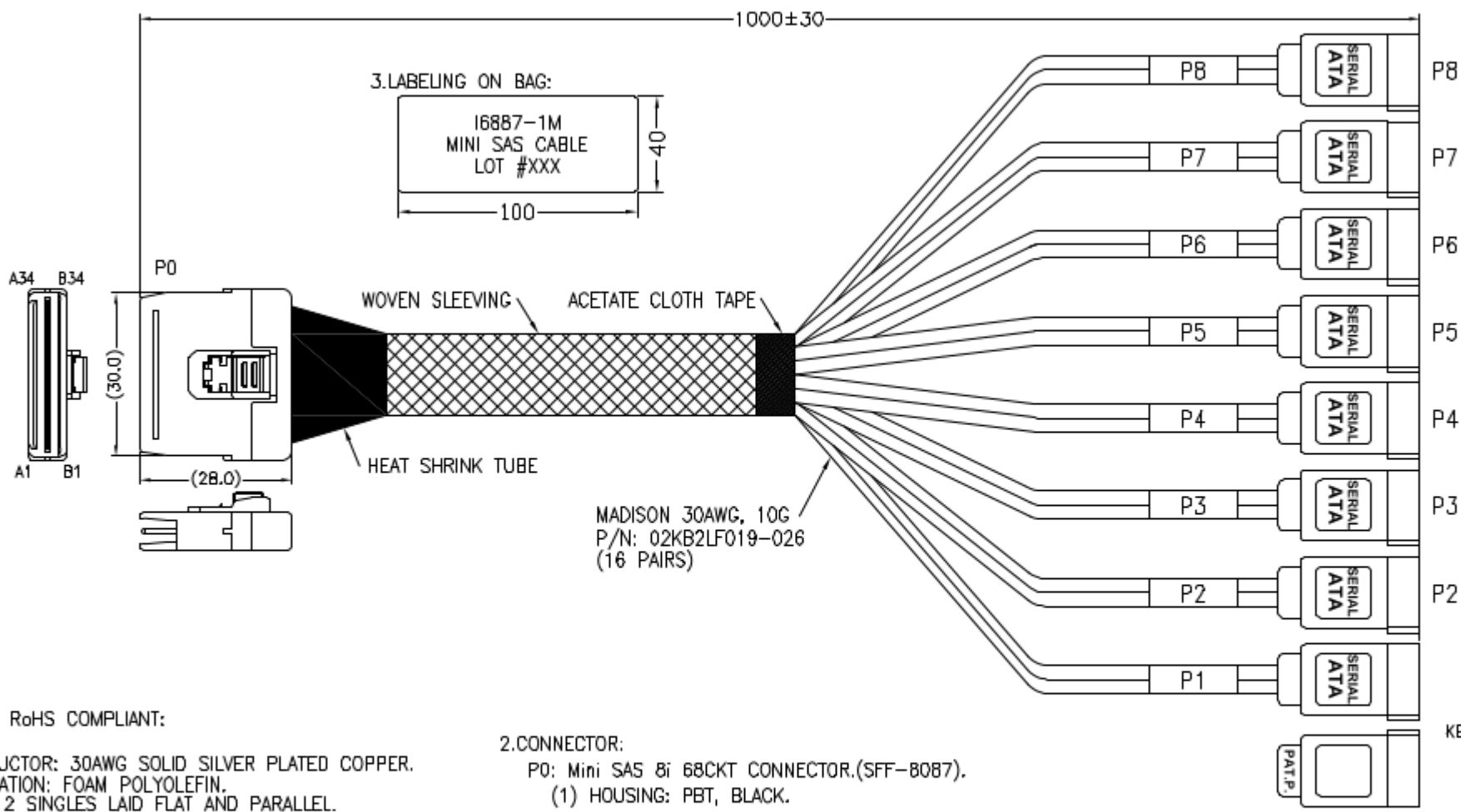


1	2	3	4	5	6	7	8	9
REV.	REMARK	DATE	SIGN.					

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 TIN PLATED COPPER.
 PAIR SHIELD: ALUMINUM/POLYESTER TAPE.
 ALUMINUM SIDE FACING IN, 25% OVERLAP.
 DIFFERENTIAL IMPEDANCE: 100±5 OHMS @TDR
 UL RECOGNIZED: AWM STYLE 21490 80°C 30 VOLTS.

2. CONNECTOR:

P0: Mini SAS 8i 68CKT CONNECTOR.(SFF-8087).
 (1) HOUSING: PBT, BLACK.
 (2) P.C.B: 4 LAYERS, GOLD PLATING ON CONTACT PADS.
 (3) LATCH: STAINLESS.
 (4) INTERNAL, WITHOUT SIDEBAND.
 P1-P8: SATA 7P INTERNAL CABLE REC.

TMC The Mate Company

DESC.	MiniSAS 8i TO 8*SATA 7PIN WITHOUT SIDEBAND CABLE ASS'Y	APPROVED	CHECKED	DESIGNED	TOLERANCE	SCALE	*	UNIT	mm	
P/N	16887-1M	CUSTOMER P/N	16887-1M	Sino		DATE	07/12/17	DWG NO:	DWG\RC\8311	

1	2	3	4	5	6	7	8	9
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REV.	REMARK	DATE	SIGN.
◇	REVISED PIN&GND	07/25/'17	Sino

WIRING DIAGRAM

Mini SAS 8i(HOST)			SATA internal cable rec.(TARGET)		
PLUG	PIN	SIGNAL	REC.	PIN	SIGNAL
P0	A2	RX0+	P1	6	TX+
	A3	RX0-		5	TX-
	B3	TX0-		3	RX-
	B2	TX0+		2	RX+
	GND GROUP			1,4,7	GROUND
	A5	RX1+	P2	6	TX+
	A6	RX1-		5	TX-
	B6	TX1-		3	RX-
	B5	TX1+		2	RX+
	GND GROUP			1,4,7	GROUND
◇	A8	RX2+	P3	6	TX+
◇	A9	RX2-		5	TX-
◇	B9	TX2-		3	RX-
◇	B8	TX2+		2	RX+
GND GROUP		1,4,7		GROUND	
◇	A11	RX3+	P4	6	TX+
◇	A12	RX3-		5	TX-
◇	B12	TX3-		3	RX-
◇	B11	TX3+		2	RX+
GND GROUP		1,4,7		GROUND	

Mini SAS 8i(HOST)			SATA internal cable rec.(TARGET)		
PLUG	PIN	SIGNAL	REC.	PIN	SIGNAL
P0	A23	RX4+	P5	6	TX+
	A24	RX4-		5	TX-
	B24	TX4-		3	RX-
	B23	TX4+		2	RX+
	GND GROUP			1,4,7	GROUND
A26	RX5+	P6	6	TX+	
A27	RX5-		5	TX-	
B27	TX5-		3	RX-	
B26	TX5+		2	RX+	
GND GROUP			1,4,7	GROUND	
A29	RX6+	P7	6	TX+	
A30	RX6-		5	TX-	
B30	TX6-		3	RX-	
B29	TX6+		2	RX+	
GND GROUP			1,4,7	GROUND	
A32	RX7+	P8	6	TX+	
A33	RX7-		5	TX-	
B33	TX7-		3	RX-	
B32	TX7+		2	RX+	
GND GROUP			1,4,7	GROUND	

P0 GND GROUP:
A1,A4,A7,A10,A13,A22,A25,A28,A31,A34
B1,B4,B7,B10,B13,B22,B25,B28,B31,B34



TMC The Mate Company

DESC.	MiniSAS 8i TO 8*SATA 7PIN WITHOUT SIDEBAND CABLE ASS'Y	APPROVED	CHECKED	DESIGNED	TOLERANCE	SCALE	*	UNIT	mm	
P/N	I6887-1M	CUSTOMER P/N		Sino		DATE	07/25/'17	DWG NO:	DWG\RC\8311	