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Part Number: [0685610017](#)
Status: **Active**
Overview: serial_ata_products
Description: 1.27mm (.050") Pitch Serial ATA Straight Latching-to-Right Angle Latching Signal Cable Assembly, 1.0m (3.28') Length, Red, Leadfree

Documents:

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

General

Product Family	Cable Assemblies
Series	68561
Comments	Generation 2 (300MB/s)
Connector to Connector	Serial ATA-to-Serial ATA
Overview	serial_ata_products
Product Name	Serial ATA

Physical

Cable Length	1.0m (3.28')
Circuits (Loaded)	7
Color - Resin	Black, Natural
Gender	Female-Female
Lock to Mating Part	Yes
Material - Metal	Stainless Steel
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

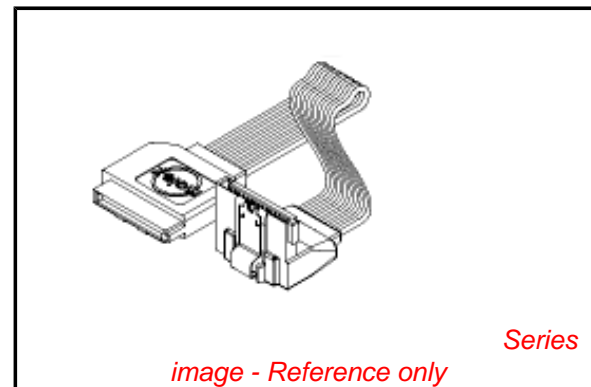
Electrical

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

Material Info

Reference - Drawing Numbers

Sales Drawing SD-68561-0017, SD-68561-002



EU RoHS

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

China RoHS



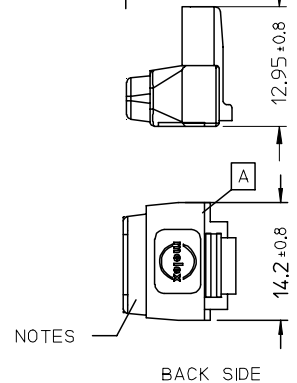
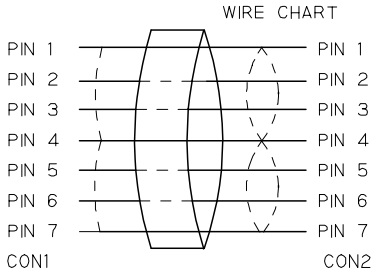
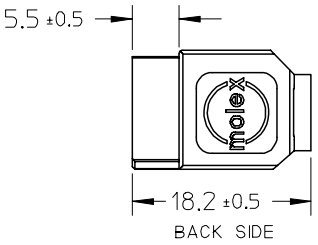
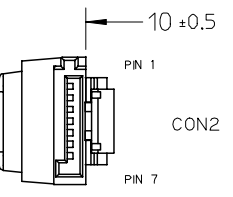
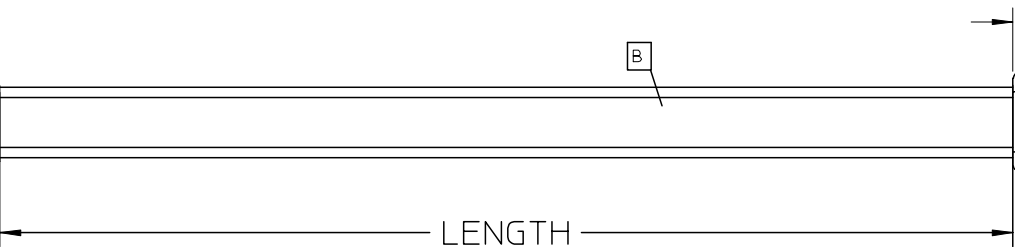
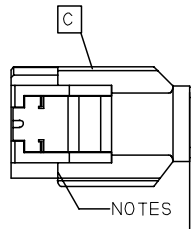
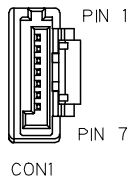
**Need more information on product
environmental compliance?**

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
 68561Series

7 6 5 4 3 2 1



NOTE:
 PHYSICAL
 1. OUTER MOLD WITH BLACK PVC RESIN 887800042.
 INNER MOLD WITH PE RESIN 887800008.
 ELECTRICAL PERFORMANCE:
 2. DIELECTRONIC STRENGTH:500V DC/0.01S.
 3. INSULATION RESISTANCE:100M OHMS MIN.
 4. CONDUCTIVE RESISTOR: 2 OHMS MAX.

MOLEX P/N	LENGTH (mm)	LENGTH (inch)	DESCRIPTION
68561-0017	1000+/-20	40.0+/-0.8	S-ATA LATCHING STRAIGHT TO R/A CABLE. RED
68561-0016	500+/-10	20.0+/-0.4	S-ATA LATCHING STRAIGHT TO R/A CABLE. RED

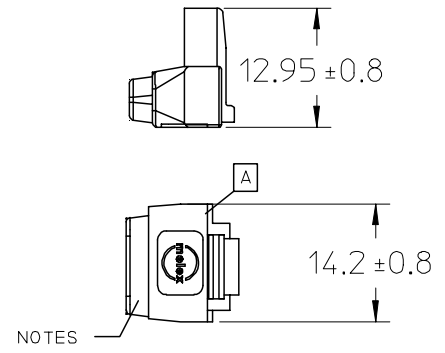
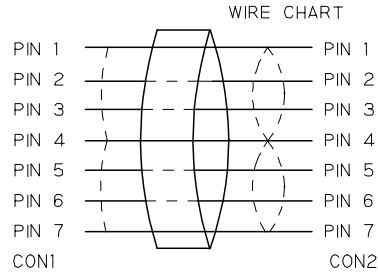
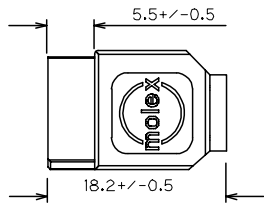
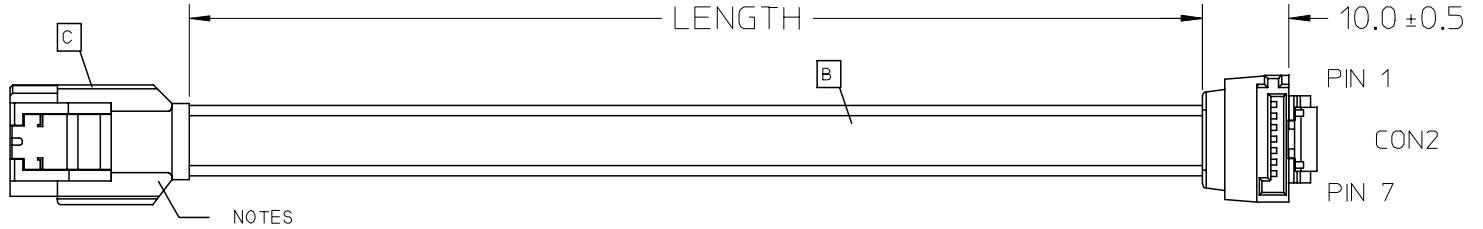
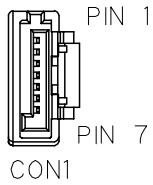
ITEM	DESCRIPTION	QTY.
C	S-ATA STRAIGHT CONN. 674899002	1
B	2PX26AWG S-ATA CABLE RED 887808052	1
A	S-ATA R/A CONN. 674890002	1

ENTER DESCRIPTION EC NO: DG2005-0125 DRWN: JLIU13 CHKD: TEDDY APPR: TKAN	2005/04/04 2005/04/04 2005/04/04	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
			▼=0 □=0	mm INCH	MM ONLY	---	METRIC	
			4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± ---	DRAWN BY: JLIU13 DATE: 2005/04/04 CHECKED BY: TEDDY DATE: 2005/04/04 APPROVED BY: BORON DATE: 2005/04/04	TITLE			
			ANGULAR ± ---° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.: 685610017 DOCUMENT NO.: SD-68561-0017 SHEET NO.: 1 OF 1	S-ATA STRAIGHT LATCHING TO R/A LATCHING SIGNAL CBL RED,0.5M,1.0M MOLEX INCORPORATED			

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

6 5 4 3 2 1

7 6 5 4 3 2 1



NOTE:
PHYSICAL

1. OUTER MOLD WITH BLACK PVC RESIN 887800042

ELECTRICAL PERFORMANCE:
2. DIELECTRONIC STRENGTH:500V DC
3. INSULATION RESISTANCE:100M OHMS
4. CONDUCTIVE RESISTOR: 2 OHMS

MOLEX P/N	LENGTH (mm)	LENGTH (inch)	DESCRIPTION
68561-0017	1000+/-20	40.0+/-0.8	S-ATA LATCHING STRAIGHT TO R/A CABLE. RED
68561-0016	500+/-10	20.0+/-0.4	S-ATA LATCHING STRAIGHT TO R/A CABLE. RED

ITEM	DESCRIPTION	L	QTY.
C	S-ATA STRAIGHT CONN. 674899002		1
B	2PX26AWG S-ATA CABLE RED 887808052	N/A	1
A	S-ATA R/A CONN. 674890002		1

ENTER DESCRIPTION EC NO: DG2005-0009 DRWN:GXYANG CHKD: APPR:BOCHEN	2004/08/11 2004/08/18 2004/08/18	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY GX YANG	DATE 04/08/10	TITLE S-ATA STRAIGHT LATCHING TO R/A LATCHING SIGNAL CBL RED,0.5M,1.0M				
			4 PLACES	±---	±---	CHECKED BY TEDDY	DATE 04/08/10					
			3 PLACES	±---	±---	APPROVED BY BORON	DATE 04/08/10	MOLEX INCORPORATED DOCUMENT NO. SD-68561-002 SHEET NO. 1 OF 1				
2 PLACES	±---	±---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
1 PLACE	±---	±---	ANGULAR ±---°		SIZE A/4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

6 5 4 3 2 1