



TE Internal #: 2820350-2
INTERNAL Mini-SAS HD Cable Assembly, 16 Positions, 1.64 ft [.5 m], 12 Gb/s, Black Cable, 30 AWG, .051 mm², Discrete Pairs, INTERNAL Mini-SAS HD Plug
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Cable Assemblies > Copper Cable Assemblies > Pluggable I/O Cable Assemblies



Cable Assembly Type: INTERNAL Mini-SAS HD
Wire Size: .051 mm²
Outside Cable Diameter: 1.02 mm, 1.68 mm [.04 in, .066 in]
Cable Assembly Length: .5 m [1.64 ft]

Features

Product Type Features

Cable Assembly Category	High Speed, Industry Standard
Cable Assembly Type	INTERNAL Mini-SAS HD
Connector Type (End A)	INTERNAL Mini-SAS HD Plug
Connector Type (End B)	INTERNAL Mini-SAS HD Plug
Cable Style	Discrete Pairs

Configuration Features

Number of Positions	16
Number of Pairs	8
Number of Signal Positions	16

Electrical Characteristics

Impedance	100 Ω
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Signal Characteristics

Data Rate	12 Gb/s
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Body Features

Cable Color	Black
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Cable Flammability Rating	VW-1
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Dimensions

Wire Size	.051 mm²
Outside Cable Diameter	1.02 mm, 1.68 mm[.04 in][.066 in]

Operation/Application

Halogen Free	Yes
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Other

Cable Assembly Configuration	Double Ended
Cable Assembly Length	.5 m[1.64 ft]

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 2023 (235) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

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 Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) ‘Guidance on requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts





TE Part # 2170563-1
12G SAS RECEPTACLE, 29 POS



TE Part # 2227640-1
1X2 VERT ASSY, MINI SAS HD INTERNAL

Customers Also Bought



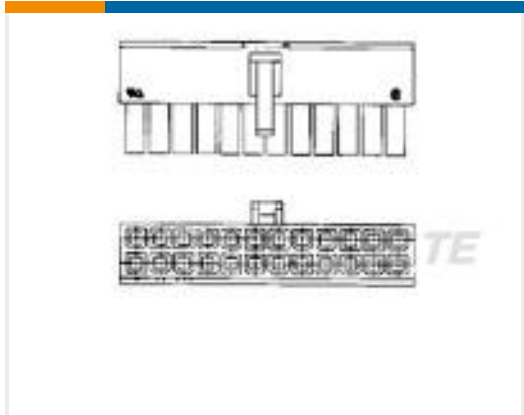
TE Part #1-1609034-2
6VSB1=F8330



TE Part #2138853-1
WIRE EXIT COVER, AMPSEAL 16 HL



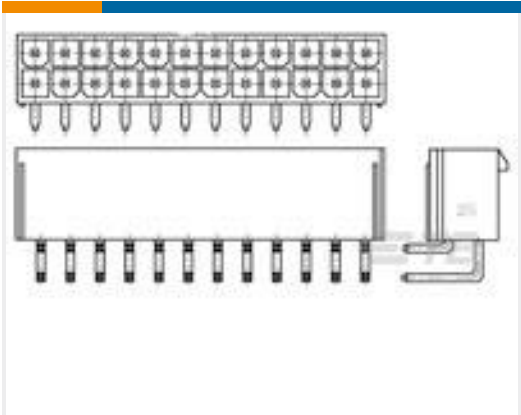
TE Part #794617-4
4POS,MICRO MNL,RCPT HSG



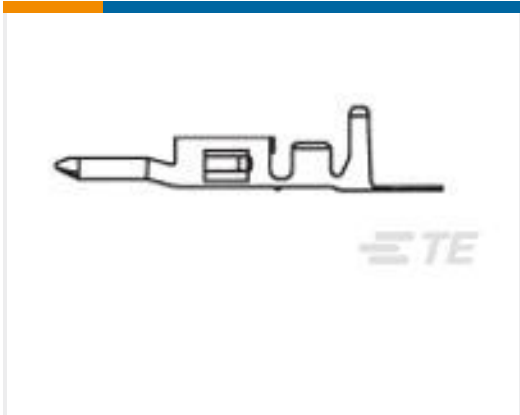
TE Part #794954-2
2P RCPT VAL-U-LOK V2



TE Part #1-794612-0
PIN CONT 20-24 TIN PLATE L/P



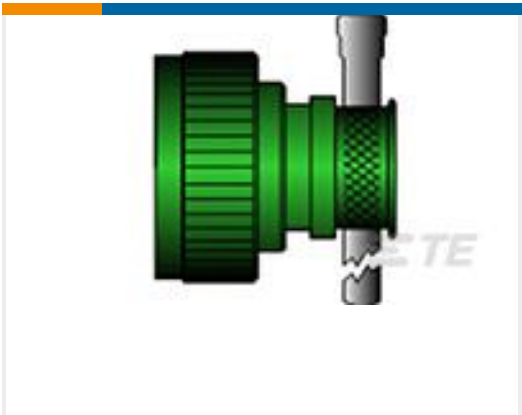
TE Part #1586041-2
2P VAL-U-LOK R/A HDR V2



TE Part #1586316-1
VAL-U-LOK PIN BR SN 26-22 LP



TE Part #696471-1
PIDG 22-16 L SPG SPD 10,BLUE



TE Part #CW4465-000
R85049/82-14N02



TE Part #1010225-F

Documents

Product Drawings
C/A, INTERNAL HD MINI SAS, 100 OHM, STR
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_2820350-2_C.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_2820350-2_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2820350-2_C.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English