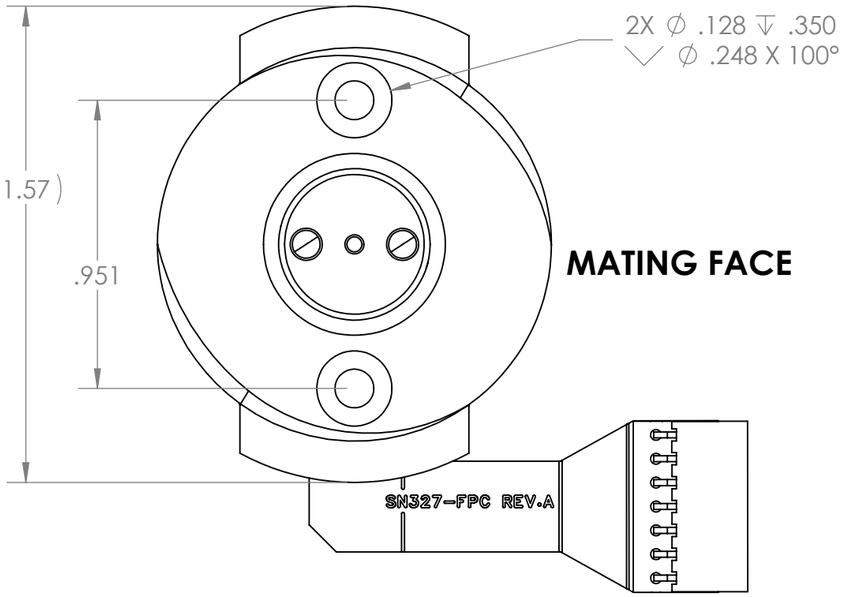
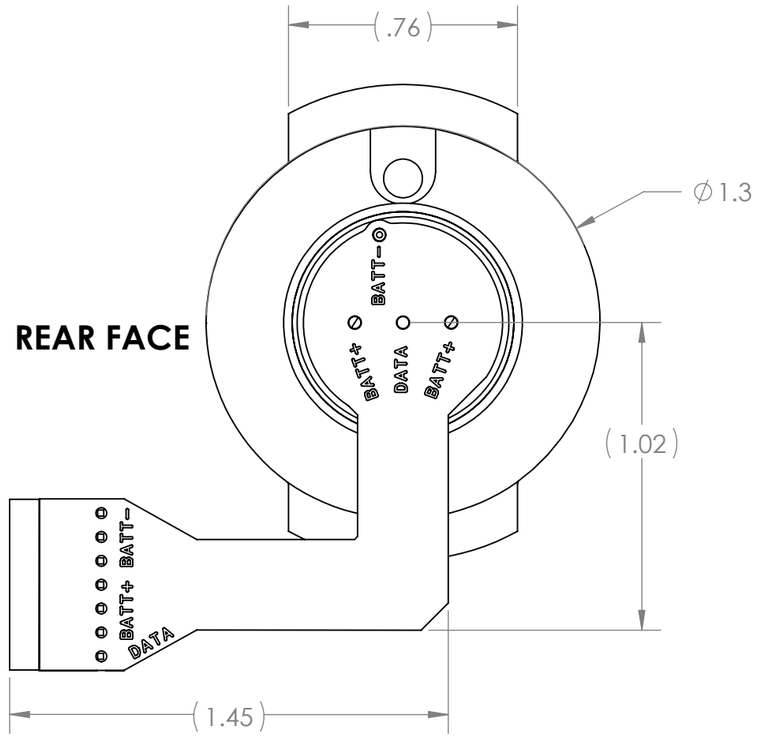
TABLE 1: WIRE RUN	
P1	SIGNAL
1	DATA
2	BATT+
3	
4	
5	BATT-
6	
7	

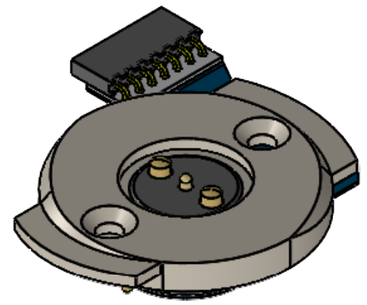
REVISIONS			
REV.	DESCRIPTION	DATE	ENG
A	INITIAL RELEASE	10/2/2026	MOB

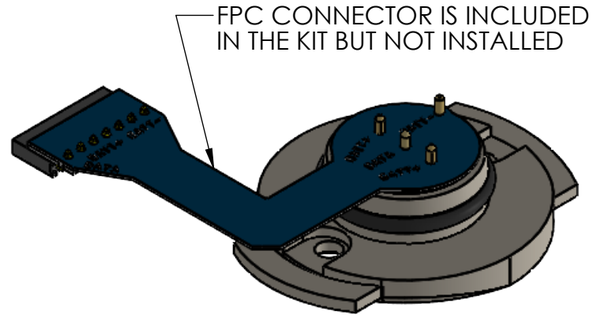


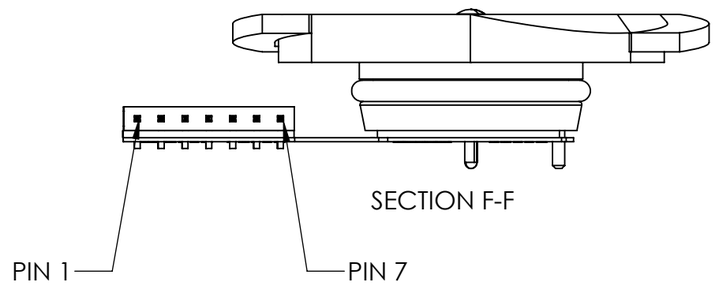
MATING FACE

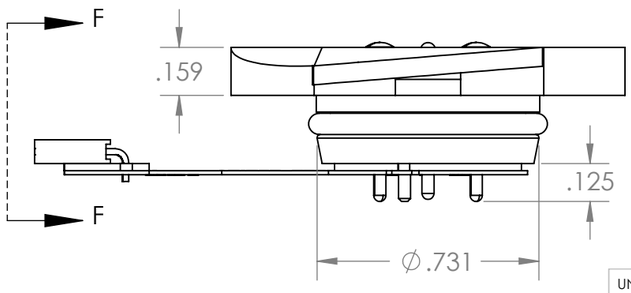


REAR FACE









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

BOM ON SHEET 2

NOTES ON SHEET 2

REF. NUMBER: SN1425

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	MOB	10/2/2026
	CHECKED	MOB	10/2/2026
	COMMENTS:		
MATERIAL: SEE DRAWING NOTES			
FINISH: SEE DRAWING NOTES			
DO NOT SCALE DRAWING			

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CAGE CODE: 1HJX9

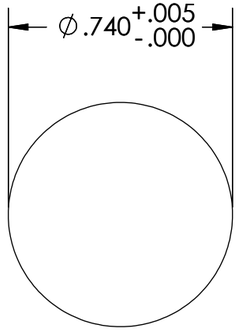
SupplyNet DESIGN ENGINEERING MANUFACTURING

TITLE:

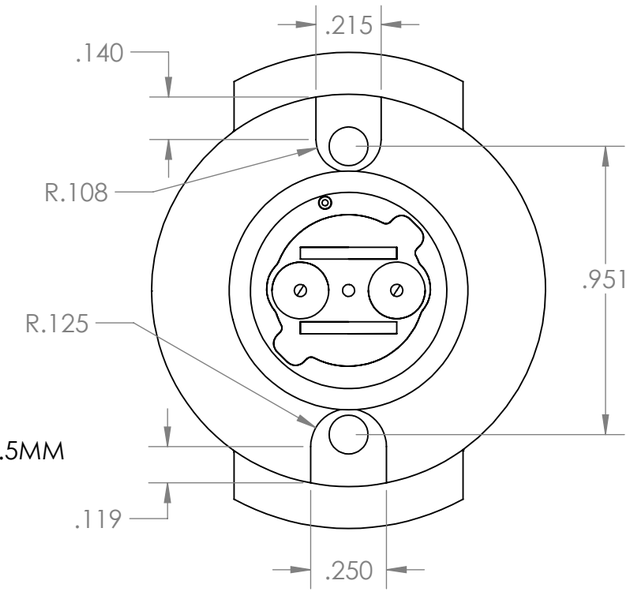
GROUND BAR ASSEMBLY, 3 POS, FPC CONNECTOR

SIZE	DWG. NO.	REV
B	SN-CA130661-1	A

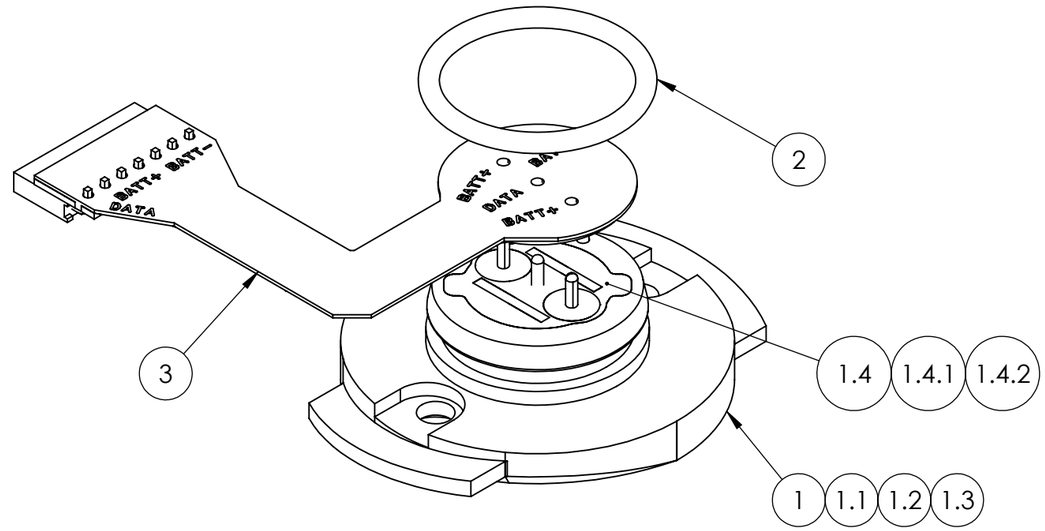
SCALE: NA | WEIGHT: | SHEET 1 OF 2



PANEL CUTOUT
MINIMUM PANEL THICKNESS, 4.5MM



KEYING DIMENSIONS



NOTES:

1. MATERIAL:
   - A. GROUND BAR: 316 STAINLESS STEEL, NICKEL PLATED PER ASTMB656, MATTE FINISH.
   - B. INSULATOR: LCP, G-930, BLACK
   - C. POWER PINS: BRASS ALLOY PER ASTM B16, OR 385 PER ASTM B455. GOLD PLATED PER ASTM B 488, TYPE 1 OVER NICKEL UNDERPLATE PER ASTM B689, TYPE 2 (BRIGHT).
   - D. DATA PIN: BRASS ALLOY, GOLD PLATED .07µm OVER NICKEL 2.5µm.
   - E. GROUND PIN: BRASS ALLOY PER ASTM B16, GOLD PLATED PER ASTM B 488, TYPE 1.
   - F. POTTING: PX800F, BLACK.
   - G. O-RING: FLUOROCARBON, VITON 75, BLACK.
2. MECHANICAL REQUIREMENTS:
   - A. 3,000 + MATING CYCLES
3. ENVIRONMENTAL: REQUIREMENTS:
   - A. OPERATING TEMPERATURE: -40C TO +60C
   - B. SEALING LEVEL: IP67
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 TO IAW/WHMA A-620 CLASS 2 REQUIREMENTS.
   - B. SOLDERING SHALL BE COMPLIANT WITH J-STD-001 AS APPLICABLE.
   - C. 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 INSULATION RESISTANCE (250V @ 100MOHM MIN.)
   - B. INSPECT TO IPC/WHMA A-620 CLASS 2 REQUIREMENTS.

BILL OF MATERIALS

ITEM NO.	PART NO.	UOM	UNITS	DESCRIPTION	REV.
1	SN327-GB-ASSY	1	EA	GROUND BAR ASSEMBLY, INCLUDES SST GND BAR, POGO PINS, PIN INSULATOR ASSEMBLY, AND BACKPOTTING	B
1.1	SN327-GB	1	EA	GROUND BAR, TWIST ON, STAINLESS STEEL, NICKEL PLATED	B
1.2	SN327-PIN	1	EA	GROUND PIN, GOLD PLATED BRASS	A
1.3	PX800F	185	uL	EPOXY	N/A
1.4	SN327-INS-ASSY	1	EA	POGO PIN INSULATOR ASSEMBLY	A
1.4.1	0861-0-015-20-82-1411	2	EA	POGO PIN, POWER PIN, GOLD PLATED BRASS	N/A
1.4.2	0860-0-15-20-82-14-1	1	EA	POGO PIN, DATA PIN, GOLD PLATED BRASS	N/A
2	SN327-01	1	EA	FLUOROCARBNON O-RING	A
3	SN327-FPC	1	EA	FLEXIBLE PCB ASSEMBLY, 1 X 7, 2.00MM PITCH FEMALE HEADER	A

REF. NUMBER: SN1425

SupplyNet DESIGN ENGINEERING MANUFACTURING

TITLE:

GROUND BAR ASSEMBLY, 3 POS, FPC CONNECTOR

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SIZE	DWG. NO.	REV
B	SN-CA130661-1	A

DO NOT SCALE DRAWING | **CAGE CODE: 1HJX9** | SCALE: NA | WEIGHT: | SHEET 2 OF 2