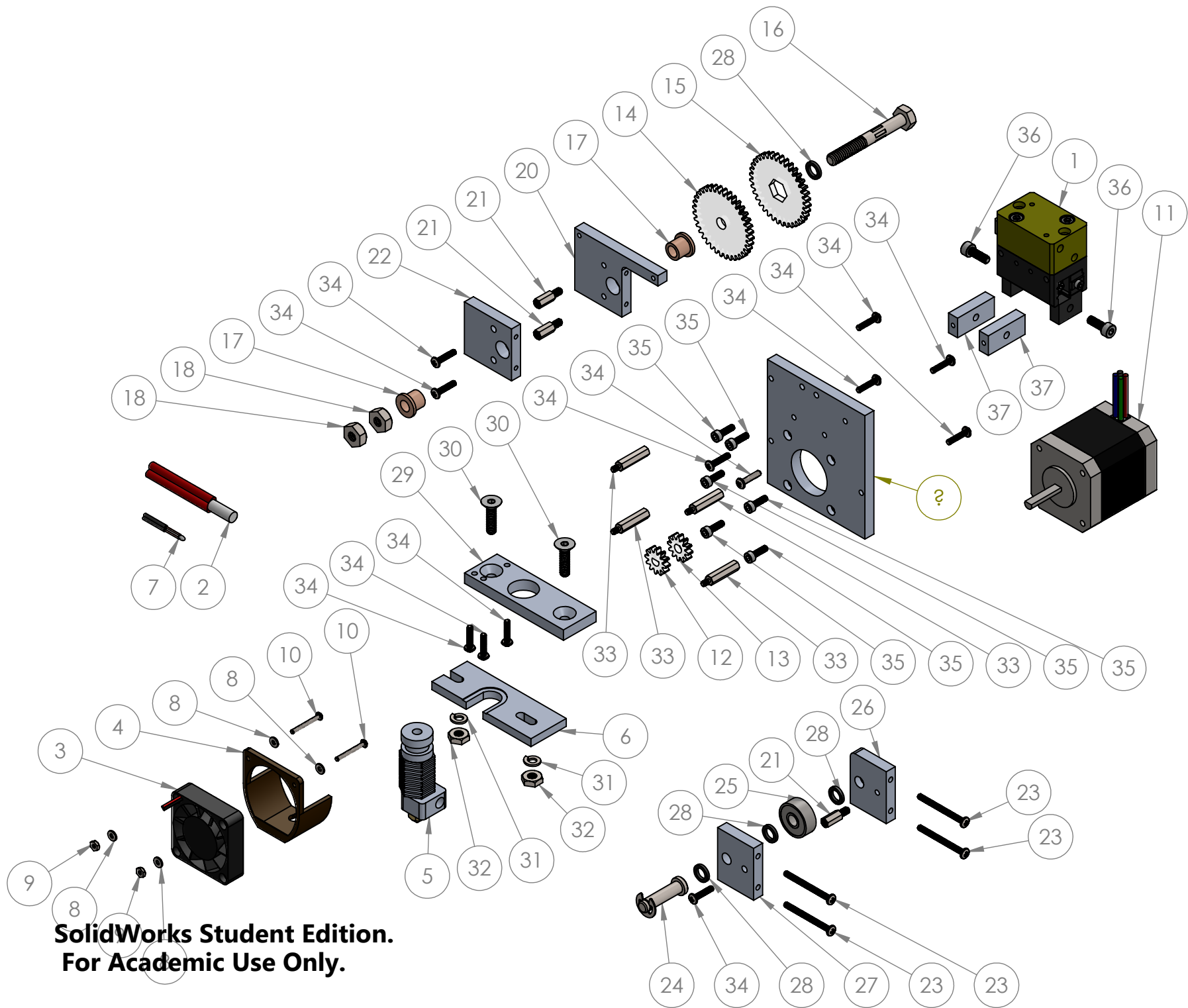


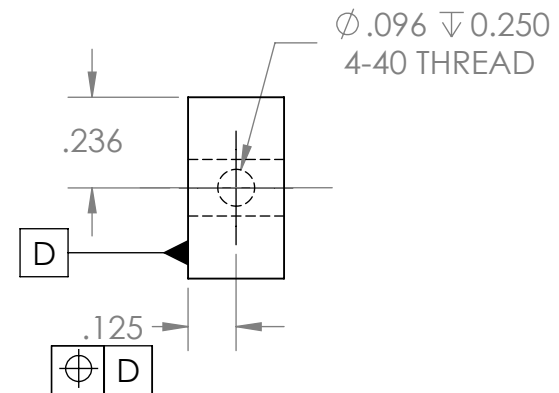
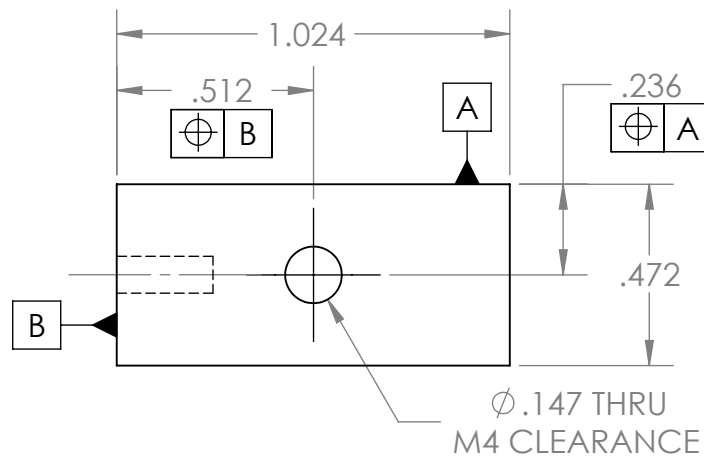
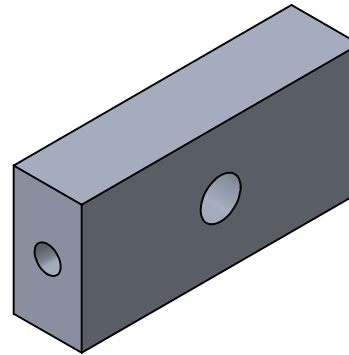
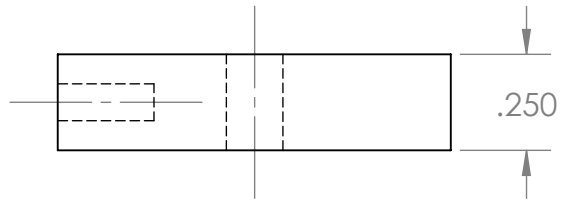
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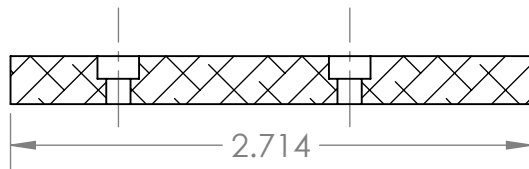
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ITEM NO.	PART NUMBER	QTY.	MANUFACTURE
1	SCHUNK_0340012_MPG_40__0000	1	
2	Ceramic Heater	1	
3	Fan	1	
4	Fan Mount	1	
5	J head	1	
6	Nozzle Mounting Plate	1	
7	Thermocouple	1	
8	90126A501	4	
9	90480A003	2	
10	91735A029	2	
11	Stepper Motor	1	
12	12 - 0_5 in gear 1	1	LASER-CUT
13	12 - 0_5 in gear 2	1	LASER-CUT
14	36 - 1_5 in gear 1	1	LASER-CUT
15	36 - 1_5 in gear 2	1	LASER-CUT
16	90201A119	1	
17	1688k2 bronze ptfe oil sleeve bearing	2	
18	90480A029	2	
19	Stepper Motor Mounting Plate Revision 2	1	MACHINE
20	Extruder Plate Back	1	MACHINE
21	93505A471	3	
22	Extruder Plate Front	1	MACHINE
23	91772A116	4	
24	92735A230	1	
25	Bearing	1	
26	Stepper Motor Translation Mounting Plate	1	MAHCINE
27	Stepper Motor Translation Mounting Plate 2	1	MACHINE
28	14 20 Flat Washer narrow	4	
29	Extruder to Nozzle Mounting Plate	1	MACHINE
30	91253A245	2	
31	92147A430	2	
32	90480A011	2	
33	93505A105	4	
34	91735A106	12	
35	91290A115	6	
36	91290A150	2	
37	Fanuc Mounting Connection Plate	2	MACHINE

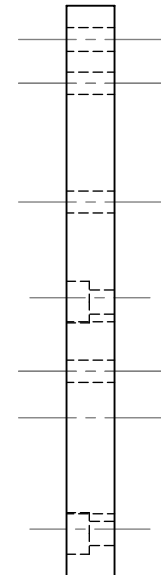
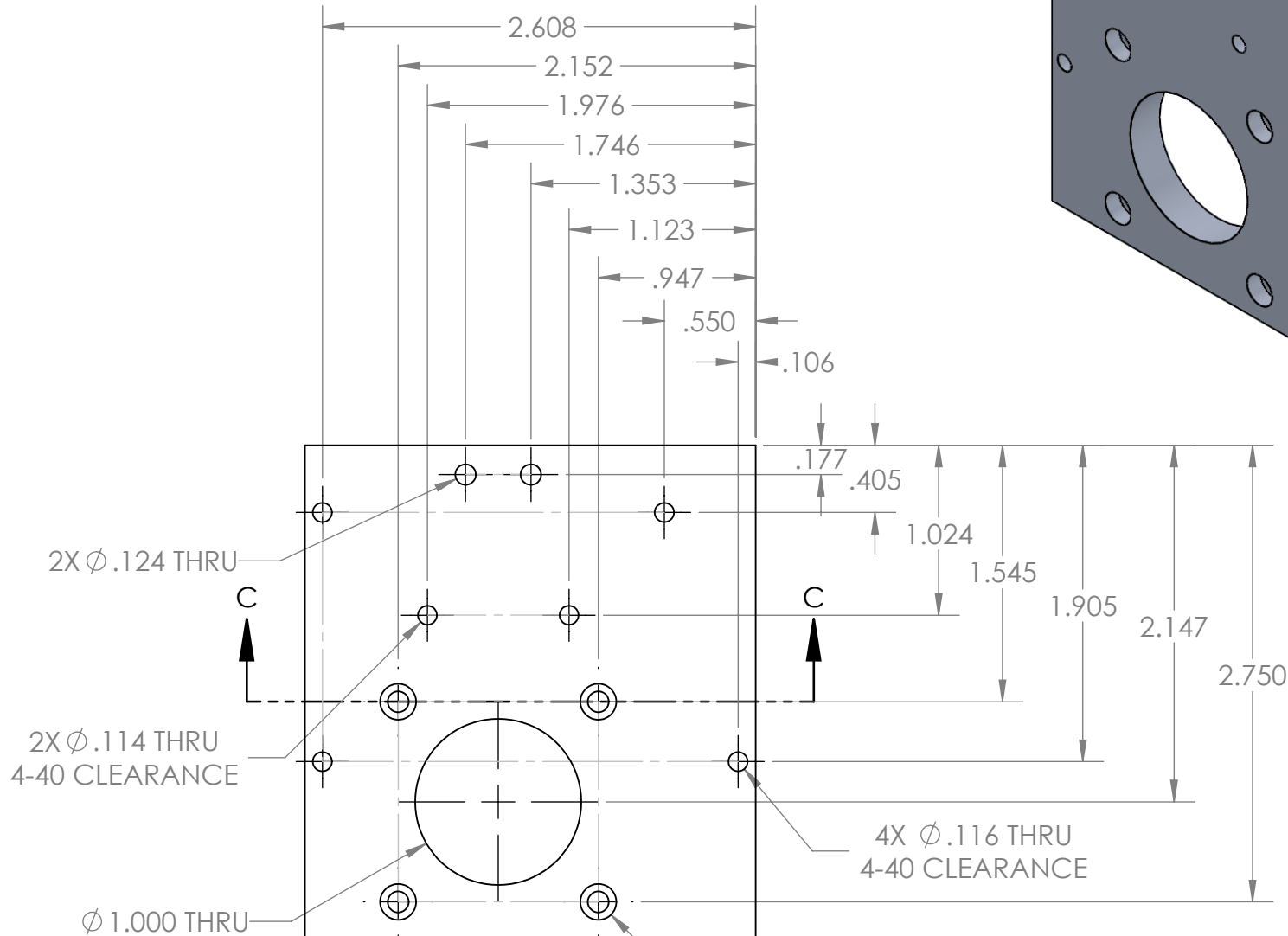
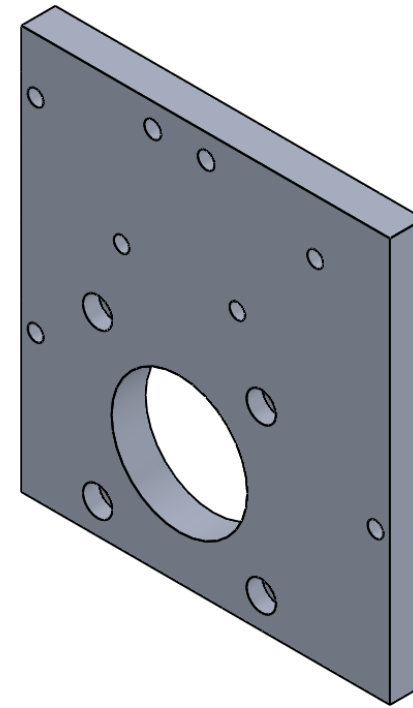
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NOTE: ITEM 37

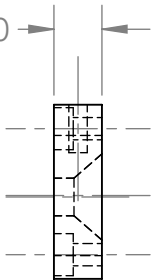
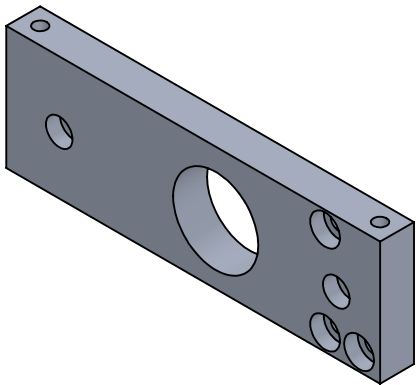


SECTION C-C  
SCALE 1 : 1

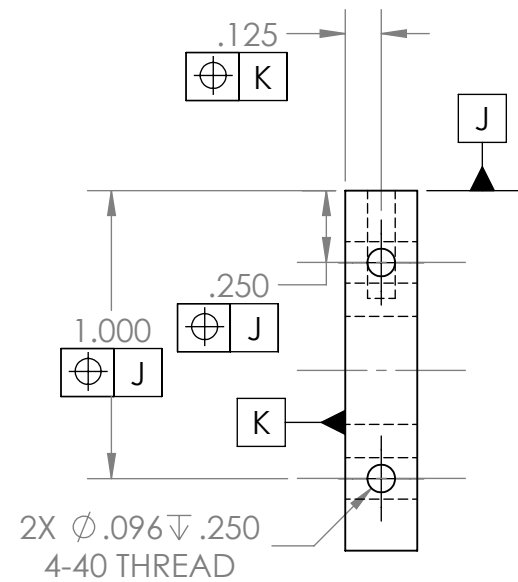
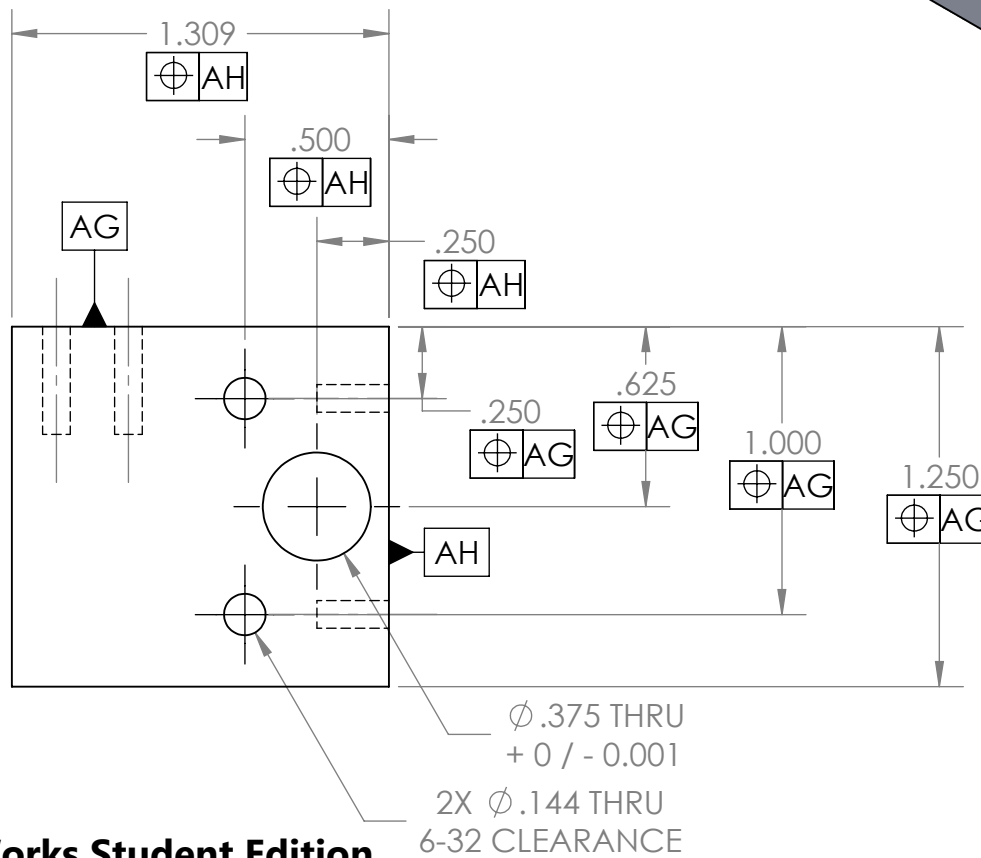
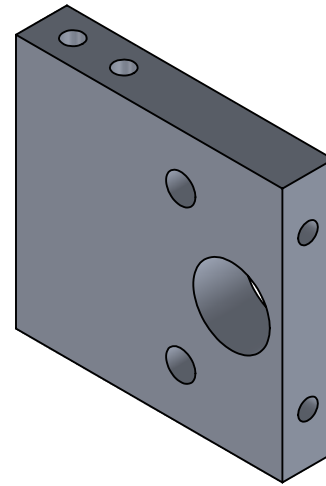
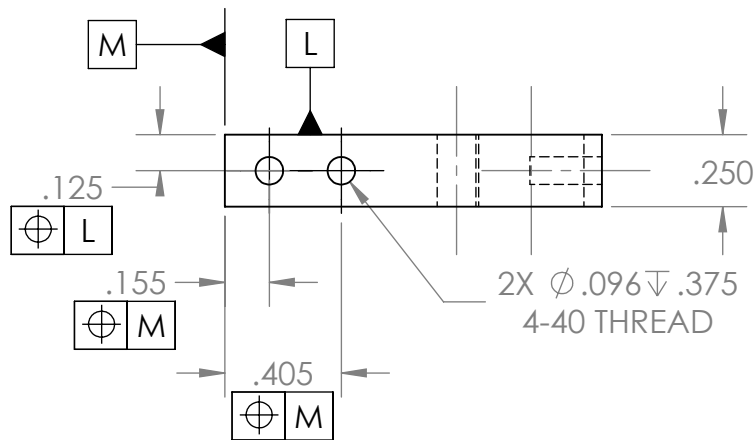


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NOTE: ITEM 19

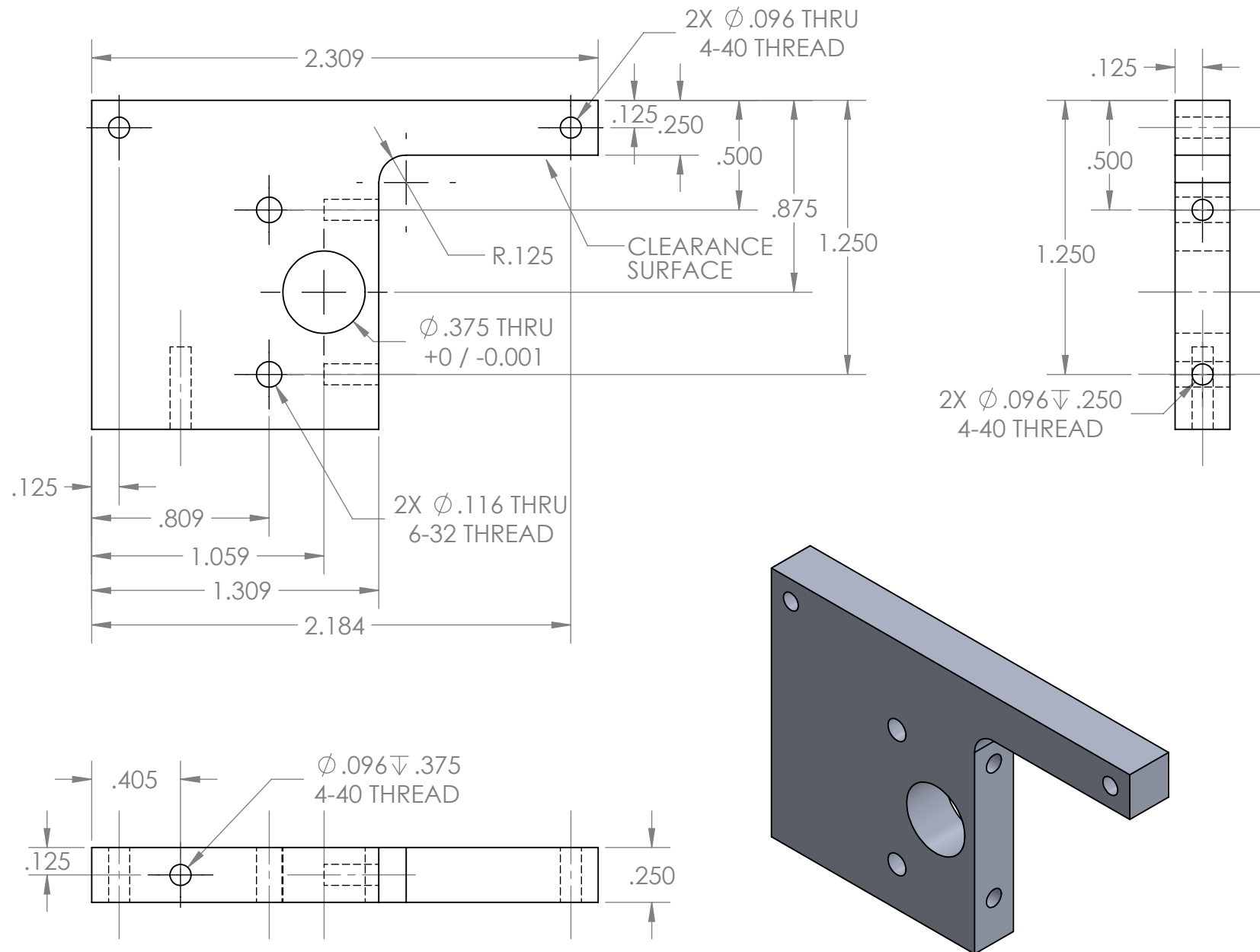


NOTE: ITEM 29



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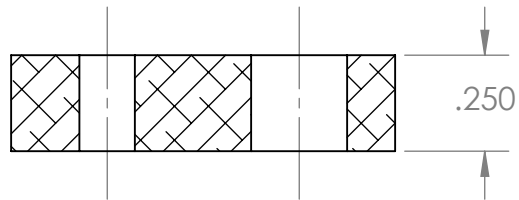
NOTE: ITEM 22



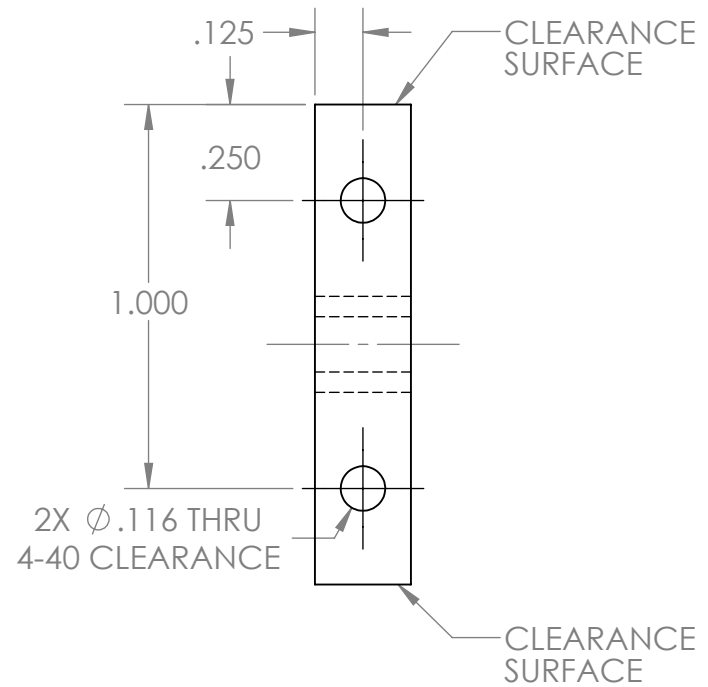
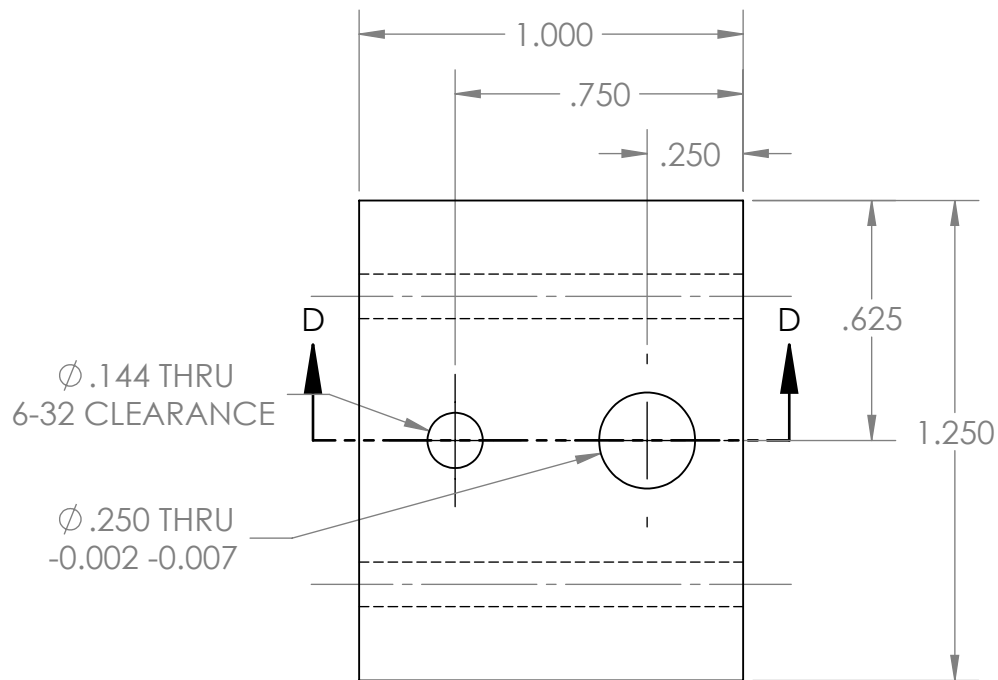
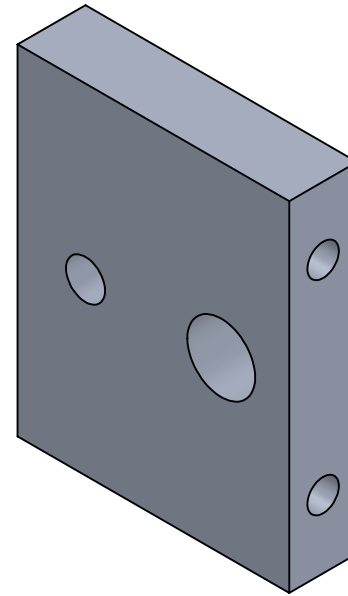
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NOTE: ITEM 20



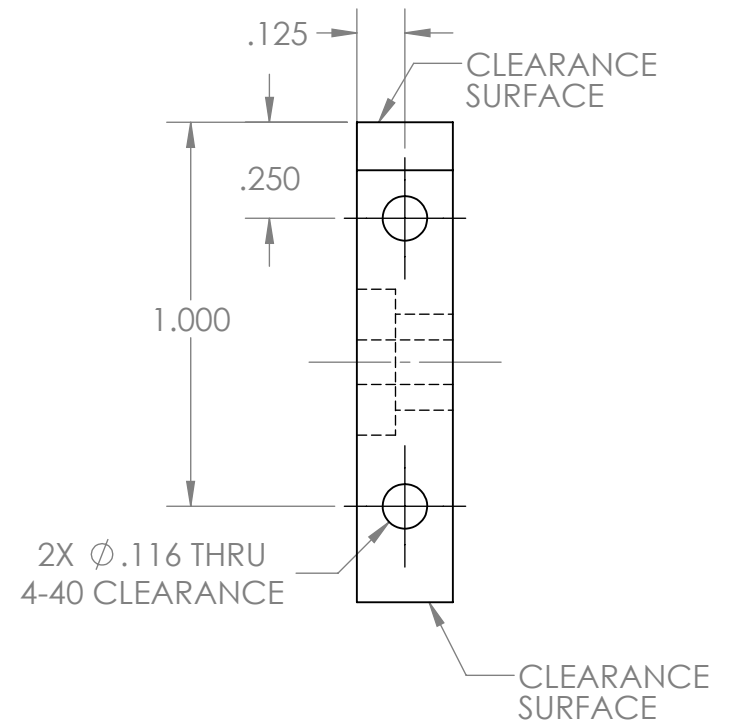
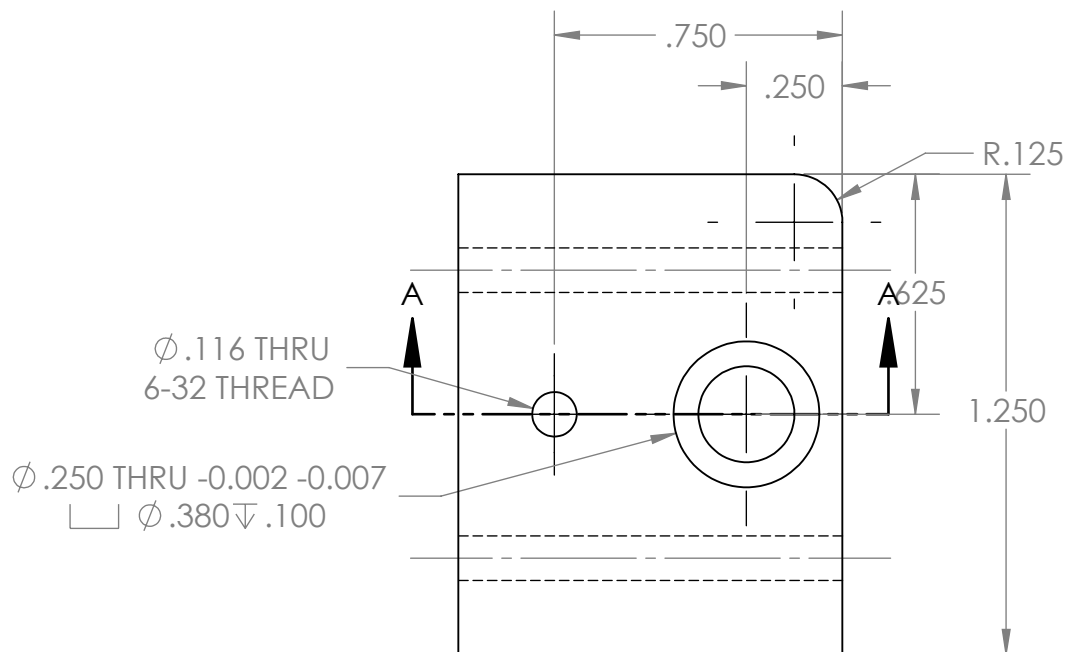
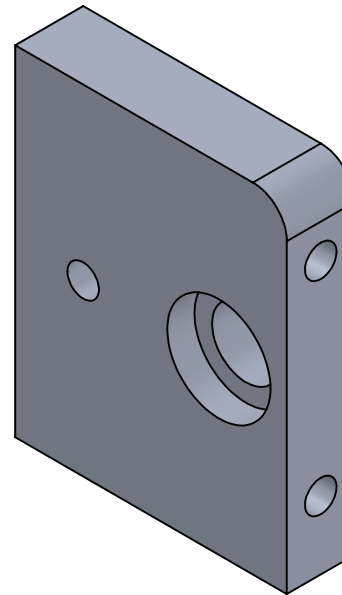
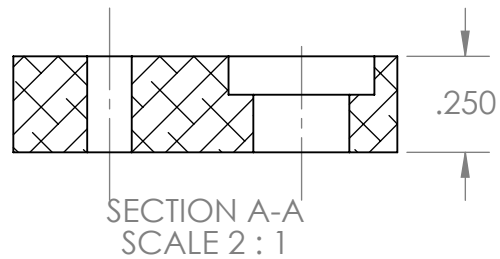


SECTION D-D  
SCALE 2 : 1



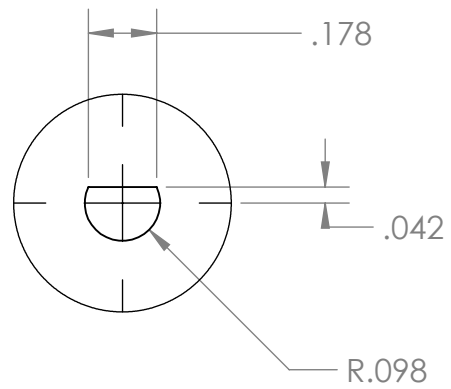
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NOTE: ITEM 27

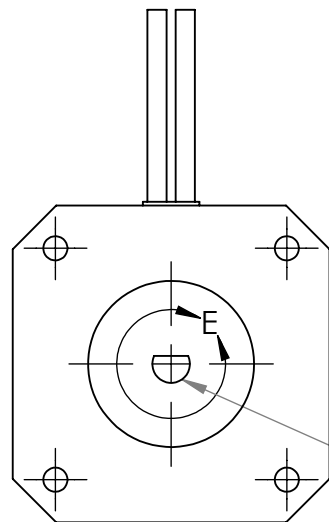


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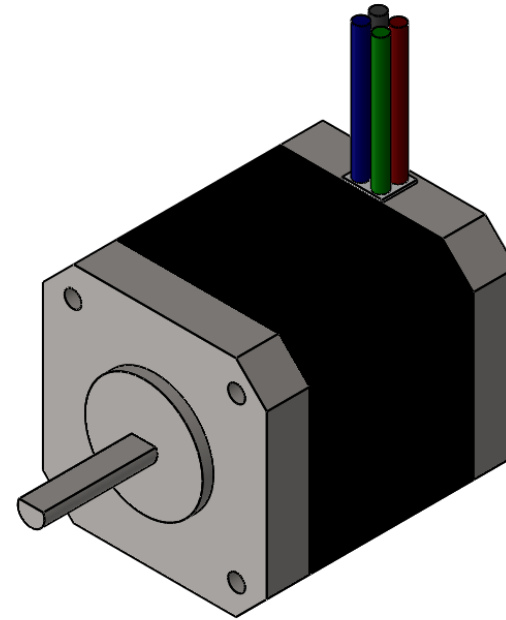
NOTE: ITEM 26



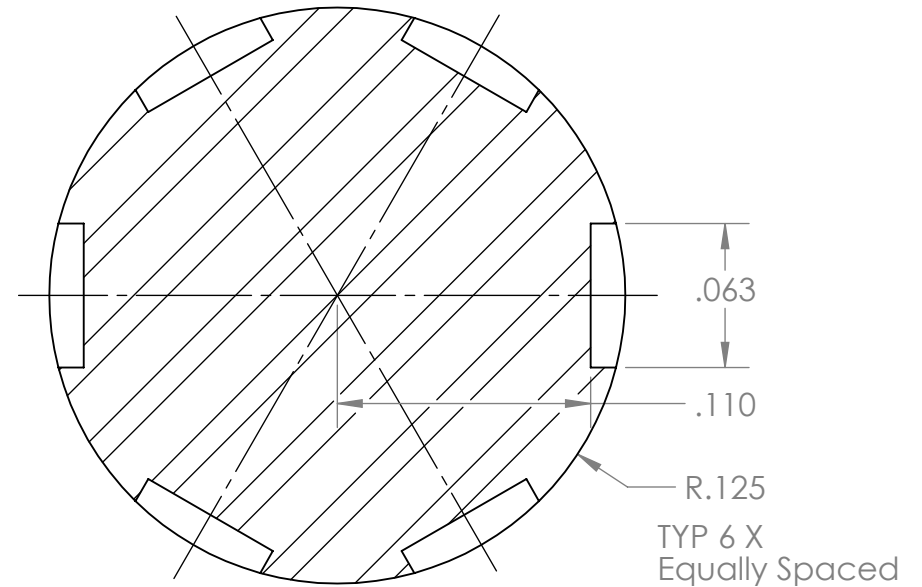
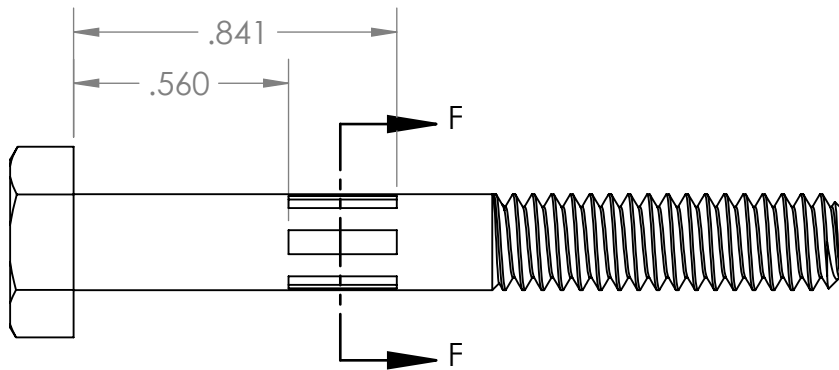
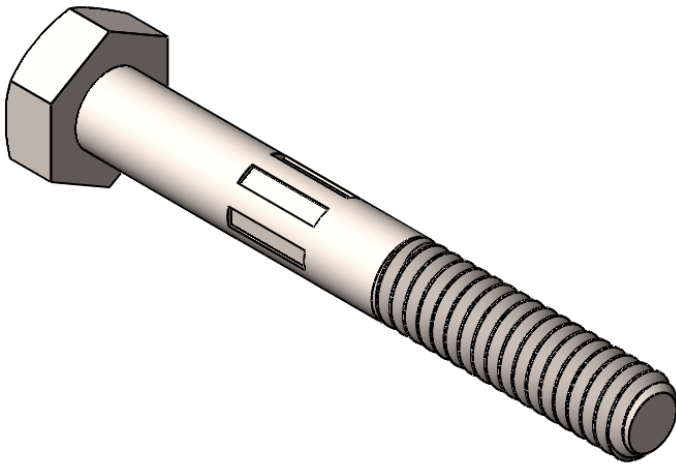
DETAIL E  
SCALE 2 : 1



NOTE: Flatten Shaft



NOTE: ITEM 11



SECTION F-F  
SCALE 12 : 1

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NOTE 1: Balloon Item 16  
NOTE 2: Given 0.06" Washer Thickness