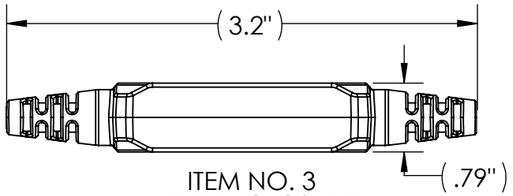
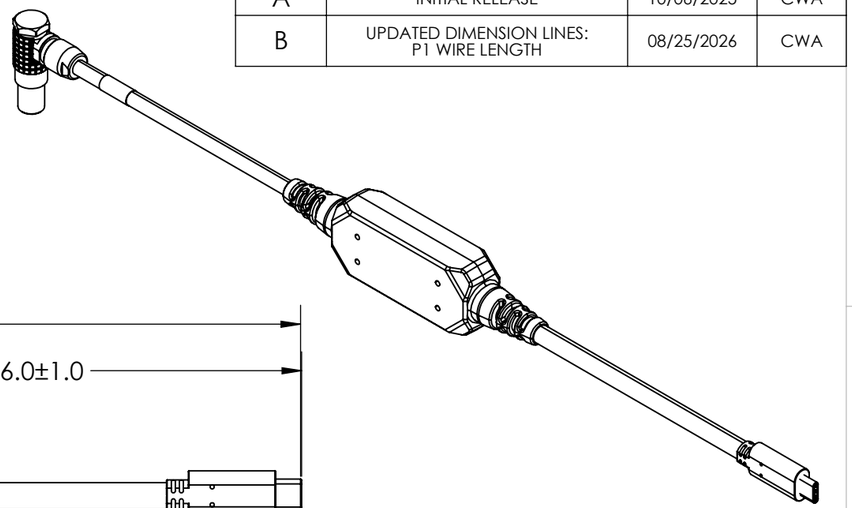
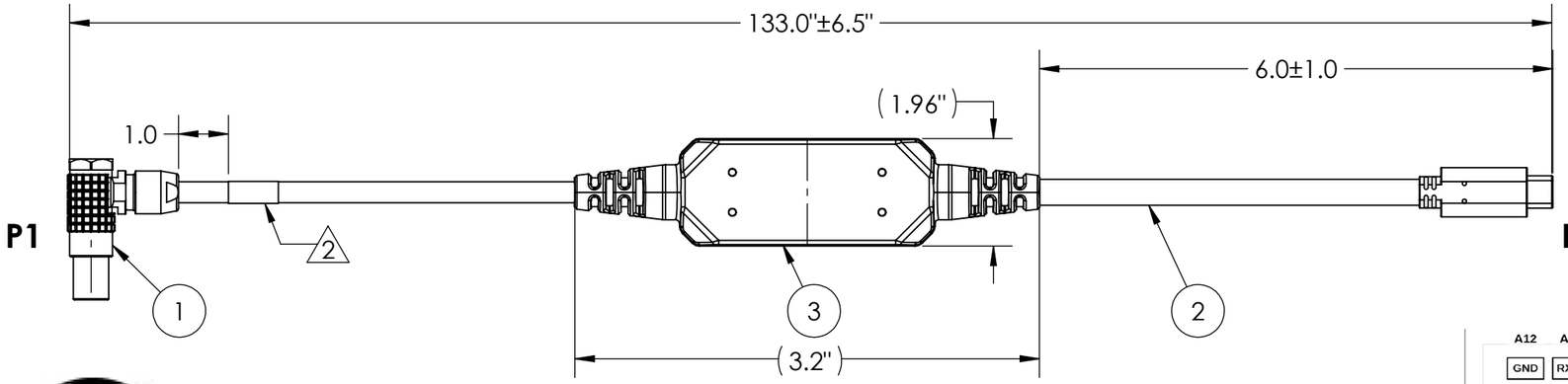
TABLE 1: WIRE RUN LIST			
P1	WIRE COLOR	P2	SIGNAL
1	BLACK	A1, A12, B1, B12	GND
2	RED	A4, A9, B4, B9	28V +
SHELL	SHIELD	SHELL	

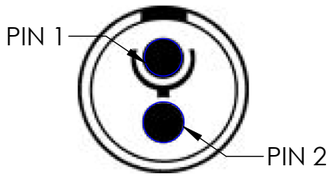


ITEM NO. 3
WIRE ENCLOSURE

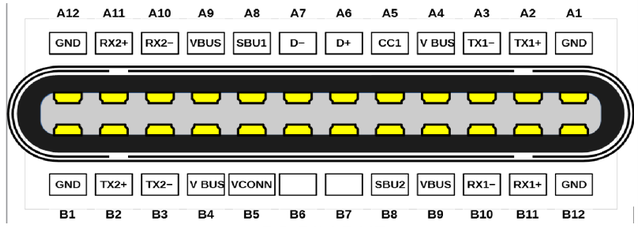
REVISIONS			
REV.	DESCRIPTION	DATE	ENG
A	INITIAL RELEASE	10/06/2025	CWA
B	UPDATED DIMENSION LINES: P1 WIRE LENGTH	08/25/2026	CWA







P1 PINOUT
(MATING FACE VIEW)



P2 PINOUT
(MATING FACE VIEW)

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 WHITE WITH BLACK TEXT.
   C. LABEL(S) SHALL BE PLACED WHERE SHOWN IN DRAWING.
   D. ADHESIVE WRAP AROUND LABEL(S) TO BE USED.
   E. LABEL SHALL BE MARKED WITH THE BELOW INFORMATION ONLY. REV MARKING PER PO.
   (YYYY=YEAR OF MFG, MM=MONTH OF MFG, DD=DAY OF MFG, XXXXX=PO NUMBER)
   PN: SN-2050 REV.X
   CAGE: 1HJX9
   LOT: TYYYYMMDDPXXXXX
3. PACKAGING REQUIREMENTS:
   A. EACH COMPLETED ASSEMBLY SHALL BE PACKAGED IN A 8.0”x10.0” 4MIL MIN. THICK 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.

BILL OF MATERIALS			
ITEM NO.	PART NO.	QTY	NAME/DESCRIPTION
1	FPG.1B.302.CLAD52	1	LEMO RIGHT ANGLE CONNECTOR
2	USB2EPR6F	0.5	USB-C PD CABLE 6 FT DOUBLE ENDED
3	TBD	1	WIRE ENCLOSURE

REF. NUMBER: SN1414

UNLESS OTHERWISE SPECIFIED:		NAME	DATE
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	DRAWN	CWA	08/01/2025
	CHECKED	RB	08/01/2025
	COMMENTS:		
MATERIAL: SEE DRAWING NOTES			
FINISH: SEE DRAWING NOTES			
DO NOT SCALE DRAWING			

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CAGE CODE: 1HJX9

SupplyNet DESIGN ENGINEERING MANUFACTURING

TITLE:
28V INPUT LEMO FPG.1B.302.CLAD52 RIGHT ANGLE TO USB-C-PD STRAIGHT

SIZE	DWG. NO.	REV
B	SN-2050	B

SCALE: NA | WEIGHT: | SHEET 1 OF 1