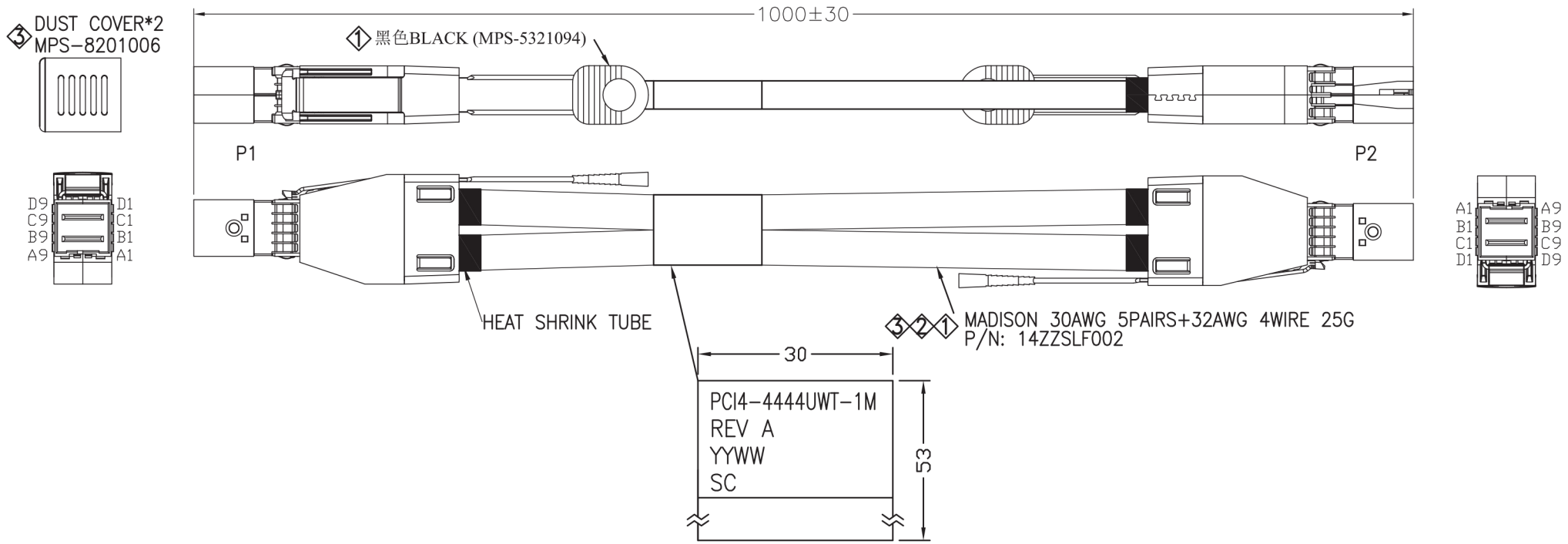
REV.	REMARK	DATE	SIGN.
1	REVISE PULL TAB P/N MPS-5321094, REMOVE CABLE COLOR	05/21/'19	Sino
2	CHANGE CABLE	06/05/'20	LAI
3	ADD DUST COVER, FOR PCIe&24G USE, CHANGE CABLE&PCB	07/01/'20	LAI

RoHS

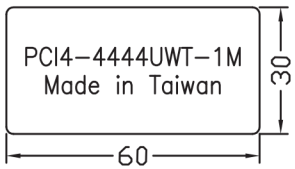


MATERIAL RoHS COMPLIANT:

2 3 1.CABLE:
PAIR CONDUCTOR: 30AWG SOLID SILVER PLATED COPPER.
PAIR: 2 SINGLES LAID FLAT AND PARALLEL.
DRAIN WIRE: 30AWG SOLID SILVER PLATED COPPER.
SINGLE CONDUCTOR: 32AWG SOLID TIN PLATED COPPER.
CORE: 4 SINGLES CABLED TOGETHER WITH PAPER
AROUND: 5 PAIRS CABLED WITH THE CORE
INNER SHIELD: ALUMINUM/POLYESTER TAPE, ALUMINUM SIDE FACING OUT, 25% OVERLAP.
OUTER SHIELD: 38AWG TIN PLATED COPPER BRAID, 85% COVERAGE.
JACKET: PVC, COLOR-BLACK.
DIAMETER: 5.75mm NOMINAL
PRINT LEGEND: "MADISON CABLE {Mfg. Location Code} AWM STYLE 20276 80°C 30V
VW-1 30AWG TurboTwin™ 25G 104-2873 SUBSTANCE COMPLIANT 2011/65/EU {D/C}"
DIFFERENTIAL IMPEDANCE: 100±5 OHMS @TDR
UL LISTING: STYLE 20276 VW-1 AS SPECIFIED IN ARTICLE 725 OF THE NATIONAL ELECTRICAL CODE.

2.CONNECTOR:
P1,P2: Mini SAS HD 4x CABLE PLUG (SFF-8644)
3 (1) P.C.B: 4 LAYERS, GOLD PLATING ON CONTACT PADS
(P/N: MPCB-040167LF REV.A / MPCB-040167LF REV.A)
(2) LATCH: STAINLESS STEEL
(3) BACKSHELL- ZINC DIE CASTING HOOD/ NICKEL PLATING
(4) PULL TAB: NYLON UL94V-0, COLOR: BLACK(MPS-5321094)
(5) EMI SPRING SHIELDING

3 3.FOR PCIe GEN4 16.0 GT/s USE.
4.FOR 24G USE.
5.LABELING ON BAG:



serial CABLES	DESC.	MiniSASHD 4x with Sideband Cable Assembly		APPROVED	CHECKED	DESIGNED	TOLERANCE	SCALE	*	UNIT	mm
	P/N	UASS-RC008959	CUSTOMER P/N	PCI4-4444UWT-1M			LAI		DATE	07/01/'20	DWG NO:	DWG\RC\8959

REV.	REMARK	DATE	SIGN.
①	UPDATED SHOWING THE PCIe SIGNAL NAMES	09/20/'19	Sino
②	UPDATED SHOWING THE PCIe SIGNAL NAMES	01/11/'21	Sino

②① WIRING DIAGRAM by CUSTOMER

HIGH SPEED SIGNAL

P1		P2	
PAD	SIGNAL	PAD	SIGNAL
A4	PERp0	C4	PETp0
A5	PERn0	C5	PETn0
A7	PERp3	C7	PETp3
A8	PERn3	C8	PETn3
B4	PERp1	D4	PETp1
B5	PERn1	D5	PETn1
B7	PERp2	D7	PETp2
B8	PERn2	D8	PETn2
C4	PETp0	A4	PERp0
C5	PETn0	A5	PERn0
C7	PETp3	A7	PERp3
C8	PETn3	A8	PERn3
D4	PETp1	B4	PERp1
D5	PETn1	B5	PERn1
D7	PETp2	B7	PERp2
D8	PETn2	B8	PERn2
GND GROUP	GND	GND GROUP	GND

LOW SPEED CLK & SIGNAL

P1		P2	
PAD	SIGNAL	PAD	SIGNAL
A1	CLK_0_N	A2	CLK_0_N
A2	CLK_0_P	A1	CLK_0_P
B1	CLK_1_N	B2	CLK_1_N
B2	CLK_1_P	B1	CLK_1_P
C1	ATLAS_SCL	C2	ATLAS_SCL
C2	ATLAS_SDA	C1	ATLAS_SDA
D1	PERST#_0	D2	PERST#_0
D2	PERST#_1	D1	PERST#_1

GND GROUP 1:
P1–A3,A6,A9,B3,B6,B9. P2–C3,C6,C9,D3,D6,D9.
GND GROUP 2:
P1–C3,C6,C9,D3,D6,D9. P2–A3,A6,A9,B3,B6,B9.

CONNECTOR SHELL — CONNECTOR SHELL

*客製化接點

DESC.	MiniSASHD 4x with Sideband Cable Assembly			APPROVED	CHECKED	DESIGNED	TOLERANCE	SCALE	*	UNIT mm
P/N	UASS-RC008959	CUSTOMER P/N	PCI4-4444UWT-1M			Sino		DATE	01/11/'21	DWG NO: DWG\RC\8959