2820350-4 ✔ ACTIVE

TE Internal #: 2820350-4

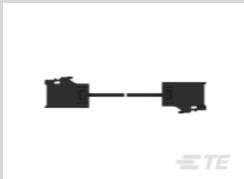INTERNAL Mini-SAS HD Cable Assembly, 16 Positions, 1 m [3.281 ft], 12 Gb/s, Black Cable, 30 AWG, .051 mm², Discrete Pairs, INTERNAL Mini-SAS HD Plug

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Cable Assemblies > Copper Cable Assemblies > Pluggable I/O Cable Assemblies

Cable Assembly Type: INTERNAL Mini-SAS HD

Cable Assembly (End A):   INTERNAL Mini-SAS HD Plug

Cable Assembly (End B):   INTERNAL Mini-SAS HD Plug

Wire Size: .051 mm²

Features

Product Type Features

Cable Assembly Category	High Speed, Industry Standard
Cable Assembly Type	INTERNAL Mini-SAS HD
Cable Assembly (End A)	INTERNAL Mini-SAS HD Plug
Cable Assembly (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

Signal Characteristics

Data Rate	12 Gb/s

Body Features

Cable Color	Black

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INTERNAL Mini-SAS HD Cable Assembly, 16 Positions, 1 m [3.281 ft], 12 Gb/s, Black
Cable, 30 AWG, .051 mm², Discrete Pairs, INTERNAL Mini-SAS HD Plug

Cable Flammability Rating	VW-1

Dimensions

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

Operation/Application

Halogen Free	Yes

Other

Cable Assembly Configuration	Double Ended
Cable Assembly Length	1 m[3.281 ft]

Product Compliance

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

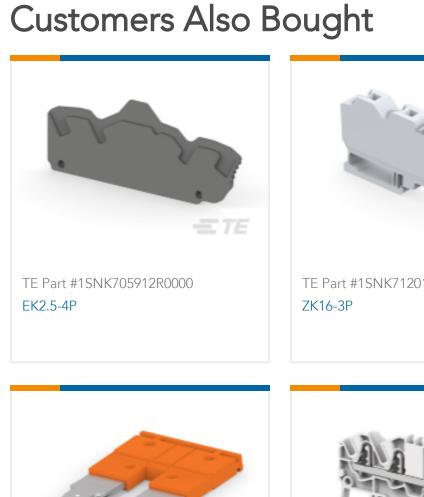|	
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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 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.

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INTERNAL Mini-SAS HD Cable Assembly, 16 Positions, 1 m [3.281 ft], 12 Gb/s, Black Cable, 30 AWG, .051 mm², Discrete Pairs, INTERNAL Mini-SAS HD Plug

Compatible Parts

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

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

Customers Also Bought

TE Part #1SNK705912R0000
EK2.5-4P

TE Part #1SNK712011R0000
ZK16-3P

TE Part #1SNK712151R0000
ZK16-PE-3P

TE Part #1SNK900002R0000
BAZ1

TE Part #1SNK912302R0000
JB12-2

TE Part #1SNK705012R0000
ZK2.5-4P

TE Part #1SNK706410R0000
ZK2.5-SF

TE Part #1SNK712021R0000
ZK16-3P-BL

TE Part #294645-E
SRCP 2,54 2 M 1 SMD 137 E1 094 * GU-H *

TE Part #364198-E
SRCBUG A 2,54 2 2 CSI 112 E1 ADV TRAY J

Documents

Product Drawings

C/A, INTERNAL HD MINI SAS, 100 OHM, STR

English

CAD Files

3D PDF

3D

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INTERNAL Mini-SAS HD Cable Assembly, 16 Positions, 1 m [3.281 ft], 12 Gb/s, Black
Cable, 30 AWG, .051 mm², Discrete Pairs, INTERNAL Mini-SAS HD Plug

Customer View Model

ENG_CVM_CVM_2820350-4_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2820350-4_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2820350-4_C.3d_stp.zip

English

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Product Specifications

Product Specification

English