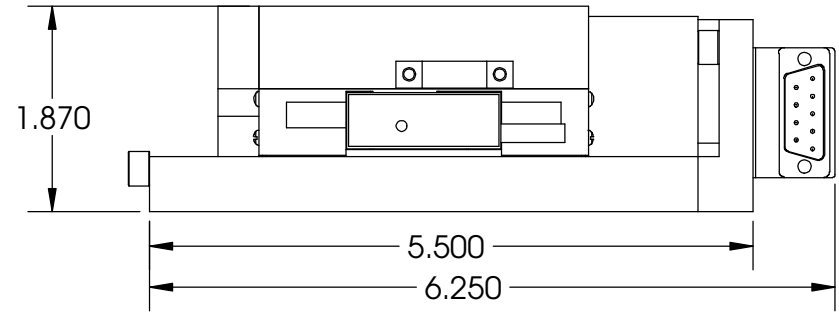
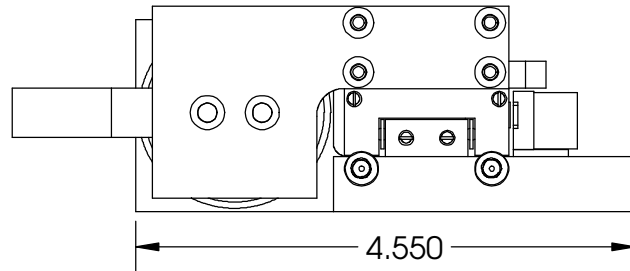
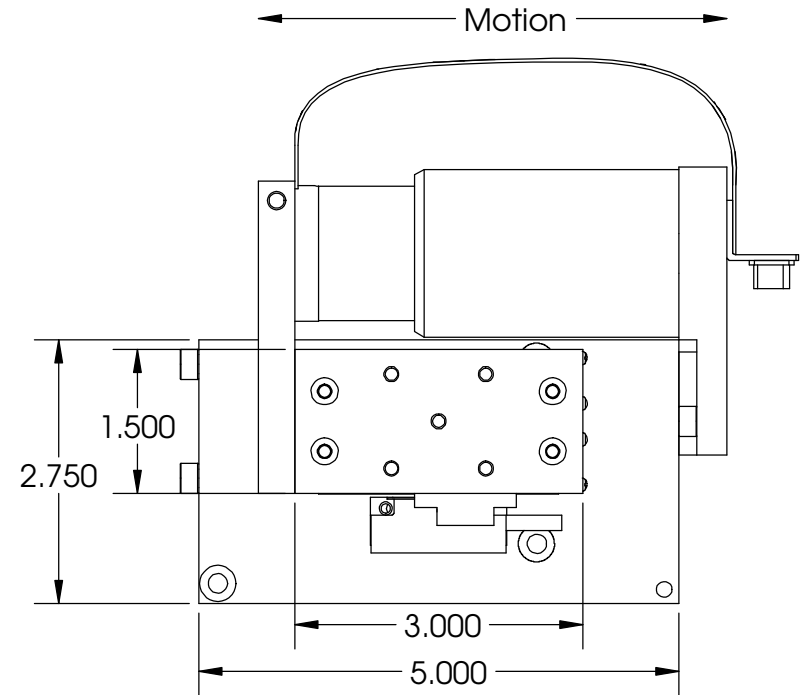


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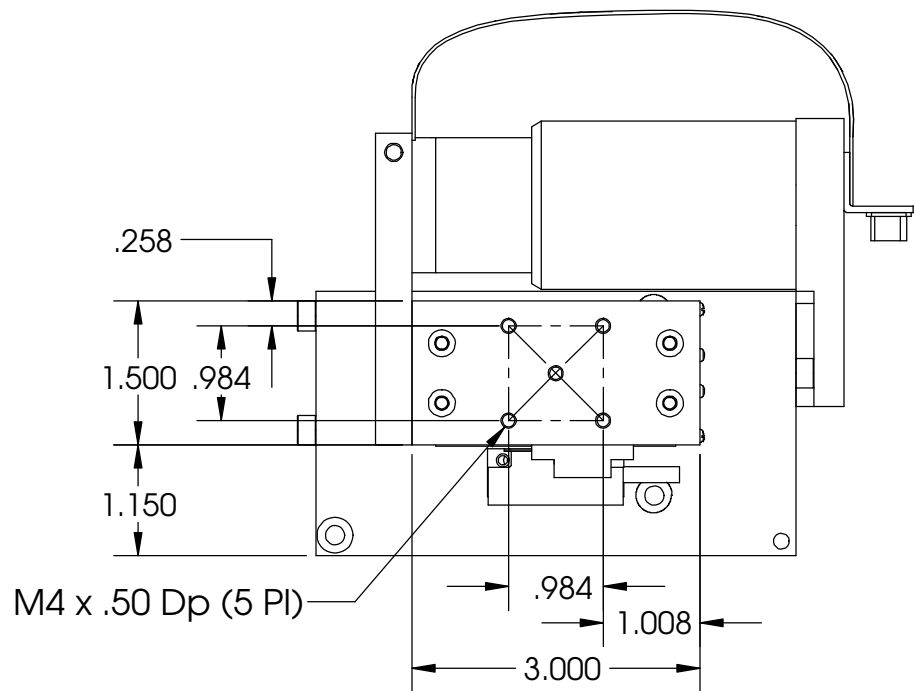


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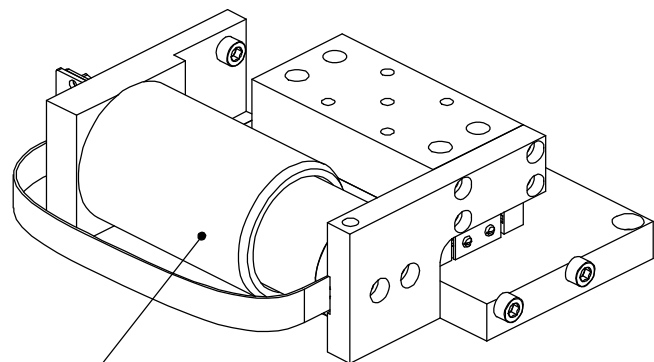
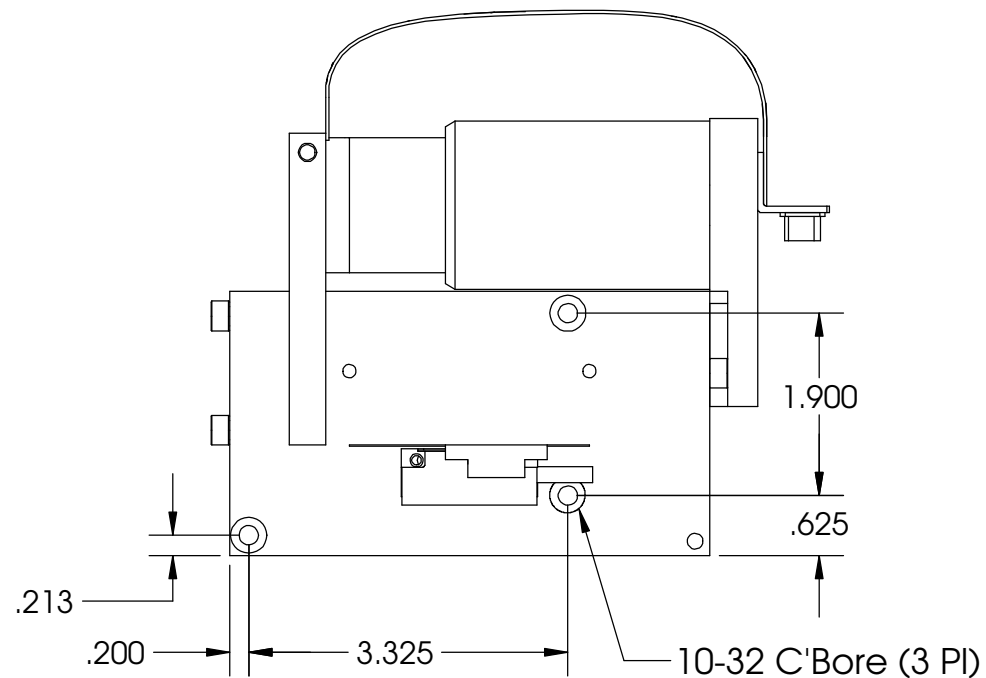
26470 Ruether Ave #102 Santa Clarita, CA 91350 USA
Tel: (661) 251-2081 Fax: (661) 251-2067
www.h2wtech.com

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				MATERIAL		TITLE			
				FINISH		VCS20-020-CR-001-CS			
DRAWN	DATE	APPROVED	DATE	DWG #	REV	SHEET			
OOG	10-3-11	MPW	10-3-11	31-0286	---	1 of 1			

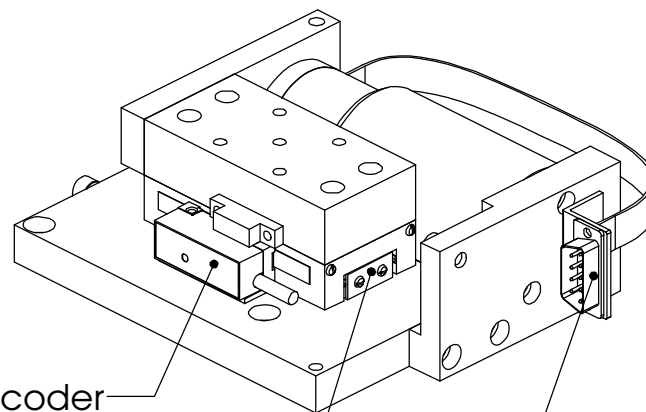
PAYLOAD MOUNTING HOLES



BEARING HAS BEEN HIDDEN TO SHOW MOUNTING HOLES



Voice Coil Motor
(Moving Coil Assembly)



Linear Encoder
Crossed Roller Bearing
9-Pin Motor Power Connector

TITLE		
VCS20-020-CR-001-CS		
DWG #	REV	SHEET
31-0286	---	2 of 3

VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCC20-18-020-1X	
Stroke	2.00"	50.8 mm
Encoder Resolution	0.1 micron	
Bearing Type	Crossed Roller	
Moving Mass	0.75 lbs	341 grams
Total Mass	3.0 lbs	1362 grams
Resistance @ 20C	3.50 ohms	
Inductance @ 20C	3.70 mH	
Electrical Time Constant	1.05 msec	
Motor Constant	0.75 LBS/SQRT(Watt)	3.34 N/SQRT(Watt)
Force Constant	1.4 LBS/Amp	6.1 N/Amp
Back EMF	0.2 V/ips	6.1 V/m/sec
Continuous Force	2.0 LBS	8.9 N
Max Power @ 100% Duty	7 Watts	
Peak Force	6.0 LBS	26.7 N
Max Power @ 10% Duty	64 Watts	