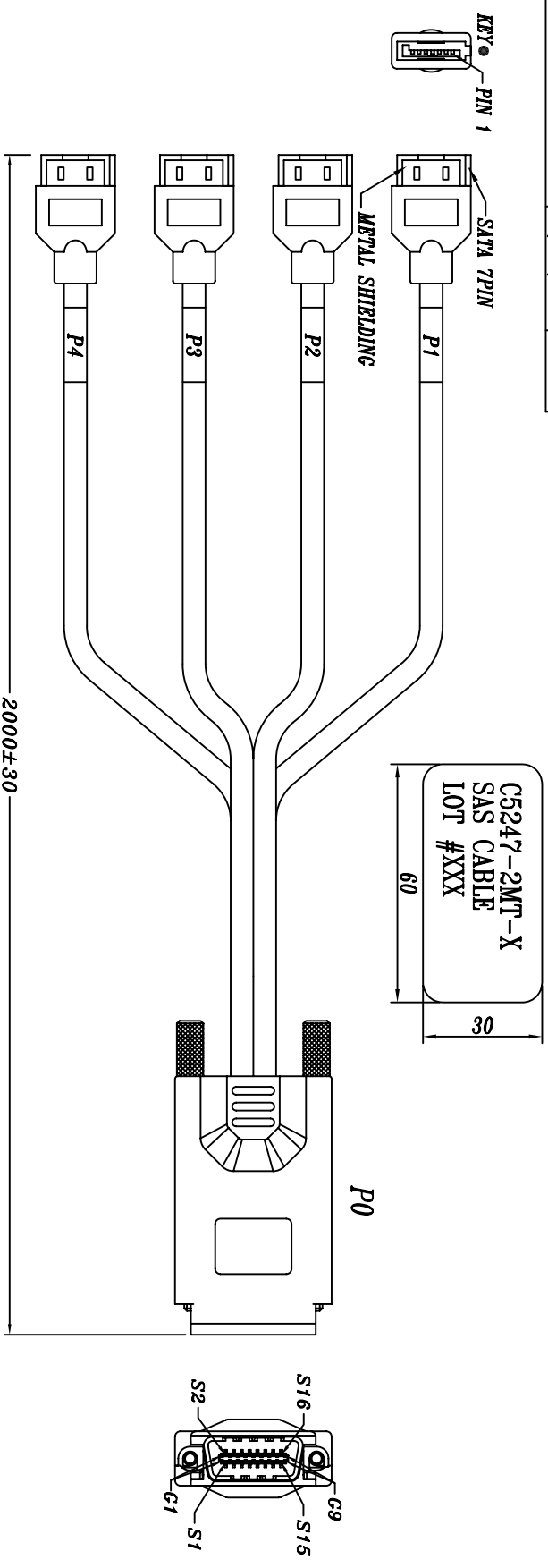


1	2	3	4	5	6	7	8	9
REV.	REMARK	DATE	SIGN.					
◇	CHANGE CONNECTOR & CABLE 12/07/06		KU.					



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 μ " 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

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DESC.	SATA *4 TO 4X CABLE ASSEMBLY	APPROVED	CHECKED	DESIGNED	TOLERANCE	SCALE	1 = 1	UNIT	mm
P/N	C5247-2MT-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	12/07/06	KU.					

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-
	2	TX0+		S1	RX0+
P3	6	RX1+		S14	TX1+
	5	RX1-		S13	TX1-
	3	TX1-		S4	RX1-
	2	TX1+		S3	RX1+
P2	6	RX2+		S12	TX2+
	5	RX2-		S11	TX2-
	3	TX2-		S6	RX2-
	2	TX2+		S5	RX2+
P1	6	RX3+		S10	TX3+
	5	RX3-		S9	TX3-
	3	TX3-		S8	RX3-
	2	TX3+		S7	RX3+
C	1,4,7	SIGNAL GROUND		G1-G9	SIGNAL GROUND
	HOUSING	CHASSIS GROUND		HOUSING	CHASSIS GROUND
	1,4,7	SIGNAL GROUND		G1-G9	SIGNAL GROUND
	HOUSING	CHASSIS GROUND		HOUSING	CHASSIS GROUND
B	1,4,7	SIGNAL GROUND		G1-G9	SIGNAL GROUND
	HOUSING	CHASSIS GROUND		HOUSING	CHASSIS GROUND
	1,4,7	SIGNAL GROUND		G1-G9	SIGNAL GROUND
	HOUSING	CHASSIS GROUND		HOUSING	CHASSIS GROUND

A	DESC. SATA 4 TO 4X CABLE ASSEMBLY		CUSTOMER P/N	
P/N		CS247-2MT-X		
APPROVED CHECKED DESIGNED		TOLERANCE	SCALE	1 = 1
DATE		12/04/06	DATE	12/04/06
DRAWING NO.		DMG13012173	UNIT mm	
DataStorageCables.com		K U		