

A/L LOW PRO HDR 14P VERT BLACK ✓ ACTIVE

AMP-LATCH

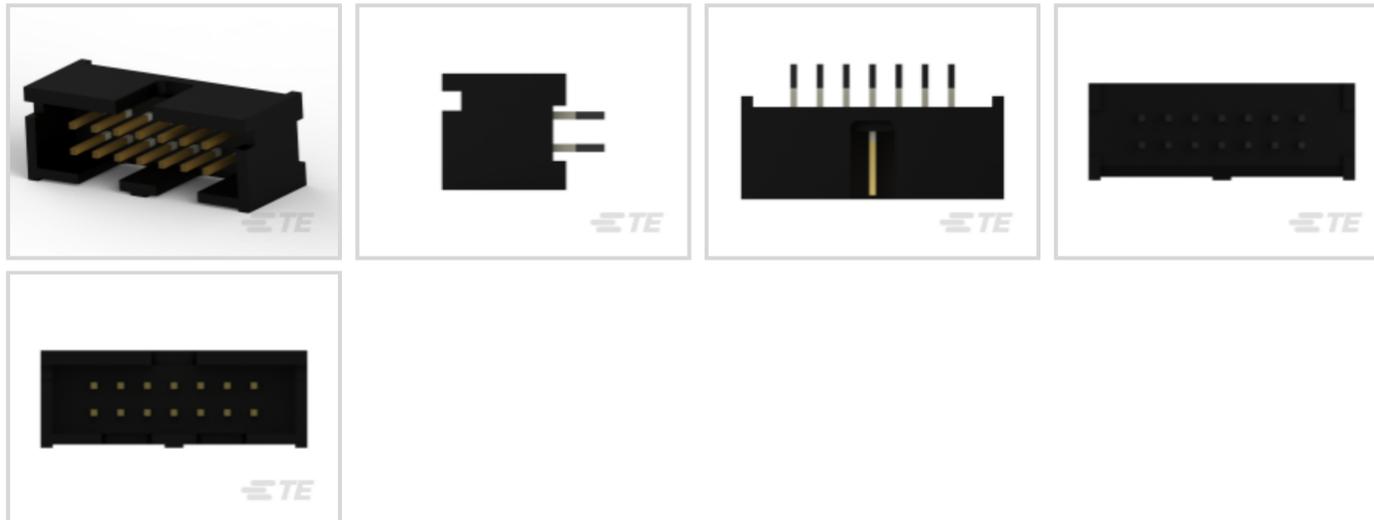
TE Part # 5103309-2

TE Internal #: 5103309-2

[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: **14**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

Product Type	Connector
Board Standoff	With
Connector Type	Header
Header Type	Pin Header
Connector System	Wire-to-Board
Row-to-Row Spacing	2.54 mm[.1 in]
Connector Style	Plug
Profile	Low
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Ejection Latches	Without
Number of Positions	14
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics



Insulation Resistance	5000 MΩ
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Operating Voltage	250 VAC
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Body Features

Daisy Chain	With
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Post Size	.64 mm[.025 in]
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Contact Features

	30 μin
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Contact Termination Area Plating Material	Tin
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Contact Design	Square Post
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Contact Transmits (Typical)	Signal (Data)
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Contact Termination Area Plating Thickness	2.54 μm[100 μin]
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Contact Type	Pin
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Contact Mating Area Plating Material	Gold Flash, Gold
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Contact Shape	Square
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Copper Alloy
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Contact Current Rating (Max)	1 A
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Termination Features

Termination Post Length	3.05 mm[.12 in]
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Termination Method to Printed Circuit Board	Through Hole
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Mechanical Attachment

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



Housing Style	4-Sided
Housing Material	Glass Filled Nylon/PBT
Housing Color	Black
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Length	25.4 mm[1 in]
Height	8.813 mm[.347 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

For Use With	Mates with Receptacles
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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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: JAN 2019 (197) Candidate List Declared Against: JAN 2019 (197)
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 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



Ribbon Cable Connectors
(10)



Ribbon Connector
Accessories(3)

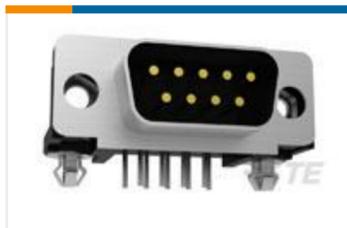
Customers Also Bought



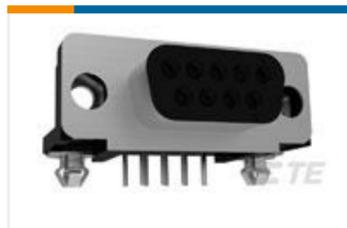
TE Part #5747846-4
25 MSFL RCPT RA 318 (IN, FM,BL)



TE Part #5103309-3
A/L LOW PRO HDR 16P VERT BLACK



TE Part #5747840-4
HD-20 PLUG RA .318 FMS BD-LK 4



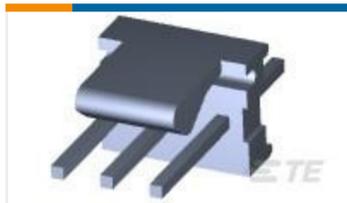
TE Part #5747844-4
09 MSFL RCPT RA 318 (IN, FM,BL)



TE Part #5103309-1
A/L LOW PRO HDR 10P VERT BLACK



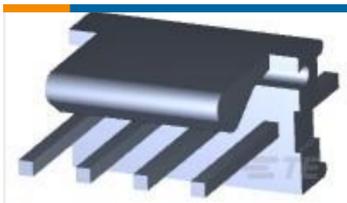
TE Part #5103309-5
A/L LOW PRO HDR 20P VERT BLACK



TE Part #3-641215-3
03P MTA100 HDR ASSY FL /ST 30AU



TE Part #3-641215-2
02P MTA100 HDR ASSY FL /ST 30AU



TE Part #3-641215-4
04P MTA100 HDR ASSY FL
/ST 30AU



TE Part #5-146280-3
03 MODII HDR SRST B/A .
100CL

Documents

Product Drawings

[A/L LOW PRO HDR 14P VERT BLACK](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_5103309-2_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_5103309-2_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5103309-2_B.3d_stp.zip](#)

English

Datasheets & Catalog Pages

[Ribbon Cable Interconnect Solutions](#)

English

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION5](#)

English

Product Specifications

[Product Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English

Agency Approvals

[Agency Approval Document](#)

English