



ENTER DESCRIPTION EC NO: DG2006-0087 DRWN:PHZHU 2005/11/11 CHKD: 2005/11/14 APPR:DQLUO 2005/11/14	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± ---	mm INCH ± --- ± --- ± --- ± --- ± --- ± ---	DRAWN BY PHZHU	DATE 2005/11/10	TITLE SAS 4I TO 4(1X) SATA INTERNAL CONTROLLER-BASE CABLE ASSY W/SB 1.6FT			
1 REV	DESCRIPTION	ANGULAR ±1/2°		APPROVED BY BORON	DATE 2005/11/10	MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 688100005	DOCUMENT NO. SD-68810-005	SHEET NO. 1 OF 2			
SIZE 4 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

FUNCTION	P 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
SIDEBAND0	PIN 14	P5-5	
SIDEBAND1	PIN 15	P5-3	
SIDEBAND2	PIN 16	P5-1	
SIDEBAND3	PIN 17	P5-2	
SIDEBAND4	PIN 18	P5-4	
SIDEBAND5	PIN 19	P5-6	
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

WIRE

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

FLAT CABLE WITH RED

6C GRAY FLAT CABLE

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:

- STRIAN RELIEF IN COVER SHOULD BE OVERMODLED WITH BLACK RESIN PVC, 887800042. INNER MOLD WITH PE RESIN 887800008. OUTER MOLD WITH PVC RESIN 887800042.
- DD PRESENTS THE DATE, MM PRESENTS THE MONTH, YY PRESENTS THE YEAR.
- ELECTRICAL PERFORMANCE REFER TO MOLEX ES-004 SAS.
 - DIELECTRIC STRENGTH
 - INSULATION RESISTANCE
 - CONDUCTIVE RESISTANCE
 - DIFFERENTIAL IMPEDANCE
 - DIFFERENTIAL SIGNAL CROSSTALK:NEXT
 - RISETIME
 - DIFFERENTIAL SIGNAL SKEW
 - ATTENUATION
- THE COMPONENT MUST MEET ROHS COMPLIANCE.

ITEM	DESCRIPTION	L(MM)	QTY.
M	LABEL 8878-04719		1
L	LABEL 8878-04685		1
K	LABEL 8878-04731		1
J	YELLOW BOTTOM 47077-6001		2
I	UL2651 6C 30AWG GRAY FLAT CABLE 172000633	490 ref.	1
H	2.54mm PITCH CONTACT 016020082		6
G	2.54 mm PITCH HOUSING 022552063		1
F	S-ATA SIGNAL CONN. 674898002		4
E	2PX30AWG S-ATA RED CABLE 172000759	490 ref.	4
D	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

ENTER DESCRIPTION EC NO: DG2006-0087 DRWN:PHZHU 2005/11/14 CHKD: 2005/11/14 APPR:DQLUO 2005/11/14	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	DRAWN BY PHZHU	DATE 2005/11/10	TITLE SAS 4I TO 4(1X) SATA INTERNAL CONTROLLER-BASE CABLE ASSY W/SB 1.6FT			
		2 PLACES ± --- ± ---	1 PLACE ± --- ± ---	CHECKED BY DQLUO	DATE 2005/11/10	MOLEX INCORPORATED			
		ANGULAR ±1/2°		APPROVED BY BORON	DATE 2005/11/10	MATERIAL NO. 688100005	DOCUMENT NO. SD-68810-005	SHEET NO. 2 OF 2	
1	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A 4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				