

Materials:

Back/TOP Shells: Zinc Alloy over Nickel Plated.

PCB: FR-4.

Pull-Latch: Nylon(Color: Deep Blue)

Rivets: Aluminum Alloy.

Cable: Twinax Cable.

Electrical Characteristics:

Dielectric Withstanding Voltage: AC 300V.

Insulation Resistance: 100M Ω min.Contact Resistance: 25m Ω max.

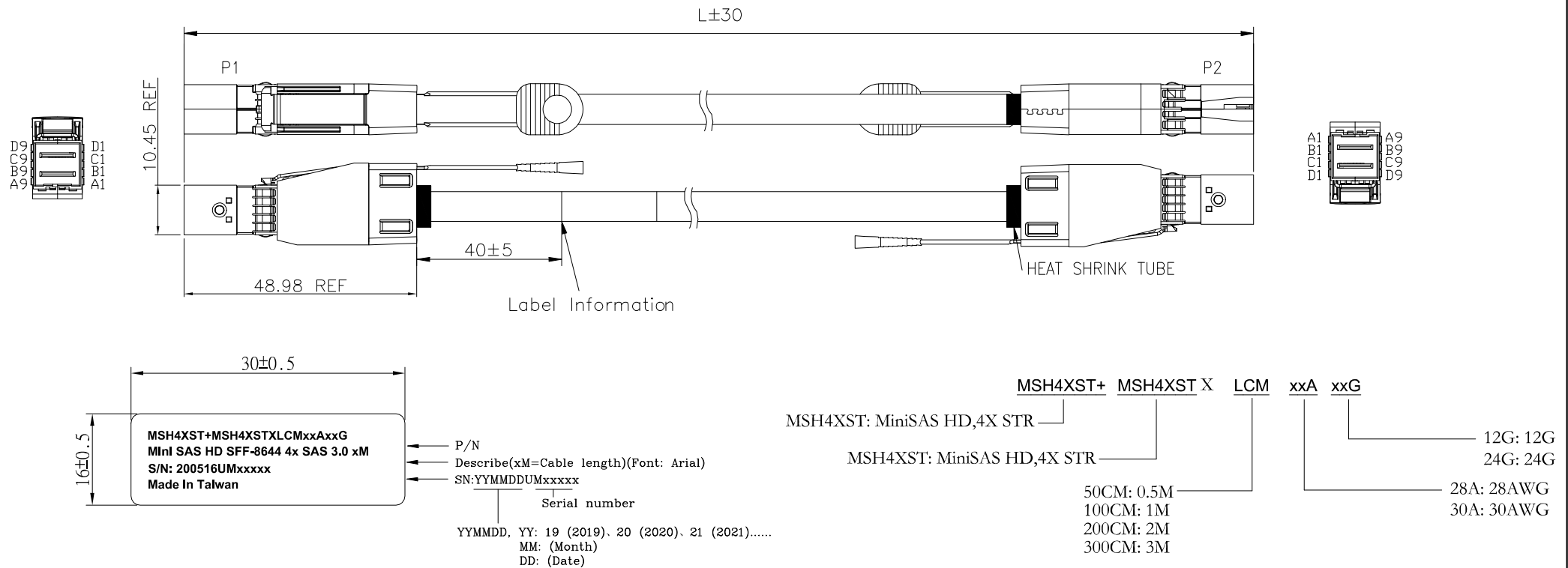
Difference Impedance: 100 ohm.

IMPEDANCE:Cable: 100 $\pm$ 5 Ohms Differential.Connector: 100 $\pm$ 10 Ohms Differential.**This Product Conforms to The Mechanical:**

Dimensioning Requirements of SFF-8644.

This Product Meets SAS3.0(Compatible With SAS2.1)**RoHs Compliant**

NOTE: 100% Open & Short & EEPROM.



Tolerances(Cable Total Length)	Drawn No.	MSH4F00001		Part No.		 OUPIIN ENTERPRISE CO., LTD.			
± 30	Projection			MSH4XST+MSH4XSTXLCMxxAxxG					
	Unit mm	Scale	1:N	Title:	Mini SAS HD SFF-8644				
	Drawn By	Martin 07/07'26		① 679	Cable Assembly, SAS 3.0				
						SHEET	1/2	Ver. No.	A1

WIRING TABLE

HIGH SPEED SIGNAL				
P1(External Mini-SAS HD)			P2(External Mini-SAS HD)	
PAD	SIGNAL		PAD	SIGNAL
D8	TX2n	— —	B8	RX2n
D7	TX2p	— —	B7	RX2p
D5	TX0n	— —	B5	RX0n
D4	TX0p	— —	B4	RX0p
C4	TX1p	— —	A4	RX1p
C5	TX1n	— —	A5	RX1n
C7	TX3p	— —	A7	RX3p
C8	TX3n	— —	A8	RX3n
B8	RX2n	— —	D8	TX2n
B7	RX2p	— —	D7	TX2p
B5	RX0n	— —	D5	TX0n
B4	RX0p	— —	D4	TX0p
A4	RX1p	— —	C4	TX1p
A5	RX1n	— —	C5	TX1n
A7	RX3p	— —	C7	TX3p
A8	RX3n	— —	C8	TX3n
GND GROUP	GND		GND GROUP	GND
GND GROUP A3,A6,A9,B3,B6,B9 C3,C6,C9,D3,D6,D9			GND GROUP A3,A6,A9,B3,B6,B9 C3,C6,C9,D3,D6,D9	
CONNECTOR SHELL			CONNECTOR SHELL	

*DC BLOCKING CAPS ON P1,P2 RX END.

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

SERIAL
EEPROM

GND

GND

N.C.

N.C.

N.C.

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± 30	Projection			MSH4XST+MSH4XSTXLCMxxAxG					
	Unit mm	Scale	1:N	Title:					
	Drawn By	Martin 07/07'26		① 679	Mini SAS HD SFF-8644 Cable Assembly, SAS 3.0				
				SHEET	2/2	Ver. No.	A1		