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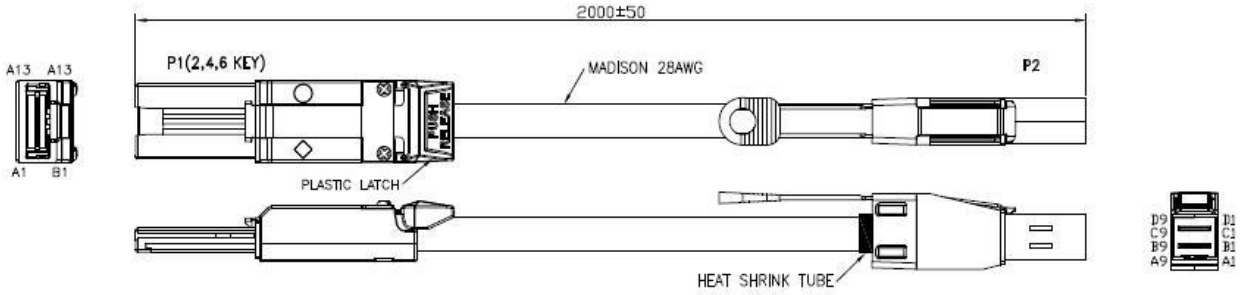
REV.	REMARK	DATE	SIGN.

RoHS



MATERIAL RoHS COMPLIANT:
1.CABLE:
CONDUCTOR: 28AWGSOLID 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: 38AWG TIN PLATED COPPER BRAID, 85% COVERAGE.
DIAMETER: 7.874mm
PRINT LEGEND: "MADISON CABLE CORP.TYPE CL2 75°C 28AWG (UL) TurboTwin™ 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: Mini SAS 4x CABLE PLUG – 26CKT CONNECTOR (SFF–8088)
(1) P.C.B: 4 LAYERS, GOLD PLATING ON CONTACT PADS.
(2) LATCH: STAINLESS STEEL
(3) BACKSHELL– ZINC DIE CASTING HOOD/ NICKEL PLATING
(4) WITH EXTERNAL UNIVERSAL KEY
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 4x/Mini SAS HD 4x CABLE ASS'Y			APPROVED	CHECKED	DESIGNED	TOLERANCE	SCALE	*	UNIT	mm
P/N	UASS–RC006198	CUSTOMER P/N	GA12			Sino		DATE	04/24/'13	DWG NO:	DWG\RC\6198

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WIRING DIAGRAM

HIGH SPEED SIGNAL			
P1(Mini SAS 4x Plug)		P2(Mini SAS HD 4x Plug)	
PIN	SIGNAL	PAD	SIGNAL
A2	RX0+	D4	TX0+
A3	RX0–	D5	TX0–
A5	RX1+	C4	TX1+
A6	RX1–	C5	TX1–
A8	RX2+	D7	TX2+
A9	RX2–	D8	TX2–
A11	RX3+	C7	TX3+
A12	RX3–	C8	TX3–
B2	TX0+	B4	RX0+
B3	TX0–	B5	RX0–
B5	TX1+	A4	RX1+
B6	TX1–	A5	RX1–
B8	TX2+	B7	RX2+
B9	TX2–	B8	RX2–
B11	TX3+	A7	RX3+
B12	TX3–	A8	RX3–
GND GROUP	GND	GND GROUP	GND
GND GROUP: A1,A4,A7,A10,A13, B1,B4,B7,B10,B13.		GND GROUP: A3,A6,A9,B3,B6,B9, C3,C6,C9,D3,D6,D9.	
Connector Shell		Connector Shell	

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

DESC.	Mini SAS 4x/Mini SAS HD 4x CABLE ASS'Y			APPROVED	CHECKED	DESIGNED	TOLERANCE	SCALE	*	UNIT	mm
P/N	UASS–RC006198	CUSTOMER P/N				Sino	*	DATE	04/24/'13	DWG NO:	DWG\RC\6198