

016 UNIV HDR SP 4S 15DP STD

✓ ACTIVE

AMP-LATCH | AMP-LATCH Universal Headers

TE Part # 102155-3

TE Internal #: 102155-3

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



Connector System: **Board-to-Board**
Number of Positions: **16**
Centerline (Pitch): **2.54 mm [.1 in]**
PCB Mount Retention: **With**
PCB Mount Retention Type: **Screw Mount**

Features

Product Type Features

Product Type	Connector
Board Standoff	Without
Connector Type	Header
Header Type	Universal Ejection Pin Headers
Connector System	Board-to-Board
Row-to-Row Spacing	2.54 mm[.1 in]
Connector Style	Receptacle
Profile	Standard
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Ejection Latches	Without
Number of Positions	16
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

Body Features

Daisy Chain	Without
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Post Size	.64 mm[.025 in]
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Contact Features

	15 µin
Contact Termination Area Plating Material	Gold Flash
Contact Design	Solder Dip
Contact Transmits (Typical)	Signal (Data)
Contact Termination Area Plating Thickness	2.54 µm[100 µin]
Contact Type	Pin
Contact Mating Area Plating Material	Gold Flash, Gold
Contact Shape	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Brass, Phosphor Bronze
Contact Current Rating (Max)	1 A

Termination Features

Termination Post Length	3.94 mm[.155 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Housing Style	4-Sided
Housing Material	Thermoplastic
Housing Color	Black
Centerline (Pitch)	2.54 mm[.1 in]



Dimensions

Height	13.94 mm[.55 in]
PCB Thickness (Recommended)	3.18 mm[.125 in]
Shrouded End Dimension	3.81 mm[.15 in]

Usage Conditions

Temperature Rating	Standard
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	70
Packaging Method	Tray

Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197) Candidate List Declared Against: JAN 2019 (197)
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 Part # 487223-3
016 HOUSING FFC RCPT
100CL DR

Also in the Series | AMP-LATCH Universal Headers

Ribbon Cable Connectors
(526)

Ribbon Connector
Accessories(14)

Customers Also Bought

TE Part #102155-9
040 UNIV HDR SP 4S 15DP
STD

TE Part #1-6450121-5
MBXL R/A HDR 16S+4P

TE Part #102155-6
026 UNIV HDR SP 4S 15DP
STD

TE Part #1934354-1
TinMan R/A Header Assy
4x8 Double

TE Part #2-1985834-0
FOSM ODC LEAD 5.5
2PLUG-LC/DPX 20.0M

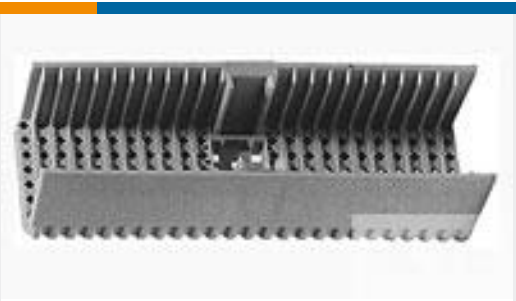
TE Part #4-826629-0
40P AMPMODU II STIFT
LEI

TE Part #413986-1
BNC PCB VERTICAL,75
OHM

TE Part #5352713-1
Z-PACK/B-HDR, 132 POSN



TE Part #5787885-1
200 CMP DCK RA PLG INV
SHL 3.4



TE Part #646481-1
2MM H.M.,B-19 SHROUD
3.0MM

Documents

Product Drawings

016 UNIV HDR SP 4S 15DP STD

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_102155-3_K.3d_igs.zip

English

Customer View Model

ENG_CVM_102155-3_K.3d_stp.zip

English

Customer View Model

ENG_CVM_102155-3_K.2d_dxf.zip

English

Product Specifications

Product Specification

English

Product Environmental Compliance

REACH Substance Communication Document

English

Instruction Sheets

Instruction Sheet (U.S.)

English

AMP INSTALLATION PROCEDURES FOR AMP-LATCH UNIVERSAL HEADER ASSEMBLIE

English

Agency Approvals

Agency Approval Document

English