

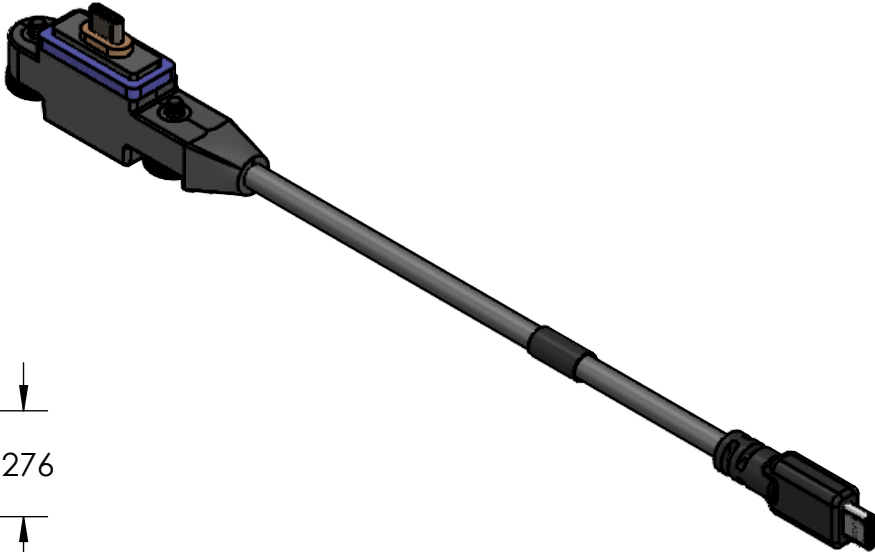
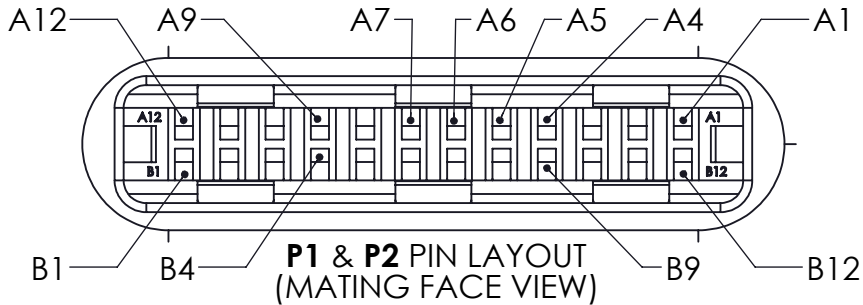
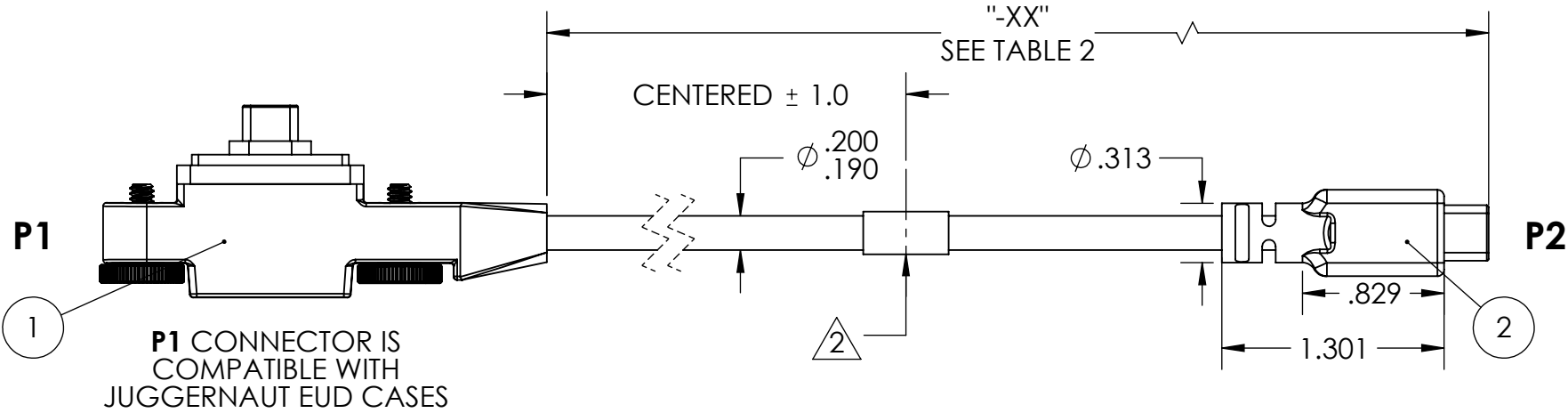
TABLE 1: WIRE RUN LIST		
P1	WIRE COLOR	P2
A4, A9, B4, B9	RED	A4, A9, B4, B9
A5	BLUE	A5
A6	GREEN	A6
A7	WHITE	A7
A1, A12, B1, B12, SHELL	SHIELD, ALL DRAIN WIRES	A1, A12, B1, B12, SHELL
N/C	BLACK*	N/C
	BROWN*	

- E-MARKER LOCATED AT P2 CONNECTOR.
- E-MARKER RATES CABLE FOR 20V, 5A.
- 10nF CAPACITOR BETWEEN VBUS AND GND WITHIN EACH PLUG.

TABLE 2: WIRE LENGTH TABLE		
"-XX"	LEGNTH (INCHES)	TOLERANCE (IN.)
03	36.0	±0.5
06	72.0	±2.0
08	98.0	±4.0

REVISIONS			
REV.	DESCRIPTION	DATE	ENG
A	INITIAL RELEASE	12/16/2025	MOB
B	UPDATED BOM	01/29/2026	CWA
C	ADDED SHEET 2	08/17/2026	CWA

*UNUSED WIRES MUST BE CAPPED AND STOWED



BILL OF MATERIALS			
ITEM NO.	PART NO.	QTY	NAME/DESCRIPTION
1	CONN-JGQD-ASSY	1	DOUBLE ENDED USB-C JG QD CABLE, 6C, 1X SHIELDED PAIR 90 OHM IMPEDANCE, FEP INSULATION, OVERALL BRAIDED SHIELD, SANTOPRENE JKT, .190-.200 DIA.
1.1	954 OR EQUIVALENT	1	USB-C PLUG WITH BREAKOUT PCB
1.2	SN-JG-INSERT	2	THREADED INSERT, 6-32, PARTIALLY THREADED
1.3	SN-JG-THUMB	2	THUMBWHEEL
1.4	SN-JG-G1	1	GASKET, JUGGERNAUT CASE SEAL
1.5	SN-JG-G2	1	GASKET, USB-C EUD PORT SEAL
2	SN-2013-E-XX	0.5	DOUBLE ENDED USB-C MALE CABLE, E-MARKED
2.1	USBC-PD-22/28-SP	AR	CABLE, 6C, (3) AWG 22, (1) AWG 29, 1X AWG 28 90 OHM TWISTED PAIR, OVERALL BRAIDED SHIELD, SANTOPRENE JKT, OD: .190-.200 IN.
2.2	28-0010939	2	USB-C PLUG, E-MARK

NOTES:

1. WIRING SHALL BE DONE IN ACCORDANCE WITH TABLE 1 WIRE RUN LIST.

2. MARKING REQUIREMENTS:

- A. LABEL(S) SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-130 APPLICABLE.
- B. LABEL(S) SHALL BE BLACK WITH WHITE TEXT.
- C. LABEL(S) SHALL BE PLACED WHERE SHOWN IN DRAWING.
- D. HEAT SHRINK LABEL(S) TO BE USED.
- E. LABEL(S) SHALL BE MARKED WITH THE BELOW INFORMATION ONLY. REV MARKING PER PO.
(YYYY = YEAR OF MFG, MM = MONTH OF MFG, DD = DAY OF MFG, XXXX = PO NUMBER)

PN: SN-CBL-QDC2-XX REV. X
CAGE: 1HJX9
LOT: TYYYYMMDDPXXXXX

3. PACKAGING REQUIREMENTS:

- A. EACH COMPLETED ASSEMBLY SHALL BE PACKAGED IN A ZIP POLYBAG.
- B. CONNECTOR(S) SHALL BE PACKAGED TO PREVENT DAMAGE DURING SHIPPING. BUBBLE WRAP OR PROTECTIVE COVER MUST BE USED.
- C. POLYBAG SHALL BE MARKED WITH SUPPLYNET LOGO, PRODUCT QR CODE, PART NUMBER, CAGE CODE, AND LOT NO, PER SN-STD-LBL REQUIREMENTS.

4. WORKMANSHIP REQUIREMENTS:

- A. MANUFACTURE TO IAW/WHMA A-620 CLASS 2 REQUIREMENTS.
- B. SOLDERING SHALL BE COMPLIANT WITH IAW J-STD-001 AS APPLICABLE.
- C. CONNECTOR(S) AND WIRE SHALL BE FREE FROM ANY SCRATCHES, CHIPS, AND DEFECTS.

5. INSPECTION REQUIREMENTS:

- A. EACH COMPLETED ASSEMBLY TO BE 100% TESTED FOR SHORTS, CONTINUITY, AND JACKET RESISTANCE (250V @100MOHM MIN.)
- B. INSPECT TO IPC/WHMA A-620 CLASS 2 REQUIREMENTS.

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	SupplyNet DESIGN ENGINEERING MANUFACTURING	
DIMENSIONS ARE IN: INCHES TOLERANCES: .XX: ± 0.03 .XXX: ± 0.005 ANGULAR: .X*: 1° .XX*: 0.5° BREAK EDGES: .005 - .020 FILLETS: .005 - .020 SUFACE FINISH: GEOMETRIC TOLERANCING PER: ASME Y14.5 -2009 MATERIAL: SEE DRAWING NOTES FINISH: SEE DRAWING NOTES DO NOT SCALE DRAWING	DRAWN	MOB	12/16/2025	TITLE: JUGGERNAUT USB-C TO USB-C STRAIGHT CABLE, E-MARKED, USB 2.0, VARIABLE LENGTH	
	CHECKED	RB	12/16/2025		
	COMMENTS:			SIZE B DWG. NO. SN-CBL-QDC2-XX REV C	
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CAGE CODE: 1HJX9		SCALE: NA	WEIGHT:	SHEET 1 OF 1	