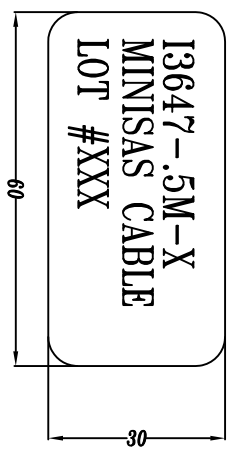


REV.	REMARK	DATE	SIGN.
1			

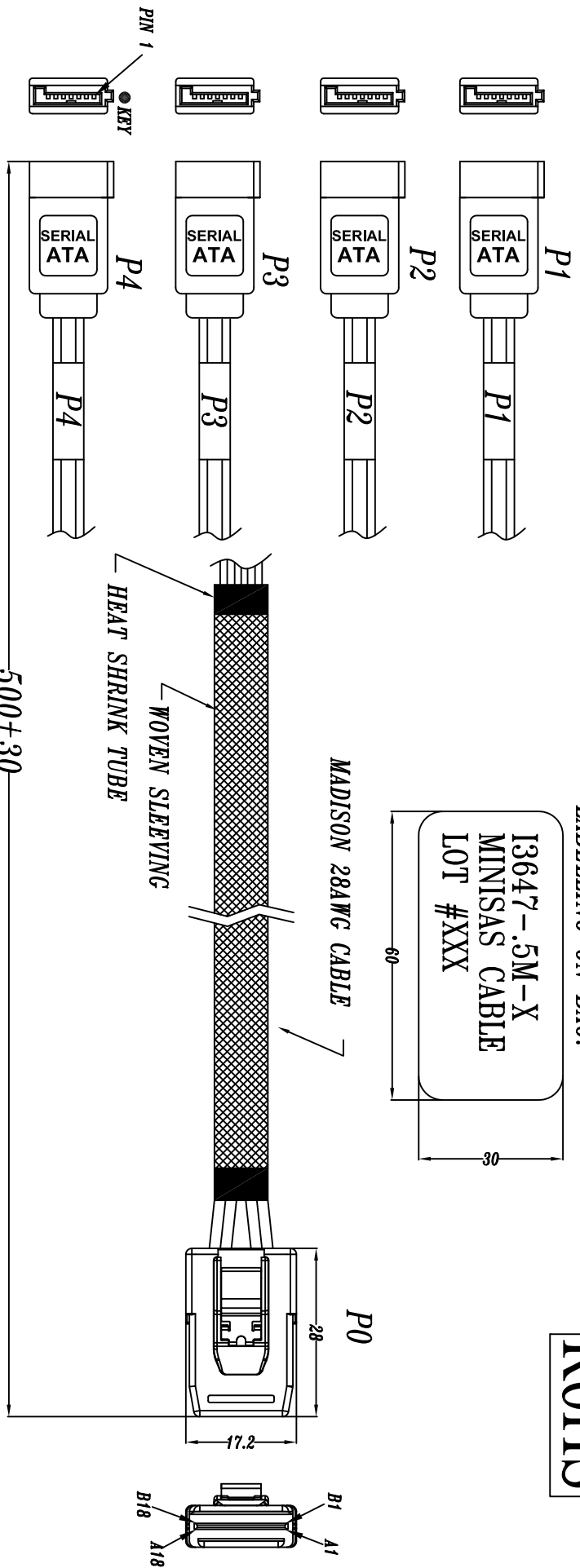
ROHS

LABELLING ON BAG:

13647-.5M-X
MINISAS CABLE
LOT #XXX



MADISON 28AWG CABLE



500±30

MATERIAL ROHS COMPLIANT:
CABLE:

ELECTRICAL:
IMPEDANCE: 100±5 ohm(DIFFERENTIAL TDR)
CAPACITANCE: 14pF/ft NOMINAL
TIME DELAY: 1.35ns/ft NOMINAL
SKEW(WITHIN PAIR): ≤ 120ps/7M MAXIMUM
ATTENUATION (NOMINAL): 10 dB/ 7M MAXIMUM @1.25GHz
APPROVALS:
 UL AWM VW-1 80°C 30V, RoHS COMPLIANT

CONNECTOR:
 P0: Mini SAS 4: CABLE PLUG - 36CKT CONNECTOR
 1. HOOD: NYLON 30% GLASS FIBRE
 2. LATCH: STAINLESS STEEL
 3. P.C.B.: FR4
 4. INTERNAL, NO SIDEBAND.
 P1~P4: SATA INTERNAL CABLE RECEPTACLE W/O METAL SHELL.

DataStorageCables.com

DESC.	P/N	APPROVED	CHECKED	DESIGNED	TOLERANCE	SCALE	1 = 1	UNIT	mm
4* SATA to Mini SAS 4: cable ass'y	13647-.5M-X			KU		DATE	12/05/06	DWG NO.	DWG/RC/2186

1 2 3 4 5 6 7 8 9

1	2	3	4	5	6
REV.	REMARK	DATE	SIGN.		

WIRING DIAGRAM						
SATA internal cable rec.(HOST)		Mini SAS 4i(TARGET)				
rec.	PIN	SIGNAL	plug	PIN	SIGNAL	
P1	2	TX+	P0	A2	RX0+	
	3	TX-		A3	RX0-	
	5	RX-		B3	TX0-	
	6	RX+		B2	TX0+	
	1,4,7			GROUND	GND GROUP	
	P2			TX+	A5	RX1+
3		TX-	A6	RX1-		
5		RX-	B6	TX1-		
6		RX+	B5	TX1+		
1,4,7		GROUND	GND GROUP			
P3		TX+	A13	RX2+		
3		TX-	A14	RX2-		
5		RX-	B14	TX2-		
6		RX+	B13	TX2+		
1,4,7		GROUND	GND GROUP			
P4		TX+	A16	RX3+		
3		TX-	A17	RX3-		
5		RX-	B17	TX3-		
6		RX+	B16	TX3+		
1,4,7		GROUND	GND GROUP			

GND GROUP:
A1,A4,A7,A12,A15,A18
B1,B4,B7,B12,B15,B18

DataStorageCables.com					
DESC. 4* SATA to Mini SAS 4i cable ass'y		P/N 13647-5M-X		CUSTOMER P/N	
APPROVED CHECKED DESIGNED TOLERANCE SCALE 1 = 1		DATE 12/05/06 DMC-MC		UNIT mm	
K U		DATE 12/05/06 DMC-MC		DWG NO. DWG 2186	