

RoHS COMPLIANT

CONN.#1

7.0MAX

A1

B12

A12

B1

12.85MAX

35 MAX

①②④⑤⑥⑦

6.65±0.1

800±20

35 MAX

①②④⑤⑦

6.65±0.1

CONN.#2

7.0MAX

B1

A12

B12

A1

12.85MAX

35 MAX

①②④⑤⑦

6.65±0.1

EMARK IC INFORMATION

ITEM	TEST INFORMATION	PARAMETERS
1	USB Vendor ID	060F
2	USB-IF assigned XID	211D
3	USB Product ID	271E
4	Product Type	011-Passive Cable
5	Cable Latency	0001-<10ns (~1m)
6	Cable Termination Type	00-Both ends Passive, VCONN not required
7	SuperSpeed Signling Support	100-USB4 GEN4 2*40Gbps
8	EPR Mode Capable	1-Cable is EPR Mode Capable
9	Maximum VBUS Voltage	11-50V
10	VBSU Current Capability	10-5.0A

ELECTRICAL TEST:

1. 100% OPEN & SHORT TEST

2. CONNECTION RESISTANCE: 2.0 Ohm(Max)

3. INSULATION RESISTANCE: 10M Ohm(min) AT 300VDC/10ms (EXCEPT A4, A9, B4, B9, A5, B5)

4. A4, A9, B4, B9 TO GND CAPACITOR: 8-500nF

NOTE:

1. THIS PRODUCT MEET RoHS+REACH+HF STANDARD ENVIRONMENTAL PROTECTION POLICY.

2. THE DIMENSIONAL TOLERANCE OF ONE DECIMAL POINT ON THE DRAWING IS ±0.5MM, AND THAT OF TWO DECIMAL POINTS IS ±0.25MM.

WIRE DIAGRAM

CONN.#1

A4

B4

A9

B9

C

Red

B5

Blue

A5

Blue TXp1A2

Blue TXn1A3

GreenRXp1 B11

GreenRXn1 B10

YellowTXp2 B2

YellowTXn2 B3

Red RXp2A11

Red RXn2A10

GND,A1,B1,A12,B12

Gray A8

Yellow B8

Green A6

White A7

SHELL

WIRE

PWR_VBUS1

(Red)

VCONN

CC

(SDPp1)

(SDPn1)

(SDPp2)

(SDPn2)

(SDPp3)

(SDPn3)

(SDPp4)

(SDPn4)

Drain

SBU_A

SBU_B

UTP-DP

UTP-DN

BRAID

CONN.#2

A4

B4

A9

B9

C

Blue

A5

Blue TXp1

Blue TXn1

GreenRXp1

GreenRXn1

YellowTXp1

YellowTXn1

Red RXp1

Red RXn1

GND,A1,B1,A12,B12

Gray A8

Yellow B8

Green A6

White A7

SHELL

7	Boot Plastics	Plastics Color: Black	2	EA
6	IC	Emark IC	1	EA
5	Capacitor	SMT 0402 8 - 500nF	2	EA
4	PCB	PCB FR-4	2	EA
3	Cable	(#30*1C+S+CU+MY)*8+(#34*1P)+#23*1C+#32*4C+ASS OD: 4.9mm TPE BLACK	1.05	M
2	Overmold	TPE Color: Black	A/R	G
1	Conn. #1&2	USB4 Type C (Male), Terminal Gold Plated, Shell: NI Plated	2	EA
NO.	PART NAME	SPECIFICATION DESCRIPTION	QTY	UNIT

MONOPRICE

DESCRIPTION :

Monoprice™ Thunderbolt 5 80Gbps, 240W Charging, 8K Video, 0.8M

PID #:

49895

DATE :

UNIT : MM

FILE NAME: