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Part Number: **0887505318**
Status: **Active**
Overview: serial_ata_products
Description: 1.27mm (.050") Pitch Serial ATA Straight-to-Straight Signal Cable Assembly, 0.50m (1.64') Length, Red, Leadfree

Documents:

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

General

Product Family	Cable Assemblies
Series	88755
Comments	Generation 2 (300 MB/s)
Connector to Connector	Serial ATA-to-Serial ATA
Overview	serial_ata_products
Product Name	Serial ATA

Physical

Cable Length	0.50m (1.64')
Circuits (Loaded)	7
Color - Resin	Black, Natural
Gender	Female-Female
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Resin	Low Density Polyethylene, Polyester
Packaging Type	Bag
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Single Ended	No
Termination Interface: Style	Surface Mount
Wire Insulation Diameter	N/A
Wire Size AWG	26
Wire/Cable Type	PVC

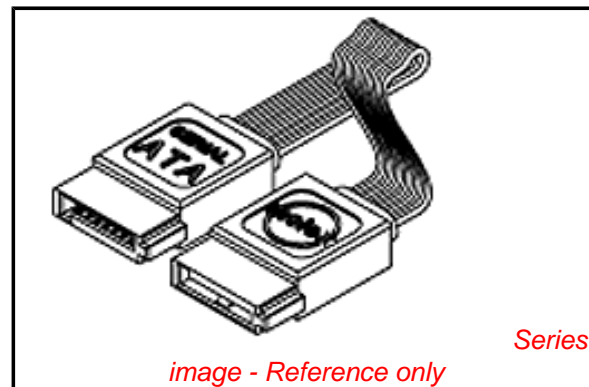
Electrical

Current - Maximum per Contact	1.5A
Impedance	100 ohms
Shielded	Yes
Voltage - Maximum	40V

Material Info

Reference - Drawing Numbers

Sales Drawing	SD-88750-5318
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EU RoHS

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

China RoHS



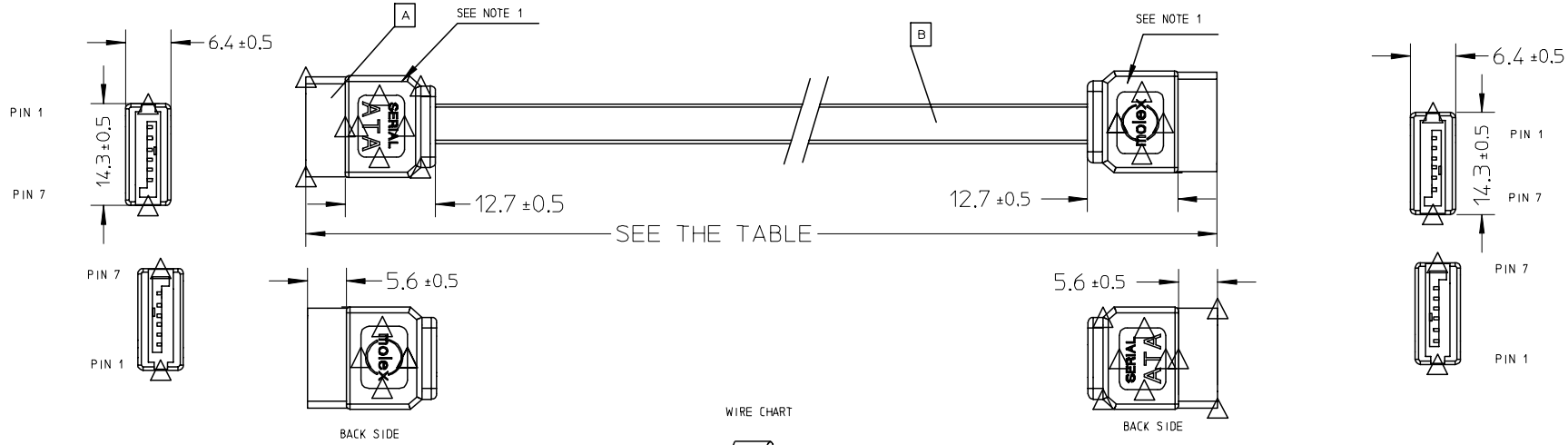
Need more information on product environmental compliance?

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
 88755Series

7 6 5 4 3 2 1



WIRE CHART

PIN 1	PIN 1	GRN
PIN 2	PIN 2	DATA A+
PIN 3	PIN 3	DATA A-
PIN 4	PIN 4	GND
PIN 5	PIN 5	DATA B-
PIN 6	PIN 6	DATA B+
PIN 7	PIN 7	GND
CON1	CON2	SIGNAL

Molex P/N	Length (mm)	Raw Cable P/N	Description
887505418	1000 +/- 20	887808052	SATA SIGNAL CABLE, 1.0m RED
887505410	1000 +/- 20	887808051	SATA SIGNAL CABLE, 1.0m GREY
887505400	1000 +/- 20	887808404	SATA SIGNAL CABLE, 1.0m RED

B	S-ATA DATA CABLE (SEE THE TABLE)	N/A	1
A	CONNECTOR GOLD PLATING 674898002		2
ITEM	DESCRIPTION	L (MM)	QTY

NOTE:
 1. OUTER MOLD WITH BLACK PVC RESIN 887800019.
 INNER MOLD WITH PE RESIN 887800008,
 2. ELECTRICAL PERFORMANCE:
 ALL TEST DUABILITY: 0.01 SEC.
 2.1. DIELECTRONIC STRENGTH: 500V DC.
 2.2. INSULATION RESISTANCE: 100M OHMS MIN.
 2.3. CONDUCTIVE RESISTOR: 2 OHMS MAX.

ENTER DESCRIPTION	DESCRIPTION
EC NO: DG2005-0120	
DRWN: JLIU13 2005/03/31	
CHKD: 2005/03/31	
APPR: TKAN 2005/04/01	
REV	

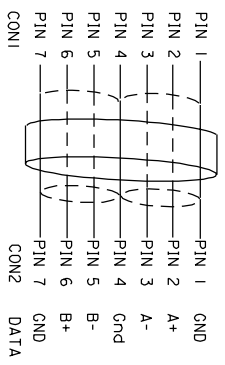
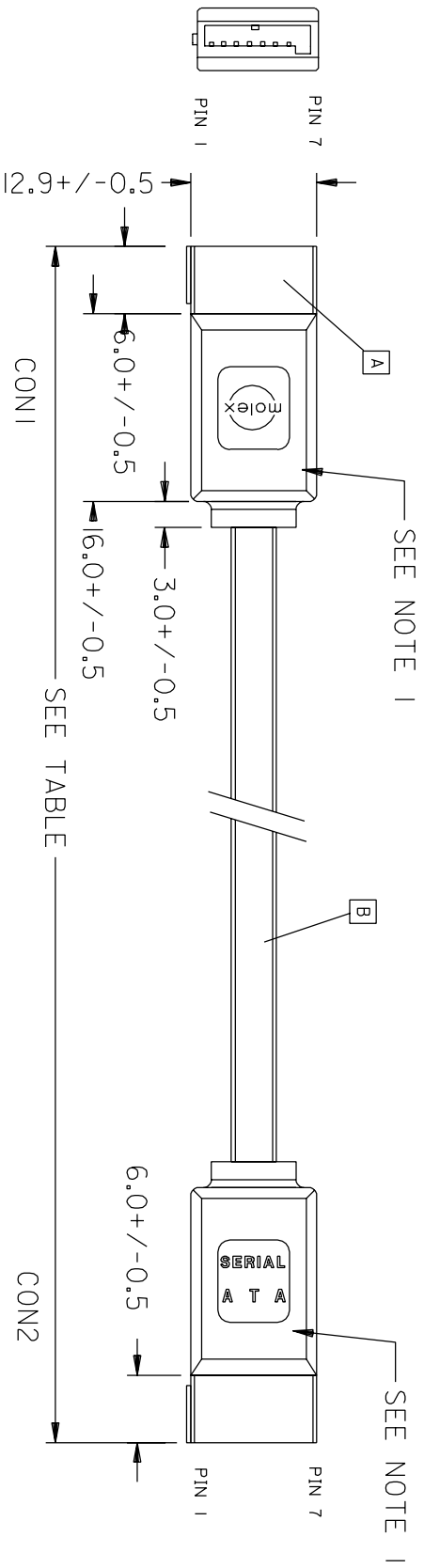
QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm INCH
4 PLACES	± --- ± ---
3 PLACES	± --- ± ---
2 PLACES	± --- ± ---
1 PLACE	± --- ± ---
ANGULAR ± --- °	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
JLIU13	2005/03/24
CHECKED BY	DATE
TEDDY	2005/03/24
APPROVED BY	DATE
BORON	2005/03/24
MATERIAL NO.	
887505418	
SIZE	
A/4	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
---	METRIC	
TITLE		
S-ATA RED 1.0M CABLE ASS'Y		
molex MOLEX INCORPORATED		
DOCUMENT NO.	SHEET NO.	
SD-88750-5418	1 OF 1	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

6 5 4 3 2 1

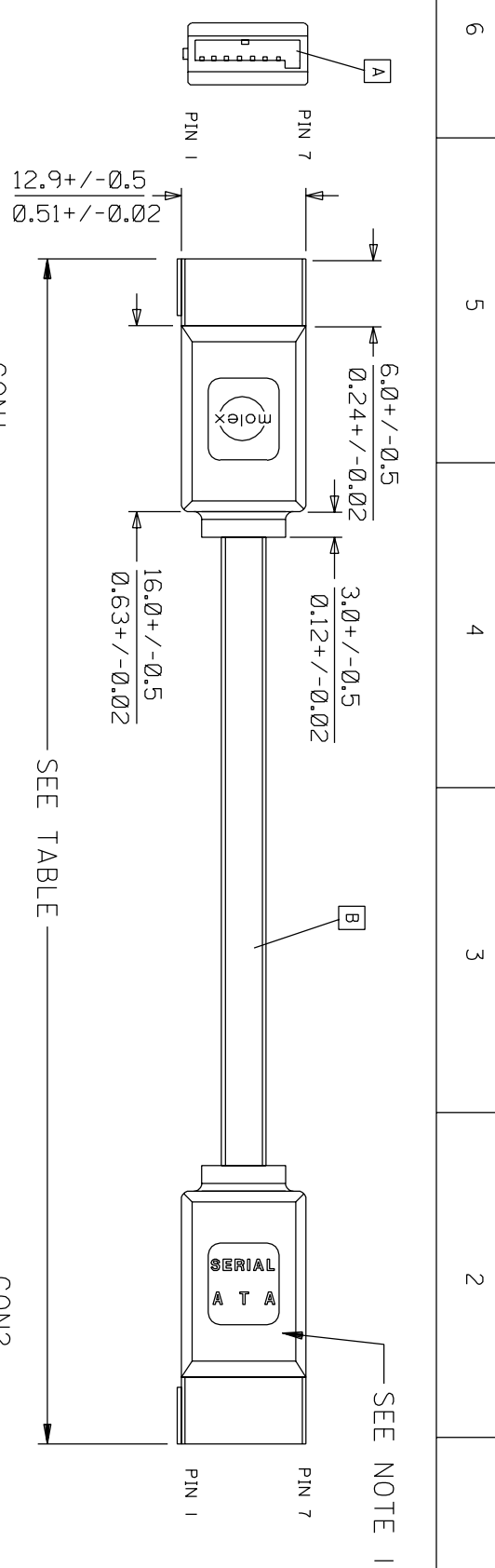


NOTE:
 PHYSICAL
 1. INNER MOLD WITH PE RESIN 887800008;
 OUTER MOLD WITH BLACK PVC RESIN 887800019.
 ELECTRICAL PERFORMANCE:
 2. DIELECTRIC STRENGTH: 500V DC
 3. INSULATION RESISTANCE: 100M OHMS
 4. CONDUCTIVE RESISTOR: 2 OHMS

887505418	1000+/-20	887808052	S-ATA SIGNAL CABLE, 1.0M RED;
887505318	500+/-10	887808052	S-ATA SIGNAL CABLE, 0.5M RED;
MAT. NO.	LENGTH(MM)	CABLE P/N	DESCRIPTION

B	S-ATA SIGNAL CABLE RED 887808052	SEE TABLE
A	CONNECTOR 675380001	2
ITEM	DESCRIPTION	QTY.

REV	DESCRIPTION	QUALITY SYMBOLS		GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE	DESIGN UNITS	DRAWN BY & DATE	CHECKED BY & DATE	APPROVED BY & DATE	CAD FILENAME	MATERIAL NO.	DRAWING NO.	SHEET NO.	REV
		MAJOR	MINOR	MM	INCH										
A	EC NO. DRWN: BENTZ 03/01/08 CH'K: APPR:	CRITICAL		±0.1	±0.05	1:1	MM	BENTZ 03/01/08	Tony Wong 03/01/08	Tony Wong 03/01/08	S88755AD.S001	MOLEX INCORPORATED	SD-88755-004	1 OF 1	A4



NOTE:
 PHYSICAL
 1. INNER MOLD WITH PE RESIN 887800008;
 OUTER MOLD WITH BLACK PVC RESIN 887800019.
 ELECTRICAL PERFORMANCE:
 2. DIELECTRONIC STRENGTH: 500V DC
 3. INSULATION RESISTANCE: 100M OHMS Min.
 4. CONDUCTIVE RESISTOR: 2 OHMS Max.

WIRE CHART

PIN 1	---	PIN 1	---	GND
PIN 2	---	PIN 2	---	A+
PIN 3	---	PIN 3	---	A-
PIN 4	---	PIN 4	---	Gnd
PIN 5	---	PIN 5	---	B-
PIN 6	---	PIN 6	---	B+
PIN 7	---	PIN 7	---	GND

MOLEX NO.	LENGTH(MM)	LENGTH(INCH)	887808052	887808052	S-A-TA SIGNAL CABLE, 1.0M RED;	S-A-TA SIGNAL CABLE, 0.5M RED;	DESCRIPTION	ITEM	DESCRIPTION	QUANTITY
887505418	1000+/-20	40+/-0.8	887808052	887808052	SEE TABLE	SEE TABLE	1 PCS	B	S-A-TA SIGNAL CABLE RED 887808052	1 PCS
887505318	500+/-10	20+/-0.4	887808052	887808052	SEE TABLE	SEE TABLE	2 PCS	A	CONNECTOR 675380001	2 PCS

REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES: (UNLESS SPECIFIED)	SCALE	DESIGN UNITS	TITLE:	DIMENSIONS:	SHT	REV
B	EC NO. DRWN: Louis 04/03/17 CH'K: APPR:	MAJOR = 0 CRITICAL = 0	MM INCH ± ± ± ± ± ± ± ± ANGULAR: ± °	DRAWN BY & DATE BENTZ 03/01/08	<input checked="" type="checkbox"/> MM <input type="checkbox"/> INCH	S-A-TA STRAIGHT TO STRAIGHT SIGNAL CBL RED, 0.5M, 1.0M	<input checked="" type="checkbox"/> MM <input type="checkbox"/> INCH <input type="checkbox"/> MM ONLY	SD-88755-004	1 OF 1
A	EC NO. DRWN: BENTZ 03/01/08 CH'K: APPR:			CHECKED BY & DATE Tony Wong 03/01/08		MOLEX INCORPORATED			