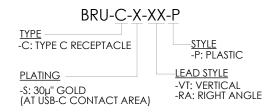
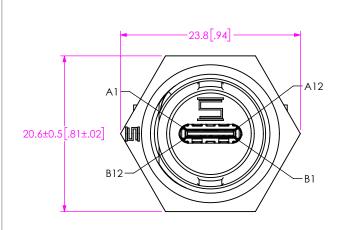
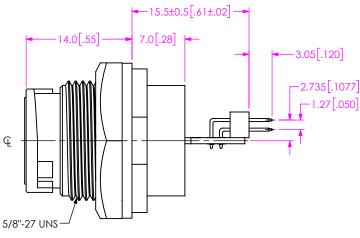


HEX NUT







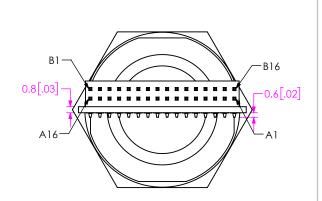


FIG 1 BRU-C-X-VT-P SHOWN

### NOTES:

- 1. RECOMMEND PANEL THICKNESS: 0.8[.03] TO 3.0[.12].
- 2. RECOMMEND TORQUE: 9~10 KGF-CM.
- 3. MATING DUST CAP P/N: DCA-BRU-C-01.
- 4. MATING USB C CABLE: BCU-C-X-X.XX-XX-P.
- 5. PARTS TO BE PACKAGED IN TRAY.



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DO NOT SCALE DRAWING MATERIAL:
HOUSING: THERMOPLASTIC, COLOR: BLACK GASKET: SILICONE, COLOR: BLACK HEX NUT: THERMOPLASTIC, COLOR: BLACK

HOLD: SILICONE, COLOR: BLACK
GLUE: EPOXY, COLOR: BALCK
CONITACT: COPPER ALLOY
PIRADER: 1/F GOLD
c:\enterprisevoult\DWG\MSC\MKTG\brackBRU-C-X-XX-P-MKT.SLDDRW

BY: JACK Z

SHEET SCALE: 2:1 DESCRIPTION:

**USB-C PANEL MOUNT CONNECTOR** 

520 PARK EAST BLVD, NEW ALBANY, IN 47150

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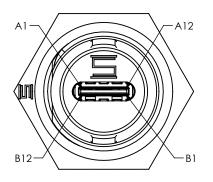
e-Mail info@SAMTEC.com

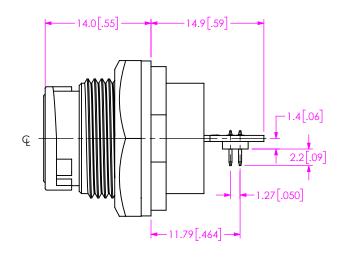
DWG. NO.

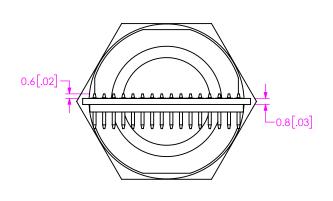
BRU-C-X-XX-P

2/21/2022 | SHEET 1 OF 3

FAX: 812-948-5047







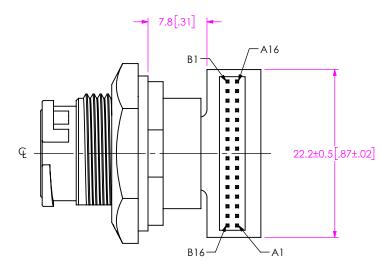


FIG 2 BRU-C-X-RA-P SHOWN (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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HATERIAL:
HOUSING: THERMOPLASTIC, COLOR: BLACK
GASKET: SILICONE, COLOR: BLACK
HCLD: SILICONE, COLOR: BLACK
HCLD: SILICONE, COLOR: BLACK
GOLD: FOR COLOR: BLACK
OOL: FOR COLOR: FOR COLOR: BLACK
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520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322

SHEET SCALE: 2:1 DESCRIPTION:

**USB-C PANEL MOUNT CONNECTOR** 

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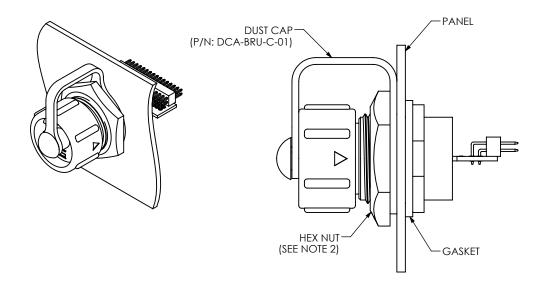
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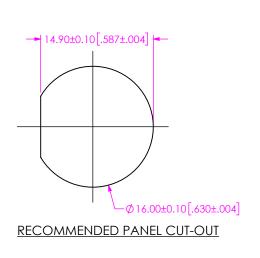
2/21/2022 SHEET 2 OF 3

BY: JACK Z

# **REVISION A**

### **APPLICATION VIEW**





USB-C         PIN HEADER           POS         NAME           A1         GND           A2         TX1+           A3         TX1-           A4         +V           A5         CC1           A6         D1+           A7         D1-           A8         SBU1           A9         +V           A10         GND           A11         RX2-           A12         GND           B12         GND           B11         RX1-           B9         +V           B0         RX1-           B1         RX1-           B1         GND           B1         TX2-           B1         FX1-           B1         GND           B1         FX2-           B1         FX1-           B1         GND           B1         FX2-           B1         FX2-           B1         FX2-           B2         FV           B3         NC           B4         FY           B5         FY           B9 <td< th=""><th colspan="5">PIN OUT TABLE</th></td<>	PIN OUT TABLE				
A1 GND A2 TX1+ A3 TX1- A4 +V A4 GND A5 CC1 A5 TX1+ A6 D1+ A6 D1+ A7 D1- A8 SBU1 A9 +V A9 D1- A10 RX2- A11 RX2+ A12 GND B12 GND B11 RX1+ B10 RX1- B9 +V B9 +V B6 D2+ B6 D2+ B7 D2- B6 D2+ B7 D2- B8 SBU2 B4 +V B3 TX2- B1 GND B1 GND B8 D2+ B1 GND B8 D2+ B1 GND B8 D2- B10 SBU2 B11 CC1 B12 +V B13 HV B14 NC B15 +V	USB-C		PIN HEADER		
A2 TX1+ A3 TX1- A4 +V A4 GND A5 CC1 A5 TX1+ A6 D1+ A7 D1- A8 SBU1 A9 +V A9 D1- A10 RX2- A11 RX2+ A11 RX2+ A12 GND B11 RX1+ B12 GND B11 RX1+ B10 RX1- B9 +V B9 +V B7 D2- B6 D2+ B8 SBU2 B1 +V B3 TX2- B1 GND B					
A3 TX1- A4 +V A4 GND A5 CC1 A5 TX1+ A6 D1+ A6 TX1- A7 D1- A8 SBU1 A9 +V A9 D1- A10 RX2- A12 GND B11 RX1+ B12 GND B11 RX1+ B10 RX1- B9 +V B9 +V B7 D2- B6 D2+ B6 D2+ B7 D2- B8 SBU2 B1 +V B3 TX2- B1 GND B1 GN		GND		GND	
A4 +V A4 GND A5 CC1 A5 TX1+ A6 D1+ A6 TX1- A7 D1- A7 GND A8 SBU1 A8 D1+ A9 +V A9 D1- A10 RX2- A11 RX2+ A11 RX2- A12 GND A12 RX2+ B12 GND A13 GND B11 RX1+ A14 TX2- B10 RX1- B9 +V A16 GND B8 SBU2 B7 D2- B8 SBU2 B7 D2- B8 SBU2 B1 +V B7 D2- B6 D2+ B3 NC B5 CC2 B4 +V B3 TX2- B1 GND B1 GND B8 D2+ B1 GND B8 D2+ B1 GND B8 D2- B10 SBU2 B11 CC1 B12 +V B13 HV B14 NC B15 +V	A2	TX1+	A2	RX1+	
A5 CC1 A5 TX1+ A6 D1+ A6 TX1- A7 D1- A7 GND A8 SBU1 A8 D1+ A9 +V A9 D1- A10 RX2- A11 RX2+ A11 RX2- A12 GND A12 RX2+ B12 GND A13 GND B11 RX1+ A14 TX2- B10 RX1- B9 +V A16 GND B8 SBU2 B7 D2- B8 SBU2 B7 D2- B6 D2+ B3 NC B5 CC2 B4 +V B3 TX2- B1 GND B8 D2+ B1 GND B8 D2+ B1 GND B8 D2- B10 SBU2 B11 CC1 B12 +V B13 HV B14 NC B15 +V	A3	TX1-	A3	RX1-	
A6       D1+       A6       TX1-         A7       D1-       A7       GND         A8       SBU1       A8       D1+         A9       +V       A9       D1-         A10       RX2-       A10       GND         A11       RX2+       A11       RX2-         A12       GND       A13       GND         B11       RX1+       A14       TX2-         B10       RX1-       A15       TX2+         B9       +V       A16       GND         B8       SBU2       B1       +V         B7       D2-       B2       +V         B6       D2+       B3       NC         B5       CC2       B4       +V         B4       +V       B5       +V         B3       TX2-       B6       CC2         B2       TX2+       B7       SBU1         B9       D2-       B10       SBU2         B11       CC1       B12       +V         B13       +V       B14       NC         B15       +V       B15       +V	A4	+\	A4	GND	
A7 D1- A8 SBU1 A8 D1+ A9 +V A9 D1- A10 RX2- A10 GND A11 RX2+ A11 RX2- A12 GND B12 GND B11 RX1+ B10 RX1- B9 +V B7 D2- B6 D2+ B6 D2+ B7 D2- B6 D2+ B7 D2- B8 SBU2 B1 +V B7 D2- B6 D2+ B7 D2- B8 SBU2 B1 +V B7 D2- B6 D2+ B7 D2- B8 SBU2 B1 +V B7 D2- B9 SBU2 B1 +V B1 GND B8 D2- B10 SBU2 B11 CC1 B12 +V B13 +V B14 NC B15 +V	A5	CC1	A5	TX1+	
A8 SBU1 A9 +V A9 D1- A10 RX2- A11 RX2+ A11 RX2- A12 GND B12 GND B11 RX1+ B10 RX1- B9 +V B7 D2- B6 D2+ B6 D2+ B7 D2- B8 SBU2 B4 +V B5 +V B3 TX2- B1 GND B1 GND B8 D2+ B1 GND B8 D2+ B1 GND B8 D2- B1 GND B8 D2- B1 CC1 B1 GND B8 D2- B10 SBU2 B11 CC1 B12 +V B13 HV B14 NC B15 +V	A6	D1+	A6	TX1-	
A9 +V A9 D1- A10 RX2- A11 RX2+ A11 RX2- A12 GND B12 GND B11 RX1+ B10 RX1- B9 +V A16 GND B8 SBU2 B7 D2- B6 D2+ B6 D2+ B7 D2- B6 D2+ B7 D2- B8 SCC2 B4 +V B3 TX2- B1 GND B8 D2+ B1 GND B8 D2- B10 SBU2 B11 CC1 B12 +V B13 +V B14 NC B15 +V	A7	D1-	A7	GND	
A10 RX2- A11 RX2+ A11 RX2- A12 GND B12 GND B11 RX1+ B10 RX1- B9 +V B8 SBU2 B7 D2- B6 D2+ B7 D2- B6 D2+ B7 CC2 B4 +V B3 TX2- B9 TX2- B9 TX2- B9 TX2- B9 TX2- B1 GND B8 D2+ B1 GND B8 D2- B1 CC1 B1 GND B8 D2- B1 CC1 B1 GND B8 D2- B1 GND B1 GND	A8	SBU1	A8	D1+	
A11 RX2+ A12 GND B12 GND B11 RX1+ B10 RX1- B9 +V B8 SBU2 B1 +V B7 D2- B6 D2+ B6 D2+ B7 CC2 B4 +V B3 TX2- B1 GND B1 GND B8 D2+ B1 GND B1 GND B1 GND B1 CC1 B12 +V B13 +V B14 NC B15 +V	A9	+\/	A9	D1-	
A12         GND         A12         RX2+           B12         GND         A13         GND           B11         RX1+         A14         TX2-           B10         RX1-         A15         TX2+           B9         +V         A16         GND           B8         SBU2         B1         +V           B6         D2+         B3         NC           B5         CC2         B4         +V           B3         TX2-         B6         CC2           B2         TX2+         B7         SBU1           B1         GND         B8         D2+           B9         D2-         B10         SBU2           B11         CC1         B12         +V           B13         +V         B14         NC           B15         +V         B15         +V	A10	RX2-	A10	GND	
B12         GND           B11         RX1+           B10         RX1-           B9         +V           B8         SBU2           B1         +V           B6         D2+           B5         CC2           B4         +V           B3         TX2-           B6         CC2           B4         +V           B3         TX2-           B6         CC2           B2         TX2+           B7         SBU1           B8         D2+           B9         D2-           B10         SBU2           B11         CC1           B12         +V           B13         +V           B14         NC           B15         +V	A11	RX2+	A11	RX2-	
B11 RX1+ B10 RX1- B10 RX1- B9 +V B9 +V A16 GND B8 SBU2 B1 +V B7 D2- B6 D2+ B3 NC B5 CC2 B4 +V B3 TX2- B6 CC2 B2 TX2+ B1 GND B8 D2+ B9 D2- B10 SBU2 B11 CC1 B12 +V B13 +V B14 NC B15 +V	A12	GND	A12	RX2+	
B10 RX1- B9 +V B8 SBU2 B7 D2- B6 D2+ B3 NC B5 CC2 B4 +V B3 TX2- B6 CC2 B2 TX2+ B1 GND B8 D2+ B9 D2- B10 SBU2 B11 CC1 B12 +V B13 +V B14 NC B15 +V	B12	GND	A13	GND	
B9 +V B1 +V B2 +V B3 NC B4 +V B5 +V B3 TX2- B6 CC2 B4 +V B7 SBU1 B1 GND B8 D2- B10 SBU2 B11 CC1 B12 +V B13 +V B14 NC B15 +V	B11	RX1+	A14	TX2-	
B9 +V B1 +V B2 +V B3 NC B4 +V B5 +V B3 TX2- B6 CC2 B4 +V B7 SBU1 B1 GND B8 D2- B10 SBU2 B11 CC1 B12 +V B13 +V B14 NC B15 +V	B10	RX1-	A15	TX2+	
B7 D2- B6 D2+ B3 NC B5 CC2 B4 +V B4 +V B5 +V B3 TX2- B6 CC2 B2 TX2+ B1 GND B8 D2+ B9 D2- B10 SBU2 B11 CC1 B12 +V B13 +V B14 NC B15 +V	В9		A16	GND	
B6 D2+ B3 NC B5 CC2 B4 +V B4 +V B5 +V B3 TX2- B6 CC2 B2 TX2+ B7 SBU1 B1 GND B8 D2+ B9 D2- B10 SBU2 B11 CC1 B12 +V B13 +V B14 NC B15 +V	B8	SBU2	B1	+\	
B5 CC2 B4 +V B4 +V B5 +V B3 TX2- B6 CC2 B2 TX2+ B1 GND B8 D2+ B9 D2- B10 SBU2 B11 CC1 B12 +V B13 +V B14 NC B15 +V	B7	D2-	B2	+\	
B4 +V B5 +V B3 TX2-B6 CC2 B2 TX2+B7 SBU1 B1 GND B8 D2+B10 SBU2 B11 CC1 B12 +V B13 +V B14 NC B15 +V	В6	D2+	B3		
B3 TX2- B2 TX2+ B7 SBU1 B1 GND B8 D2- B9 D2- B10 SBU2 B11 CC1 B12 +V B13 +V B14 NC B15 +V	B5				
B2 TX2+ B7 SBU1 B1 GND B8 D2+ B9 D2- B10 SBU2 B11 CC1 B12 +V B13 +V B14 NC B15 +V	B4	+\	B5	+\	
B1 GND B8 D2+ B9 D2- B10 SBU2 B11 CC1 B12 +V B13 +V B14 NC B15 +V	В3	TX2-	B6	CC2	
B9 D2- B10 SBU2 B11 CC1 B12 +V B13 +V B14 NC B15 +V	B2	TX2+	B7	SBU1	
B10 SBU2 B11 CC1 B12 +V B13 +V B14 NC B15 +V	B1	GND	B8	D2+	
B11 CC1 B12 +V B13 +V B14 NC B15 +V			B9	D2-	
B12 +V B13 +V B14 NC B15 +V					
B13 +V B14 NC B15 +V					
B14 NC B15 +V					
B15 +V					
B16 +V					
			B16	+\/	

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DESCRIPTION:

**USB-C PANEL MOUNT CONNECTOR** 

DWG. NO.

BRU-C-X-XX-P

BY: JACK Z

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