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Part Number: [0685620002](#)
Status: **Active**
Overview: [picoflex](#)
Description: Serial Attached SCSI (SAS) 4X-to-4X SATA Internal Host Base Cable Assembly, with Sideband, 0.76m (2.50') Length

Documents:

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

General

Product Family	Cable Assemblies
Series	68562
Comments	Meets SAS Specification
Connector to Connector	SAS-to-Serial ATA
Overview	picoflex
Product Name	SAS

Physical

Cable Length	0.76m (2.50')
Circuits (Loaded)	32
Color - Resin	Natural
Gender	Female-Female
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Low Density Polyethylene
Packaging Type	Bag
Plating min: Mating (µin)	15.2
Plating min: Mating (µm)	0.38
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.25
Single Ended	No
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	N/A
Wire Size AWG	26
Wire/Cable Type	PVC

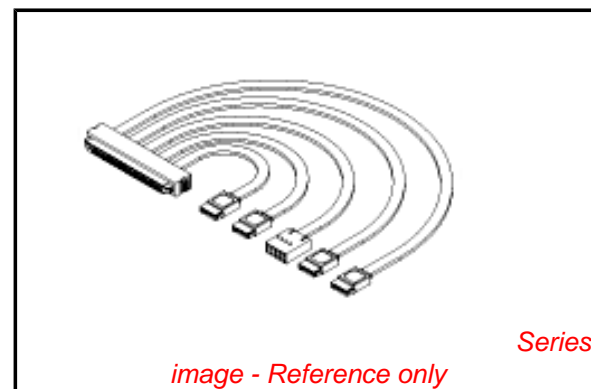
Electrical

Current - Maximum per Contact	1.5A
Impedance	100 ohms
Shielded	No
Voltage - Maximum	30V

Material Info

Reference - Drawing Numbers

Sales Drawing	SD-68562-002
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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](#)

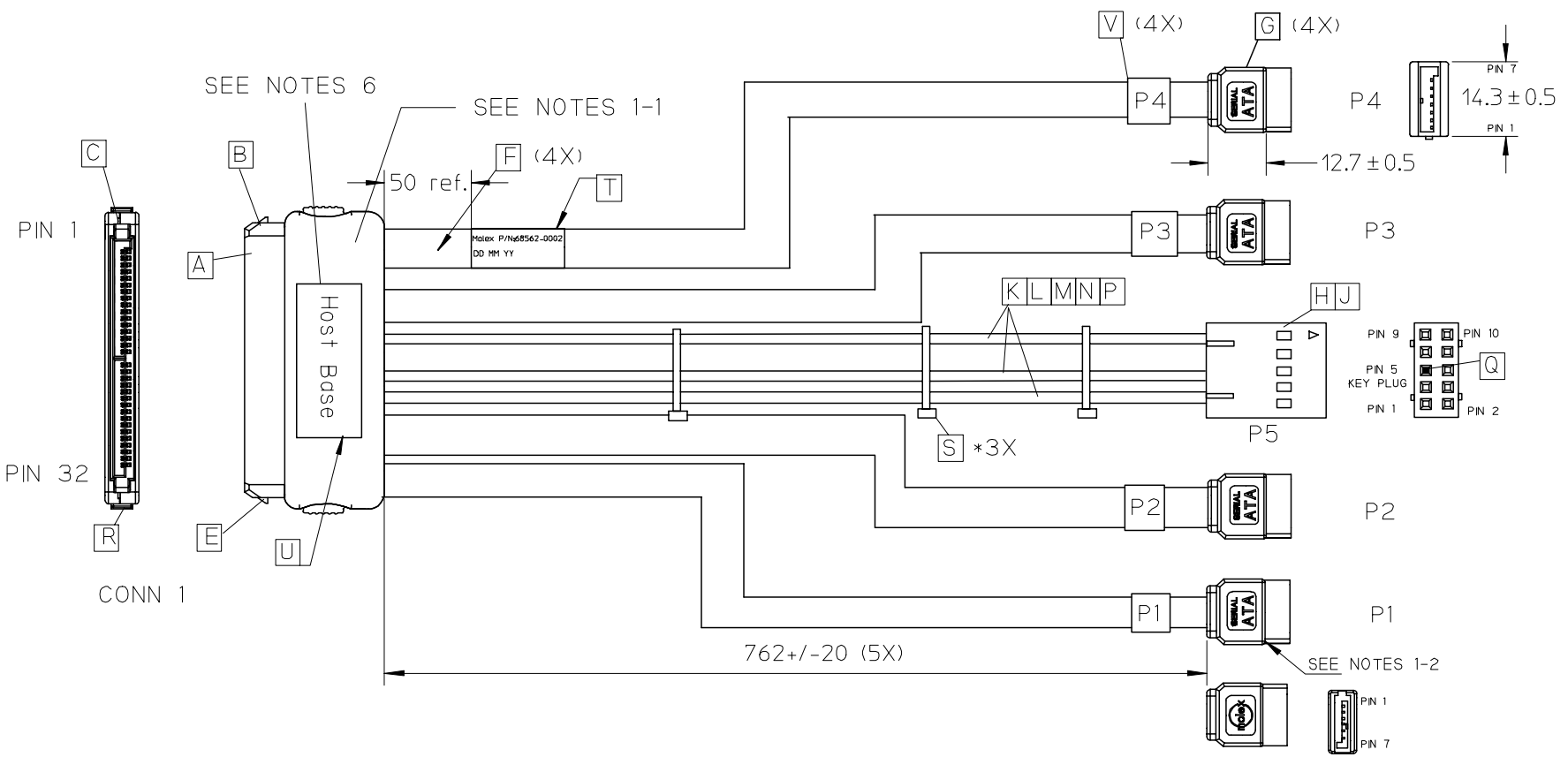
Please visit the [Contact Us](#) section for any
 non-product compliance questions.

Search Parts in this Series

[68562Series](#)

7 6 5 4 3 2 1

E
D
C
B
A



ENTER DESCRIPTION EC NO: DG2006-0039 DRWN: 2005/10/20 CHKD: 2005/10/20 APPR: DQLUO 2005/10/26 1 REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION															
	▽=0 ◻=0	<table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>3 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>2 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>1 PLACE</td> <td>±---</td> <td>±---</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±---	2 PLACES	±---	±---	1 PLACE	±---	±---	MM ONLY	---	METRIC	
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	ANGULAR ±1/2°	DRAWN BY DATE	TITLE																		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	PHZHU 2005/08/22	SAS 4I TO 4*SATA INTER HOST-BASE ANALYZER CABLE W/SB 2.5FT																		
		CHECKED BY DATE	MATERIAL NO. DOCUMENT NO. SHEET NO.																		
		ZXDENG 2005/08/22	685620002 SD-68562-002 1 OF 2																		
		APPROVED BY DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		
		DQLUO 2005/08/22																			

6 5 4 3 2 1

FUNCTION	CONN. 1	CONN.	FUNCTION
GND	PIN 1	P4-7	GND
RX0+	PIN 2	P4-6	TX+
RX0-	PIN 3	P4-5	TX-
GND	PIN 4	P4-4	GND
TX0-	PIN 5	P4-3	RX-
TX0+	PIN 6	P4-2	RX+
GND	PIN 7	P3-7,P4-1	GND
RX1+	PIN 8	P3-6	TX+
RX1-	PIN 9	P3-5	TX-
GND	PIN 10	P3-4	GND
TX1-	PIN 11	P3-3	RX-
TX1+	PIN 12	P3-2	RX+
GND	PIN 13	P3-1	GND
SCLOCK	PIN 14	P5-1	SCLOCK
SLOAD	PIN 15	P5-9	SLOAD
GND	PIN 16	P5-4	GND
GND	PIN 17		
SDOUT	PIN 18	P5-3	SDOUT
SDIN	PIN 19	P5-10	SDIN
GND	PIN 20	P2-7	GND
RX2+	PIN 21	P2-6	TX+
RX2-	PIN 22	P2-5	TX-
GND	PIN 23	P2-4	GND
TX2-	PIN 24	P2-3	RX-
TX2+	PIN 25	P2-2	RX+
GND	PIN 26	P1-7,P2-1	GND
RX3+	PIN 27	P1-6	TX+
RX3-	PIN 28	P1-5	TX-
GND	PIN 29	P1-4	GND
TX3-	PIN 30	P1-3	RX-
TX3+	PIN 31	P1-2	RX+
GND	PIN 32	P1-1	GND

PAIR 8 DRAIN WIRE
 PAIR 8 SIGNAL
 PAIR 8 SIGNAL
 PAIR 7 + PAIR 8 DRAIN WIRE
 PAIR 7 SIGNAL
 PAIR 7 SIGNAL
 PAIR 6 + PAIR 7 DRAIN WIRE
 PAIR 6 SIGNAL
 PAIR 6 SIGNAL
 PAIR 5 + PAIR 6 DRAIN WIRE
 PAIR 5 SIGNAL
 PAIR 5 SIGNAL
 PAIR 5 DRAIN WIRE
 YELLOW
 RED
 BLACK

 BLUE
 WHITE
 PAIR 4 DRAIN WIRE
 PAIR 4 SIGNAL
 PAIR 4 SIGNAL
 PAIR 3 + PAIR 4 DRAIN WIRE
 PAIR 3 SIGNAL
 PAIR 3 SIGNAL
 PAIR 2 + PAIR 3 DRAIN WIRE
 PAIR 2 SIGNAL
 PAIR 2 SIGNAL
 PAIR 1 + PAIR 2 DRAIN WIRE
 PAIR 1 SIGNAL
 PAIR 1 SIGNAL
 PAIR 1 DRAIN WIRE

- NOTES:
- 1-1 STRIAN RELIEF IN COVER SHOULD BE OVERMODLED WITH BLACK RESIN PVC, 887800042
 - 1-2 INNER MOLDING WITH 887800008 PE RESIN. OUTER MODLING WITH 887800019 PVC BLACK RESIN.
 2. DIELECTRONIC STRENGTH: 500V DC/0.01S
 3. INSULATION RESISTANCE: 100 MOHM Min.
 4. CONDUCTIVE RESISTOR: 2 OHM Max.
 5. PIN 16 AND PIN 17 OF CONN1 SHALL BE CONNECTED BY 887711800.
 6. DD PRESENTS THE DATE, MM PRESENTS THE MONTH, YY PRESENTS THE YEAR.
 7. THE MATERIAL MUST MEET MX ROHS REQUEST.

V	LABEL		4
U	LABEL 8878-04685		1
T	LABEL 8878-04731		1
S	CABLE TIE 887801030		3
R	YELLOW BOTTOM 47077-6001		2
Q	KEY PLUG BLACK 15-04-0292		1
P	UL1007 28AWG BLUE 887711806	787 ref.	1
N	UL1007 28AWG YELLOW 887711803	787 ref.	1
M	UL1007 28AWG WHITE 887711809	787 ref.	1
L	UL1007 28AWG RED 887711801	787 ref.	1
K	UL1007 28AWG BLACK 887711800	805 ref.	1
J	2.54mm PITCH CONTACT 016020082		5
H	2.54 mm PITCH HOUSING 022552103		1
G	S-ATA SIGNAL CONN. 674898002		4
F	2PX26AWG S-ATA RED CABLE 887808052	792 ref.	4
E	SPRING LATCH 47077-5011		1
C	UPPER AND LOWER COVER 17200-0329		1
B	SPRING LATCH 47077-5001		1
A	4 LANE CONN. 32P 47077-0021		1
ITEM	DESCRIPTION	L(MM)	QTY.

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