

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0685620014

Status:

Active

Overview:

[picoflex](#)

Description:

Serial Attached SCSI (SAS) 4X Straight Internal Host Cable Assembly, with Sideband, 1.01m (3.30')

Documents:

[Drawing \(PDF\)](#)

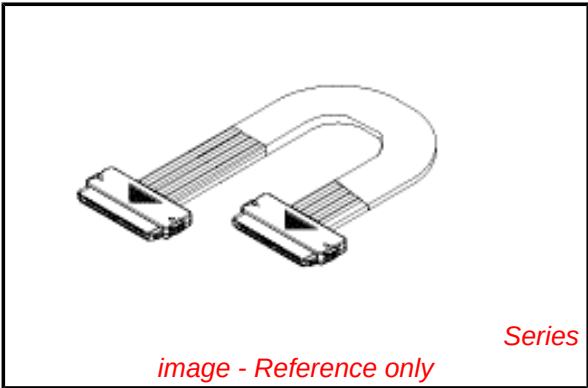
[RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	Cable Assemblies
Series	68562
Comments	Meets SAS Specification
Connector to Connector	SAS-to-SAS
Overview	picoflex
Product Name	SAS
Physical	
Cable Length	1.0m (3.28')
Circuits (Loaded)	32
Color - Resin	Black
Gender	Female-Female
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze, Stainless Steel
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Packaging Type	Bag
Plating min: Mating (µin)	15.2
Plating min: Mating (µm)	0.38
Plating min: Termination (µin)	80
Plating min: Termination (µm)	2
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	No
Voltage - Maximum	30V

Material Info

Reference - Drawing Numbers	
Sales Drawing	SD-68562-014



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](#)

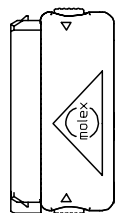
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[68562Series](#)

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FUNCTION	CONN. 1		CONN. 2	FUNCTION	WIRE
GND	PIN 32		PIN 1	GND	PAIR 1 DRAIN WIRE
TX3+	PIN 31		PIN 2	RX0+	PAIR 1 SIGNAL
TX3-	PIN 30		PIN 3	RX0-	PAIR 1 SIGNAL
GND	PIN 29		PIN 4	GND	PAIR 1+ PAIR 2 DRIAN WIRE
RX3-	PIN 28		PIN 5	TX0-	PAIR 2 SIGNAL
RX3+	PIN 27		PIN 6	TX0+	PAIR 2 SIGNAL
GND	PIN 26		PIN 7	GND	PAIR 2 + PAIR 3 DRAIN WIRE
TX2+	PIN 25		PIN 8	RX1+	PAIR 3 SIGNAL
TX2-	PIN 24		PIN 9	RX1-	PAIR 3 SIGNAL
GND	PIN 23		PIN 10	GND	PAIR 3 + PAIR 4 DRAIN WIRE
RX2-	PIN 22		PIN 11	TX1-	PAIR 4 SIGNAL
RX2+	PIN 21		PIN 12	TX1+	PAIR 4 SIGNAL
GND	PIN 20		PIN 13	GND	PAIR 4 + 6C DRAIN WIRE
SIDE BAND5	PIN 19		PIN 14	SIDE BAND0	BLACK
SIDE BAND4	PIN 18		PIN 15	SIDE BAND1	BROWN
SIDE BAND3	PIN 17		PIN 16	SIDE BAND2	RED
SIDE BAND2	PIN 16		PIN 17	SIDE BAND3	ORANGE
SIDE BAND1	PIN 15		PIN 18	SIDE BAND4	YELLOW
SIDE BAND0	PIN 14		PIN 19	SIDE BAND5	GREEN
GND	PIN 13		PIN 20	GND	6C + PAIR 5 DRAIN WIRE
TX1+	PIN 12		PIN 21	RX2+	PAIR 5 SIGNAL
TX1-	PIN 11		PIN 22	RX2-	PAIR 5 SIGNAL
GND	PIN 10		PIN 23	GND	PAIR 5 + PAIR 6 DRAIN WIRE
RX1-	PIN 9		PIN 24	TX2-	PAIR 6 SIGNAL
RX1+	PIN 8		PIN 25	TX2+	PAIR 6 SIGNAL
GND	PIN 7		PIN 26	GND	PAIR 6 + PAIR 7 DRAIN WIRE
TX0+	PIN 6		PIN 27	RX3+	PAIR 7 SIGNAL
TX0-	PIN 5		PIN 28	RX3-	PAIR 7 SIGNAL
GND	PIN 4		PIN 29	GND	PAIR 7 + PAIR 8 DRAIN WIRE
RX0-	PIN 3		PIN 30	TX3-	PAIR 8 SIGNAL
RX0+	PIN 2		PIN 31	TX3+	PAIR 8 SIGNAL
GND	PIN 1		PIN 32	GND	PAIR 8 DRAIN WIRE

NOTES:

1. STRIAN RELIEF IN COVER SHOULD BE OVERMODLED WITH BLACK RESIN PVC, 887800042.
2. DIELECTRONIC STRENGTH: 500V DC/0.01S
3. INSULATION RESISTANCE: 100 MOHM Min.
4. CONDUCTIVE RESISTOR: 2 OHM Max.
5. MATED CONNECTOR IMPEDANCE: 100 OHM +/- 15%
6. CABLE ABSOLUTE IMPEDANCE: 100 OHM +/- 10%
7. CABLE PAIR MATCHING: +/- 5 OHM
8. COMMON MODE IMPEDANCE: 25 - 40 OHM
9. INSERTION LOSS: - 6dB Max.
10. CROSSTALK: -26 dB Max.
11. INTRA-PAIR SKEW: 10 ps Max.
12. DD PRESENTS THE DATE, MM PRESENTS THE MONTH, YY PRESENTS THE YEAR.

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ENTER DESCRIPTION EC NO: DG2006-0039 DRWN: JLIU13 CHKD: APPR: DQLUO	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY ARTHUR	DATE 2005-08-25	TITLE SAS 4I ST TO SAS 4I ST INTERNAL CONTROLLER-BASE CABLE ASSY W/SB 3.3FT			
		4 PLACES	± ---	± ---	CHECKED BY ZXDENG	DATE 2005-08-25	MOLEX MOLEX INCORPORATED			
		3 PLACES	± ---	± ---	APPROVED BY DQLUO	DATE 2005-08-25				
		2 PLACES	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 685620014	DOCUMENT NO. SD-68562-014	SHEET NO. 2 OF 2	

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