

1

2

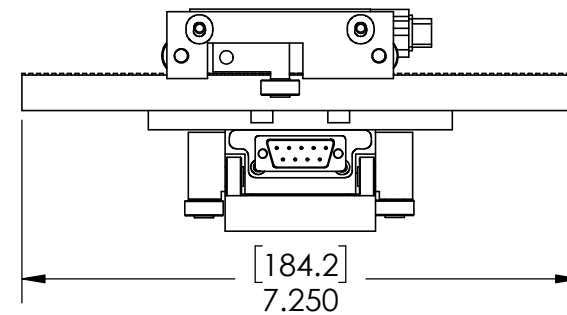
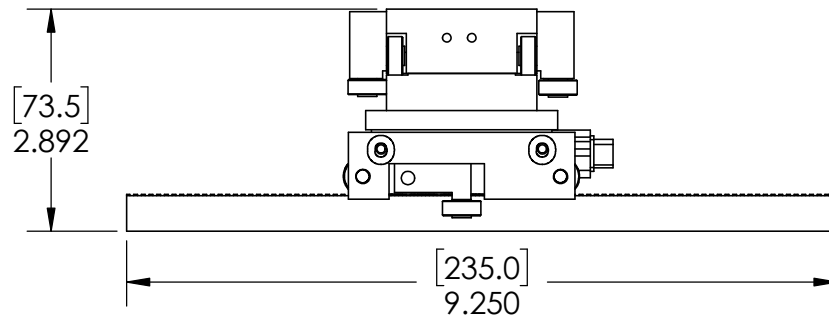
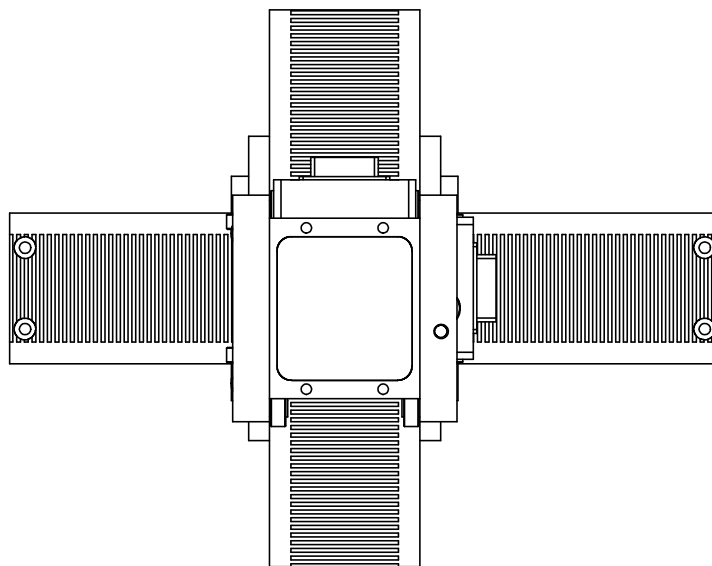
3

4

5

## REVISION TABLE

REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	3-17-06

**H2W Technologies, Inc.**Santa Clarita, CA 91350 USA  
Tel: (661) 291-1620[www.h2wtech.com](http://www.h2wtech.com)

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

**FOR  
REFERENCE  
ONLY**

MATERIAL

FINISH

TITLE

Linear Stepper Stage Model #:  
**LSS-007/005-07-06-XY**

DWG #

**10-0314**

REV

----

DATE

3-17-06

SHEET

1 of 3

1

2

3

4

5

# MOUNTING FEATURES

A

A

B

B

C

C

D

D

4X C'BORE FOR  
#6 SHCS

[53.3]  
2.100

4X TAP 6-32  
↓ .25 [6.4]

[11.4]  
.450  
TYP.

[26.9]  
1.060

[5.1]  
.200 TYP.

[25.4]  
1.000



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DWG #

**10-0314**

REV

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3-17-06

SHEET

2 of 3

1

2

3

4

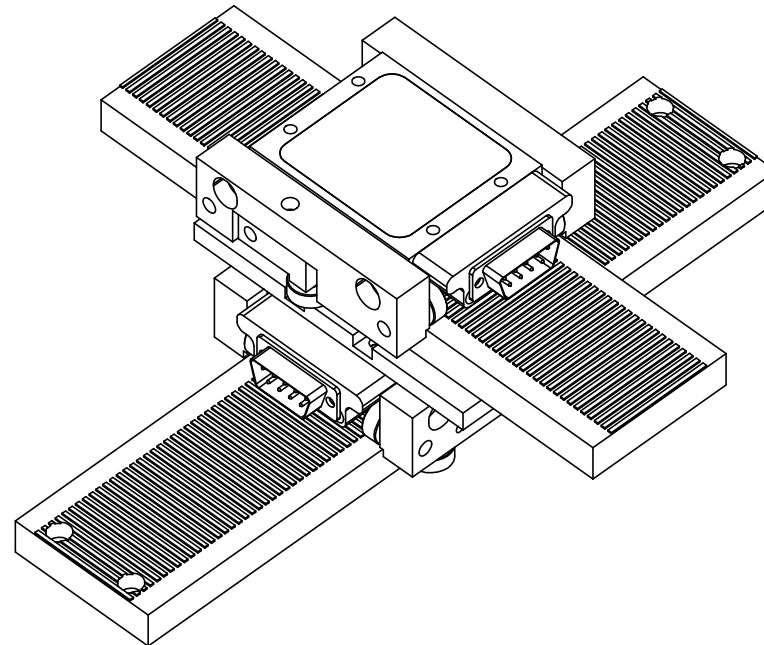
5

**LINEAR STEPPER STAGE SPECIFICATIONS (Top Axis)**

Motor P/N	STS-0620-R	
Continuous Force	6.0 lbs	26.7 N
Stroke	5.0 in	127 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	0.51 lbs	230 g
Totas Mass	2.26 lbs	1023 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	0.51 lbs	230 g
Totas Mass	3.0 lbs	1357g



NOTE:

1. TOTAL STAGE MASS = 5.25 lbs (2375 g)

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TITLE

Linear Stepper Stage Model #:

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3 of 3