Accessories(13)

Documents

Product Drawings

A/L UNIV HDR 16P VERT LG LAT HT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5111374-3_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5111374-3_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5111374-3_B.3d_stp.zip

English



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

Product Specifications

Product Specification

English