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Part Number:

0685620002

Status:

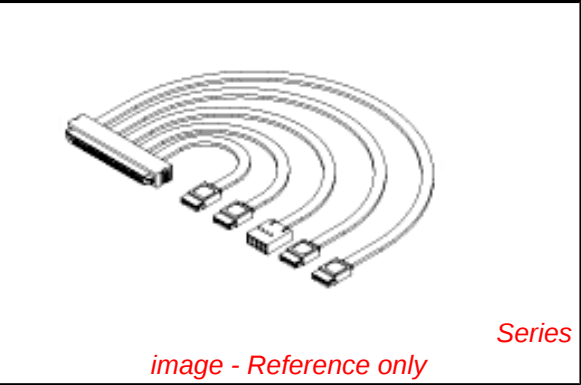
Active

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

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

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7 6 5 4 3 2 1

FUNCTION CONN. 1 CONN. FUNCTION WIRE

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.
- DIELECTRONIC STRENGTH: 500V DC/0.01S
- INSULATION RESISTANCE: 100 MOHM Min.
- CONDUCTIVE RESISTOR: 2 OHM Max.
- PIN 16 AND PIN 17 OF CONN1 SHALL BE CONNECTED BY 887711800.
- DD PRESENTS THE DATE, MM PRESENTS THE MONTH, YY PRESENTS THE YEAR.
- THE MATERIAL MUST MEET MX ROHS REQUEST.

V	LABEL 8878-04719		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.

ENTER DESCRIPTION EC NO: DG2006-0039 DRWN: 2005/10/20 CHKD: 2005/10/20 APPR: DQLUO 2005/10/26 REV 1		DESCRIPTION	QUALITY SYMBOLS ▽=0 ⌒=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY PHZHU		DATE 2005/08/22	TITLE SAS 4I TO 4*SATA INTER HOST-BASE ANALYZER CABLE W/SB 2.5FT			
				4 PLACES	± ---	± ---	CHECKED BY ZXDENG		DATE 2005/08/22				
				3 PLACES	± ---	± ---	APPROVED BY DQLUO		DATE 2005/08/22				
				2 PLACES	± ---	± ---	MOLEX MOLEX INCORPORATED						
				1 PLACE	± ---	± ---							
				ANGULAR ±1/2°			MATERIAL NO. 685600002		DOCUMENT NO. SD-68562-002		SHEET NO. 2 OF 2		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										