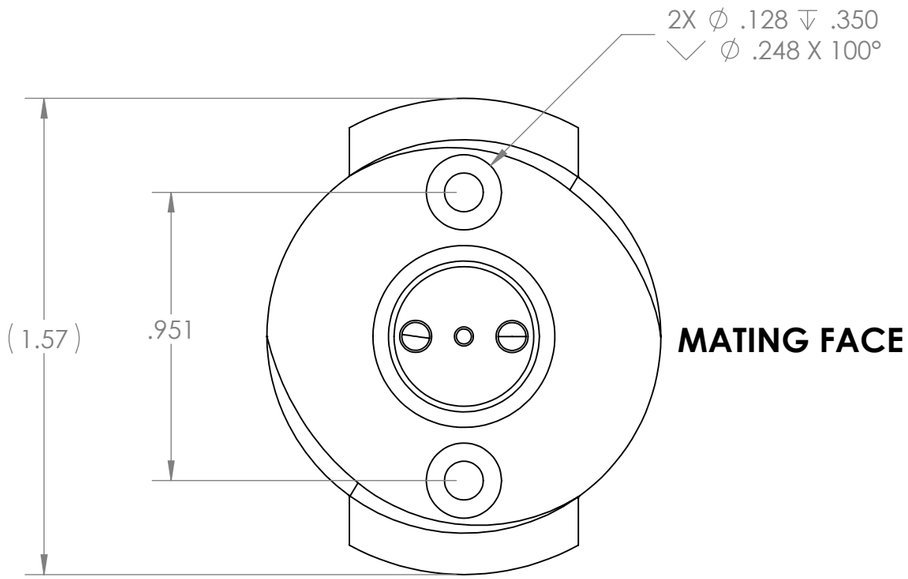
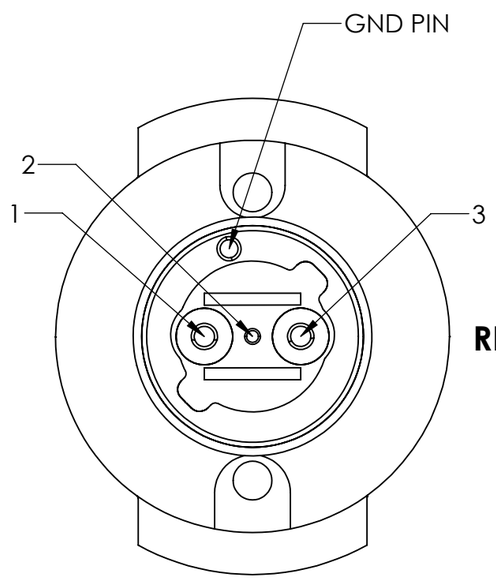
TABLE 1: RECOMMENDED WIRING	
P1	**SIGNAL**
1, 3	BATT+
2	DATA
GND PIN	BATT_RTN

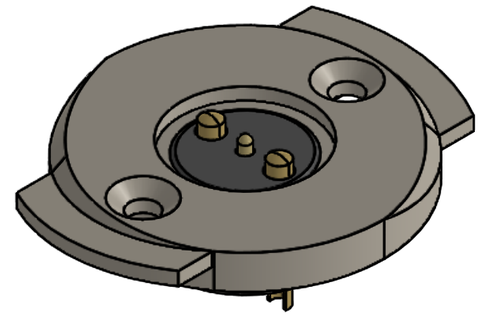
REVISIONS			
REV.	DESCRIPTION	DATE	ENG
A	INITIAL RELEASE	10/14/2026	MOB

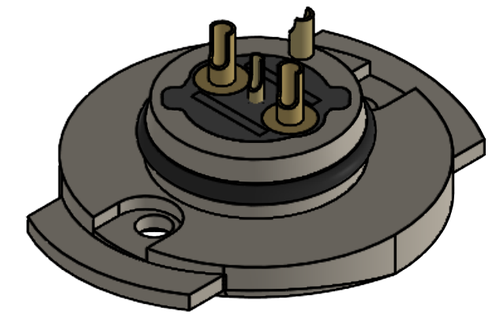


MATING FACE

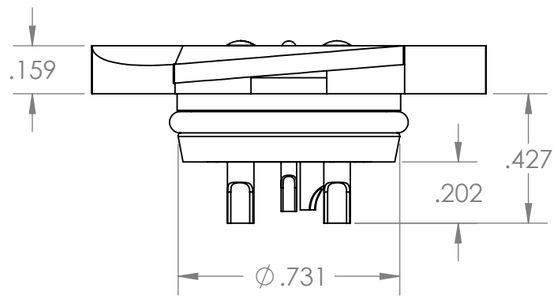


REAR FACE





MATES WITH PRC-148/152/163 TWIST LOCK STYLE BATTERIES



BOM ON SHEET 2

NOTES ON SHEET 2

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES (IN)
TOLERANCES:
1 PLACE ±.1 2 PLACES ±.03 3 PLACES ±.005
ANGLES 1 PLACE ±.1° 2 PLACES ±.5°
BREAK EDGES .005 - .020
FILLETS .005 - .020

GEOMETRIC TOLERANCING PER:
ASME Y14.5 -2018

FINISH: SEE DRAWING NOTES

MATERIAL: SEE DRAWING NOTES

THIRD ANGLE PROJECTION

	NAME	DATE
DRAWN	MOB	10/15/2026
CHECKED	MOB	10/15/2026

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DO NOT SCALE DRAWING

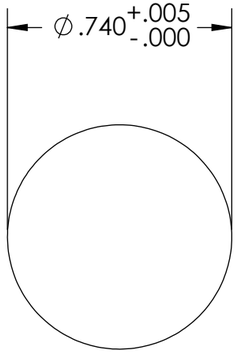
SupplyNet DESIGN ENGINEERING MANUFACTURING

TITLE:

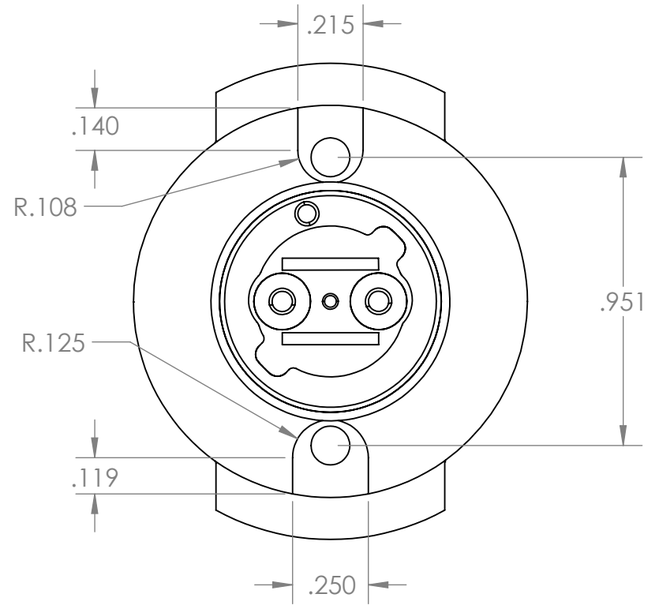
GROUND BAR ASSEMBLY, 3 POS, SOLDER CUP PINS

SIZE	CAGE CODE	DWG. NO.	REV
B	1HJX9	SN-CA130661-SC	A

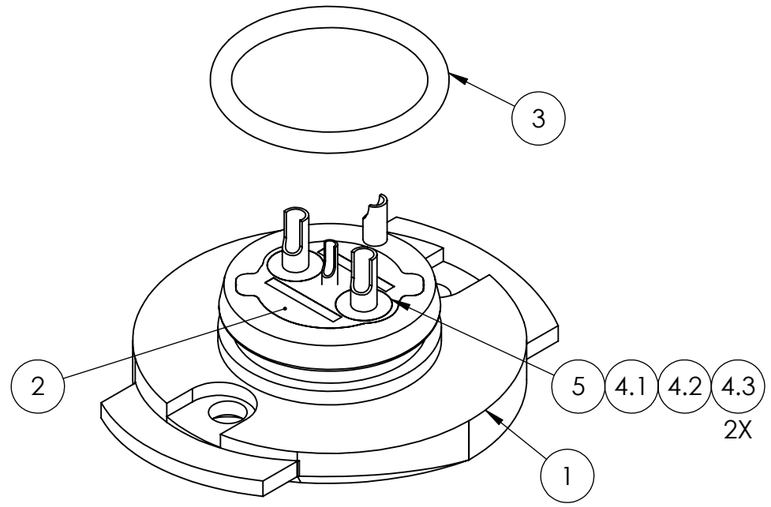
SCALE: N/A | REF. NUMBER: SN1586 | SHEET 1 OF 2



PANEL CUTOUT
MINIMUM PANEL THICKNESS 4.5MM



KEYING DIMENSIONS



NOTES:
1. MATERIAL:
   - A. GROUND BAR: 316 STAINLESS STEEL, NICKEL PLATED PER ASTMB733, TYPE V, SC3. MATTE FINISH
   - B. INSULATOR: PPS 40% GF, BLACK
   - C. POWER PINS: BRASSS ALLOY PER ASTMB16, OR 385 PER ASTM B455. GOLD PLATED PER ASTM B488, TYPE 1 OVER NICKEL UNDERPLATE PER ASTM B689, TYPE 2 (BRIGHT).
   - D. DATA PIN: BRASS ALLOY PER ASTM B16 OR 385, GOLD PLATED .07uM OVER NICKEL 2.5uM.
   - E. GROUND PIN: BRASS ALLOY PER ASTM B16, GOLD PLATED PER ASTMB488 TYPE 1.
   - F. POTTING: PX800F OR EQUIVALENT. BLACK.
   - G. O-RING: FLUOROCARBON,VITON 55, BLACK.
2. MECHANICAL REQUIREMENTS:
   - A. 3,000+ MATING CYCLES
3. ENVIRONMENTAL REQUIREMENTS:
   - A. OPERATING TEMPERATURE: -40C TO +60C
   - B. SEALING LEVEL: 10M IMMERSION
4. ELECTRICAL REQUIREMENTS:
   - A. CURRENT RATING (PER POWER PIN): 6.0A CONTINUOUS, 9A PULSE.
5. PACKAGING REQUIREMENTS:
   - A. EACH COMPLETED ASSEMBLY SHALL BE PACKAGED IN A ZIP-POLYBAG.
   - B. POLYBAG SHALL BE MARKED PER SN-STD-LBL REQUIREMENTS.
   - C. ASSEMBLY SHALL BE PACKAGED TO PREVENT DAMAGE DURING SHIPPING AND HANDLING.
6. WORKMANSHIP REQUIREMENTS:
   - A. MANUFACTURE AND INSPECT IAW/WHMA A-620 CLASS 2 AS APPLICABLE.
   - B. FINISHED ITEM SHALL BE FREE FROM ANY SCRATCHES, BURRS, CHIPS, AND DEFECTS.
7. INSPECTION REQUIREMENTS:
   - A. EACH COMPLETED ASSEMBLY SHALL BE 100% TESTED FOR SHORTS, CONTINUITY, AND INSUALTION RESISTANCE.
   - B. INSPECT TO IPC/WHMA A-620 CLASS 2 REQUIREMENTS AS APPLICABLE.

THIRD ANGLE PROJECTION

BILL OF MATERIALS					
ITEM NO.	PART NO.	QTY.	UOM	DESCRIPTION	REV
1	SN327-GB	1	EA	GROUND BAR, TWIST ON, STAINLESS STEEL, NICKEL PLATED	B
2	PX800F*	1	uL	EPOXY	N/A
3	SN327-01	1	EA	O-RING, .648 X .070, 55VTB	B
4	SN327-INS-SC-ASSY	1	EA	INSULATOR ASSEMBLY, 3 POS., SOLDER CUPS	A
4.1	SN327-INS	1	EA	PIN INSULATOR, 3 POS., FOR SN327	A
4.2	0860-SC	1	EA	POGO PIN, AWG 22 SOLDER CUP, GOLD PLATED BRASS	A
4.3	0861-SC	2	EA	POWER PIN, POGO PIN, GOLD PLATED BRASS, AWG16 SOLDER CUP	A
5	CONN-BA5590-PIN-SC-C	1		PIN, GOLD PLATED BRASS,AWG 16 SOLDER CUP	A

*OR EQUIVALENT

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SupplyNet DESIGN ENGINEERING MANUFACTURING

TITLE: **GROUND BAR ASSEMBLY, 3 POS, SOLDER CUP PINS**

SIZE	CAGE CODE	DWG. NO.	REV
B	1HJX9	SN-CA130661-SC	A

DO NOT SCALE DRAWING | SCALE: N/A | REF. NUMBER: SN1586 | SHEET 2 OF 2