

RoHS COMPLIANT

CONN.#1

7.0MAX

A1

B12

A12

B1

12.85MAX

35 MAX

①②④⑤⑥⑦

6.65±0.1

1500±40

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	41BA
3	USB Product ID	272E
4	Product Type	011-Passive Cable
5	Cable Latency	0001-<10ns (~2m)
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

Red

B5

Blue

A5

Blue

TXp1A2

Blue

TXn1A3

Green

RXp1B11

Green

RXn1B10

Yellow

TXp2B2

Yellow

TXn2B3

Red

RXp2A11

Red

RXn2A10

GND,A1,B1,A12,B12

Gray

A8

Yellow

B8

Green

A6

White

A7

SHELL

CONN.#2

A4

B4

A9

B9

B5

A5

B11RXp1

B10RXn1

A2TXp1

A3TXn1

A11RXp2

A10RXn2

B2TXp2

B3TXn2

GND,A1,B1,A12,B12

B8

A8

A6

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

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

(#29*1C+S+CU+MY)*8+(#32*1P+#24*2C)+#32*4C+D+ASS
OD: 5.45mm TPE BLACK

1.55

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, 1.5M

PID #:

50154

DATE :

UNIT : MM

FILE NAME: