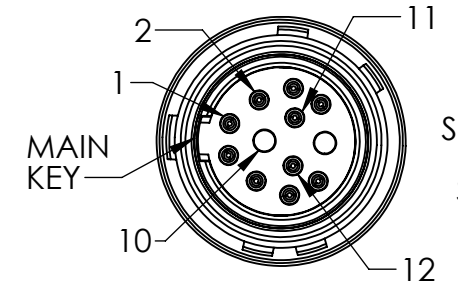
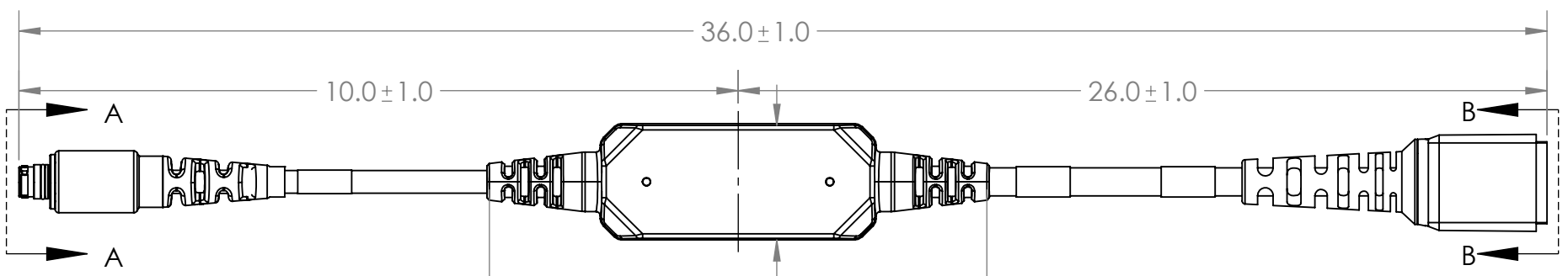
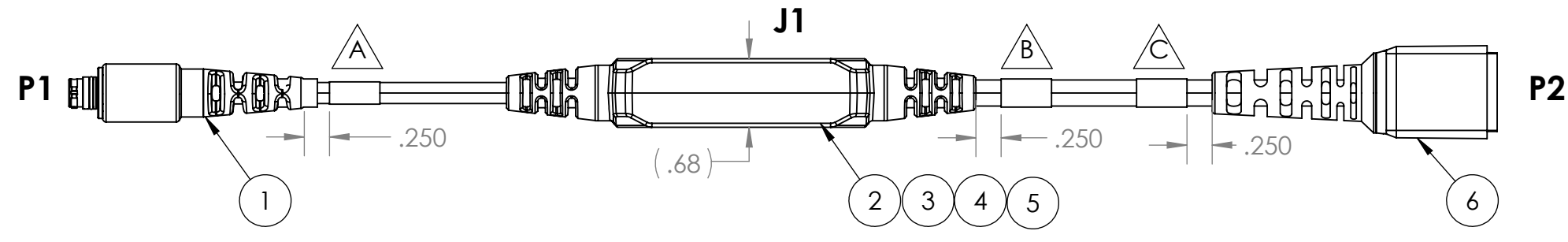
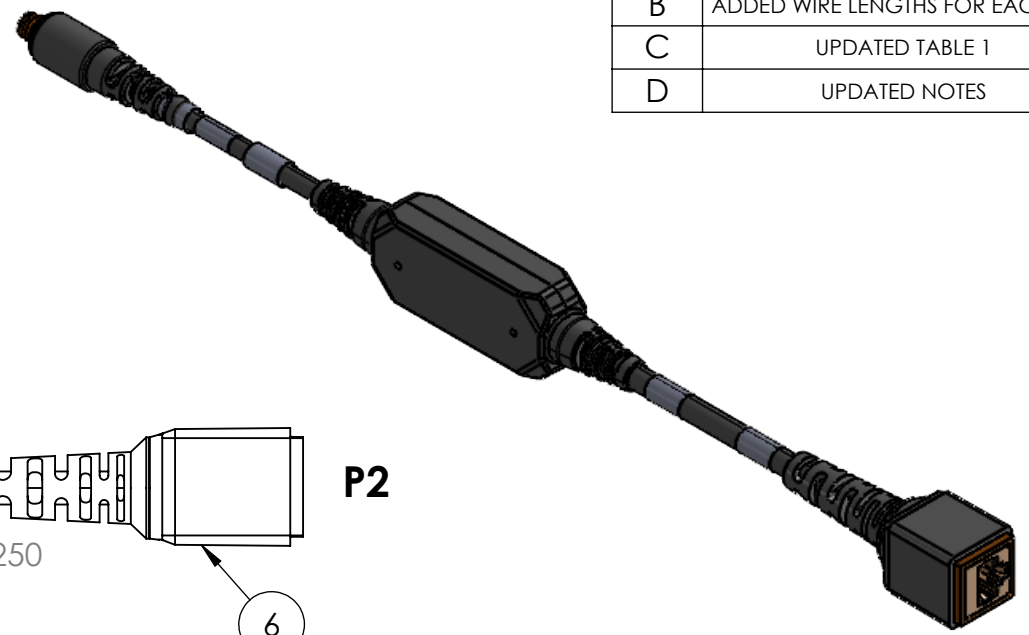


TABLE 1: WIRE RUN					
P1	WIRE COLOR	J1 USB SIDE	J1 ETH SIDE	WIRE COLOR	P2
5	BLACK	USB-GND	RX+	WHITE	1
3	WHITE	USB_D-	RX-	BLUE	2
4	GREEN	USB_D+	TX+	WHITE	3
10	BLUE	VBUS	TX-	ORANGE	6
12	RED	USB_VCC			
SHELL	SHIELD	SHELL	SHIELD	SHELL	SHELL

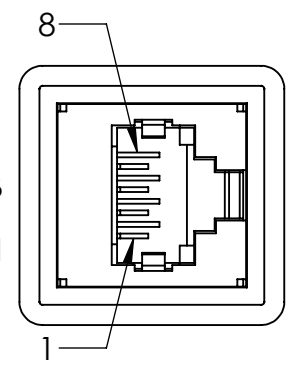
REVISIONS			
REV.	DESCRIPTION	DATE	ENG
B	ADDED WIRE LENGTHS FOR EACH LEG	04/12/2023	MOB
C	UPDATED TABLE 1	06/14/2023	DR
D	UPDATED NOTES	03/04/2024	CWA

TWISTED PAIR
JUMPED

TWISTED PAIR
TWISTED PAIR



SECTION A-A
P1 PINOUT
SCALE 4 : 1



SECTION B-B
P2 PINOUT
SCALE 1.5 : 1

TABLE 2: LABEL IDENTIFICATION		
ITEM NO.	LABEL TEXT	NOTES
A	PRC-163 J1/J2 HOST	SEE NOTE 2. REV. MARKING PER PO.
B	SN-12193-0396-A003 REV. X CAGE: 1HJX9 LOT:YYYYMMDDPXXXXX	
C	ETHERNET	

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 AS APPLICABLE.
 - B. LABEL(S) SHALL BE BLACK WITH WHITE TEXT.
 - C. LABEL(S) SHALL BE PLACED WHERE SHOWN IN DRAWING.
 - D. POLYOLEFIN HEAT SHRINK LABEL(S) MAY BE USED.
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:
 DIMENSIONS ARE IN: INCHES
 TOLERANCES: .XX: ± 0.03
 .XXX: ± 0.005
 ANGULAR: .X°: 1°
 .XX°: 0.5°
 BREAK EDGES: .005 - .020
 FILLETS: .005 - .020
 SURFACE FINISH:
 GEOMETRIC TOLERANCING
 PER: ASME Y14.5 -2009
 MATERIAL: SEE DRAWING NOTES
 FINISH: SEE DRAWING NOTES
 DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	MOB	11/03/22
CHECKED	RB	11/03/22
COMMENTS:		

REF. NUMBER: SN0952

SupplyNet DESIGN ENGINEERING MANUFACTURING

TITLE: **AN/PRC-163 ETHERNET OVER USB, RADIO HOST**

SIZE B	DWG. NO. SN-12193-0396-A003	REV D
SCALE: NA	WEIGHT:	SHEET 1 OF 1