

DETAIL A

SCALE 1:1



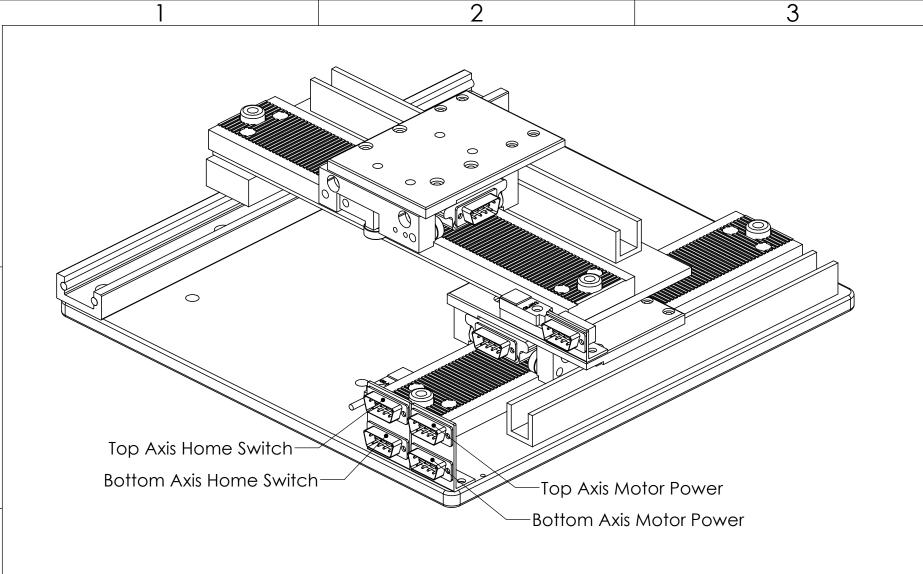
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UNLESS SPECIFIED OTHERWISE:
All dimensions are in inches
Standard Tolerances are as follows
XXXX ±.005 ANGLES ±.1°
.XX ±.010 FILLETS .010
.X ±.020 CORNERS .010
Remove All Burrs and Sharp Edges

FOR REFERENCE ONLY



PIN LAYOUT

X-Axis Motor		Y-Axis Motor		X & Y Axis Home Switch		
Pin	Function	Pin	Function	Pin	Function	
1	Phase A+	1	Motor Ground	1	5VDC	
2	Not Connected	2	Not Connected	2	Not Connected	
3	Phase B+	3	Phase B+	3	Home Switch Output	
4	Not Connected	4	Not Connected	4	Not Connected	
5	Motor Ground	5	Phase A+	5	Ground	
6	Not Connected	6	Phase B-	6	Not Connected	
7	Phase A-	7	Not Connected	7	Not Connected	
8	Not Connected	8	Phase A-	8	Not Connected	
9	Phase B-	9	Not Connected	9	Not Connected	

LINEAR STEPPER STAGE SPECIFICATIONS (Top Axis)								
Motor P/N	STS-0620-R							
Continuous Force	6.0 lbs	26.7 N						
Stroke	7.0 in	178 mm						
Encoder Resolution	NONE							
Rated Current	2.0 Amp							
Resistance/Phase @ 20C	2.40 ohms							
Inductance/Phase @ 20C	3.0 mH							
Motor Phases	2							
Bearing Type	Roller Bearing							
Nominal Airgap	0.0015"							
Moving Mass	0.85 lbs	385 g						
Totas Mass	4.4 lbs	2000 g						

LINEAR STEPPER STAGE SPECIFICATIONS (Bottom Axis							
Motor P/N	STS-0620-R						
Continuous Force	6.0 lbs	26.7 N					
Stroke	7.0 in	178 mm					
Encoder Resolution	NONE						
Rated Current	2.0 Amp						
Resistance/Phase @ 20C	2.40 ohms						
Inductance/Phase @ 20C	3.0 mH						
Motor Phases	2						
Bearing Type	Roller Bearing						
Nominal Airgap	0.0015"						
Moving Mass	0.85 lbs	385 g					
Totas Mass	9.5 lbs	4309 g					

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FOR REFERENCE ONLY | MATERIAL | TITLE | Linear Stepper Stage Model #: | LSS-007-07-060-XY | DWG # 10-0612 | REV | ---- | DATE | 3-15-15 | 3 of 3