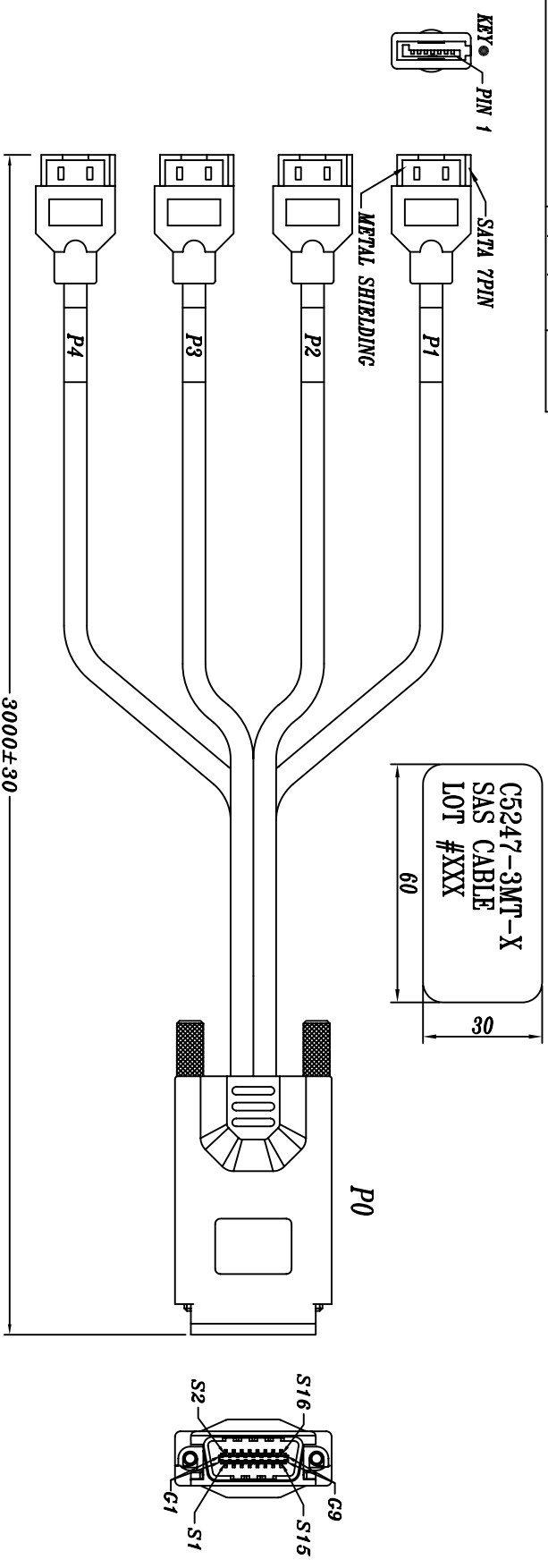


1	2	3	4	5	6	7	8	9
REV.	REMARK	DATE	SIGN.					
◇	CHANGE CONNECTOR & CABLE 12/07/06		KU.					



**1. CABLE:**  
 CONDUCTOR: TWO TWISTED PAIRS, 28AWG 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.  
 OUTER SHIELD: 38AWG TIN PLATED COPPER BRAID, 85% COVERAGE.  
 DIAMETER:  $\phi 4.7mm$  NOMINAL. COLOR: BLACK.  
 PRINT LEGEND: "MADISON CABLE CORP. TYPE CL2 75°C 28AWG (UL) TurboTurbo™"  
 DIFFERENTIAL IMPEDANCE: 100±5 OHMS @TDR  
 FOR SAS 3G USE.

**2. CONNECTOR:**  
 P0: SAS 4X THUMBSCREW TYPE CONNECTOR:  
 (1). MAIN BODY: HIGH TEMPERATURE LCP RESIN U194V-0"  
 (2). SINGAL PIN & GROUND PIN: PHOSPHER BRONZE/30 $\mu$ "  
 GOLD OVER NICKEL.  
 (3). P.C. BOARD: FR4, 4 LAYER  
 (4). EJECTON LATCH: STAINLESS STEEL.  
 (5). BALCK SHELL: ZINC DIE CASTING/NICKEL PLATED.  
 P1~P4: SATA CABLE RECEPTACLE CONNECTOR W/METAL SHELL

DataStorageCables.com

DESC.	SATA *4 TO 4X CABLE ASSEMBLY	APPROVED	CHECKED	DESIGNED	TOLERANCE	SCALE	1 = 1	UNIT	mm
P/N	C5247-3MT-X	CUSTOMER P/N		KU		DATE	12/04/06	DWG NO.	DWG/RC/2173

1	REV. REMARK	2	DATE	3	SIGN.	4	5	6
1	CHANGE CONNECTOR & CABLE	2	12/07/06	3	KU.	4		6

I	SATA CABLE RECEPTACLE (HOST) (HOST PLUG PIN ASSIGNMENT)		SAS4x PLUG(P0) (TARGET)			
	H	REC. PIN	SIGNAL	PIN	SIGNAL	
	P4	6	RX0+		S16	TX0+
		5	RX0-		S15	TX0-
		3	TX0-		S2	RX0-
	G	2	TX0+		S1	RX0+
		1.4,7		SIGNAL GROUND	G1-G9	SIGNAL GROUND
		HOUSING		CHASSIS GROUND	HOUSING	CHASSIS GROUND
	F	P3	6	RX1+	S14	TX1+
			5	RX1-	S13	TX1-
3			TX1-	S4	RX1-	
E	P2	2	TX1+	S3	RX1+	
		1.4,7		SIGNAL GROUND	G1-G9	SIGNAL GROUND
		HOUSING		CHASSIS GROUND	HOUSING	CHASSIS GROUND
D	P1	6	RX2+	S12	TX2+	
		5	RX2-	S11	TX2-	
		3	TX2-	S6	RX2-	
C	P1	2	TX2+	S5	RX2+	
		1.4,7		SIGNAL GROUND	G1-G9	SIGNAL GROUND
		HOUSING		CHASSIS GROUND	HOUSING	CHASSIS GROUND
B	P1	6	RX3+	S10	TX3+	
		5	RX3-	S9	TX3-	
		3	TX3-	S8	RX3-	
A	P1	2	TX3+	S7	RX3+	
		1.4,7		SIGNAL GROUND	G1-G9	SIGNAL GROUND
		HOUSING		CHASSIS GROUND	HOUSING	CHASSIS GROUND

DESC: SATA 4 TO 4X CABLE ASSEMBLY		CUSTOMER P/N	
P/N	CS247-3MT-X		
APPROVED	CHECKED	DESIGNED	TOLERANCE
			SCALE 1 = 1
DATE	12/04/06	DATE	12/04/06
		UNIT	mm
		DWG. NO.	DWG. NO. 2173
DataStorageCables.com			