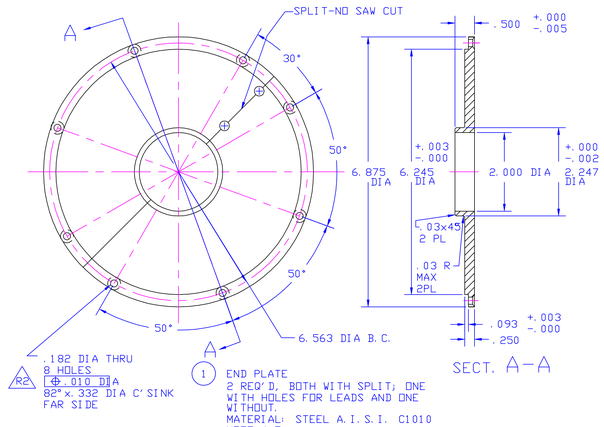
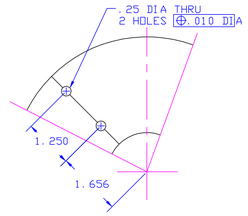
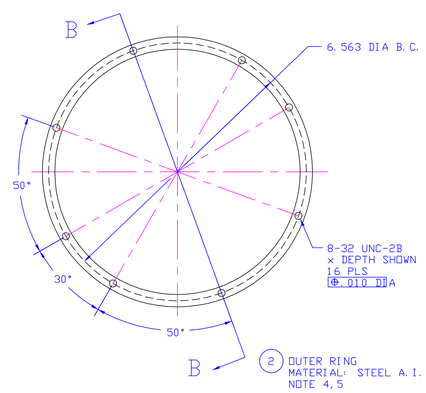
REV.	DATE	DESCRIPTION	BY	APP'D
1	10/88	DELETED UNUSED PART (8) REVISED NOTE (3)	URIBE	
2	12-91	REVISED ITEM 6 FOR SOCKET HEAD	URIBE	

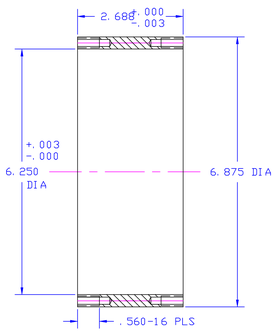




(1) END PLATE
2 REQ'D, BOTH WITH SPLIT; ONE WITH HOLES FOR LEADS AND ONE WITHOUT.
MATERIAL: STEEL A.I.S.I. C1010
NOTE 4,5



(2) OUTER RING
MATERIAL: STEEL A.I.S.I. C1010
NOTE 4,5



NOTES

(1) THE COIL CONSISTS OF 22 LAYERS & 742 TURNS TOTAL OF NO. 14 AWG SQUARE MRF WIRE (.0701) AND THE WIRE INSULATION MUST BE GEN. ML OR EQUIVALENT.

(2) BOND TURNS BY WINDING LAYUP USING 526 AREMCO-BOND.

(3) USE 0.10x.50x.003 INCH MICA SPACERS AT THE WIRE CROSSOVER POINTS.

4 ITEMS 1 & 2 ONLY-HYDROGEN ANNEAL AT 1650 F FOR 1 HR. THEN FURNACE COOL.

5 ITEMS 1 & 2 ONLY-AFTER ANNEALING, BRIGHT NICKEL PLATE .0002 THICK.

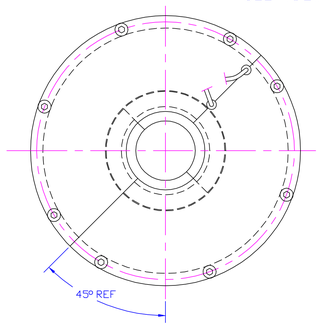
(6) ITEM 10 MATERIAL: 316 SSTL OR 305 SSTL WITH PERMIABILITY LESS THAN 1.01.

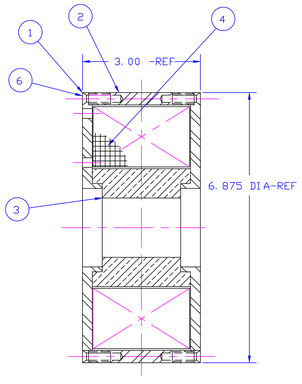
(7) THE LENSES ARE NOMINALLY INSTALLED WITH THE ELECTRICAL LEADS ON THE DOWNSTREAM SIDE OF THE LENS. THE SLC WIRING CONVENTION IS THAT THE B-FIELD SHOULD POINT DOWNSTREAM WHEN THE CURRENT IN THE LENS IS POSITIVE.

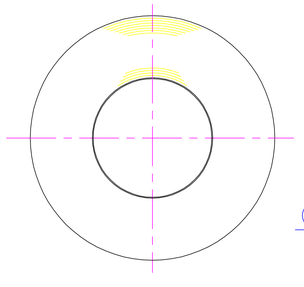
THE SLC CONVENTION IS:
WHITE FOR THE '+' TERMINAL
BLACK FOR THE '-' TERMINAL
HERE: MALE BANANA ='+'
FEMALE BANANA ='-'

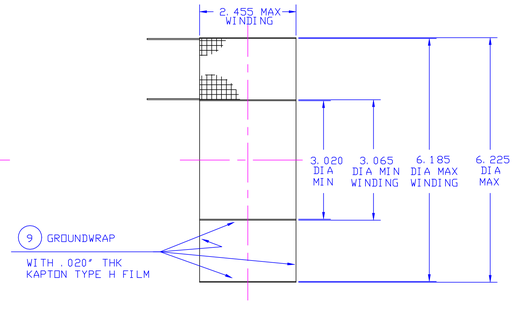
(8) PARTS (5) AND (11) TO BE SILVER SOLDERED TO LEADS.

SEE VIEW C

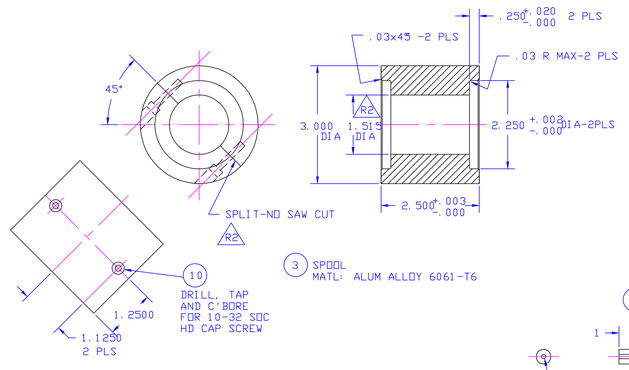


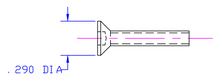




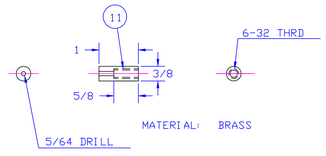


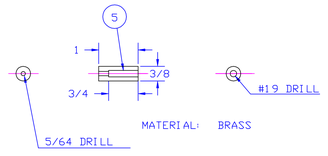
(4) COIL (TO BE FREE OF METAL CASING AND REMOVABLE FROM CASING)
(1) (2) (3)

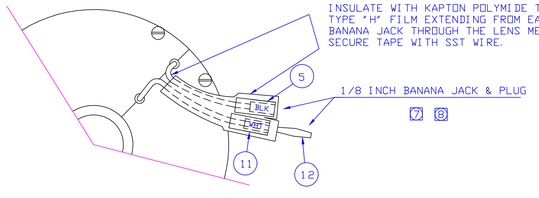




(6) MACHINE 16 AS SHOWN AND SILVERPLATE 0.0002 THICK
SCALE=NONE







VIEW C

ITEM	PART NO.	DESCRIPTION	QTY.
12	3264	BANANA PLUG WITH THREADED STUD (POMONA)	1
11	SEE DETAIL	MALE BANANA PLUG	1
10		SOC HD CAP SCR 10-32 x .88 LG	2
9		INSULATION .020 THK 'H' FILM	
7		.003 INCH THICK MICA SHEET	
6	SEE DETAIL	HEX SOCKET FLAT HEAD MACH SCR 8-32x1/2 LG.	16
5	SEE DETAIL	FEMALE BANANA JACK	1
4	SEE DETAIL	COIL	1
3	SEE DETAIL	SPOOL	1
2	SEE DETAIL	OUTER RING	1
1	SEE DETAIL	END PLATE	2

(6) (1)

DRAWN BY: URI BE	NUCLEAR PHYSICS LABORATORY UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN	BAKEABLE SOLENOID	
CHECKED BY	UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES 2 PLACE DEC. ± .01 BREAK SHARP CORNERS 3 PLACES DEC. ± .003 FRACTIONAL ±1/32" ANGULAR ±0° 30'	PART NO. / NO. REQ'D.	SCALE 1=2 / FILE 15
APPROVED BY		CHASSIS NO. OR MATERIAL: LISTED	DATE 7-10-88 / DWG. NO. D-2709-32

SLAC: SA 236-052-99-R1