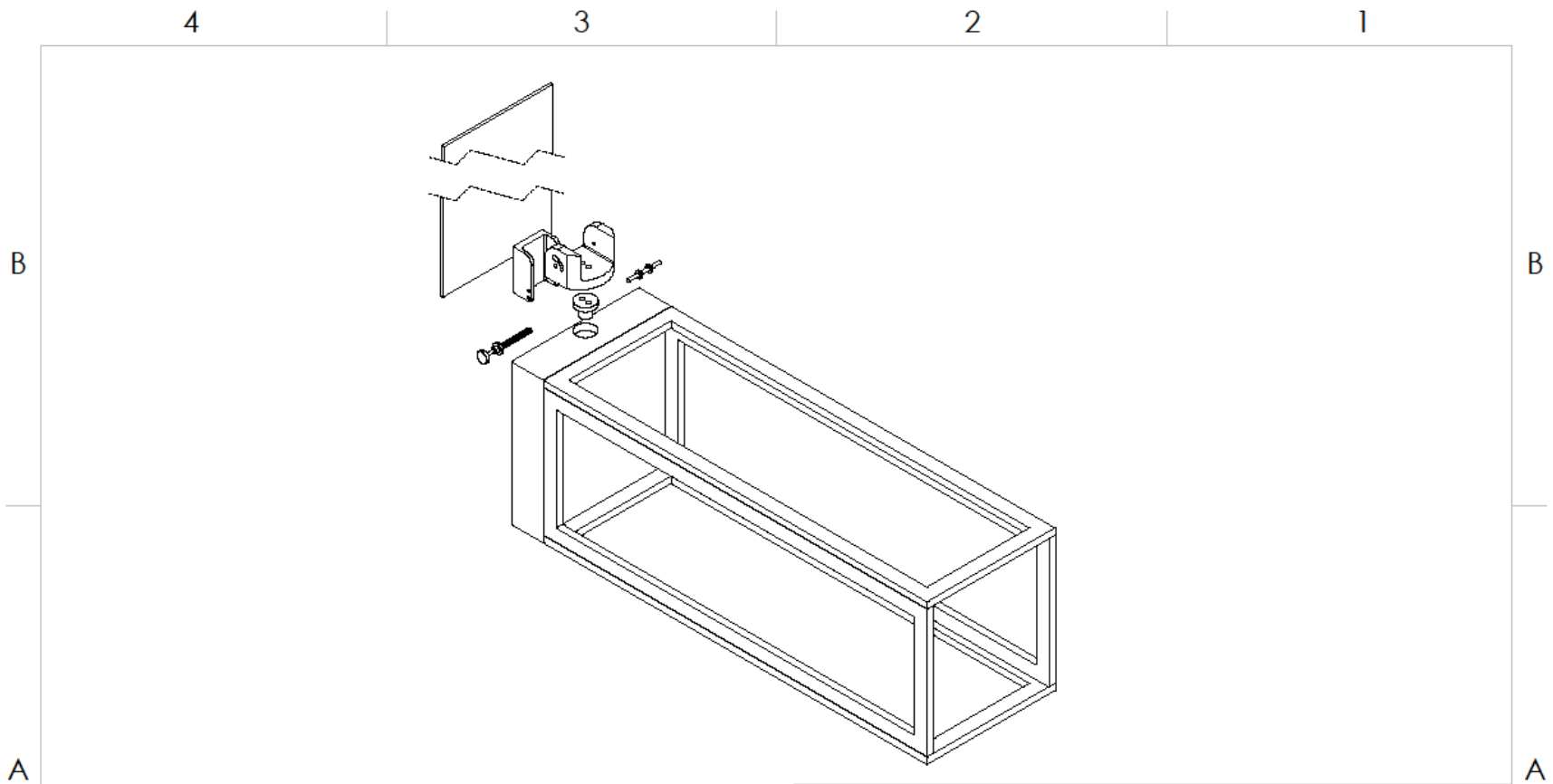


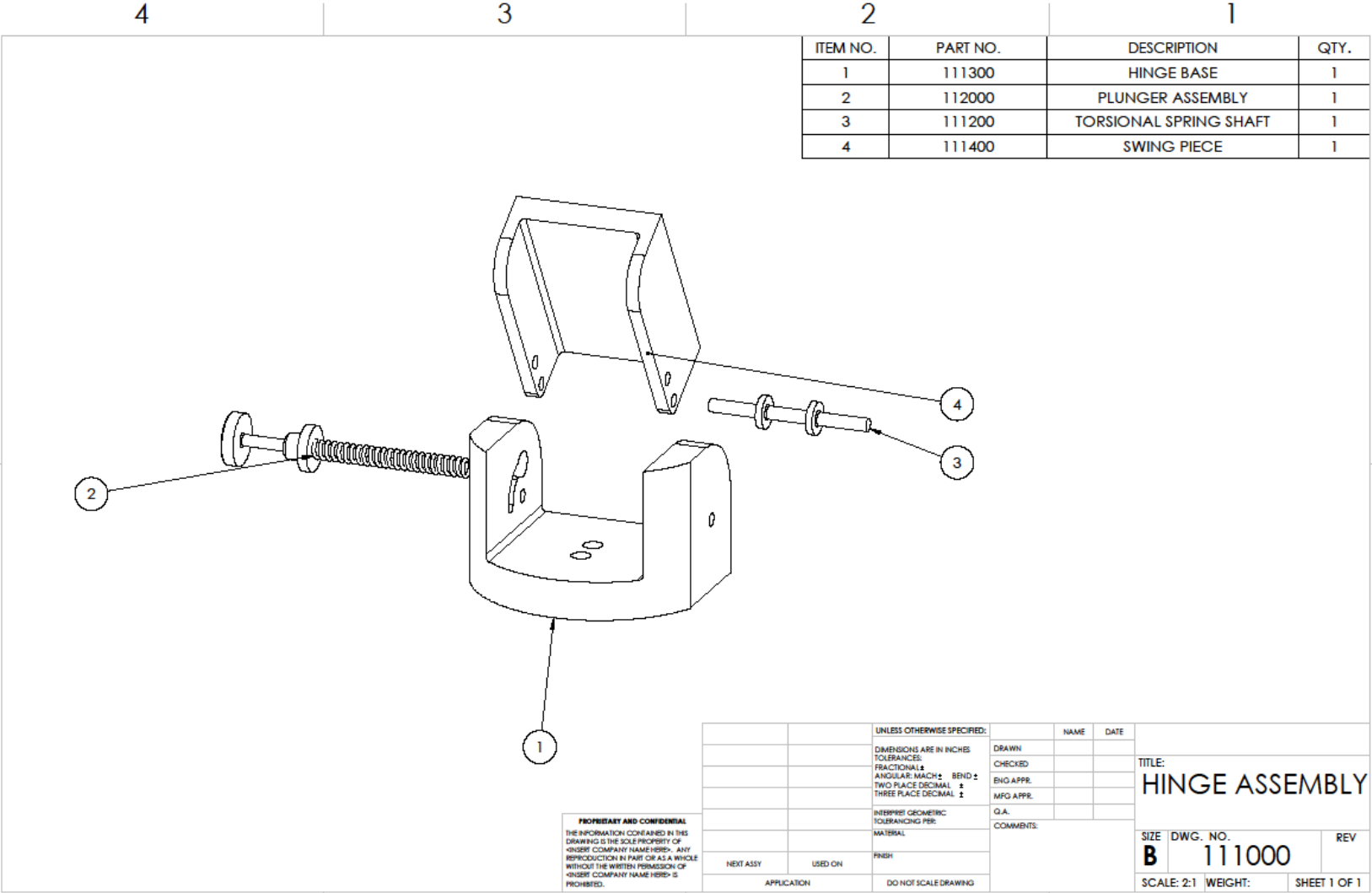
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0	100000	SADA				
1	110000		Deployment Subsystem			
2	111000			Hinge assembly		
3	111100				Torsional Spring	
3	111200				Axis Shaft	
3	111300				Hinge Base	
3	111400				Swing Piece	
2	112000			Plunger Assembly		
3	112100				Plunger Shaft	
3	112200				Plunger Spring Mate	
3	112300				Plunger Button	
3	112400				Compression Spring	
1	130000		Sun Tracking Assembly			
2	131000			Articulation Assembly		
3	131100				Stepper motor	
3	131200				Stepper driver board	
3	131300				Turn table	
3	131400				Photodiode Board	
1	140000		Electrical			
2	141000			Raspberry Pi Pico		

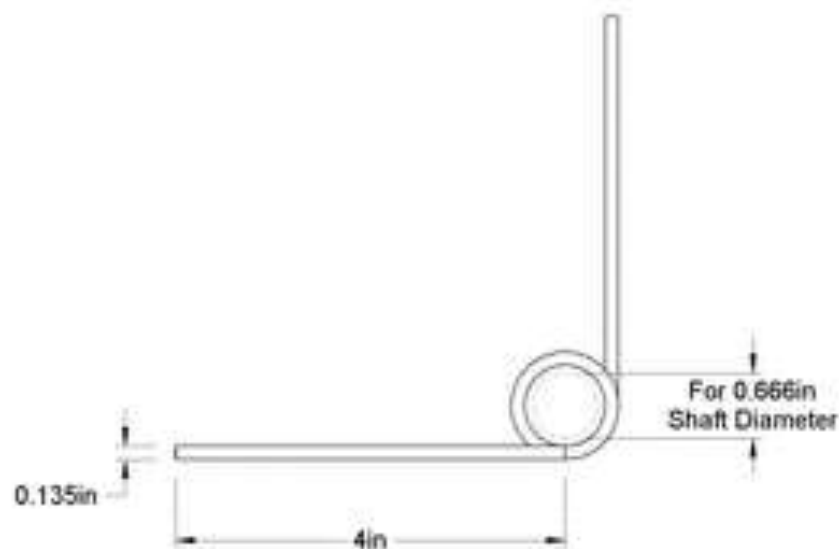


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		TOLERANCING PER:		COMMENTS:	
		MATERIAL:			
		FINISH:			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE: SADA ASSEMBLY		
SIZE B	DWG. NO. 100000	REV
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1





Spring Length @ Maximum Torque: 0.911in
 Deflection Angle: 90°
 Number of Coils: 4.25

McMASTER-CARR 3D CAD

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PART
NUMBER

9271K118

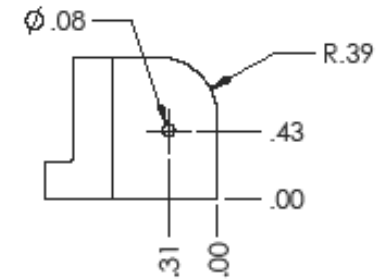
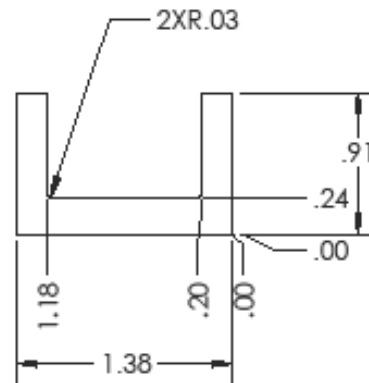
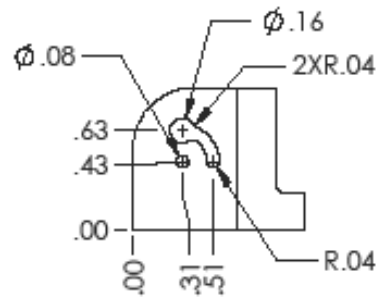
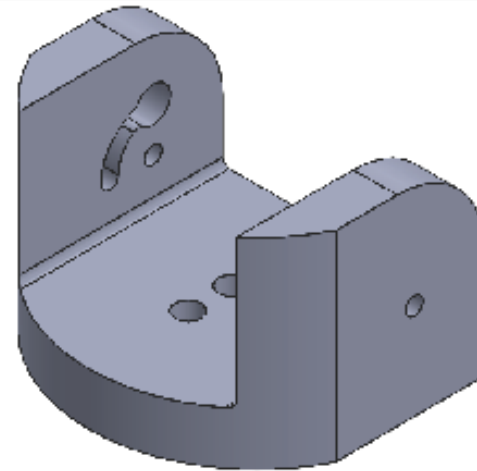
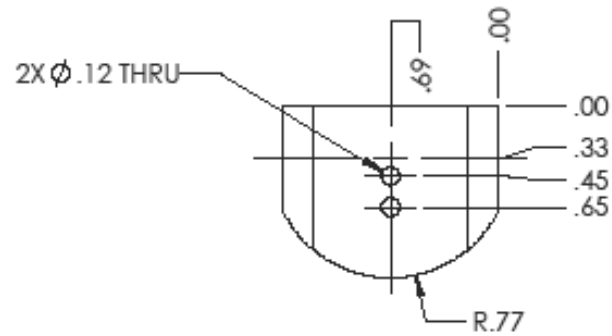
Torsion
Spring

2

1

B

B



A

A

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		TWO PLACE DECIMAL \pm		Q.A.			
		THREE PLACE DECIMAL \pm		COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:					
		MATERIAL					
NEXT ASSY		USED ON		FINISH			
APPLICATION				DO NOT SCALE DRAWING			

TITLE: HINGE BASE		
SIZE A	DWG. NO. 111300	REV
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

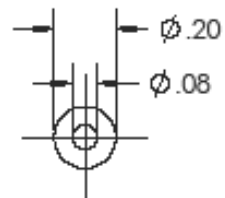
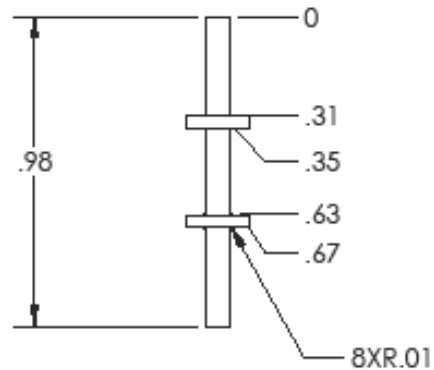
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2

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A

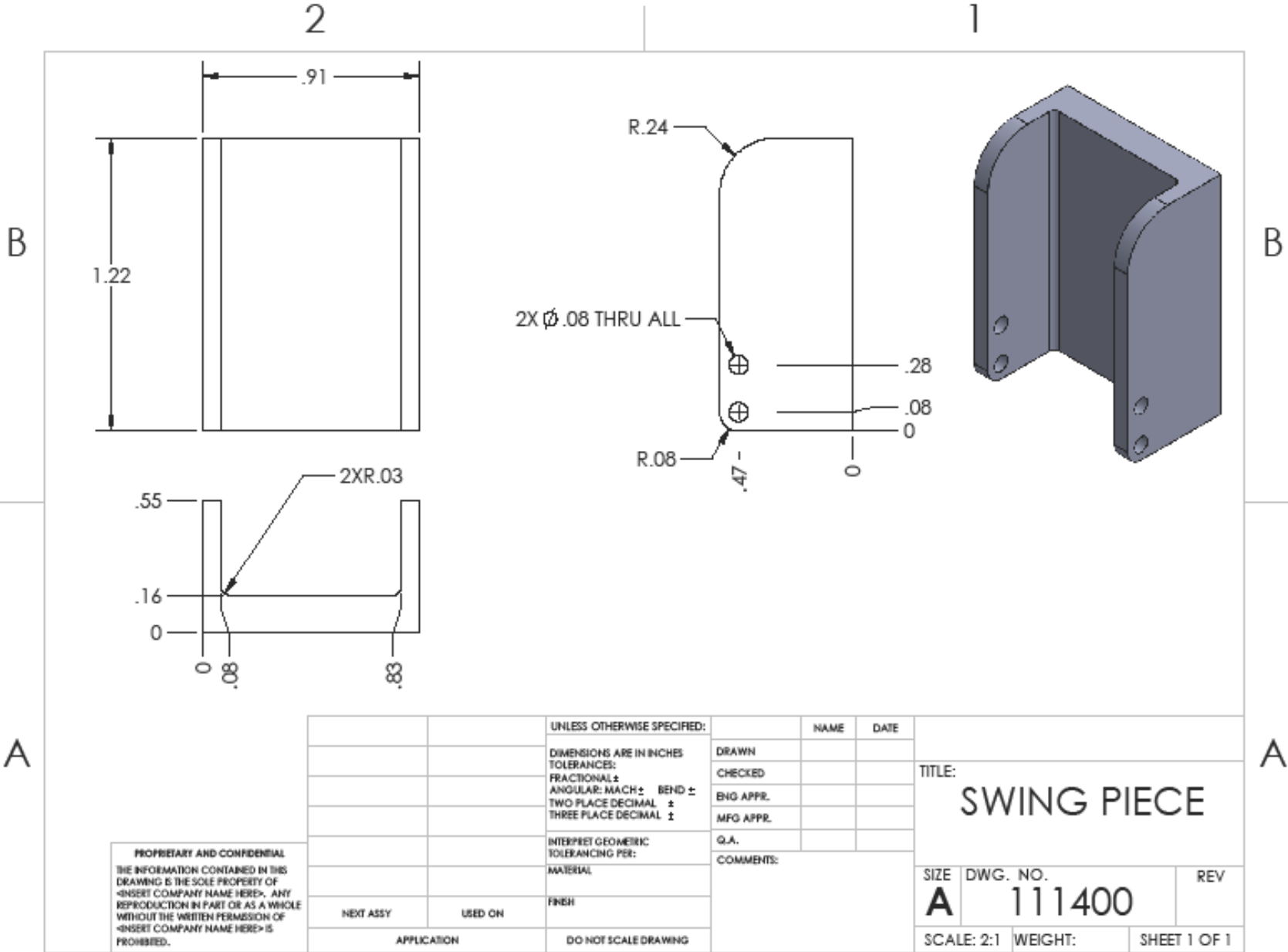
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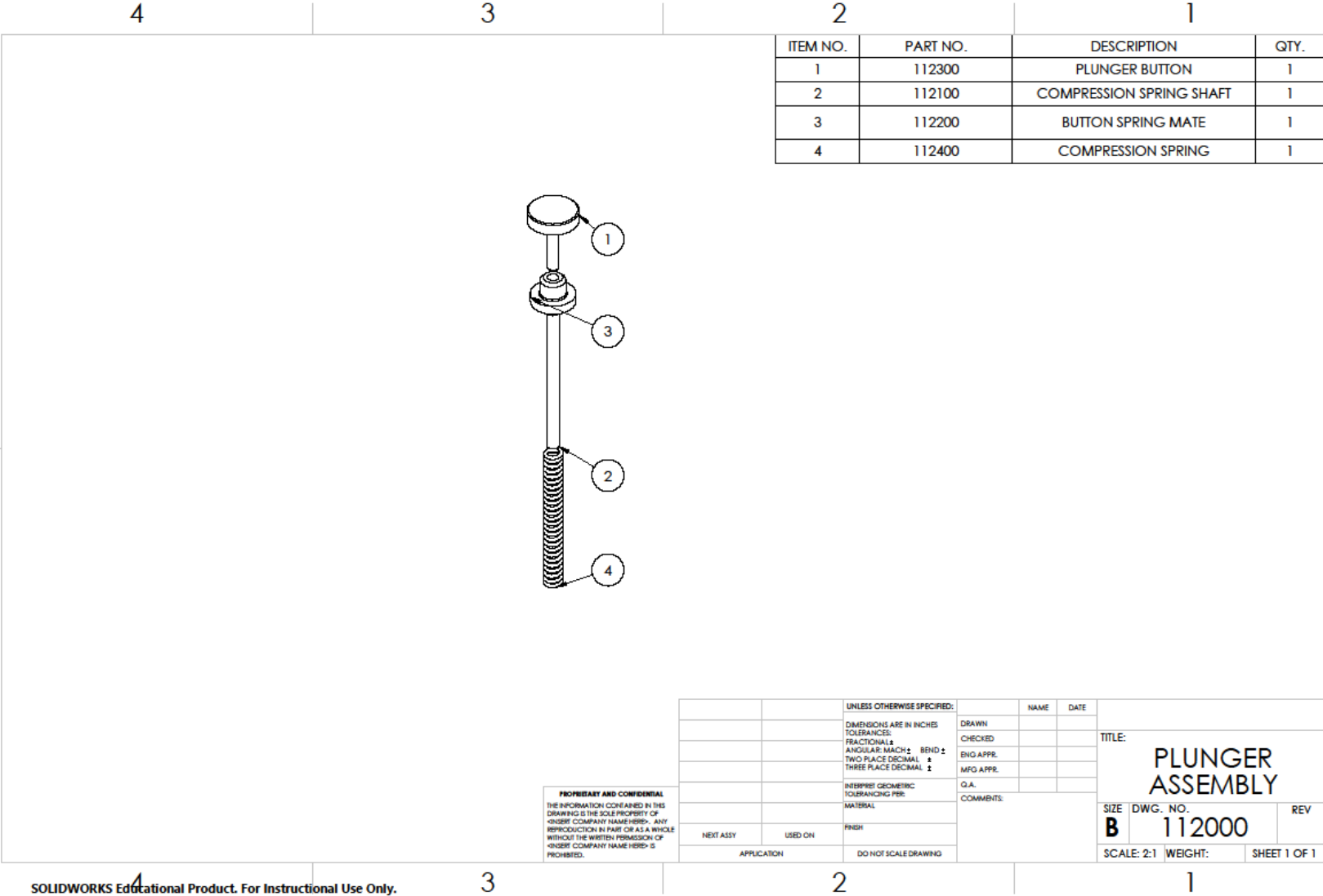
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		THREE PLACE DECIMAL \pm	COMMENTS:			111200	
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APPLICATION		DO NOT SCALE DRAWING					

2

1



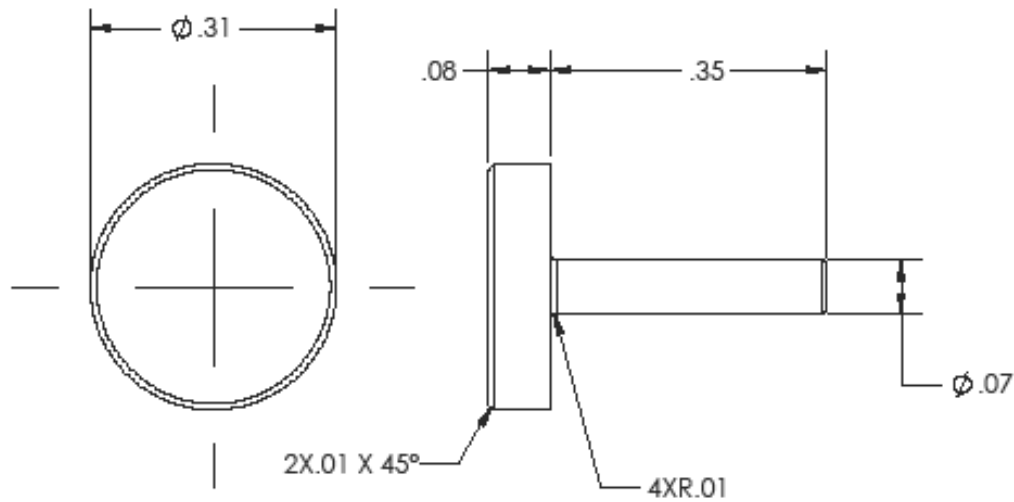


2

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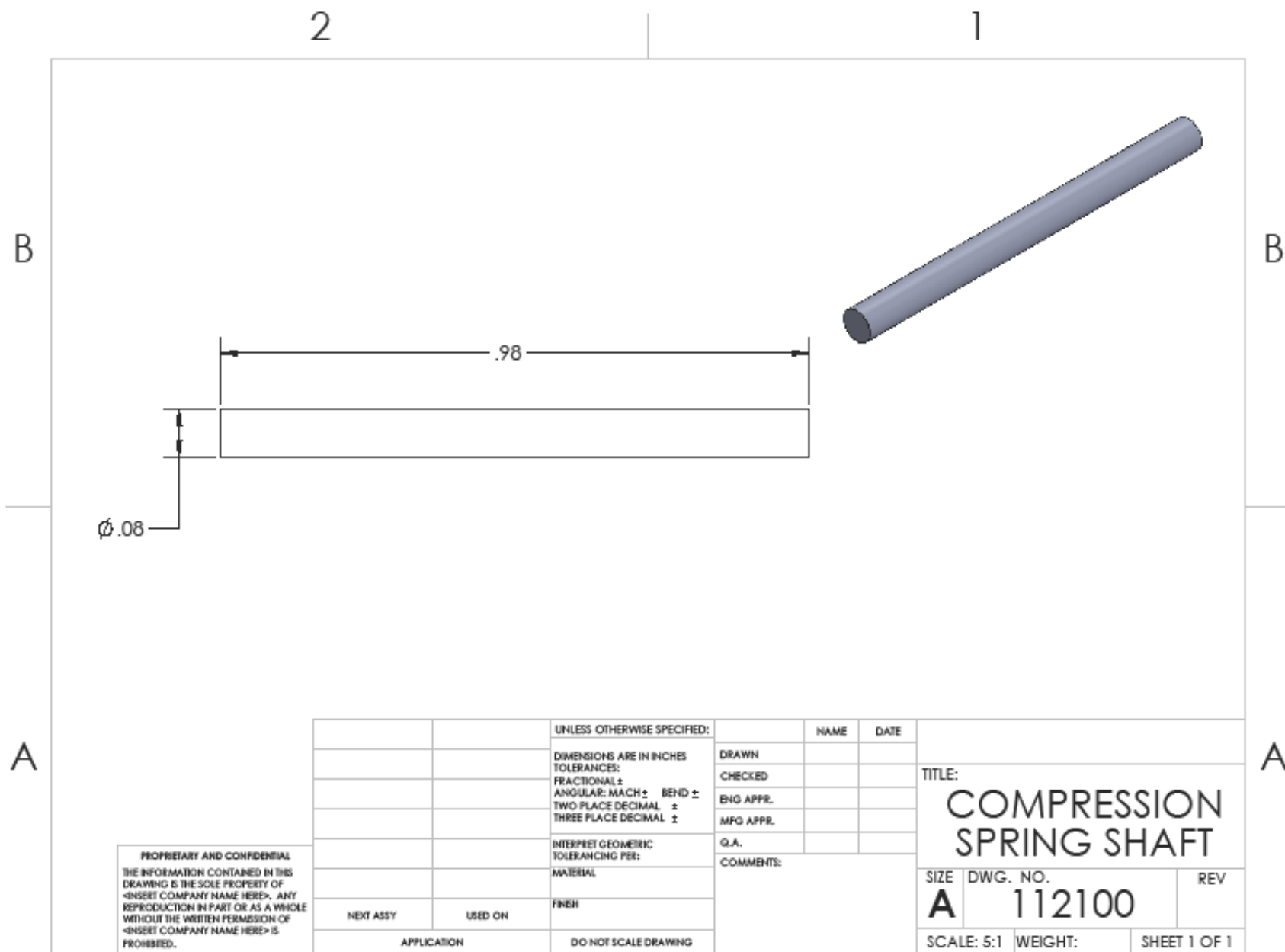
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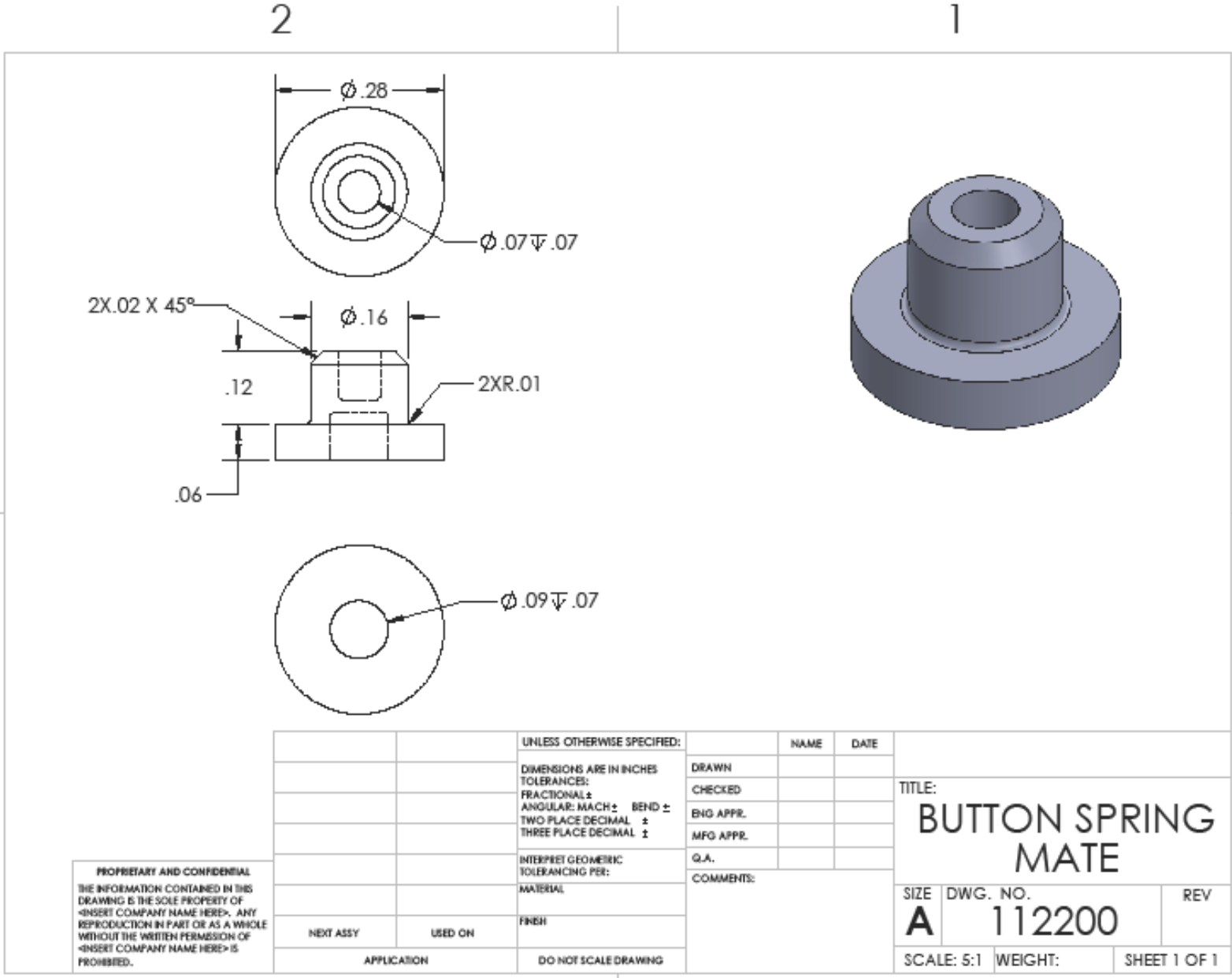
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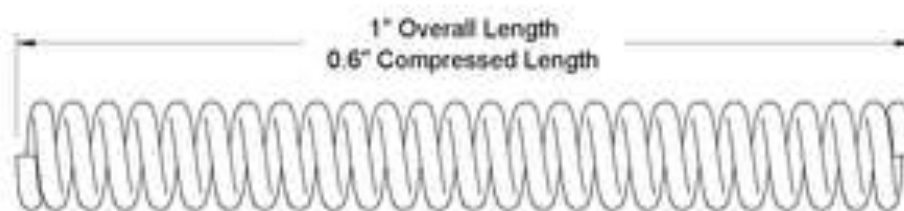
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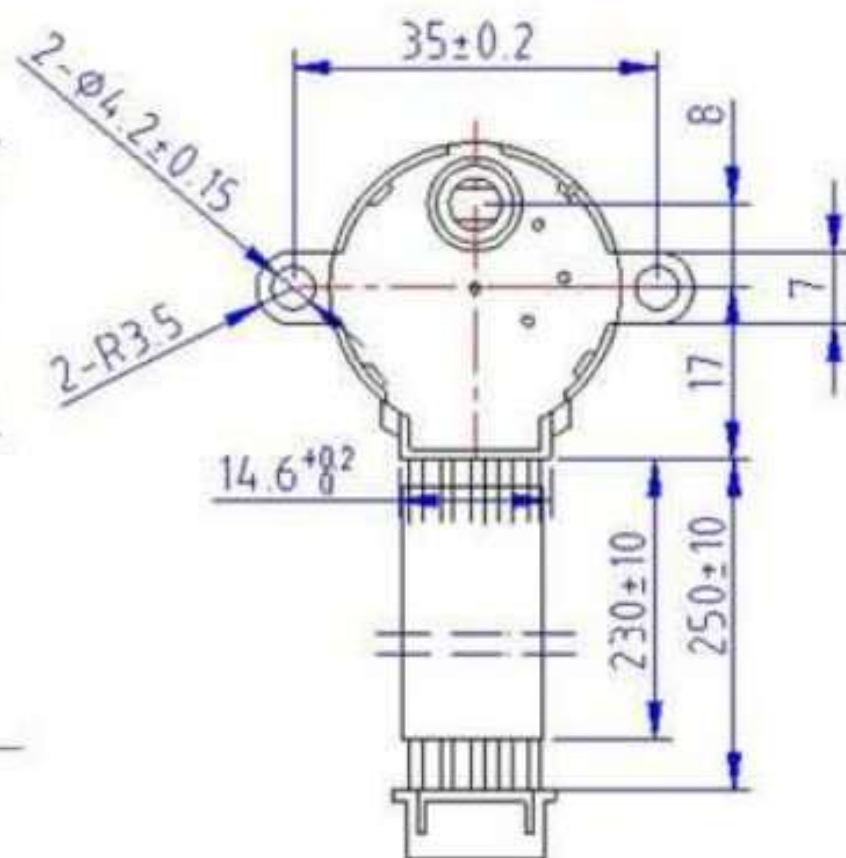
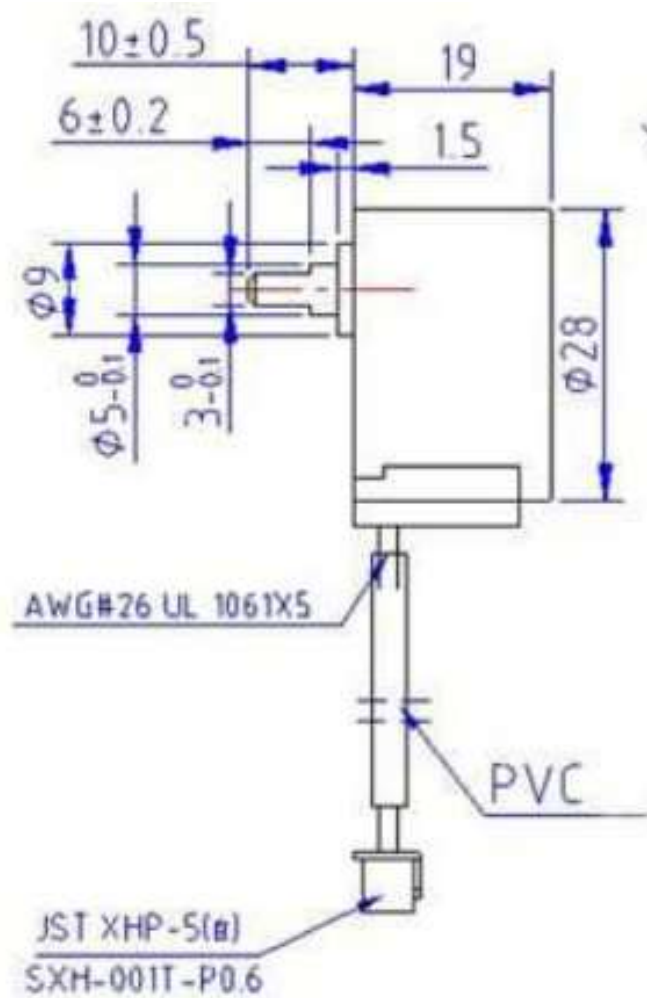
McMASTER-CARR 

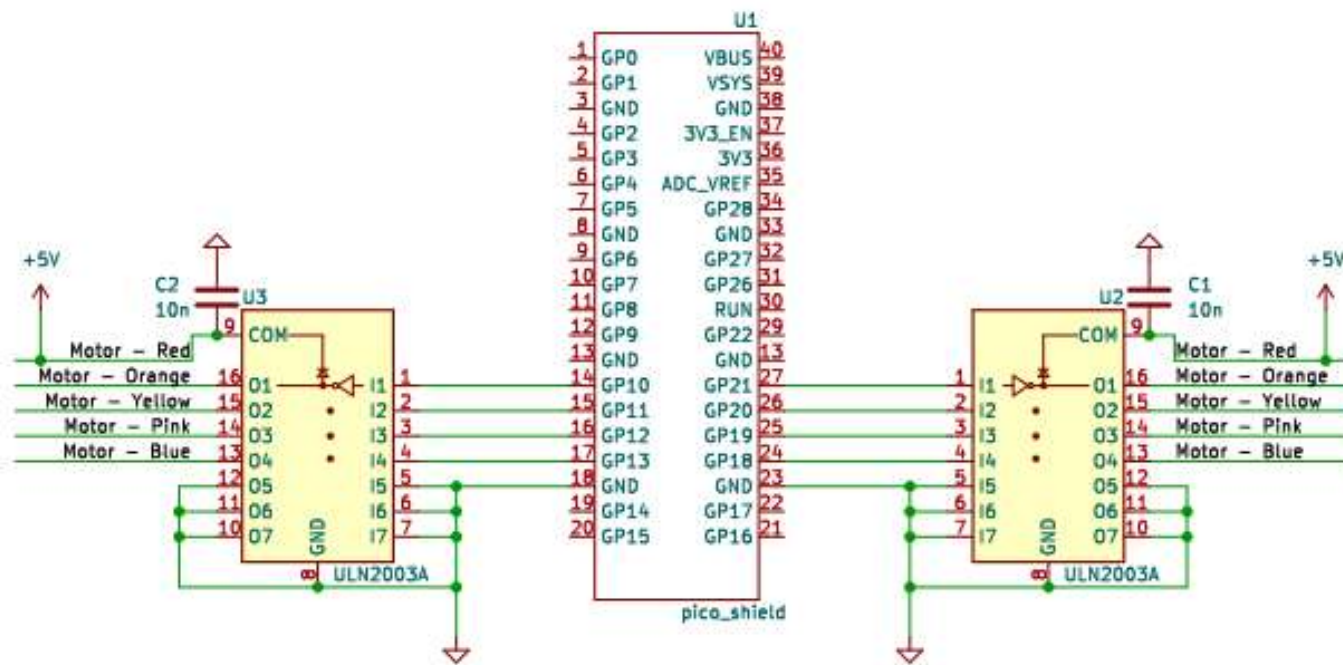
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PART
NUMBER

9657K294

Compression
Spring





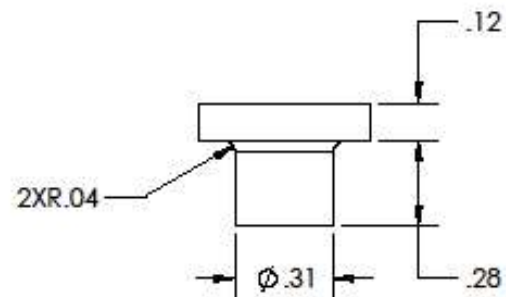
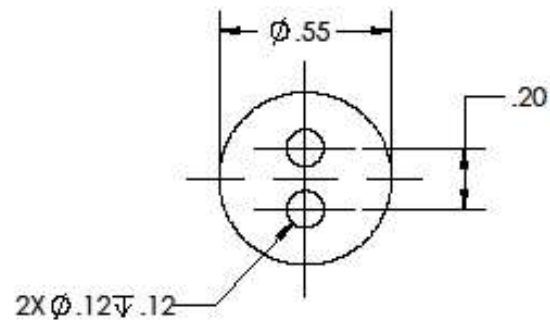
131200

2

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B

B



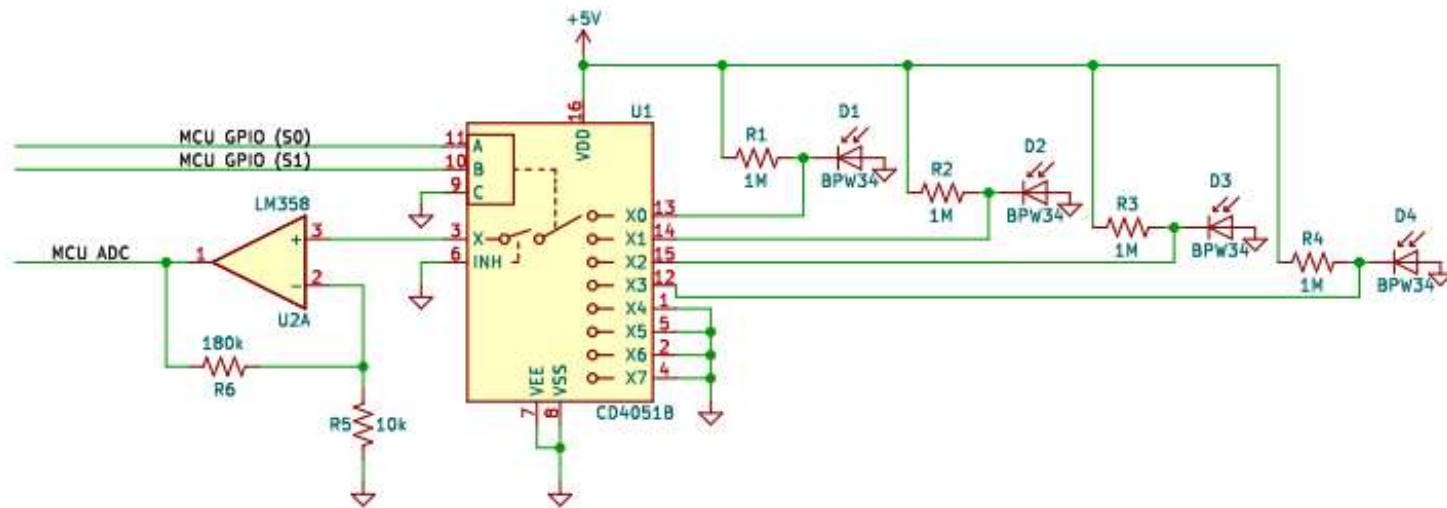
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NEXT ASSY	USED ON	APPLICATION		DO NOT SCALE DRAWING		

1



131400

