

1	2	3	4	5	6	7	8	9
REV.	REMARK	DATE	SIGN.					
↕	REVISE CABLE LENGTH	04/27/'12	Sino					

RoHS
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**MATERIAL RoHS COMPLIANT:**

**1.CABLE:**  
 CONDUCTOR: 28AWG SOLID SILVER PLATED COPPER.  
 INSULATION: FOAM POLYOLEFIN.  
 PAIR: 2 SINGLES LAID FLAT AND PARALLEL.  
 CORE: 8 PAIRS  
 PAIR DRAIN WIRE: 30AWG SOLID SILVER PLATED COPPER.  
 PAIR SHIELD: ALUMINUM/POLYESTER TAPE, ALUMINUM SIDE FACING IN, 25% OVERLAP.  
 INNER SHIELD: ALUMINUM/POLYESTER TAPE, ALUMINUM SIDE PACING OUT, 25% OVERLAP.  
 OUTER SHIELD: 36AWG TIN PLATED COPPER BRAID, 85% COVERAGE.  
 DIAMETER: 7.874mm  
 PRINT LEGEND: "MADISON CABLE CORP. TYPE CL2 75°C 28AWG (UL) TurboTwist™ RoHS COMPLIANT"  
 DIFFERENTIAL IMPEDANCE: 100±5 OHMS @TDR  
 UL LISTING: TYPE CL2 AS SPECIFIED IN ARTICLE 725 OF THE NATIONAL ELECTRICAL CODE.

**2.CONNECTOR:**  
 P1,P2: Mini SAS HD 4x CABLE PLUG (SFF-8644)  
 (1) P.C.B: 6 LAYERS, GOLD PLATING ON CONTACT PADS.  
 (2) LATCH: STAINLESS STEEL  
 (3) BACKSHELL: ZINC DIE CASTING HOOD/ NICKEL PLATING  
 (4) PULL TAB: NYLON UL94V-0, COLOR: BLUE.  
 (5) EMI GASKET.  
 3.FOR SAS 6.0 Gbps.  
 4.TWO-WIRED SERIAL MEMORY: ATMEL AT24C02B EEPROM (256 BYTES).

		DESC.	Mini SAS HD 4x/Mini SAS HD 4x CABLE ASS'Y	APPROVED	CHECKED	DESIGNED	TOLERANCE	SCALE	*	UNIT	mm	
		P/N	UASS-RC005402			Sino		DATE	04/27/'12	DWG NO:	DWG\RC\5402	

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### WIRING DIAGRAM

HIGH SPEED SIGNAL			
P1(Mini SAS HD 4x Plug)		P2(Mini SAS HD 4x Plug)	
PIN	SIGNAL	PAD	SIGNAL
A4	RX1+	C4	TX1+
A5	RX1-	C5	TX1-
A7	RX3+	C7	TX3+
A8	RX3-	C8	TX3-
B4	RX0+	D4	TX0+
B5	RX0-	D5	TX0-
B7	RX2+	D7	TX2+
B8	RX2-	D8	TX2-
C4	TX1+	A4	RX1+
C5	TX1-	A5	RX1-
C7	TX3+	A7	RX3+
C8	TX3-	A8	RX3-
D4	TX0+	B4	RX0+
D5	TX0-	B5	RX0-
D7	TX2+	B7	RX2+
D8	TX2-	B8	RX2-
GND GROUP		GND GROUP	
GND GROUP 1: P1-A3,A6,A9,B3,B6,B9, P2-C3,C6,C9,D3,D6,D9		GND GROUP 2: P1-C3,C6,C9,D3,D6,D9, P2-A3,A6,A9,B3,B6,B9	
Connector Shell		Connector Shell	

LOW SPEED SIGNAL & POWER	
P1,P2(Mini SAS HD 4x Plug)	
PAD	SIGNAL
A1	Reserved
A2	IntL
B1	Vact
B2	ModPrsL
C1	SCL
C2	SDA
D1	Vact
D2	Vman

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		P/N	UASS-RC005402			Sino	*	DATE	04/25/'12	DWG NO:	DWG\RC\5402	