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NOTES CONTINUED:

- 5. APPROXIMATE WEIGHT = 18-20 grams.
- 6. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.
- 7. **BOBBIN MATERIAL IS PEEK, VICTREX, 450CA. AVAILABLE FROM BOEDEKER PLASTICS. MATERIAL CERTIFICATION DOCUMENTATION IS REQUIRED. www.boedeker.com/peek_p.htm SUPPLIED BY LIGO (FINISHED BOBBINS)**
- 8. **COILS ARE #32 AWG OXYGEN FREE COPPER WIRE, MWS WIRE INDUSTRIES 32HMW, POLYIMIDE-ML INSULATION. SUPPLIED BY LIGO**
- 9. **COIL POTTING MATERIAL EPOXY PAX EP-1730-1. TOPCOAT POTTING IS REQUIRED, BUT FULL POTTING IS ALLOWED. NOT SUPPLIED BY LIGO**
- 10. ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. PLUGS OR RECYCLED MATERIAL). NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY. REFER TO LIGO-E0900364.

REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
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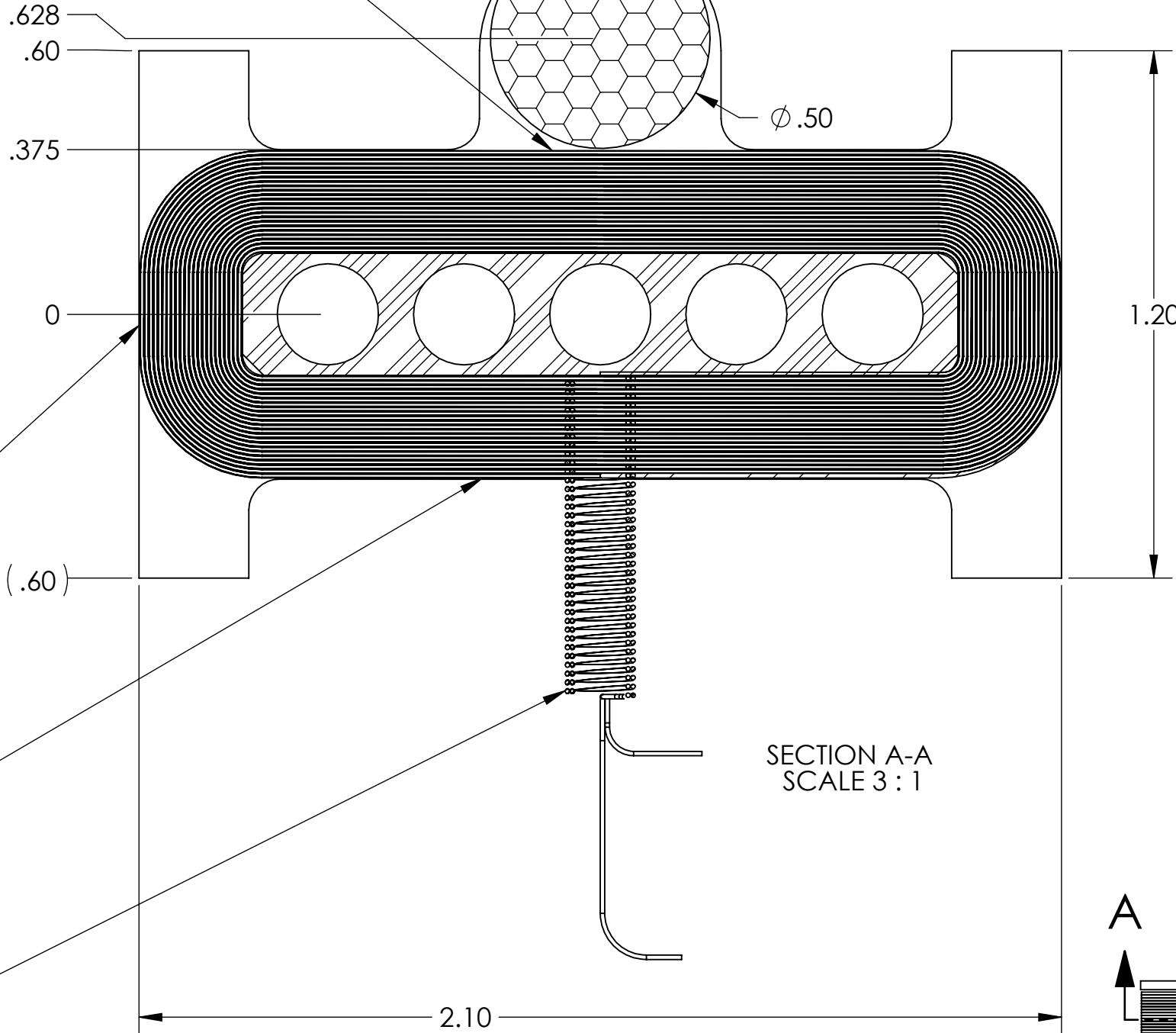
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COILS AND POTTING MUST NOT INTERFERE WITH LOCATION OF MIRROR

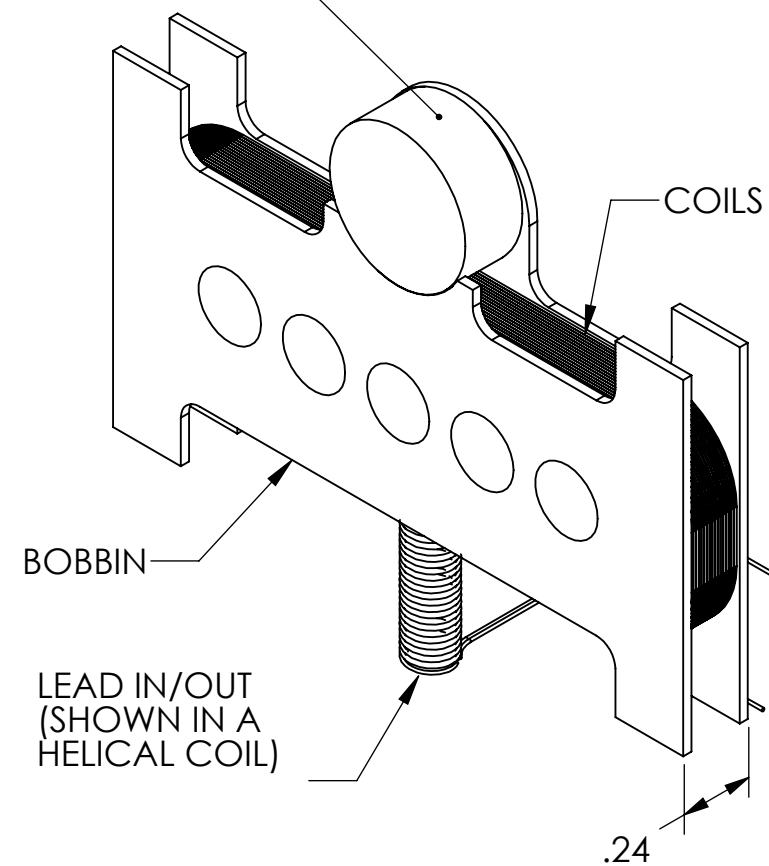
MIRROR (SHOWN FOR REFERENCE, WILL BE ADDED BY LIGO AFTER WINDING)



FILL BOBBIN WITH AS MANY WINDINGS AS POSSIBLE WITHOUT COILS AND POTTING EXCEEDING EXTERNAL DIMENSIONS OF BOBBIN

COILS AND POTTING MUST NOT EXCEED EXTERNAL DIMENSIONS OF BOBBIN

LEAVE LEADOUT/IN AS UNCOILED 12 INCH PIGTAIL



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D1003319 BOBBIN-COIL Assembly, ISC, aLIGO, PART PDM REV: X-002, DRAWING PDM REV: X-001

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN INCHES		1. INTERPRET DRAWING PER ASME Y14.5-1994.	
TOLERANCES:		2. REMOVE ALL SHARP EDGES, .005-.015, FOR MACHINED PARTS.	
.XX ± .01		3. DO NOT SCALE FROM DRAWING.	
.XXX ± .005		4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.	
ANGULAR ± .5°			
MATERIAL	SEE NOTES	FINISH	N/A μinch

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM: **ADVANCED LIGO** SUB-SYSTEM: **ISC**

NEXT ASSY: **D1003318**

PART NAME				BOBBIN-COIL Assembly			
DESIGNER	SBARNUM	APR 2013	SIZE	DWG. NO.	REV.		
DRAFTER	SBARNUM	1 MAY 2013	B	D1003319	v3		
CHECKER	PFRITSCHEL		SCALE: 2:1	PROJECTION:	SHEET 1 OF 1		

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