

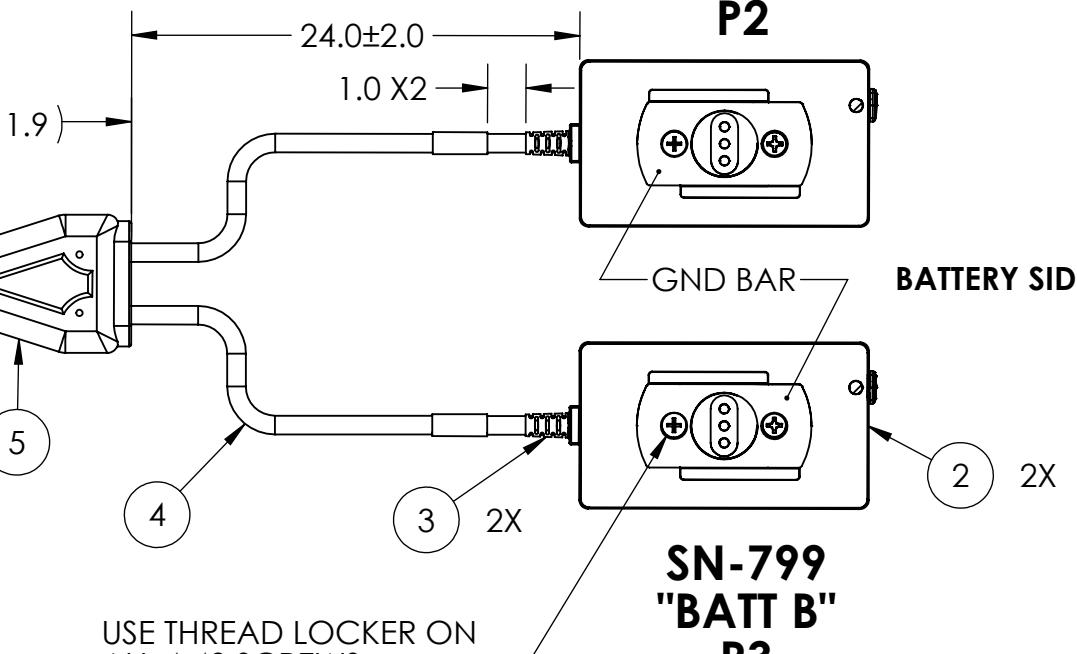
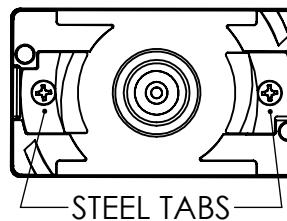
TABLE 1: WIRE RUN LIST (BATT A)		
P1 (PRC-163)	WIRE COLOR	P2 (SN-799)
PIN 1	RED	PIN 1, 3
PIN 2	WHITE	PIN 2
PIN 3	NOT CONNECTED	
STEEL TABS	BLACK + DRAIN	GND BAR
SHRINK BOOT DRAIN WIRE INSIDE BOX		

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**



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

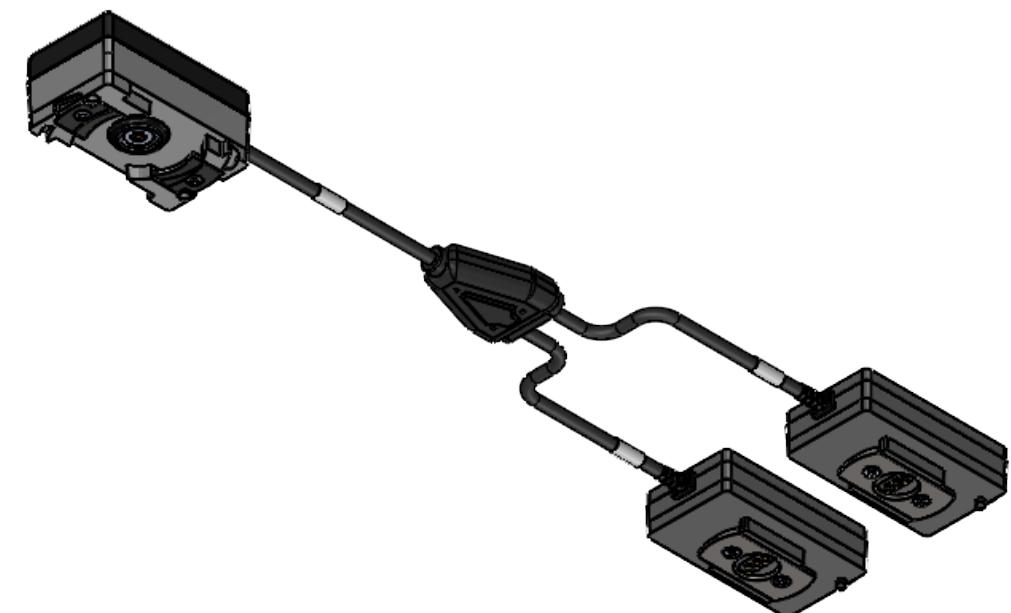
2. MARKING REQUIREMENTS:  
A. LABEL(S) SHALL BE MARKED IN ACCORDANCE WITH MIL-STD-130 APPLICABLE.  
B. LABEL(S) SHALL BE WHITE WITH BLACK TEXT.  
C. LABEL(S) SHALL BE PLACED WHERE SHOWN IN DRAWING.  
D. ADHESIVE WRAP AROUND LABEL(S) TO BE USED.  
E. LABEL(S) SHALL BE MARKED WITH THE INFORMATION SHOWN 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.

REVISIONS			
REV	DESCRIPTION	DATE	ENG
A	INITIAL RELEASE	08/22/2025	CWA
B	UPDATED BOM, SHEET 3	08/27/2025	CWA



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

REF. NUMBER: SN1424

SupplyNet

DESIGN  
ENGINEERING  
MANUFACTURING

TITLE:

**DUAL BATTERY RELOCATOR  
PRC-163**

UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN: INCHES		CWA	08/20/2025
TOLERANCES: .XX: ± 0.03			
.XXX: ± 0.005			
ANGULAR: .X°: 1°			
.XX°: 0.5°			
BREAK EDGES: .005 - .020			
FILLETS: .005 - .020			
SUFACE FINISH:			
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			
MATERIAL: SEE DRAWING NOTES			
FINISH: SEE DRAWING NOTES			
DO NOT SCALE DRAWING			

CAGE CODE: 1HJX9

SIZE DWG. NO. REV  
**B SN-800-163X B**  
SCALE: NA WEIGHT: SHEET 1 OF 4

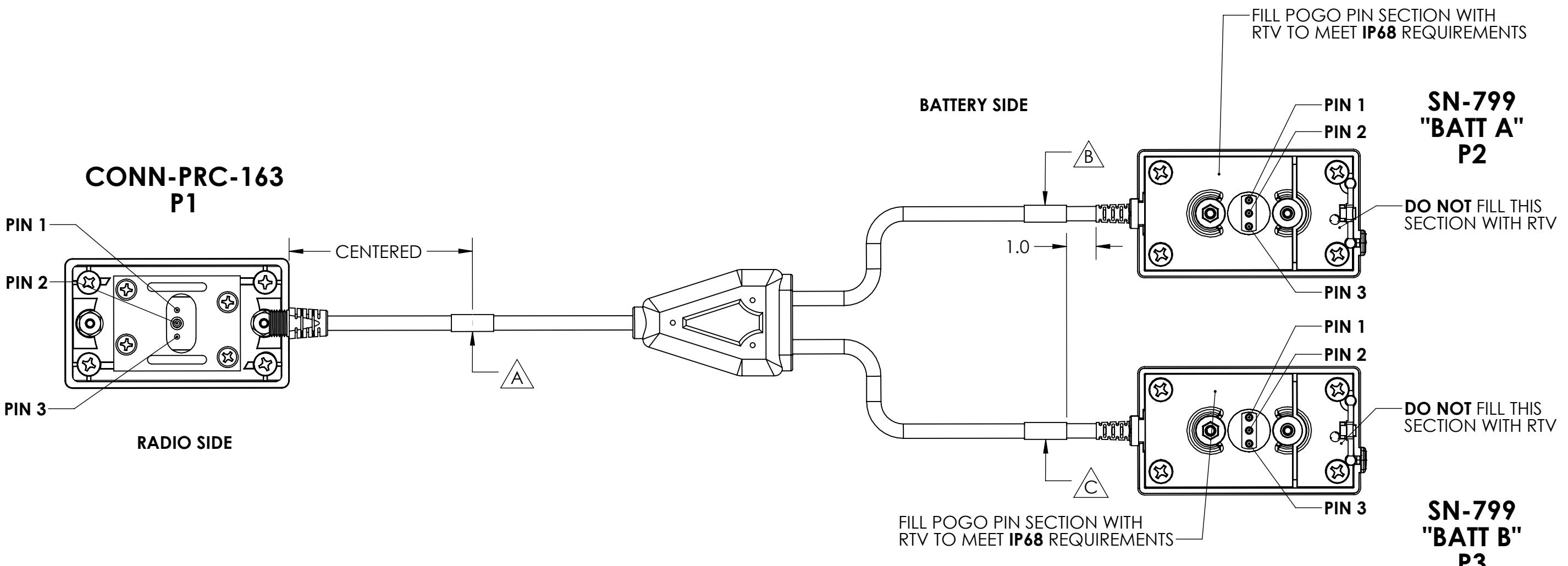
2

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	

D

D



C

C

B

B

A

A

REF. NUMBER: SN1424

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DESIGN  
ENGINEERING  
MANUFACTURING

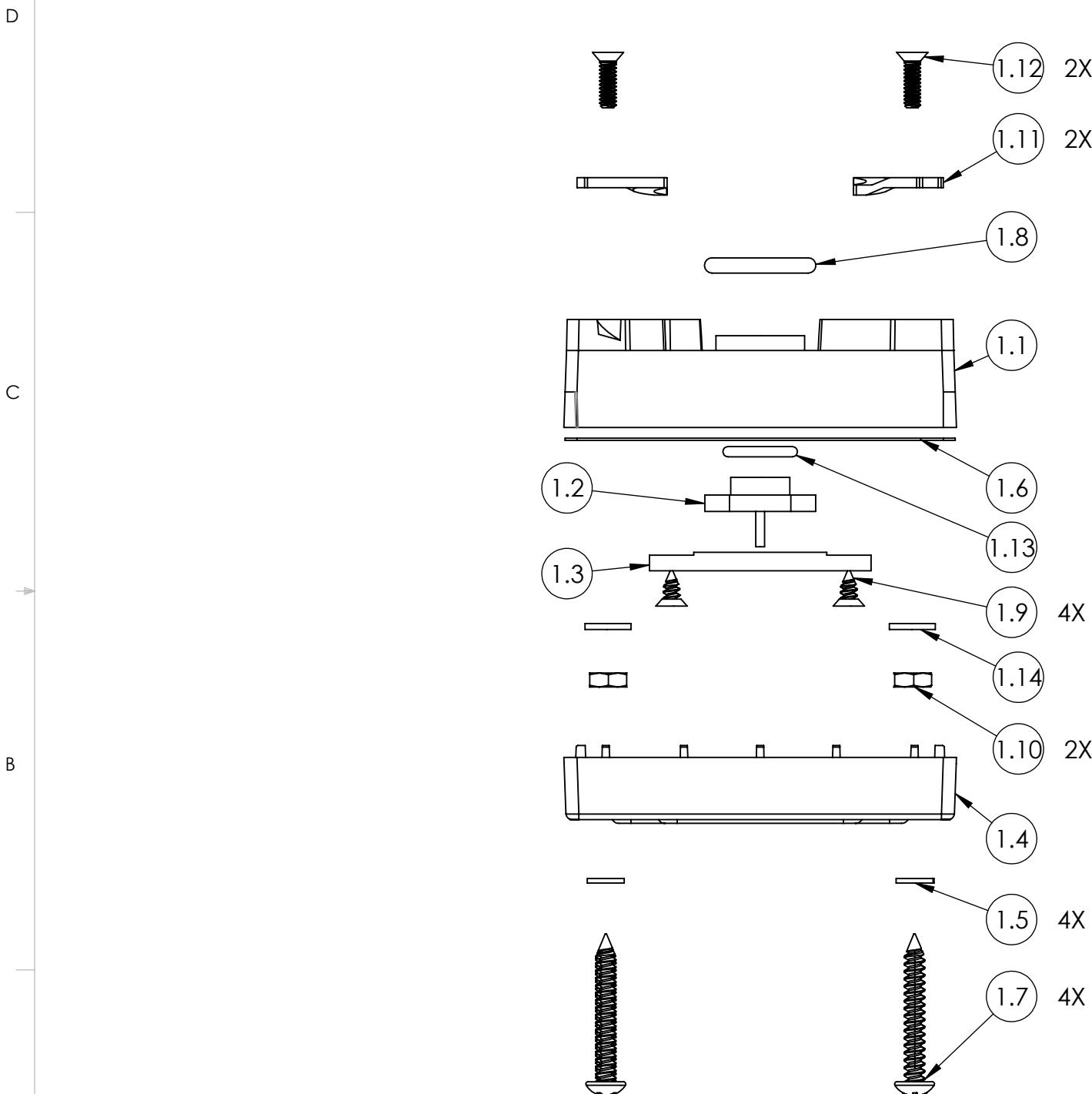
TITLE:

DUAL BATTERY RELOCATOR  
PRC-163SIZE DWG. NO. REV  
B SN-800-163X B  
CAGE CODE: 1HJX9 SCALE: NA WEIGHT: SHEET 2 OF 4

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN: INCHES TOLERANCES: .XX: $\pm 0.03$ .XXX: $\pm 0.005$	DRAWN	CWA 08/20/2025
ANGULAR: .X°: 1° .XX°: 0.5°	CHECKED	RB 08/20/2025
BREAK EDGES: .005 - .020 FILLETS: .005 - .020 SURFACE FINISH:	COMMENTS:	
PROPRIETARY AND CONFIDENTIAL		
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GEOMETRIC TOLERANCING PER: ASME Y14.5-2009		
MATERIAL: SEE DRAWING NOTES		
FINISH: SEE DRAWING NOTES		
DO NOT SCALE DRAWING	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)

REF. NUMBER: SN1424

  
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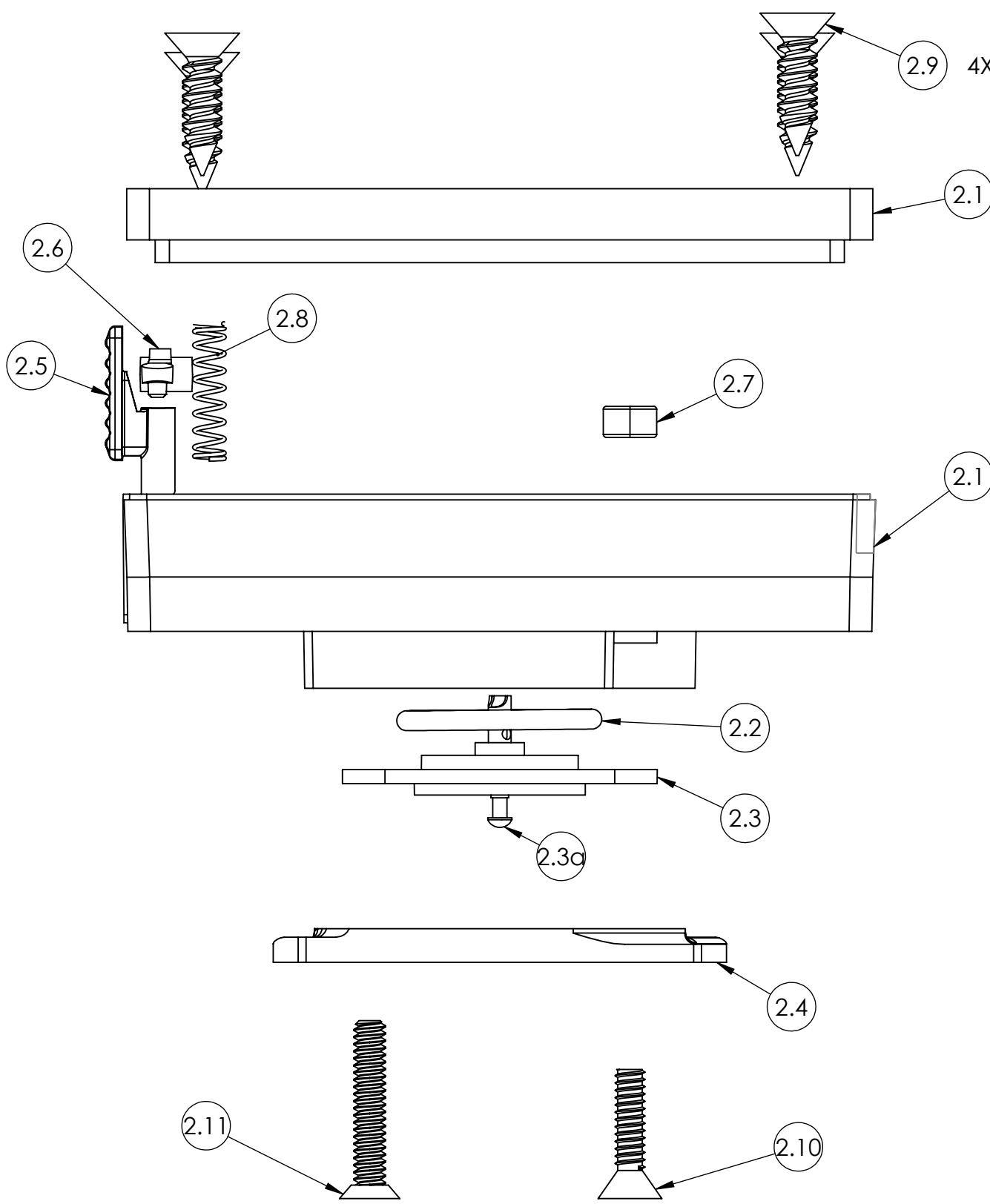
UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN: INCHES	DRAWN	CWA 08/20/2025
TOLERANCES: .XX: ± 0.03	CHECKED	RB 08/20/2025
.XXX: ± 0.005	COMMENTS:	
ANGULAR: .X°: 1°		
.XX°: 0.5°		
BREAK EDGES: .005 - .020		
FILLETS: .005 - .020		
SURFACE FINISH:		
PROPRIETARY AND CONFIDENTIAL		
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GEOMETRIC TOLERANCING PER: ASME Y14.5-2009		
MATERIAL: SEE DRAWING NOTES		
FINISH: SEE DRAWING NOTES		
DO NOT SCALE DRAWING		
CAGE CODE: 1HJX9		SCALE: NA
SIZE B DWG. NO. SN-800-163X		REV B
WEIGHT:		SHEET 3 OF 4

A  
TITLE:  
**DUAL BATTERY RELOCATOR  
PRC-163**

1  
8 7 6 5 4 3 2 1

SIZE B DWG. NO. SN-800-163X REV B  
WEIGHT: SHEET 3 OF 4

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

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN: INCHES	CWA	08/20/2025
TOLERANCES: .XX: ± 0.03		
.XXX: ± 0.005		
ANGULAR: .X°: 1°		
.XX°: 0.5°		
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GEOMETRIC TOLERANCING PER: ASME Y14.5-2009		
MATERIAL: SEE DRAWING NOTES		
FINISH: SEE DRAWING NOTES		
DO NOT SCALE DRAWING	CAGE CODE: 1HJX9	SCALE: NA
		WEIGHT:
		SHEET 4 OF 4

REF. NUMBER: SN1424

SupplyNet  
DESIGN  
ENGINEERING  
MANUFACTURING

TITLE:

DUAL BATTERY RELOCATOR  
PRC-163

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