



**THIS PRODUCT MANUFACTURED  
WITH LEAD-FREE PROCESSING**

DO NOT  
SCALE FROM  
THIS PRINT

**DESIGNED AND DIMENSIONED IN MILLIMETERS[INCHES]  
ALL DIMENSIONS REFERENCE EXCEPT AS SHOWN**

BCU-C-X-X.XX-XX-P

END 1  
-C: SEALED TYPE C PLUG

PLATING  
-S: CONTACT AREA 30μ" GOLD

STYLE  
-P: PLASTIC

END 2  
-UC: UNSEALED TYPE C PLUG  
-SC: SEALED TYPE C PLUG  
-BC: BLUNT CUT

ASSEMBLED LENGTH  
-0.50: (0.5 M) CABLE  
-1.00: (1 M) CABLE  
-2.00: (2 M) CABLE  
STANDARD LENGTH  
(SEE NOTE 2 & 3)

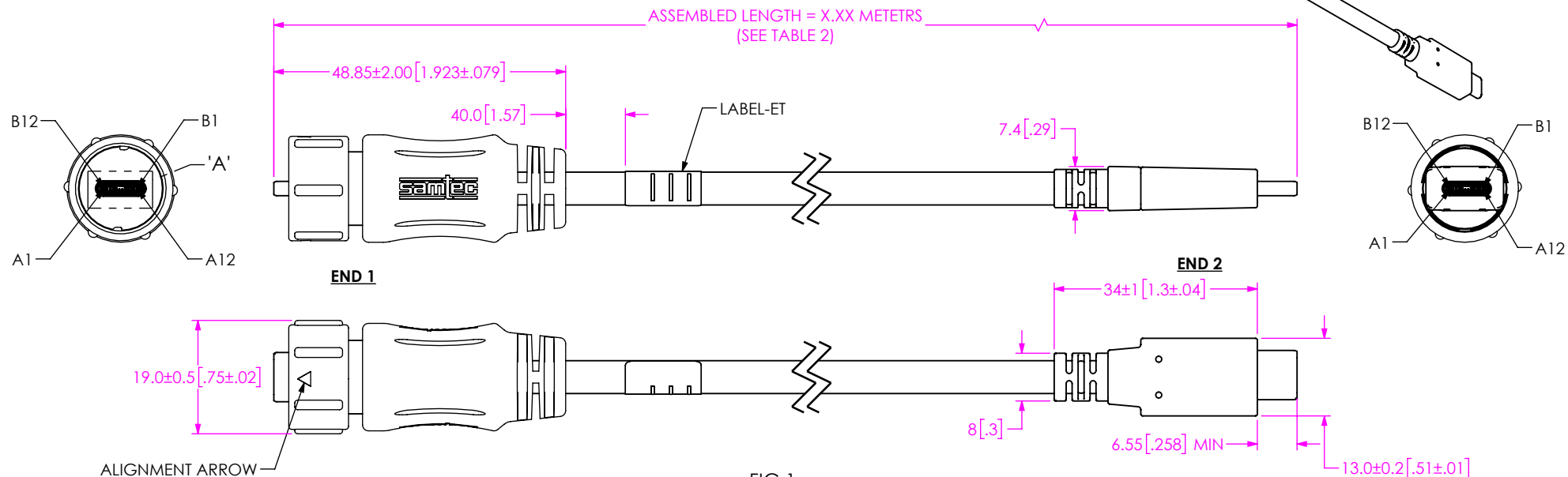


FIG 1  
BCU-C-X-X.XX-UC-P SHOWN

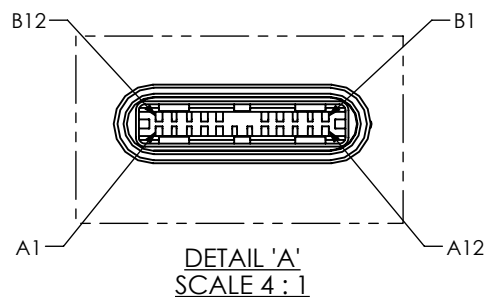


TABLE 2	
ASSEMBLED LENGTH	TOLERANCE
≤0.25M	+25 MM
0.5M-1.5M	+50 MM
2.0M	+100 MM

NOTES:

1. END 1 MATING WITH BRU-C-P OR BPCU-C-X-X.XX-XX-P.
2. CABLE LENGTH 2M MAX. OTHER LENGTH REQUIRE MOQ.
3. CABLE LENGTHS ABOVE 0.8M FOR GEN2 AND 1.5M FOR GEN1 ARE NOT SUPPORT WITH SI DATA.

c:\enterprisevault\DWG\MISC\MKTG\BCU-C-X-X.XX-XX-P-MKT.SLDDRW

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DO NOT SCALE DRAWING SHEET SCALE: 1:1 MATERIAL:

LOCK NUT: THERMOPLASTIC, COLOR: BLACK  
RUBBER PAD: SILICONE, COLOR: BLACK  
OVER MOLD & INNER MOLD: PVC, COLOR: BLACK

**samtec**

520 PARK EAST BLVD, NEW ALBANY, IN 47150  
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e-Mail: info@SAMTEC.com code 55322

DESCRIPTION: USB-C CABLE ASSEMBLY

DWG. NO. BCU-C-X-X.XX-XX-P

BY: JACK Z 2/21/2022 SHEET 1 OF 4

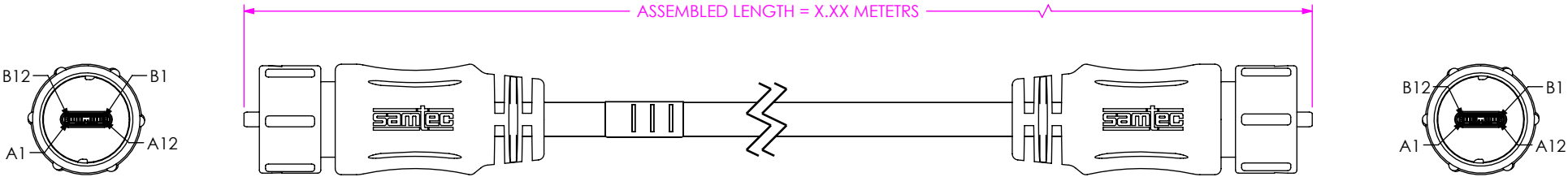


FIG 2  
BCU-C-X-X.XX-SC-P SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

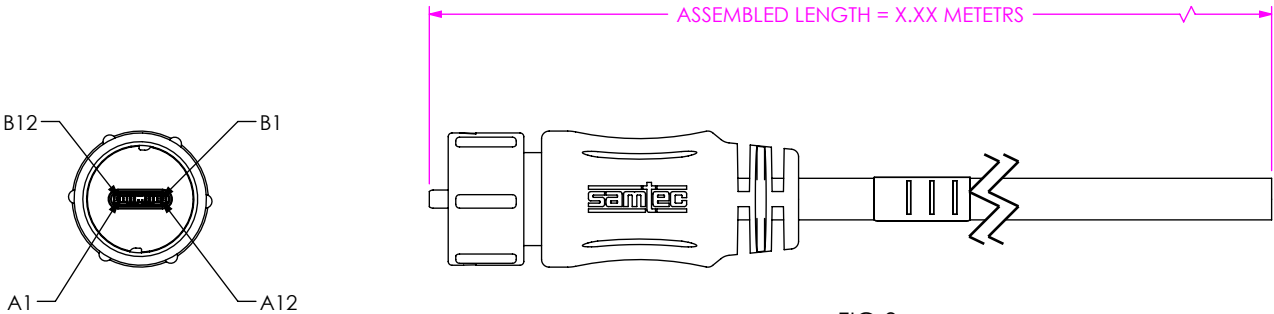


FIG 3  
BCU-C-X-X.XX-BC-P SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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BY: JACK Z 2/21/2022 SHEET 2 OF 4

TABLE 1: PIN-OUT				
END 1	COLOR	END 2		
		-UC	-SC	-BC
A1	DRAIN	A1	A1	NC
A2	YELLOW (BLUE MYLAR)	B11	B11	
A3	BLUE (BLUE MYLAR)	B10	B10	
A4	RED (24 AWG)	A4	A4	
A5	BLUE (32 AWG)	A5	A5	
A6	GREEN	A6	A6	
A7	WHITE	A7	A7	
A8	RED (32 AWG)	B8	B8	
A9	RED (24 AWG)	A9	A9	
A10	VIOLET (SILVER MYLAR)	B3	B3	
A11	ORANGE (SILVER MYLAR)	B2	B2	
A12	DRAIN	A12	A12	
B1	DRAIN	B1	B1	
B2	YELLOW (SILVER MYLAR)	A11	A11	
B3	BLUE (SILVER MYLAR)	A10	A10	
B4	RED (24 AWG)	B4	B4	
B5	YELLOW (32 AWG)	B5	B5	
B6	NO CONNECTED	B6	B6	
B7	NO CONNECTED	B7	B7	
B8	BLACK (32 AWG)	A8	A8	
B9	RED (24 AWG)	B9	B9	
B10	VIOLET (BLUE MYLAR)	A3	A3	
B11	ORANGE (BLUE MYLAR)	A2	A2	
B12	DRAIN	B12	B12	

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SHEET SCALE: 1:1



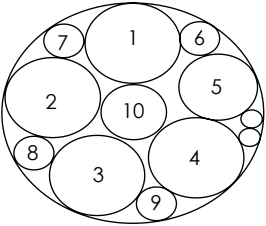
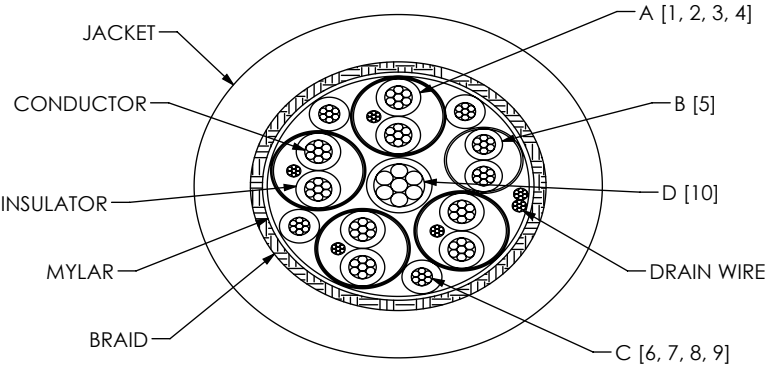
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USB-C CABLE ASSEMBLY

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BCU-C-X-X.XX-XX-P

BY: JACK Z 2/21/2022 SHEET 3 OF 4

CABLE SPECIFICATION						
JACKET	MATERIAL	--	TPE			
	DIAMETER	mm	4.8 ±0.15			
	AVERAGE THICKNESS	mm	0.40 REF			
CONSTRUCTION ITEM			CONSTRUCTION ITEM A	CONSTRUCTION ITEM B	CONSTRUCTION ITEM C	CONSTRUCTION ITEM D
CONDUCTORS	MATERIAL	--	TINNED COPPER	TINNED COPPER	TINNED COPPER	TINNED COPPER
	CONSTRUCTION AWG	AWG	32	32	32	24
INSULATORS	MATERIAL	--	PP	PP	PP	PP
	AVERAGE THICKNESS	mm	0.18 REF	0.18 REF	0.15 REF	0.15 REF
MYLAR	MATERIAL	--	AL-FOIL/ MYLAR			
BRAID	MATERIAL	--	TINNED COPPER			
DRAIN WIRE	MATERIAL	--	TINNED COPPER			
	CONSTRUCTION AWG	AWG	24			



- COLOR CODE**
- 1. YELLOW \* BLUE (BLUE MYLAR)
  - 2. VIOLET \* ORANGE (BLUE MYLAR)
  - 3. YELLOW \* BLUE (SILVER MYLAR)
  - 4. VIOLET \* ORANGE(SILVER MYLAR)
  - 5. GREEN \* WHITE
  - 6. BLACK
  - 7. BLUE
  - 8. RED
  - 9. YELLOW
  - 10. RED

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