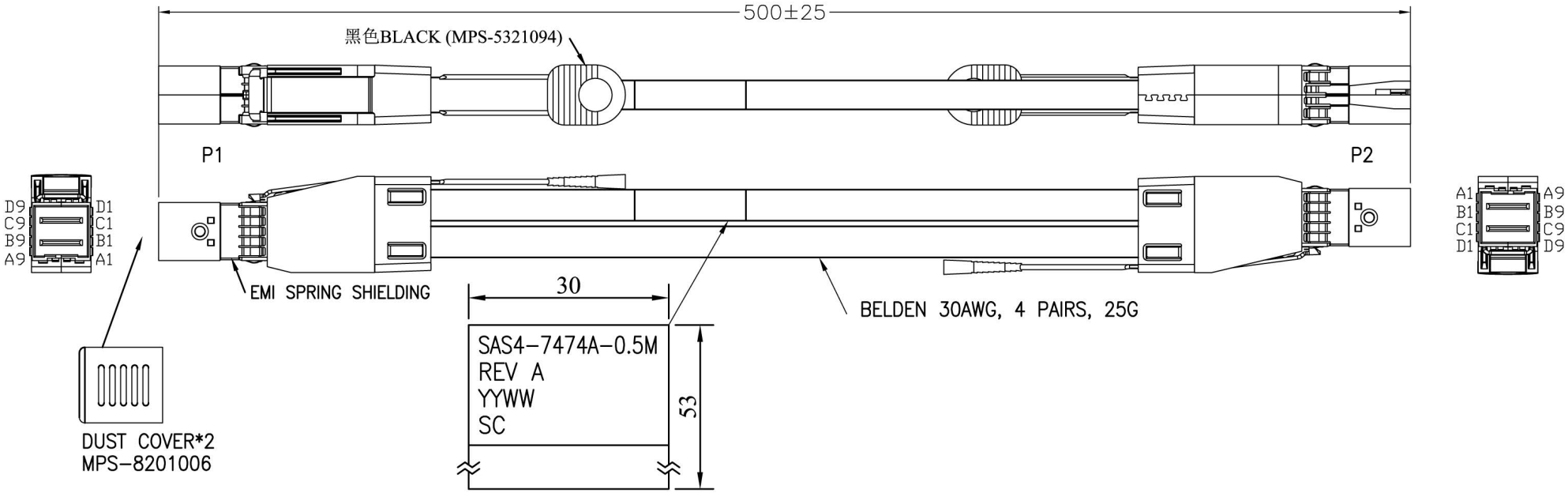
REV.	REMARK	DATE	SIGN.

RoHS



Material RoHS Compliant:

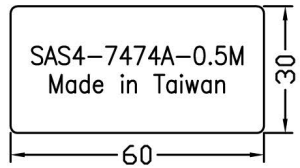
1.CABLE:
- CONDUCTOR: 30AWG SILVER PLATED COPPER.
  8 CORES: 4 PAIRS
- INSULATION: POLYOLEFIN.
- DRAIN WIRE: 30AWG SILVER PLATED COPPER.
  YELLOW SHIELDING TAPE METAL SIDE INWARDS COVERAGE >=100%
  HOT-MELT PET COVERAGE >=100%
- BRAID SHIELD: TINNED COPPER COVERAGE >=85%
- JACKET: PVC
- OUTER DIAMETER: 5.60±0.35mm
- MARKING: BELDEN L-Skew 30A2C21-1 E357312-S
  AWM STYLE 20276 30AWG 80C 30V VW-1 RoHS YYYY/MM/DD XXXXXXM

2.CONNECTOR:
P1,P2: Mini SAS HD 4x CABLE PLUG (SFF-8674)
- (1) P.C.B: 4 LAYERS, GOLD PLATING ON CONTACT PADS
  (P/N: MPCB-040177LF REV.A / SPCB-040178A)
- (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.FOR SAS 24.0 Gbps.

4.TWO-WIRED SERIAL MEMORY: ATMEL AT24C02D EEPROM (256 BYTES).

5.LABELING ON BAG:



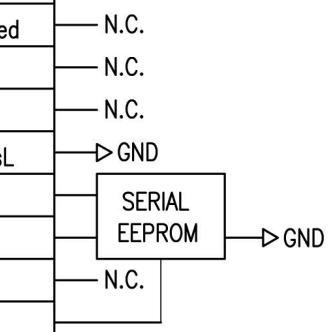
DESC.	Mini SAS HD 4x*2 FOR SAS 4.0 CABLE ASS'Y			APPROVED	CHECKED	DESIGNED	TOLERANCE	SCALE	*	UNIT	mm	
P/N	B-6835	CUSTOMER P/N	SAS4-7474A-0.5M			Sino		DATE	07/26'19	DWG NO:	DWG\B\6835	

REV.	REMARK	DATE	SIGN.

WIRING DIAGRAM

HIGH SPEED SIGNAL			
P1(Mini SAS HD 4x Plug)		P2(Mini SAS HD 4x Plug)	
PAD	SIGNAL	PAD	SIGNAL
A4	RX1+	C4	TX1+
A5	RX1−	C5	TX1−
A7	RX3+	C7	TX3+
A8	RX3−	C8	TX3−
B4	RX0+	D4	TX0+
B5	RX0−	D5	TX0−
B7	RX2+	D7	TX2+
B8	RX2−	D8	TX2−
C4	TX1+	A4	RX1+
C5	TX1−	A5	RX1−
C7	TX3+	A7	RX3+
C8	TX3−	A8	RX3−
D4	TX0+	B4	RX0+
D5	TX0−	B5	RX0−
D7	TX2+	B7	RX2+
D8	TX2−	B8	RX2−
GND GROUP	GND	GND GROUP	GND
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	

LOW SPEED SIGNAL & POWER	
P1,P2(Mini SAS HD 4x Plug)	
PAD	SIGNAL
A1	Reserved
A2	IntL
B1	Vact
B2	ModPrsL
C1	SCL
C2	SDA
D1	Vact
D2	Vman



	DESC.	Mini SAS HD 4x*2 FOR SAS 4.0 CABLE ASS'Y		APPROVED	CHECKED	DESIGNED	TOLERANCE	SCALE	*	UNIT	mm
	P/N	B-6835	CUSTOMER P/N			Sino		DATE	07/26/'19	DWG NO:	DWG\B\6835

REV.	REMARK	DATE	SIGN.

SAS4-7474A MEMORY MAP (Mini SAS HD 4x SAS 4.0)

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	
0	0F	00	04	00	00	00	00	00	00	00	00	00	00	00	00	00	
1	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
2	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
3	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
4	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
5	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
6	00	00	00	00	00	00	00	00	00	00	00	00	00	00	38	00	
7	00	10	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
8	0F	00	23	00	00	F0	00	00	00	00	00	00	F0	00	00	00	
9	00	00	01	A0	53	43	20	20	20	20	20	20	20	20	20	20	
A	20	20	20	20	00	00	00	00	53	41	53	34	2D	37	34	37	
B	34	41	2D	30	2E	35	4D	20	30	30	@2.5G	@5.0G	@7.0G	@12.9G	46	chk01	SUM OF 80~BE
C	0B	00	00	00	←							vendor	SN	→			
D	→				←		date	code	→		20	20	00	00	70	chk02	SUM OF C0~DE
E	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
F	53	46	46	2D	38	36	33	36	52	65	76	32	2E	39	00	00	

1. length: 01h = 0.5 meter
2. vendor name: SC
3. vendor PN: SAS4-7474A-0.5M
4. chk01: low order 8 bits of the sum of the contents of all the bytes from byte 80h to byte BEh, inclusive.
5. vendor SN: 16 bytes ASCII characters, left aligned and padded on the right with ASCII spaces (20h).
6. date code: 6 bytes ASII characters, in the format of YYMMDD.
7. chk02: low order 8 bits of the sum of the contents of all the bytes from byte C0h to byte DEh, inclusive.
8. attenuation: loss at 2.5GHz, 5.0GHz, 7.0GHz, 12.9GHz(by request).
9. SFF-8636Rev2.9

SERIAL CABLES	DESC.	Mini SAS HD 4x*2 FOR SAS 4.0 CABLE ASS'Y		APPROVED	CHECKED	DESIGNED	TOLERANCE	SCALE	*	UNIT mm
	P/N	B-6835	CUSTOMER P/N SAS4-7474A-0.5M			Sino		DATE	07/26/'19	DWG NO: DWG\B\6835