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Part Number: [0687820002](#)
Status: **Active**
Overview: [serial ata products](#)
Description: External Serial ATA-to-External Serial ATA Cable Assembly, Straight Overmold, 2.0m (6.56') Cable Length

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Cable Assemblies
Series	68782
Connector to Connector	eSATA-to-eSATA
Overview	serial ata products
Product Name	External Serial ATA, Serial ATA

Physical

Cable Length	2.0m (6.56')
Circuits (Loaded)	7
Gender	Plug
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Packaging Type	Bag
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Plating min: Mating (µin)	2
Plating min: Mating (µm)	0.05
Plating min: Termination (µin)	50.8
Plating min: Termination (µm)	1.27
Single Ended	No
Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No
Wire Insulation Diameter	1.13±0.05MM
Wire Size AWG	26
Wire/Cable Type	Twin-ax

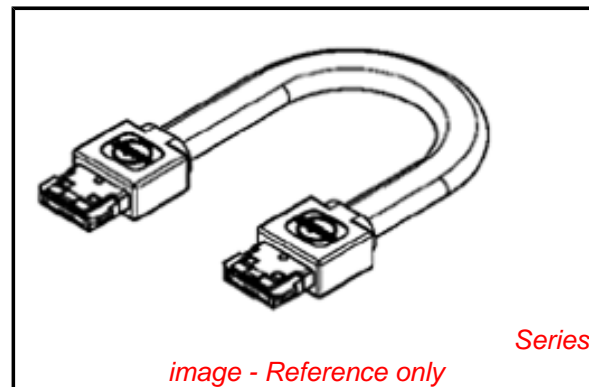
Electrical

Current - Maximum per Contact	0.5A
Impedance	100 ohms
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	15V DC

Material Info

Reference - Drawing Numbers

Sales Drawing	SD-68782-001
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EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Not Reviewed**
**Halogen-Free
Status
Not Reviewed**

China RoHS

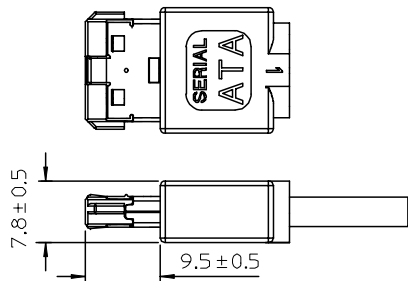
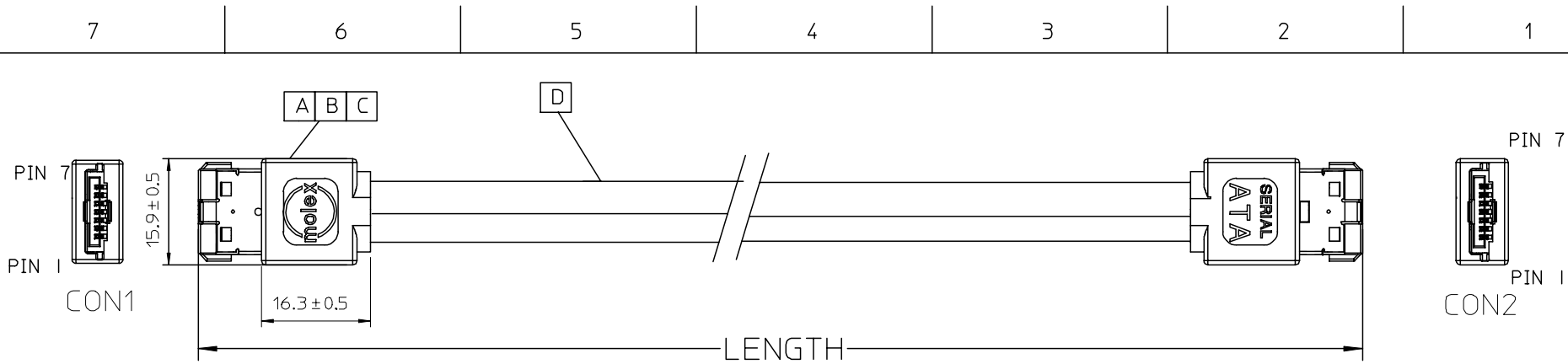


**Need more information on product
environmental compliance?**

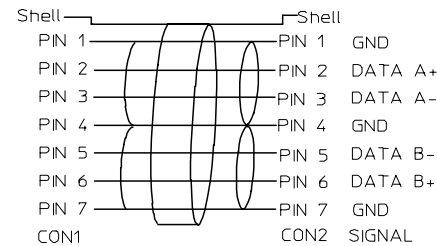
Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[68782Series](#)



WIRE CHART



NOTE:

1. INNERMOLD AND OVMROLD WITH PVC RESIN 887800019.
2. ELECTRICAL PERFORMANCE REFER TO MOLEX ES-005 S-ATA
 - 1).DIELECTRIC STRENGTH
 - 2).INSULATION RESISTANCE
 - 3).CONDUCTIVE RESISTANCE
 - 4).DIFFERENTIAL IMPEDANCE
 - 5).DIFFERENTIAL SIGNAL CROSSTALK:NEXT
 - 6).RISETIME
 - 7).DIFFERENTIAL SIGNAL INTRA-PAIR SKEW
 - 8).ATTENUATION
- 3.THIS PRODUCT MUST MEET MOLEX ROHS COMPLIANCE.

68782-0002	2000±40
68782-0001	1000±20
MOLEX P/N	LENGTH (MM)

D	EXTERNAL ATA CABLE RFQ: 172001285	SEE TABLE
C	EXTERNAL ATA TOP SHELL 47078-0004	2
B	EXTERNAL ATA BOTTOM SHELL 47078-0003	2
A	EXTERNAL ATA HOUSING ASS'Y 47078-0001	2
ITEM	DESCRIPTION	QTY.

ENTER DESCRIPTION EC NO: DG2008-0027 DRWN: JFZHENG 2007/10/22 CHKD: XIE HUI 2007/10/24 APPR: BLAU 2007/10/24	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
			mm	INCH	DRAWN BY JFZHENG	DATE 2007/09/26	TITLE EXTERNAL S-ATA TO EXTERNAL S-ATA				
		4 PLACES	±---	±---	CHECKED BY XIE HUI	DATE 2007/09/26	MOLEX INCORPORATED				
		3 PLACES	±---	±---	APPROVED BY BENTZ LIU	DATE 2007/09/26					
2 PLACES	±---	±---	MATERIAL NO. See table		DOCUMENT NO. SD-68782-001	SHEET NO. 1 OF 1					
1 PLACE	±---	±---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
ANGULAR ±---°											