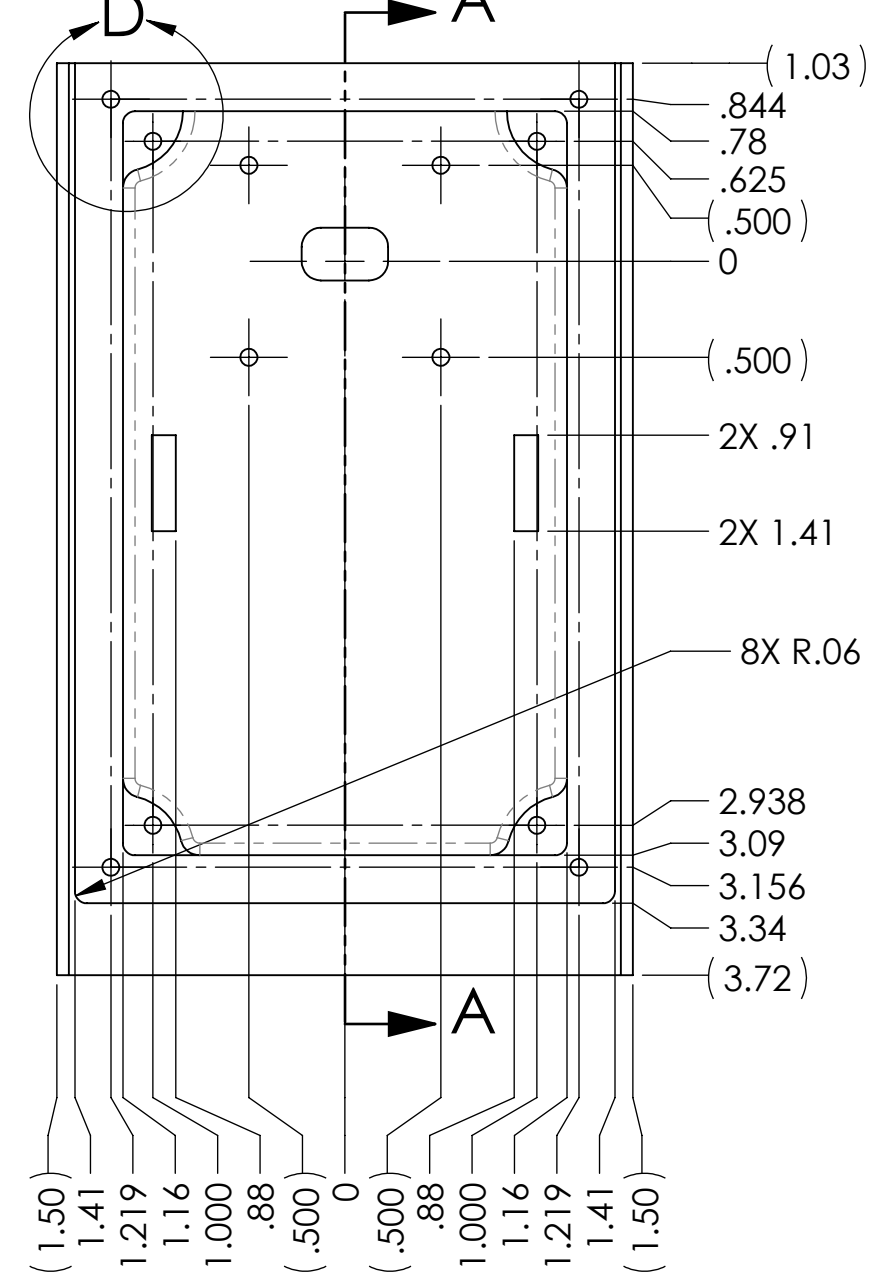
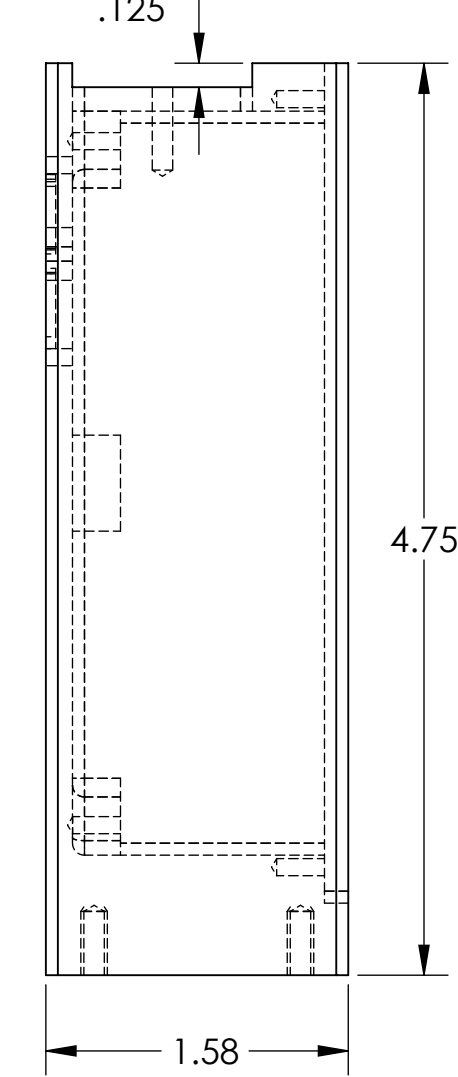
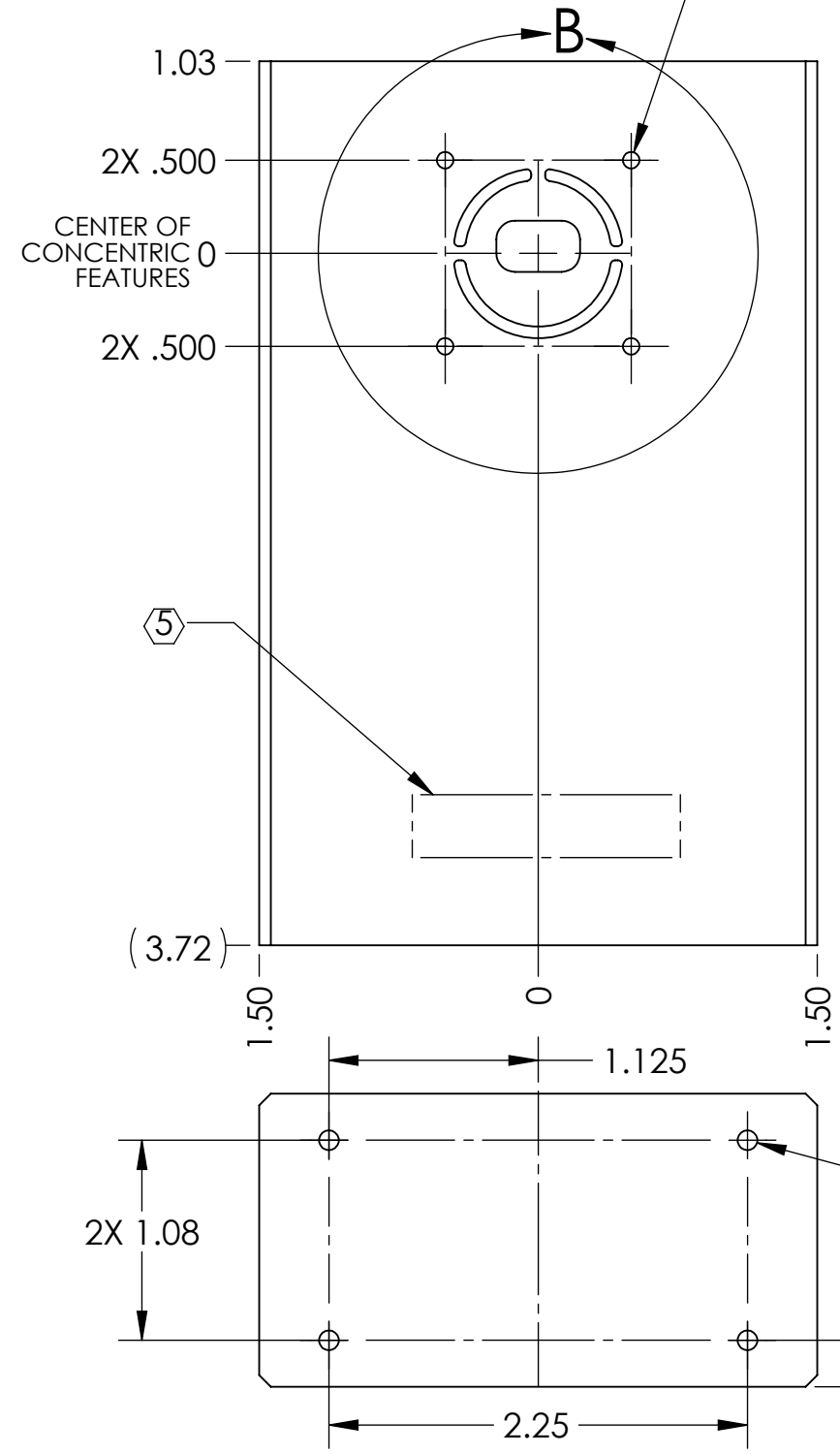


D1201133\_HOUSING, αLIGO TCS CO2 LASER PD PREAMP, PART PDM REV: X-021, DRAWING PDM REV: X-022

**NOTES CONTINUED:**  
 5. SCRIBE, ENGRAVE (A VIBRATORY TOOL MAY BE USED), LASER MARK OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER, REVISION (AND VARIANT OR "TYPE" IF APPLICABLE) ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE MINIMUM 0.12" HIGH CHARACTERS, UNLESS THE SIZE OF THE PART DICTATES SMALLER CHARACTERS. EXAMPLE: DXXXXXX-VY, TYPE-XX, S/N XXX

- 6. APPROXIMATE WEIGHT = 0.840 LB
- 7. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH. USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED. REFER TO LIGO-E0900364
- 8. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.
- 9. ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. NO WELD REPAIRS, 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 #
v1	17-AUG-2012	-	-
v2	08-FEB-2013	E1300092-x0	E1300097-v1
-	-	-	-

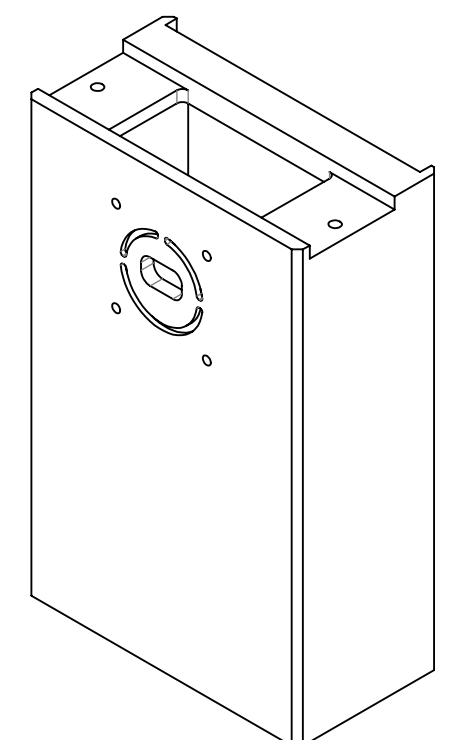
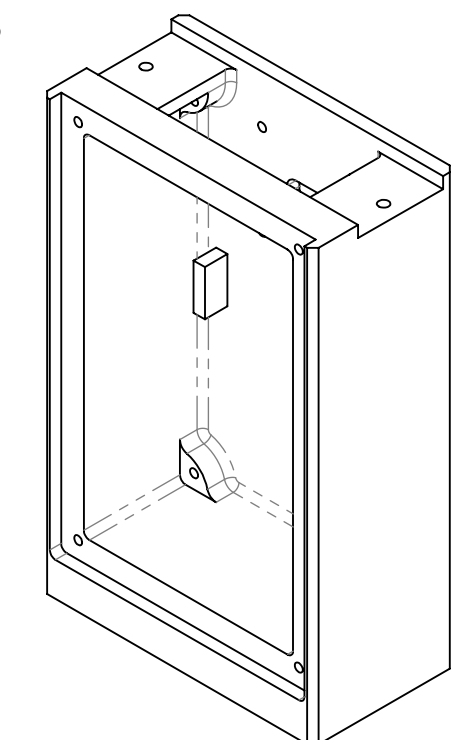


2X  $\phi$  .11  $\nabla$  .43  
 6-32 UNC - 1B  $\nabla$  .38

4X  $\phi$  .09  
 4-40 UNC - 1B  
 THRU WALL

4X .063 X 45°  
 CHAMFER

4X  $\phi$  .11  $\nabla$  .33  
 6-32 UNC - 1B  $\nabla$  .33



**NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)**

DIMENSIONS ARE IN INCHES

TOLERANCES:  
 .XX ± .01  
 .XXX ± .005  
 ANGULAR ± 1.0°

1. INTERPRET DRAWING PER ASME Y14.5-1994.  
 2. REMOVE ALL SHARP EDGES, .005-.015, FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATELY R.02  
 3. DO NOT SCALE FROM DRAWING.  
 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.

**MATERIAL** 6061 Alloy **FINISH** 63 μinch

**SYSTEM** ADVANCED LIGO **SUB-SYSTEM** AOS **NEXT ASSY** D1201065

**CALIFORNIA INSTITUTE OF TECHNOLOGY**  
**MASSACHUSETTS INSTITUTE OF TECHNOLOGY**

**PART NAME** HOUSING, αLIGO TCS CO2 LASER PD PREAMP

<b>DESIGNER</b> M. JACOBSON	07-AUG-12	<b>SIZE</b> DWG. NO.	<b>D1201133</b>	<b>REV.</b>
<b>DRAFTER</b> M. JACOBSON	15-AUG-2012	<b>B</b>		<b>v2</b>
<b>CHECKER</b> B. ABBOTT	08-FEB-2013	<b>SCALE:</b> 1:1	<b>PROJECTION:</b>	<b>SHEET 1 OF 2</b>
<b>APPROVAL:</b> HEPTONSTALL	29-JAN-2013			

8 7 6 5 4 3 2 1

