

TABLE 1: WIRE RUN LIST (BATT A)		
P1 (PRC-163)	WIRE COLOR	P2 (SN-799)
PIN 1	RED	PIN 1, 3
PIN 2	WHITE	PIN 2
PIN 3	NOT CONNECTED	
STEEL TABS	BLACK + DRAIN	GND BAR
SHRINK BOOT DRAIN WIRE INSIDE BOX		

TABLE 2: WIRE RUN LIST (BATT B)		
P1 (PRC-163)	WIRE COLOR	P3 (SN-799)
PIN 1	RED	PIN 1, 3
PIN 2	NOT CONNECTED	
PIN 3	NOT CONNECTED	
STEEL TABS	BLACK + DRAIN	GND BAR
SHRINK BOOT DRAIN WIRE INSIDE BOX		

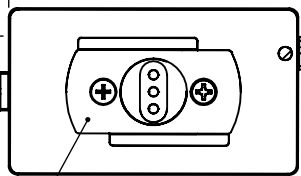
**IMPORTANT:**  
USE RING TERMINALS TO ATTACH  
BLACK AND DRAIN WIRES TO  
GROUND TABS

**CONN-PRC-163**  
**P1**

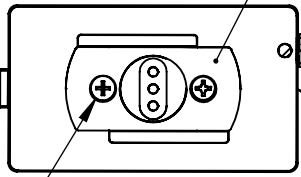


**RADIO SIDE**

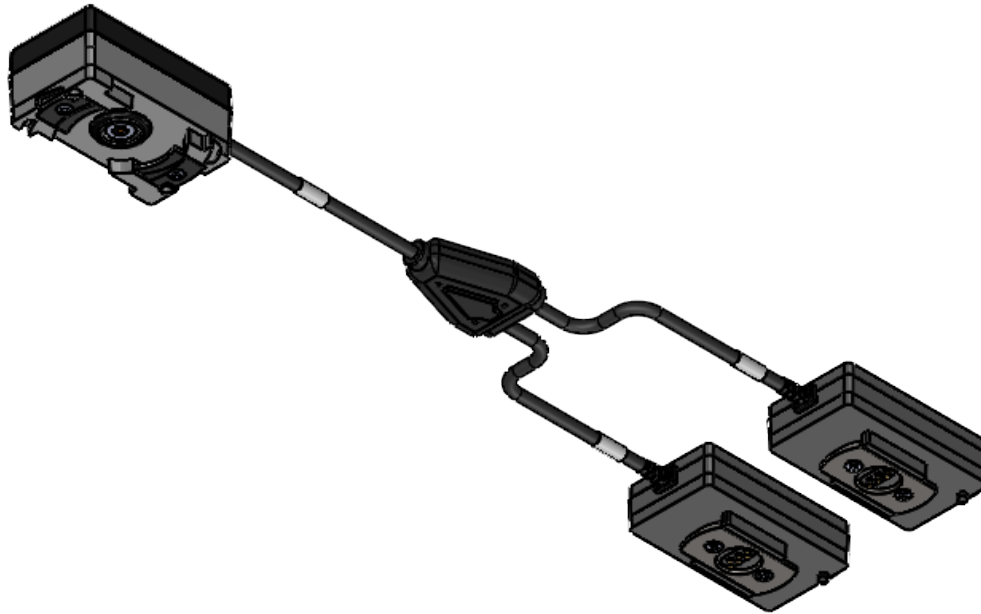
**SN-799**  
**"BATT A"**  
**P2**



**SN-799**  
**"BATT B"**  
**P3**



**BATTERY SIDE**



**BOTH TOP AND BOTTOM ARE BLACK**  
**GREY IS USED DRAWING FOR CLARITY.**

BILL OF MATERIALS			
ITEM NO.	PART NO	QTY	DESCRIPTION
1	CONN-PRC-163	1	BATTERY ELIMINATOR UN-REGULATED
2	SN-799-KIT	2	BATTERY ADAPTER KIT
3	FE-502-11C	2	STRAIN RELIEF CONN-MBITR 5.0MM
4	UL1332-20AWGX3C+AE	AR	3C AWG 20 WIRE PU JACKET
5	TBD	1	2-WAY SPLITTER

**NOTES:**

1. WIRING SHALL BE DONE IN ACCORDANCE WITH TABLE 1 & 2 WIRE RUN LISTS (SEE SHEET 1).

**2. 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 INFORMATION SHOWN IN TABLE 3: LABEL IDENTIFICATION TABLE (SEE SHEET 2).

**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							
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		DRAWN		CWA08/20/2025		TITLE:  <b>DUAL BATTERY RELOCATOR PRC-163</b>					
		CHECKED		RB 08/20/2025							
		COMMENTS:		<b><u>PROPRIETARY AND CONFIDENTIAL</u></b> 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.		SIZE		DWG. NO.		REV	
						<b>B</b>		<b>SN-800-163X</b>		<b>B</b>	
DO NOT SCALE DRAWING		<b>CAGE CODE: 1HJX9</b>				SCALE: NA		WEIGHT:		SHEET 1 OF 4	

REF. NUMBER: SN1424

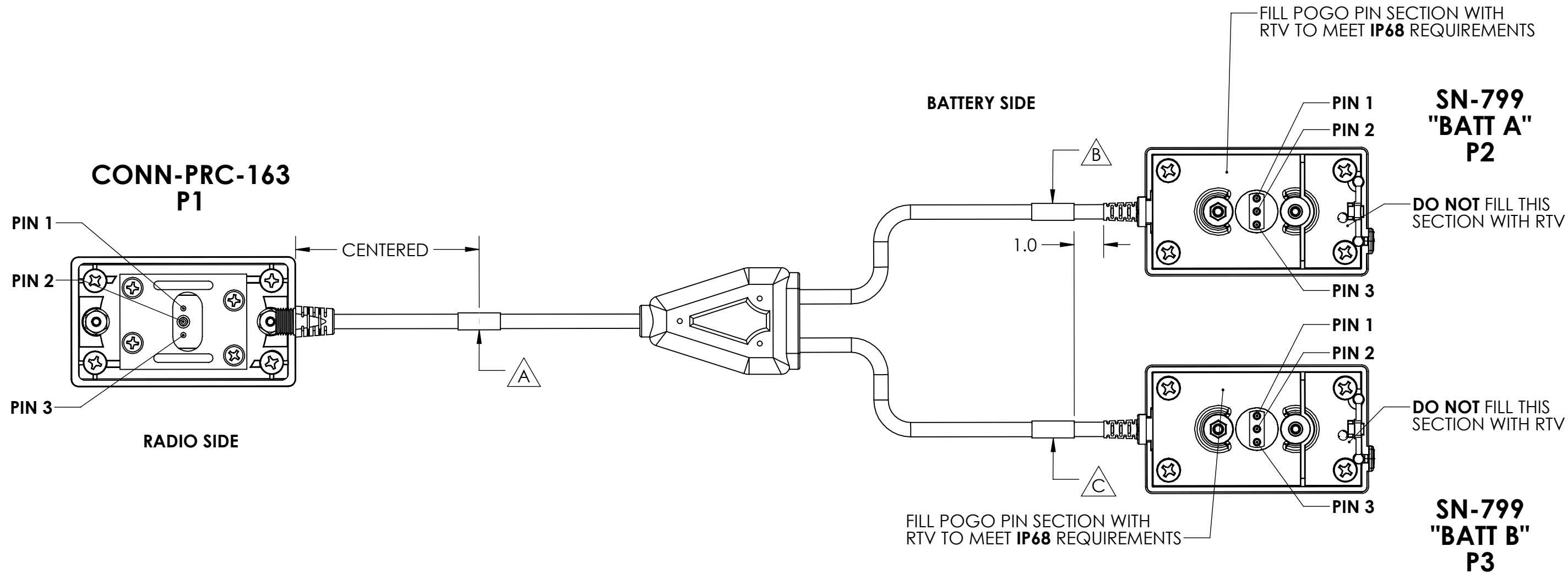


**DUAL BATTERY RELOCATOR**  
**PRC-163**

SIZE **B** DWG. NO. **SN-800-163X** REV **B**

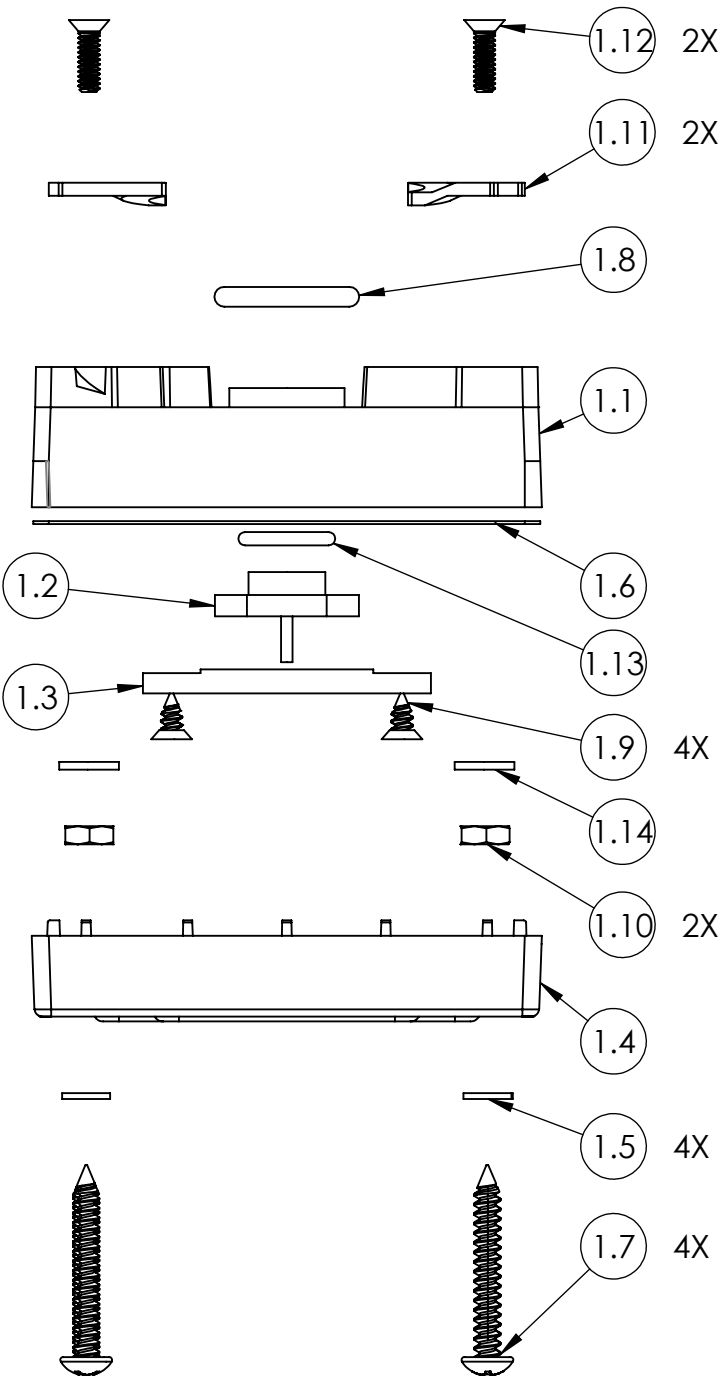
SCALE: NA WEIGHT: SHEET 1 OF 4

TABLE 3: LABEL IDENTIFICATION TABLE		
LABEL ID	LABEL TEXT	LABEL NOTES
A	LINE 1: PN: SN-800-163X    REV. X LINE 2: CAGE: 1HJX9 LINE 3: LOT: TYYYYMMDDPXXXXX	
B	LINE 1: BATT A	
C	LINE 1: BATT B	




UNLESS OTHERWISE SPECIFIED:		NAME		DATE		<div>SupplyNet</div>		<div>DESIGN ENGINEERING MANUFACTURING</div>	
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	CWA		08/20/2025		TITLE:  DUAL BATTERY RELOCATOR PRC-163		
		CHECKED	RB		08/20/2025				
		COMMENTS:							
		<u>PROPRIETARY AND CONFIDENTIAL</u>				SIZE DWG. NO. REV B SN-800-163X B			
		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.							
		CAGE CODE: 1HJX9		SCALE: NA		WEIGHT:		SHEET 2 OF 4	

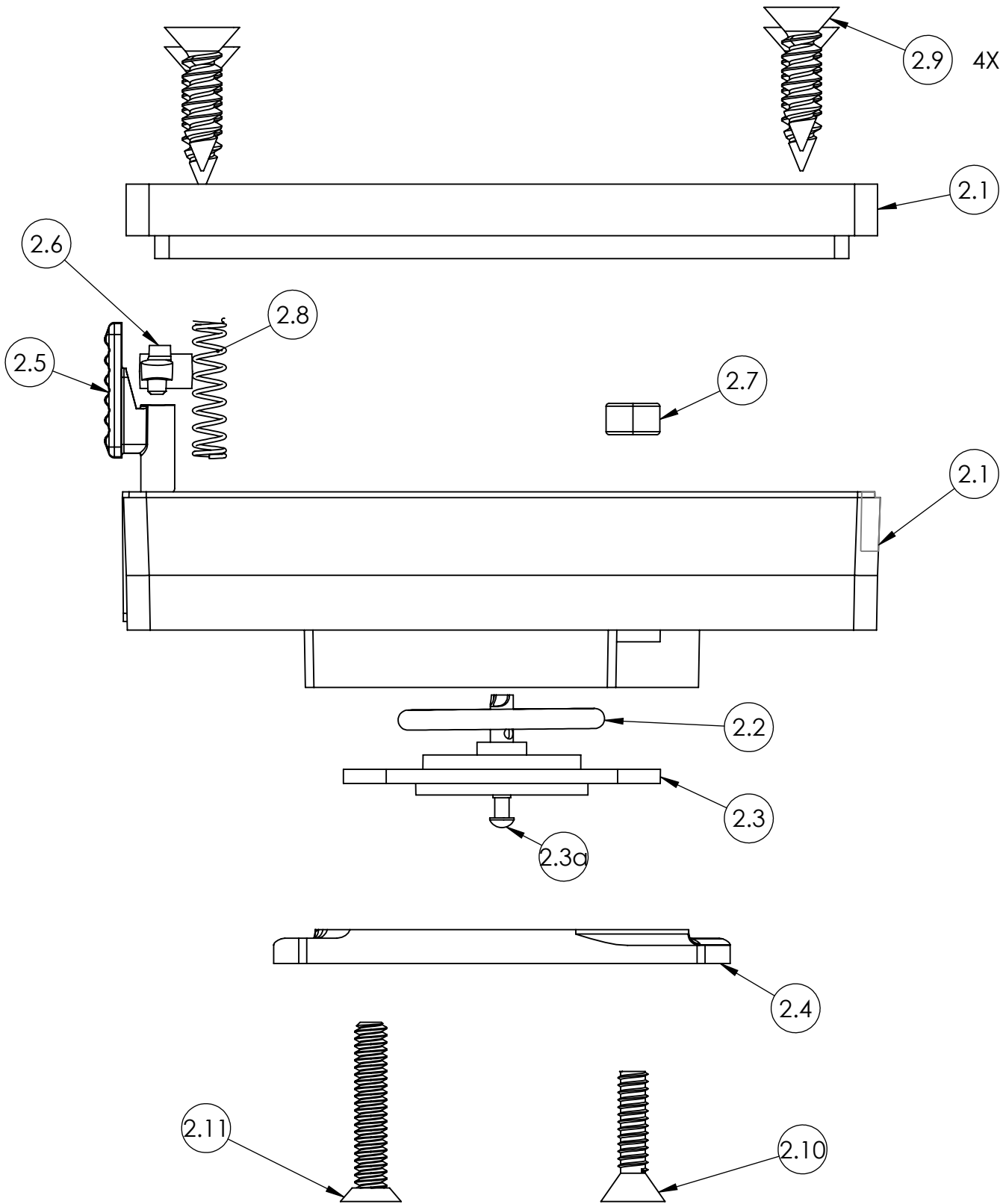
ITEM NO. 1  
CONN-PRC-163 (EXPLODED VIEW)





BILL OF MATERIALS (ITEM NO. 1)			
ITEM NO.	PART NO	QTY	DESCRIPTION
1.1	SN-PRC-163-CONN	1	PRC-163 MAIN BODY, POLYAMIDE 40% GF
1.2	SN-PRC163-CIRC-ASSY	1	AN/PRC-163 CENTER CONTACT ASSEMBLY
1.3	SN-PRC-163-3	1	PLASTIC BRACKET/INSULATOR FOR PRC-163-ASSY
1.4	SN-PRC-163-4.1	1	DEEP COVER, 8MM THREADED EXIT
1.5	SN-PRC-163-6	4	GASKET FOR TOP COVER SCREWS
1.6	SN-PRC-163-5	1	GASKET FOR CASE ON PRC-163 ASSEMBLY
1.7	90935A153	4	BLACK-OXIDE STEEL ROUNDED HEAD SCREW, #6 SCREW SIZE, 1" LENGTH
1.8	9452K25	1	LARGE O-RING FOR AN/PRC-163 .549" 70A ASTM D2000
1.9	90198A100	4	#4 1/4" SCREWS FOR SN-SMALL PCB
1.10	91831A005	2	4-40 HEX NUT
1.11	STEEL-TAB-163	2	STAINLESS STEEL GND TAB
1.12	91099A1687	2	4-40 1/2" SCREW 18-8 STAINLESS, FLATHEAD PHILLIPS
1.13	9452K21	1	SMALL O-RING FOR AN/PRC-163 .364" 70A ASTM D2000 INCLUDED IN ITEM 2
1.14	W18RR05500	1	JUMPER WIRE WITH RING TERMINALS (PRC-163-4 EQUIVALENT)

UNLESS OTHERWISE SPECIFIED:		NAME		DATE		<div>DESIGN ENGINEERING MANUFACTURING</div>			
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		CHECKED		RB 08/20/2025					
		COMMENTS:							
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DO NOT SCALE DRAWING		<b>CAGE CODE: 1HJX9</b>		SCALE: NA		WEIGHT:		SHEET 3 OF 4	
				SIZE		DWG. NO.		REV	
				<b>B</b>		<b>SN-800-163X</b>		<b>B</b>	

ITEM NO. 2  
SNN-799 (EXPLODED VIEW)



BILL OF MATERIALS (ITEM NO. 2)			
ITEM NO.	PART NO	QTY	DESCRIPTION
2.1	1116-01-01	1	MBITR CONNECTOR HOUSING & BACK COVER
2.2	571-063-R70BT	1	RED TEFLON COATED BUNA O-RING
2.3	1116-01-105-ASSY	1	3 POGO PIN ASSEMBLY REV. E
2.3a	500626-00C	3	DOME TOP POGO PINS
2.4	1116-01-106	1	GROUND BAR, SS316, NICKEL PLATED
2.5	1116-01-103	1	THUMB LOCK REV. B
2.6	1116-01-104	1	ROCKER ARM
2.7	90730A005	1	4-40 HX NUT
2.8	C0120-014-0500-M	1	SPRING
2.9	90033A150	4	#6 X 1/2" FLAT HEAD SCREW, PHILLIPS DRIVE
2.10	91099A167	1	4-40 X 1/2" SCREW, 18-8 SS. FLATHEAD PHILLIPS
2.11	91099A169	1	4-40 X 5/8" SCREW, 18-8 SS. FLATHEAD PHILLIPS

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		<b>CAGE CODE: 1HJX9</b>		SCALE: NA		WEIGHT:		SHEET 4 OF 4	