REV.	REMARK	DATE	SIGN.

RoHS

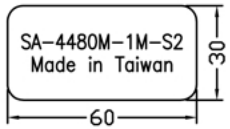
MATERIAL RoHS COMPLIANT:

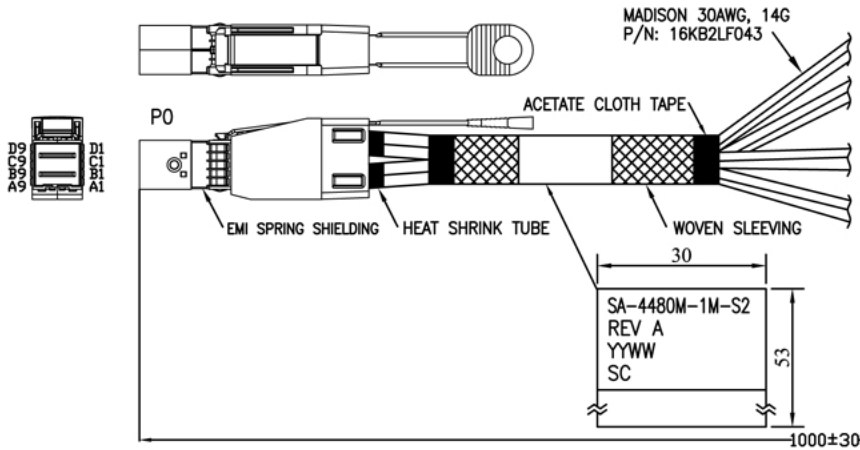
1.CABLE:
- CONDUCTOR: 30AWG SOLID SILVER PLATED COPPER.
- INSULATION: FOAM POLYOLEFIN.
- PAIR: 2 SINGLES LAID FLAT AND PARALLEL.
- PAIR DRAIN WIRE: 30AWG SOLID SILVER PLATED COPPER.
- PAIR SHIELD: ALUMINUM/POLYESTER TAPE, ALUMINUM SIDE FACING IN, 25% OVERLAP.
- INNER SHIELD: ALUMINUM/POLYESTER TAPE, ALUMINUM SIDE FACING OUT, 25% OVERLAP.
- DIFFERENTIAL IMPEDANCE: 100±5 OHMS @TDR
- UL LISTING: TYPE CL2 AS SPECIFIED IN ARTICLE 725 OF THE NATIONAL ELECTRICAL CODE.

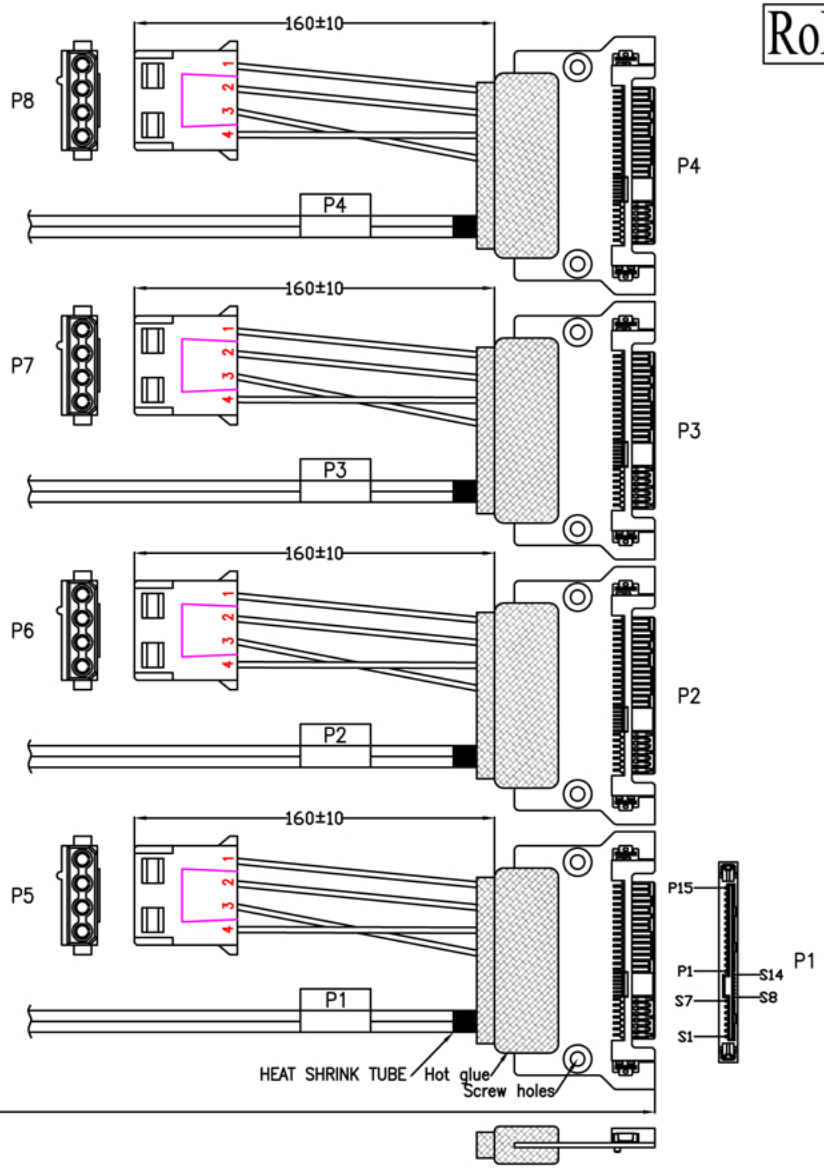
2.CONNECTOR:
- P0: Mini SAS HD 4x CABLE PLUG (SFF-8644)
  - (1) P.C.B: 4 LAYERS, GOLD PLATING ON CONTACT PADS, WITHOUT CARBON (P/N: MPCB-040113LF REV.A / SPCB-040114A)
  - (2) LATCH: STAINLESS STEEL
  - (3) BACKSHELL- ZINC DIE CASTING HOOD/ NICKEL PLATING
  - (4) PULL TAB: NYLON UL94V-0, COLOR: BLUE.
  - (5) EMI SPRING SHIELDING
- P1-P4: SAS DRIVE R/A SMT PLUG (SFF-8680)
- P5-P8: 4 POSITION DC POWER REC. POWER CABLE: UL 1007 18AWG 80°C 300V

3.FOR SAS 12.0 Gbps.

4.LABELING ON BAG:







Serial Cables, LLC	DESC.	Mini SAS HD 4x TO 2*SAS DRIVE R/A SMT PLUG WITH POWER CABLE ASS'Y		APPROVED	CHECKED	DESIGNED	TOLERANCE	SCALE	*	UNIT	mm
	P/N	B-4830	CUSTOMER P/N	SA-4480M-1M-S2			Sino		DATE	07/18/'14	DWG NO:	DWG\B\4830

REV.	REMARK	DATE	SIGN.

WIRING DIAGRAM

Mini SAS HD 4x (P0)		SAS DRIVE PLUG(SFF-8680)			4P POWER REC.			
PIN	SIGNAL	PLUG	PIN	SIGNAL	REC.	PIN	SIGNAL	
B4	RX0+	P1	S2	RP+	P5			
B5	RX0−		S3	RP−				
D5	TX0−		S5	TP−				
D4	TX0+		S6	TP+				
GND GROUP			S1,S4,S7	GND				
			P13,P14,P15	+12V		1	+12V	YELLOW
			P10,P11,P12	GND		2	GND	BLACK
			P7,P8,P9	+5V		4	+5V	RED
			P4,P5,P6	GND		3	GND	BLACK
A4	RX1+	P2	S2	RP+	P6			
A5	RX1−		S3	RP−				
C5	TX1−		S5	TP−				
C4	TX1+		S6	TP+				
GND GROUP			S1,S4,S7	GND				
			P13,P14,P15	+12V		1	+12V	YELLOW
			P10,P11,P12	GND		2	GND	BLACK
			P7,P8,P9	+5V		4	+5V	RED
			P4,P5,P6	GND		3	GND	BLACK
B7	RX2+	P3	S2	RP+	P7			
B8	RX2−		S3	RP−				
D8	TX2−		S5	TP−				
D7	TX2+		S6	TP+				
GND GROUP			S1,S4,S7	GND				
			P13,P14,P15	+12V		1	+12V	YELLOW
			P10,P11,P12	GND		2	GND	BLACK
			P7,P8,P9	+5V		4	+5V	RED
			P4,P5,P6	GND		3	GND	BLACK
A7	RX3+	P4	S2	RP+	P8			
A8	RX3−		S3	RP−				
C8	TX3−		S5	TP−				
C7	TX3+		S6	TP+				
GND GROUP			S1,S4,S7	GND				
			P13,P14,P15	+12V		1	+12V	YELLOW
			P10,P11,P12	GND		2	GND	BLACK
			P7,P8,P9	+5V		4	+5V	RED
			P4,P5,P6	GND		3	GND	BLACK

P0 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 → GND
D1	Vact — N.C.
D2	Vman

Serial Cables, LLC

DESC.	Mini SAS HD 4x TO 2*SAS DRIVE R/A SMT PLUG WITH POWER CABLE ASS'Y		APPROVED	CHECKED	DESIGNED	TOLERANCE	SCALE	*	UNIT	mm
P/N	B-4830	CUSTOMER P/N			Sino		DATE	07/18/'14	DWG NO:	DWG\B\4830