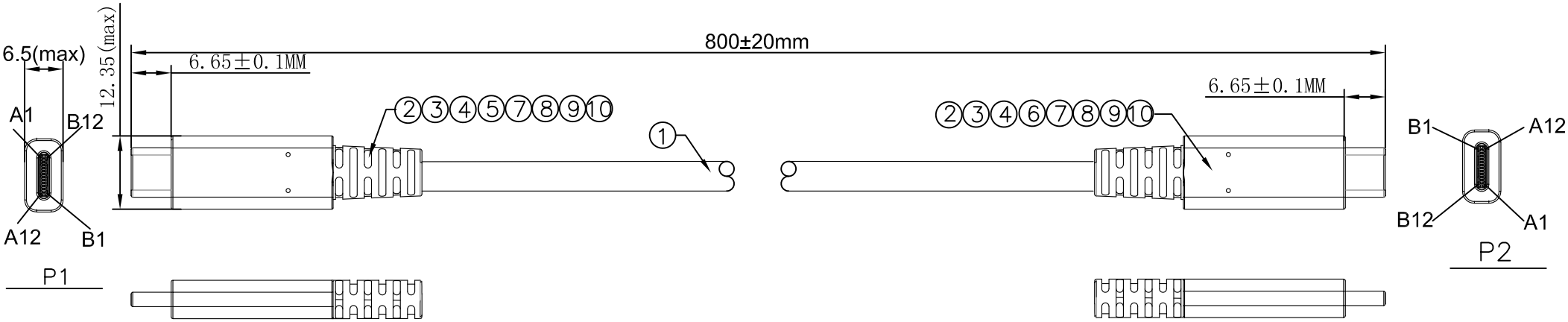
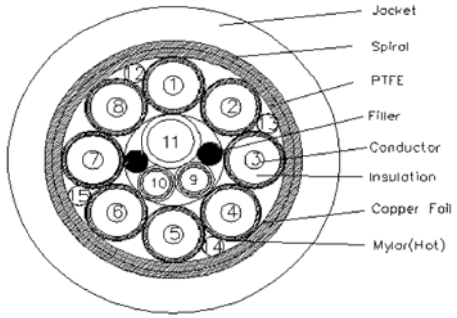
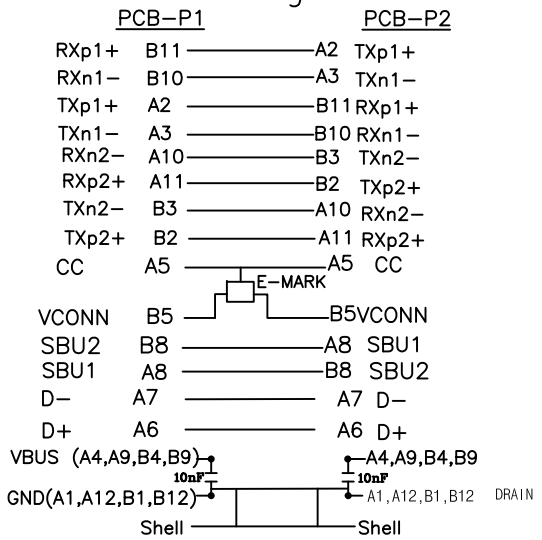


1. Test:
1. 100% short circuit, open circuit and dislocation test;
2, conduction impedance: 3 ω (Max);
3. 3% sampling characteristic attenuation test, according to USB4 test standard;



Pin Assignment



NO	ITEM	DESCRIPTION	Q'TY	UNIT
10		PVC 45P Black	12	g
9		Low pressure forming material	1	g
8		USB4 TYPE-C~COAX~on Meta Can	2	PCS
7		USB4 TYPE-C~COAX~on Under the Meta Can	2	PCS
6		USB4 TYPE C PCBA E-MARK +Connector+Capacitance	1	PCS
5		USB4.0 TYPE C PCBA PCB+Connector+Capacitance	1	PCS
4		USB3.1 TYPE-C COAX Under the Wire clip	2	PCS
3		USB3.1 TYPE-C COAX On Wire clip	2	PCS
2		Double conductive copper foil	0.07	M
1		USB4~[30AWG(7/0.108SC)+S+CU+M]*8COX+{[34AWG(7/0.06TC)+S+CU+M]*2COX+23AWG(55/0.08TC)*1C+F}+34AWG(19/0.04TC)*4C+P2S~OD:4.95MM Black	0.79	M

REV.	ECN NO	DESCRIPTION	DATE	NAME

	INCHES	M/M
.X	.015	.30
.XX	.010	.10
.XXX	.005	.05

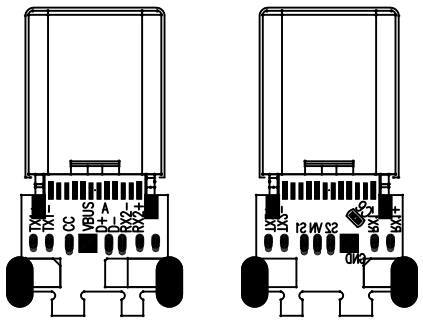
DRAWN BY	Shijie
CHECK BY	
APPD BY	

TITLE: USB4 CM TO CM COAX CABLE (E-Mark) 5A 40G L= 0.8M

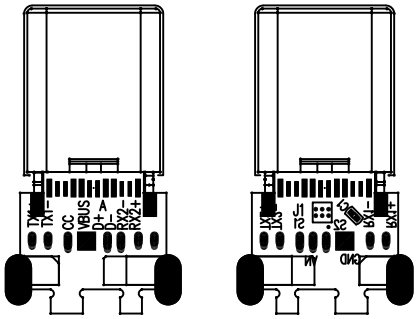
CUSTOMER :	
CUSTOMER P/N :	AC7451
SCALE	NONE
UNIT	MM
DATE	2021.11.15

DRAWING NO.: REV. A0

P1



P2



Product VDO			Cale VDO	
Product ID	0010		HW Version	0001b - 1
Device Version	0400		FW Version	0001b - 1
Cert Stat VDO			VDO Version	000b - Version 1.0
USB-IF assigned TID/XID			Type-C/Captive	10b - Type-C
ID Header (VID)			Latency	0001b - Less than 10ns (~1m)
As USB Host	0b - Others		Tem Type	01b - VCONN required
As USB device	0b - Others		Max Voltage	00b - 20V
Product Type	011b - Passive Cable		Vbus Current	10b - 5A
Modal Operation	1b - Support Modal Operation		SS Signaling	011b - USB4 Gen3
USB Vendor ID	2095		**Thunderbolt Mode VDO**	
Connector Type	11b - USB Type-C Plug (USB4 Gen3)		TBT Rounded	01b - 3rd & 4th Gen Rounded and Non-Rounded TBT

REV.	ECN NO	DESCRIPTION	DATE	NAME

TOLERANCE	INCHES	M/M
.X	.015	.30
.XX	.010	.10
.XXX	.005	.05

TITLE: USB4 CM TO CM COAX CABLE (E-Mark) 5A 40G L= 0.8M

DRAWN BY	Shijie	CUSTOMER :	
		CUSTOMER P/N :	AC7451
CHECK BY		SCALE NONE	DRAWING NO.: REV. A0
APPD BY		UNIT MM	2/2
		DATE 2021.11.15	

Notice of USB–IF Certification

Date: 2022-06-15

TID 7831, listed as Marketing Name: USB4 40G USB Type-C To USB Type-C Cable Assembly Gen3 0.8M 5A 240W(EPR) With E-Mark Part Number: AC7451 has passed USB–IF Compliance testing and is listed on the Integrators list as certified by ACT. Testing for this product was performed at Allion Labs, Inc. - Taiwan.

The most current information is always posted on the Integrators List at www.usb.org. Please feel free to contact admin@usb.org if you have any questions.

USB–IF Administration