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Part Number: [0687820001](#)
Status: **Active**
Overview: [serial_ata_products](#)
Description: External Serial ATA-to-External Serial ATA Cable Assembly, Straight Overmold, 1.0m (3.28') Cable Length

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-68782-001 \(PDF\)](#)

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	1.0m (3.28')
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

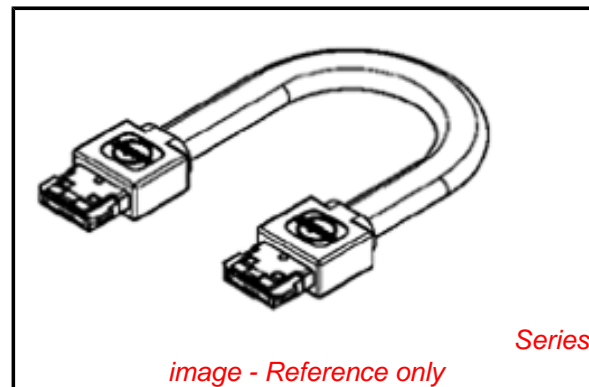
Electrical

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

Material Info

Reference - Drawing Numbers

Product Specification	PS-68782-001
Sales Drawing	CAT-68782-01, SD-68782-001



EU RoHS

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

China RoHS



Not Reviewed

Need more information on product environmental compliance?

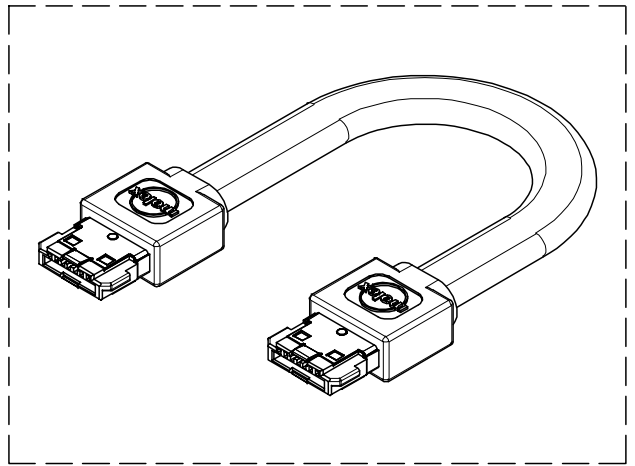
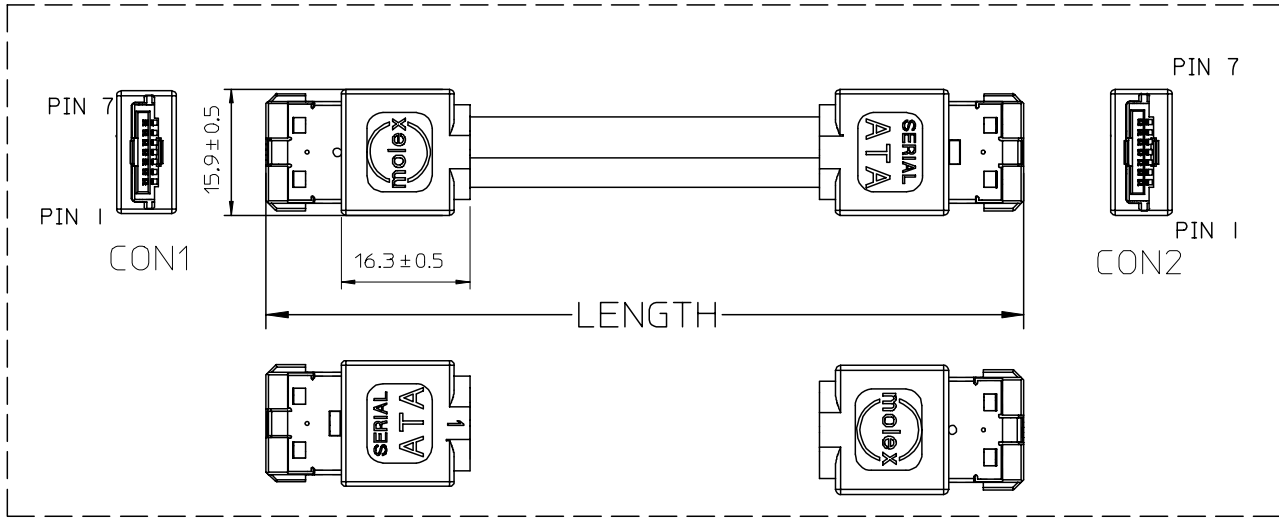
Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

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

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

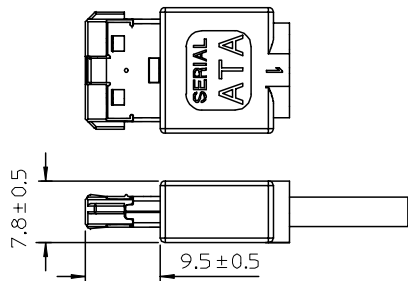
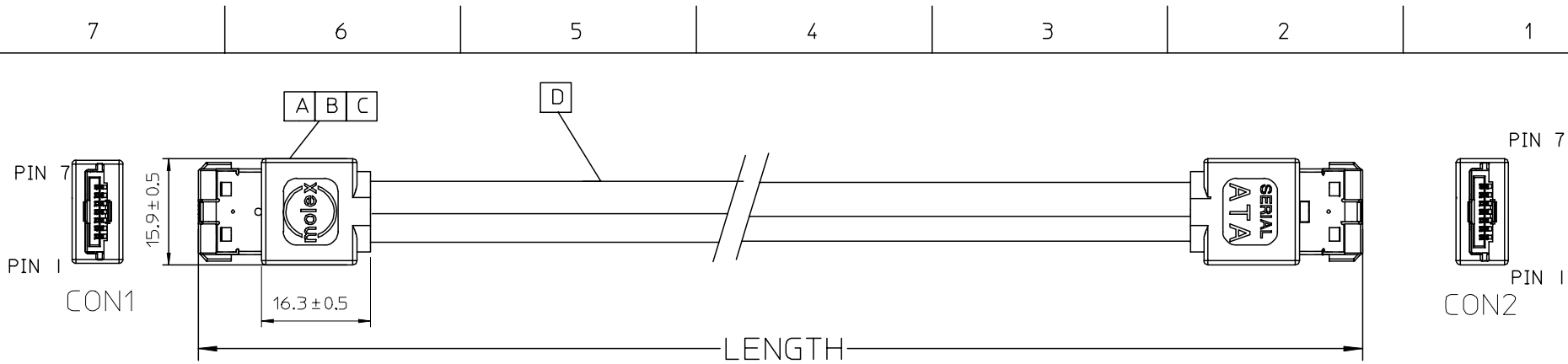
7 6 5 4 3 2 1

E
D
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B
A

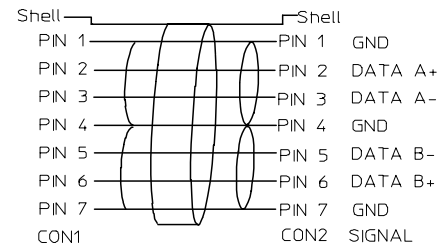


ENTER DESCRIPTION EC NO: DG2008-0027 DRWN: JFZHENG 2007/10/22 CHKD: XIE HUI 2007/10/24 APPR: BLAU 2007/10/24	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
		4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE		
		3 PLACES	± ---	± ---	JFZHENG	2007/09/26	EXTERNAL S-ATA TO EXTERNAL S-ATA		
		2 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED		
1 PLACE	± ---	± ---	XIE HUI	2007/09/26	MATERIAL NO.				
ANGULAR ± --- °		APPROVED BY		DATE	DOCUMENT NO.			SHEET NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		BENTZ LIU		2007/09/26	68782-00-01/02		CAT-68782-01	1 OF 1	
SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

6 5 4 3 2 1



WIRE CHART



- NOTE:
- INNERMOLD AND OVMROLD WITH PVC RESIN 887800019.
 - ELECTRICAL PERFORMANCE REFER TO MOLEX ES-005 S-ATA
 - DIELECTRIC STRENGTH
 - INSULATION RESISTANCE
 - CONDUCTIVE RESISTANCE
 - DIFFERENTIAL IMPEDANCE
 - DIFFERENTIAL SIGNAL CROSSTALK:NEXT
 - RISETIME
 - DIFFERENTIAL SIGNAL INTRA-PAIR SKEW
 - ATTENUATION
 - 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	
		4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±--- ±--- 1 PLACE ±--- ±--- ANGULAR ±---°	DRAWN BY JFZHENG	DATE 2007/09/26	TITLE EXTERNAL S-ATA TO EXTERNAL S-ATA		MOLEX INCORPORATED		MATERIAL NO. See table
A	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE 		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			