

1

2

3

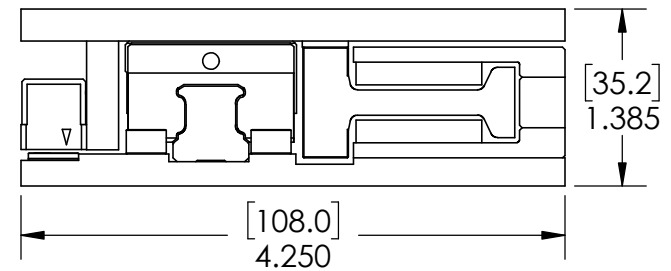
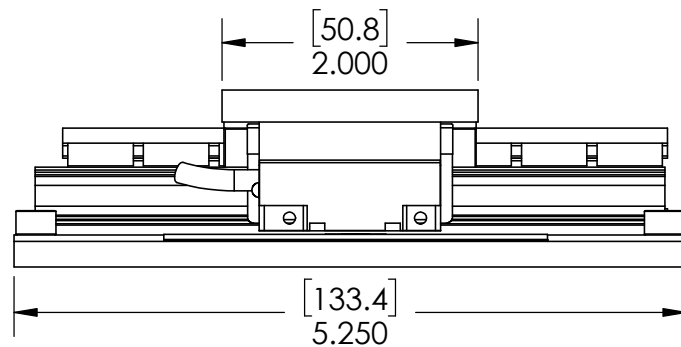
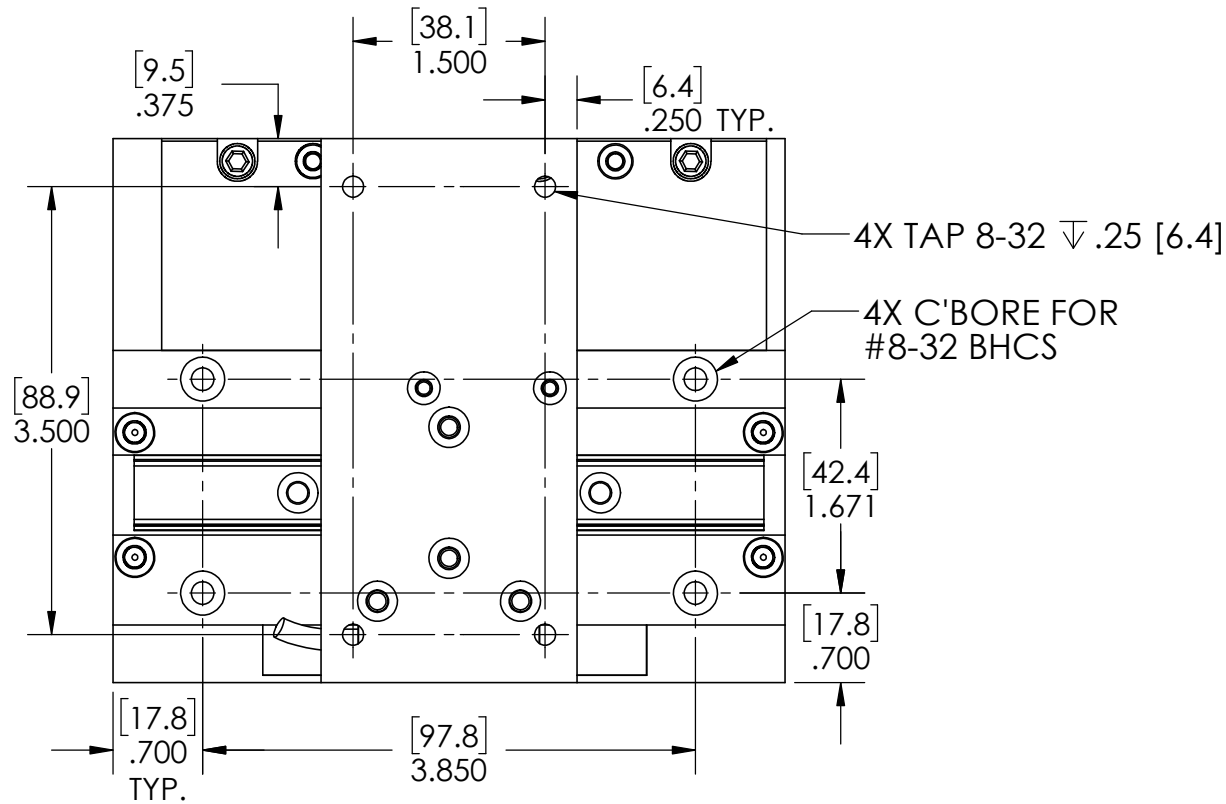
4

5

## STAGE SHOWN AT MIDSTROKE

## REVISION TABLE

REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	4-1-14



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

These drawings and specifications are the property of H2W Technologies, Inc. They are issued in confidence and shall not be reproduced, copied, or used without written permission from H2W Technologies, Inc.

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

**FOR  
REFERENCE  
ONLY**

MATERIAL

FINISH

TITLE

Single Rail Positioning Stage Model #:  
**SRS-003-04-003-01**

DWG #

40-0296

REV

----

DATE

4-1-14

SHEET

1 of 2

1

2

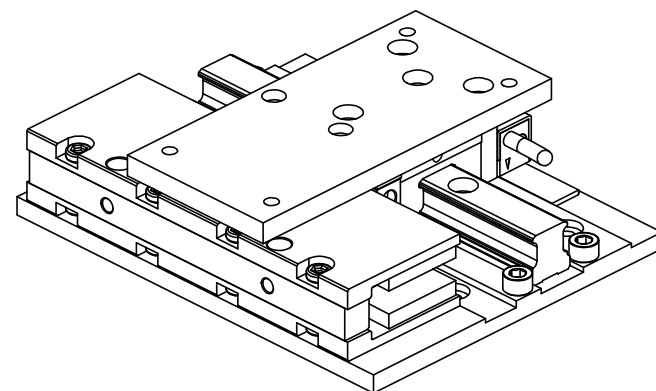
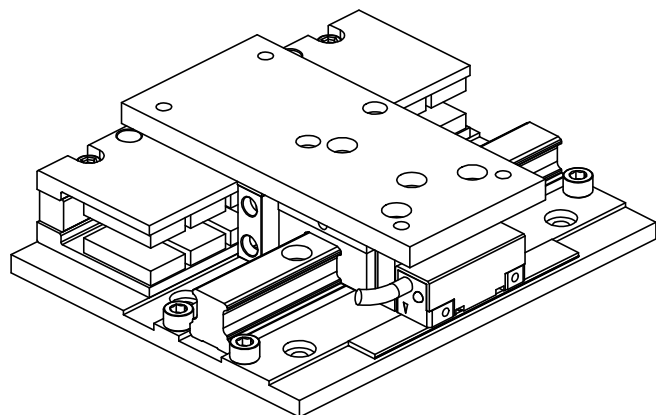
3

4

5

### SINGLE RAIL POSITIONING STAGE SPECIFICATIONS

Motor P/N	BLD-PA1	
Stroke	3.0"	76 mm
Encoder Resolution	1 micron	
Bearing Type	Linear Bearing	
Moving Mass	0.80 lbs	0.36 Kg
Total Mass	3.0 lbs	1.36 Kg
Resistance @ 25C	7.3 ohms	
Inductance @ 25C	1.25 mH	
Electrical Time Constant	0.7 msec	
Motor Constant	0.52 LBS/SQRT(Watt)	2.3 N/SQRT(Watt)
Force Constant	1.42 LBS/A Peak	6.3 N/A Peak
Back EMF	0.20 V/ips	7.3 V/m/sec
Force @ 100% Duty	2.70 LBS	11.9 N
Power @ 100% Duty	26.4 Watts	
Current @ 100% Duty	1.9 Amps	
Force @ 10% Duty	10.7 LBS	47.7 N
Power @ 10% Duty	421.6 Watts	
Current @ 10% Duty	7.6 Amps	



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

These drawings and specifications are the property of H2W Technologies, Inc. They are issued in confidence and shall not be reproduced, copied, or used without written permission from H2W Technologies, Inc.

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  
 Single Rail Positioning Stage Model #:  
**SRS-003-04-003-01**

DWG # **40-0296**

REV -----

DATE 4-1-14 SHEET 2 of 2