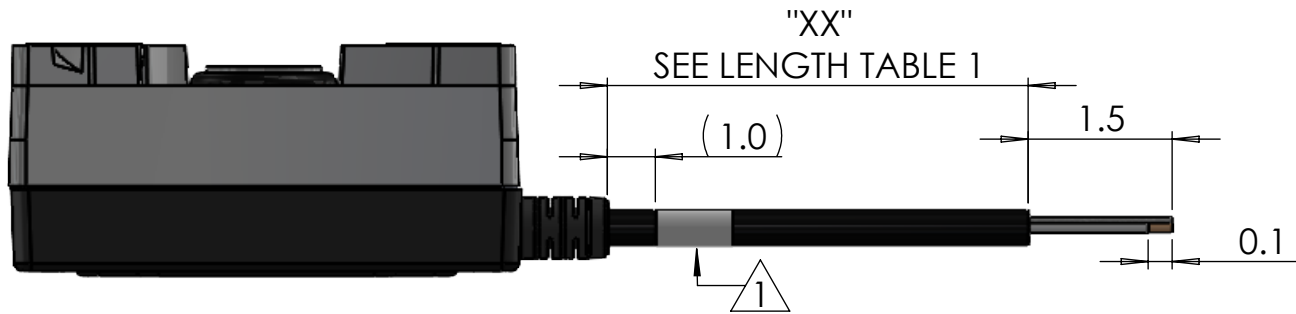
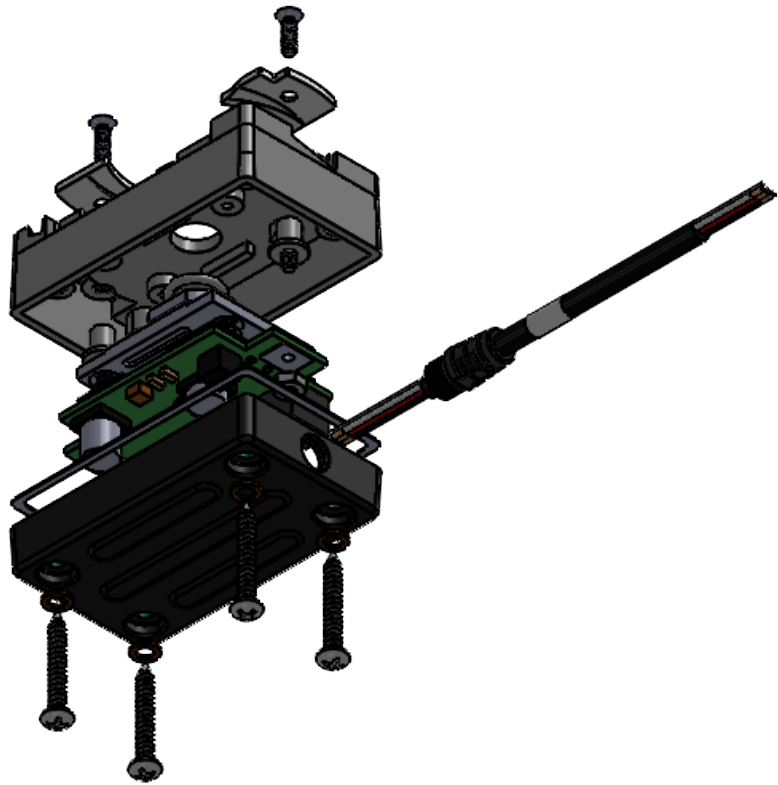


TABLE 1: WIRE LENGTH CHART		
PART NUMBER & PART MARKING	"-XX" DIMENSION (INCHES)	TOLERANCE (INCHES)
CONN-PRC163R-01	12	+1.0", -0.0"
CONN-PRC163R-02	24	+2.0", -0.0"
CONN-PRC163R-03	36	+4.0", -0.0"
CONN-PRC163R-06	72	+8.0", -0.0"
CONN-PRC163R-08	96	+8.0", -0.0"

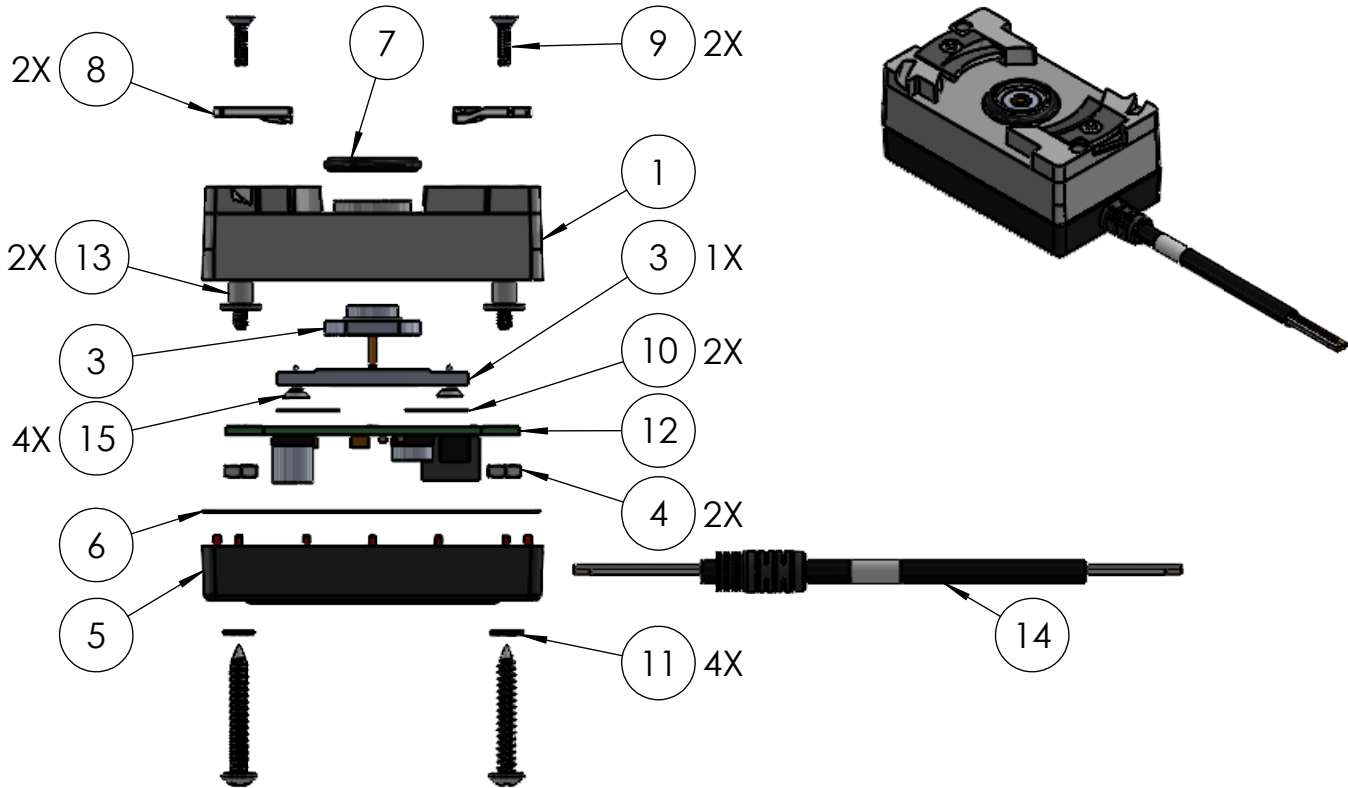


1. MARKING REQUIREMENTS:
- A. LABEL(S) SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-130 APPLICABLE.
 - B. LABEL(S) SHALL BE WHITE WITH BLACK TEXT.
 - C. LABEL(S) SHALL BE PLACED WHERE SHOWN IN DRAWING.
 - D. ADHESIVE WRAP AROUND LABEL(S) TO BE USED.
 - E. LABEL(S) SHALL BE MARKED WITH THE BELOW INFORMATION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

PN: CONN-PRC163R-XX REV. X
CAGE: 1HJX9
LOT: TYYYYMMDDPXXXXX

2. 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 (DO NOT WRAP CONNECTOR END WITH BUBBLE WRAP).
 - C. POLYBAG SHALL BE MARKED WITH SUPPLYNET LOGO, PRODUCT QR CODE, PART NUMBER, CAGE CODE, AND LOT NO, PER SN-STD-LBL REQUIREMENTS.
3. 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.
4. 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.

REVISIONS			
REV	DESCRIPTION	DATE	ENG
E	ADDED SN-12VPCB-4 MODEL	11/23/2020	MOB
F	UPDATED DRAWING FORMAT	08/14/2025	CWA



BILL OF MATERIALS			
ITEM NO.	PART NO	QTY	NAME/DESCRIPTION
1	SN-PRC163-CONN	1	PRC-163 MAIN BODY, NEW DESIGN, POLYAMIDE 40% GF
2	SN-PRC-163-3	1	PLASTIC BRACKET/INSULATOR FOR PRC-163-ASSY
3	SN-PRC163-CIRC-ASSY	1	AN/PRC-163 CENTER CONTACT ASSEMBLY, INCLUDES, CIRC. CONTACT, CENTER DATA & 2 POWER PINS, & INSULATOR
4	91831A005	2	18-8 STAINLESS STEEL NYLON-NSERT LOCKNUT, 4-40 THREAD
5	SN-PRC-163-4.1	1	DEEP COVER, 8mm THREADED EXIT, GV-4H MATERIAL
6	SN-PRC-163-5	1	GASKET FOR CASE ON PRC-163 ASSEMBLY
7	9452K25	1	LARGE O-Ring FOR AN/PRC-163 .549" 70A ASTM D2000
8	STEEL-TAB-163	2	STAINLESS STEEL GND TAB FOR CONN-PRC163
9	91099A167	2	4-40 1/2" SCREW 18-8 STAINLESS, FLATHEAD PHILLIPS
10	PRC-163-4	1	JUMPER WIRES UL007 AWG 20
11	SN-PRC-163-6	4	GASKET FOR TOP COVER SCREWS
12	SN-12VPCB-4	1	MBITR-HP-BATT-ELM 12V 8.5 AMP
13	4001-440-SS	2	4-40 STAND OFF FOR AN/PRC-163
14	SN-359-T3-PJ	-XX	DUAL ENDED 3C 20 AWG THREADED STRAIN RELIEF CABLE, PU JACKET
15	91831A005	4	#4 X 1/4 IN. FLT. HD. SCREW

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:		DRAWN	TC	TITLE:	
		CHECKED	RB	1/23/2019	
		COMMENTS:		PRC-163 REGULATED 12VDC OUTPUT	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SUPPLYNET, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SUPPLYNET INC. IS PROHIBITED.					
GEOMETRIC TOLERANCING PER: ASME Y14.5 -2009		SIZE	DWG. NO.		REV
MATERIAL: SEE DRAWING NOTES		B	CONN-PRC163R-XX		F
FINISH: SEE DRAWING NOTES		SCALE: NA		WEIGHT:	SHEET 1 OF 1
DO NOT SCALE DRAWING		CAGE CODE: 1HJX9			