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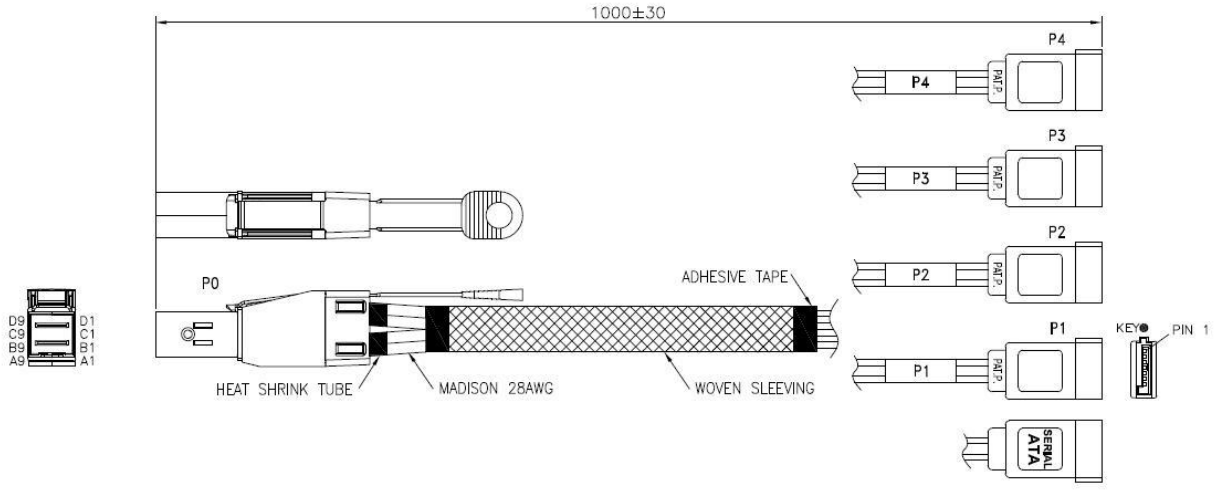
REV.	REMARK	DATE	SIGN.

RoHS



MATERIAL RoHS COMPLIANT:

1.CABLE:
- CONDUCTOR: 28AWG SOLID SILVER PLATED COPPER.
- INSULATION: POLYOLEFIN.
- PAIR: 2 SINGLES LAID FLAT AND PARALLEL.
- 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.
- DIFFERENTIAL IMPEDANCE: 100±5 OHMS @TDR
- UL LISTING: TYPE CL2 AS SPECIFIED IN ARTICLE 725 OF THE NATIONAL ELECTRICAL CODE. TURBO TWIN™ ,MADISON

2.CONNECTOR:
- P0: 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.
- P1~P4: SATA 7P INTERNAL CABLE REC.

3.FOR SAS 6.0 Gbps.

4.TWO-WIRED SERIAL MEMORY: ATMEL AT24C02B EEPROM (256 BYTES).

DESC.	Mini SAS HD 4x/4*SATA CABLE ASS'Y			APPROVED	CHECKED	DESIGNED	TOLERANCE	SCALE	*	UNIT	mm
P/N	UASS-RC005654	CUSTOMER P/N				Sino		DATE	08/28/'12	DWG NO:	DWG\RC\5654

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WIRING DIAGRAM

HIGH SPEED SIGNAL				
P0(Mini SAS HD 4x Plug)		SATA Cable Receptacle(Target)		
PIN	SIGNAL	PIN	SIGNAL	
D4	TX0+	2	RX+	P4
D5	TX0-	3	RX-	
B5	RX0-	5	TX-	
B4	RX0+	6	TX+	
GND Group	GND	1,4,7	GND	
C4	TX1+	2	RX+	P3
C5	TX1-	3	RX-	
A5	RX1-	5	TX-	
A4	RX1+	6	TX+	
GND Group	GND	1,4,7	GND	
D7	TX2+	2	RX+	P2
D8	TX2-	3	RX-	
B8	RX2-	5	TX-	
B7	RX2+	6	TX+	
GND Group	GND	1,4,7	GND	
C7	TX3+	2	RX+	P1
C8	TX3-	3	RX-	
A8	RX3-	5	TX-	
A7	RX3+	6	TX+	
GND GROUP	GND	1,4,7	GND	

GND GROUP:
A3,A6,A9,B3,B6,B9,
C3,C6,C9,D3,D6,D9.

LOW SPEED SIGNAL & POWER		
P0(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
D1	Vact	
D2	Vman	Vman

SERIAL EEPROM → GND
SERIAL EEPROM → Vman

DESC.	Mini SAS HD 4x/4*SATA CABLE ASS'Y			APPROVED	CHECKED	DESIGNED	TOLERANCE	SCALE	*	UNIT	mm
P/N	UASS-RC005654	CUSTOMER P/N				Sino	*	DATE	08/28/'12	DWG NO:	DWG\RC\5654