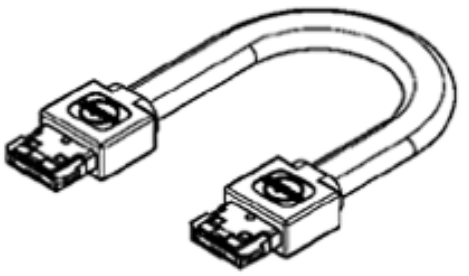
This document was generated on 05/25/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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



Series image - Reference only

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

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

China RoHS

Need more information on product environmental compliance?

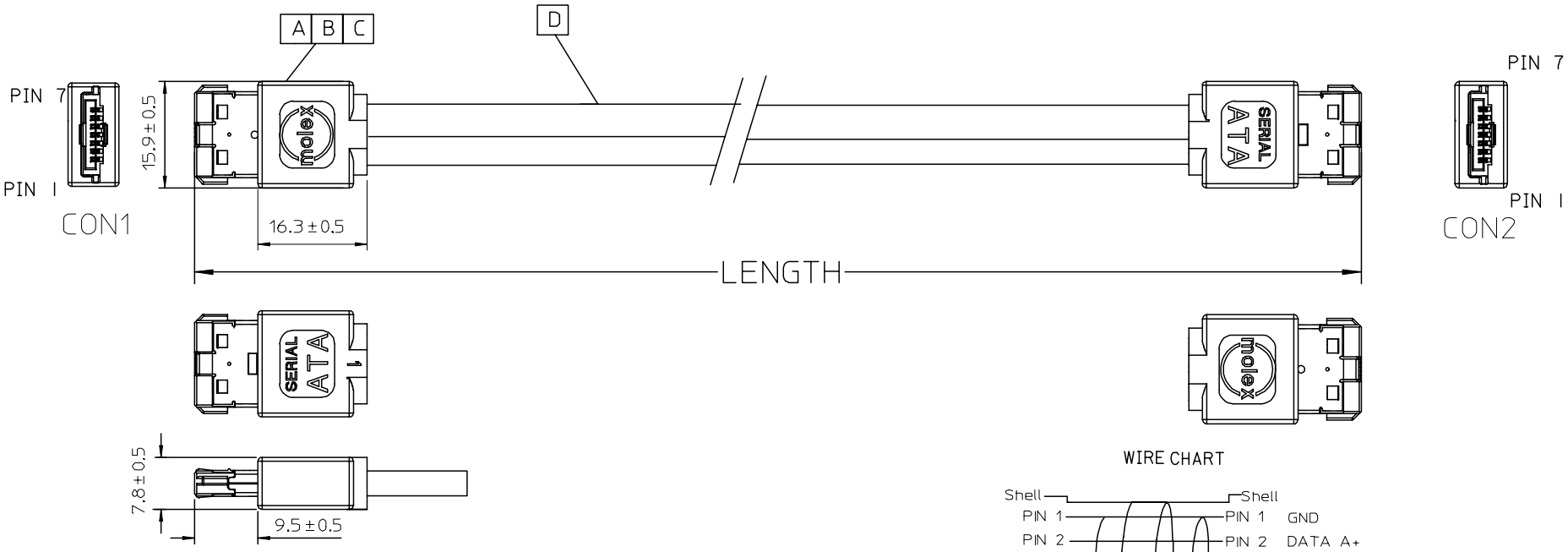
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

Please visit the Contact Us section for any non-product compliance questions.

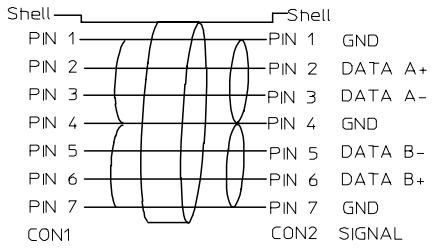
Search Parts in this Series
68782Series

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WIRE CHART



NOTE:
1. INNERMOLD AND OVEMROLD 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.

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

ITEM	DESCRIPTION	QTY.
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

ENTER DESCRIPTION
EC NO: DG2008-0027 2007/10/22
DRWN: JFZHENG 2007/10/24
CH'KD: XIE HUI 2007/10/24
APPR: BLAU
DESCRIPTION
A
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: ---
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: JFZHENG DATE: 2007/09/26
CHECKED BY: XIE HUI DATE: 2007/09/26
APPROVED BY: BENTZ LIU DATE: 2007/09/26
MATERIAL NO.: See table

TITLE: EXTERNAL S-ATA TO EXTERNAL S-ATA

MOLEX INCORPORATED

DOCUMENT NO.: SD-68782-001
SHEET NO.: 1 OF 1
SIZE: A4

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