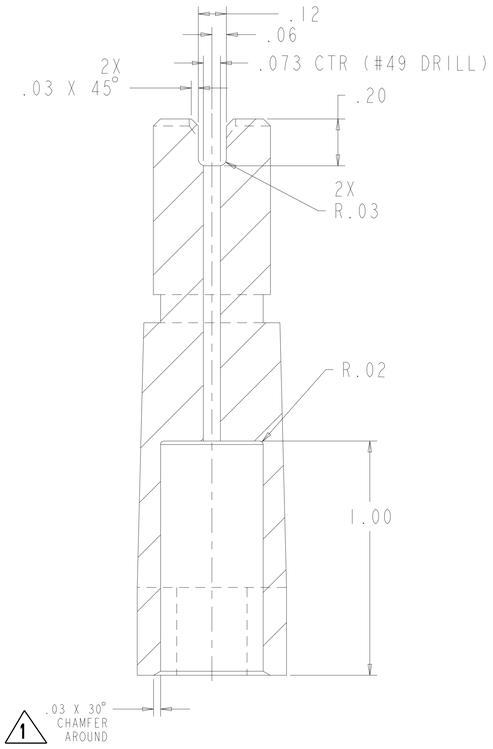
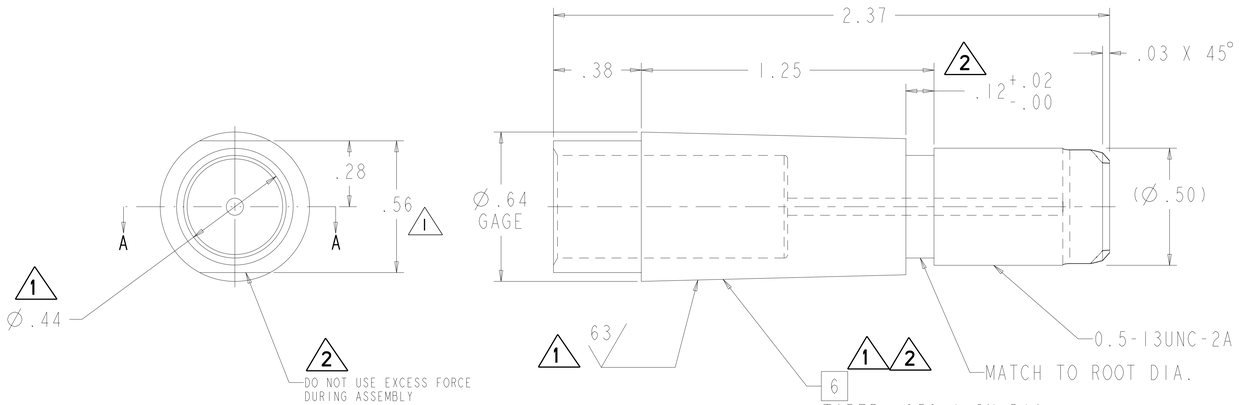


SECTION A-A



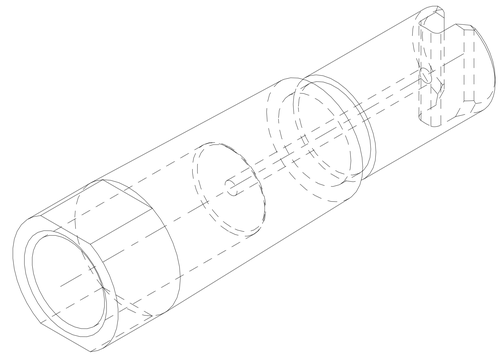
1

SCALE 4.00

NOTES:

1. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M
2. DIMENSIONS ARE IN INCHES
3. DIMENSIONS APPLY AT ROOM TEMPERATURE. OPERATING TEMP 80 K.
4. GEOMETRY IS DEFINED IN PRO ENGINEER CAD MODELS/FILES SE142C-059.PRT
5. DRAWING AND MODELS COMBINED DEFINE FINISHED MACHINED PART.

1 [6] SILVER PLATE 10 MICRON THICK PER ASTM B700 TYPE 1, GRADE C, CLASS S. APPLY NICKEL INTERMEDIATE LAYER >1 MICRON THICK IMMEDIATELY AFTER CLEANING BASE METAL AND BEFORE ELECTROPLATE.



ISOMETRIC VIEW

SCALE 4.00

AR		-1	CONNECTOR	[6] SILVER BEARING COPPER UNS C10400, C10500, C10700	1
SE142C-050	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPECIFICATION	FIND NO
←	NEXT ASSEMBLY		PARTS LIST		

SE142C-059

RELEASED FOR FABRICATION / INSTALLATION
PPPL Drafting: Jerry Siegel 2007.11.01 12:06:10 -05'00'

NO REPRESENTATION OR WARRANTY,EXPRESSED OR IMPLIED,IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF, ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDER ARE NOT TO BE USED FOR OTHER PURPOSES, AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

P THIS DRAWING PRODUCED ON PRO-ENGINEER

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
2	REVISE PART AND DRAWING PER ECN 5140	GLL	7-06	MJC			DEW					
1	REVISE PART AND DRAWING PER ECN 5023	GLL	9-05	MJC			DEW					
0	INITIAL RELEASE	GLL	6-05	MJC			DEW					

REVISION OR ISSUE PURPOSE — REVISION APPROVAL

SCALE NOTED
TOLERANCES UNLESS OTHERWISE SPECIFIED
FRACTIONS :
XX DECIMALS ±.01
XXX DECIMALS ±.005
ANGLES ±0°15'
BREAK SHARP EDGES .06 MAX
FINISH 125 UNLESS OTHERWISE SPECIFIED

DES	P FOGARTY	05/05
DRW	G LOVETT	05/05
CHK	M COLE	05/05
SECT	:	:
DEPT	:	:
PE	D WILLIAMSON	05/05
CR	:	:
PJ	:	:
REQ	:	:
PPPL DRFT	J SIEGEL	05/05
	:	:
	:	:
	DRAWING APPROVALS	DATE

UT-BATTELLE
Oak Ridge National Laboratory
managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725
UT-BATTELLE, LLC. Oak Ridge, Tennessee

PROJECT NAME
NATIONAL COMPACT STELLARATOR EXPERIMENT

MODULAR COIL TYPE-C
CABLE CONNECTOR
DETAIL

VERSION NO.	PLANT	BLDG.	FL	SHT	OF	TYPE	CLASS
1	X-10	5700	3	1	1	S	U

RELEASE LEVEL: Fabrication
SE142C-059
REV 2