

1

2

3

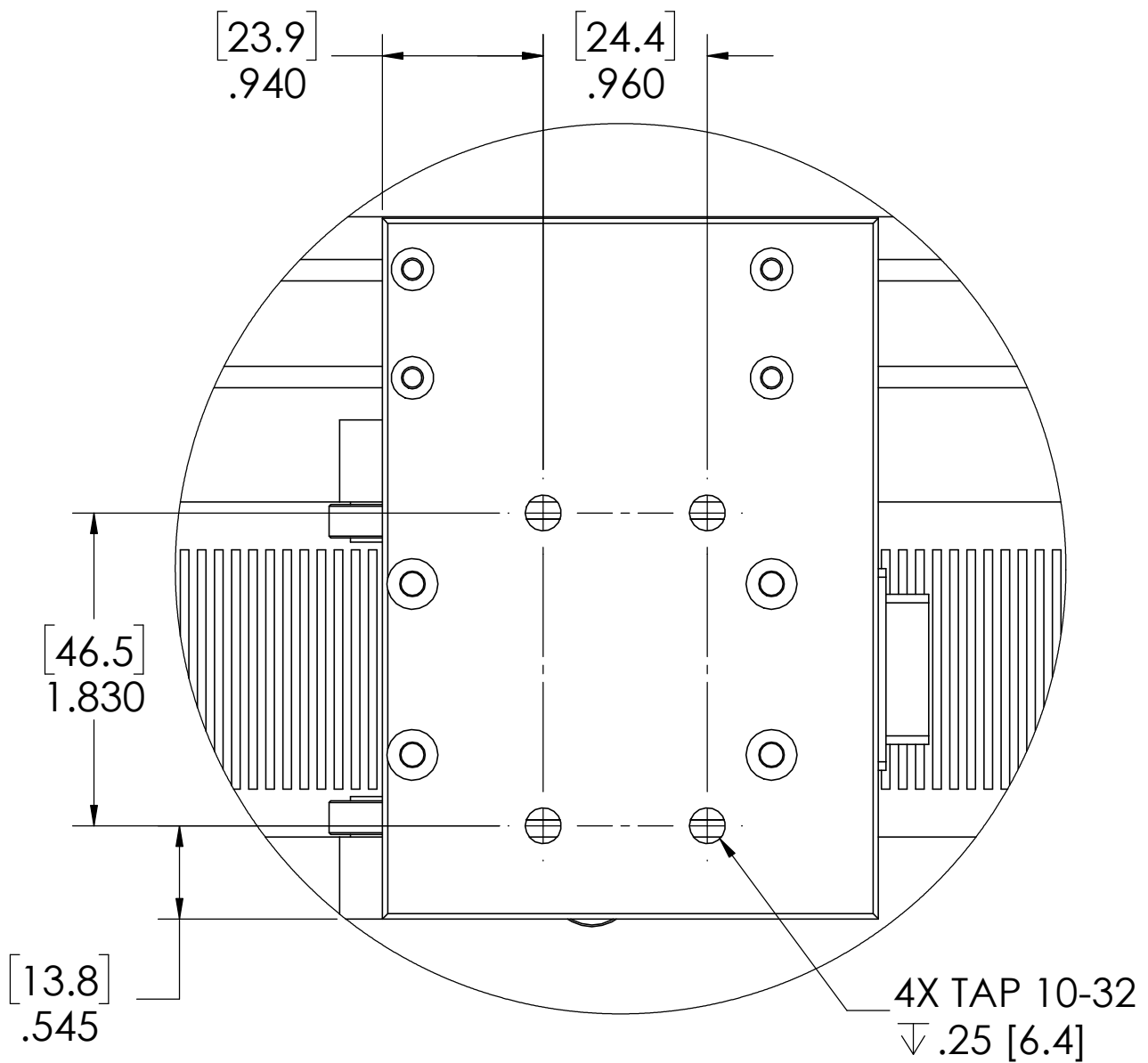
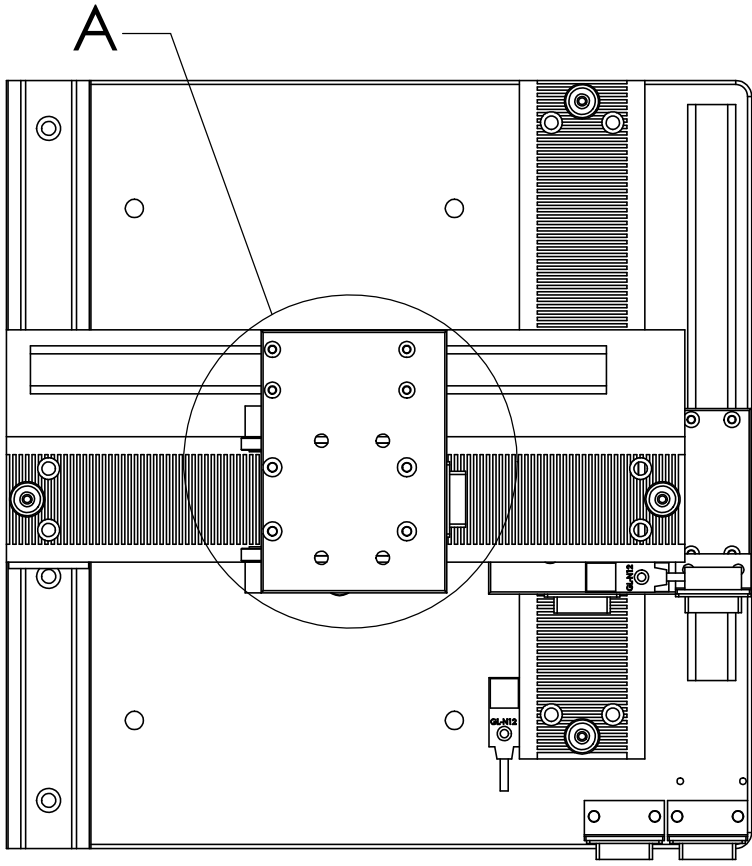
4

5

PAYLOAD MOUNTING FEATURES

A

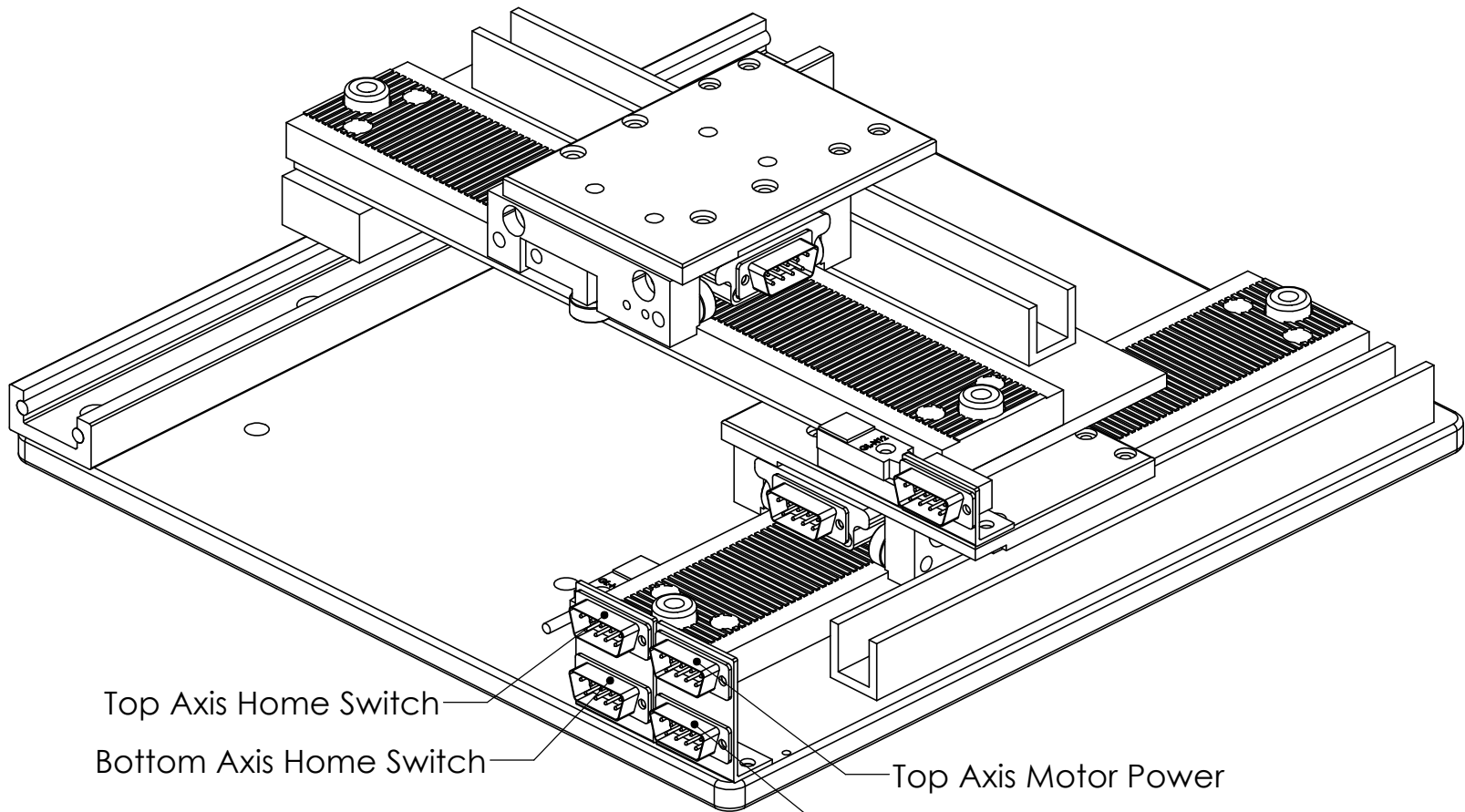
A



DETAIL A  
SCALE 1 : 1

D

D



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