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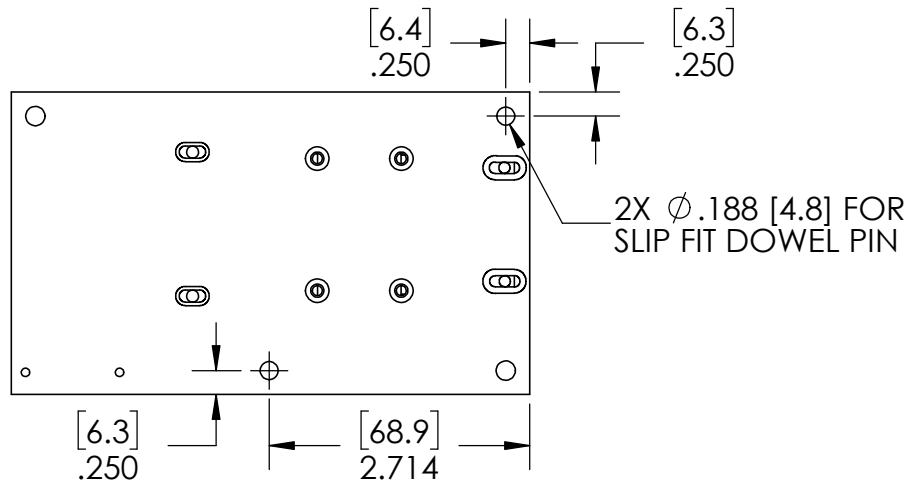
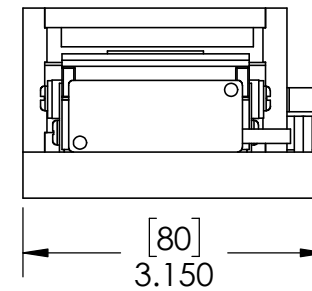
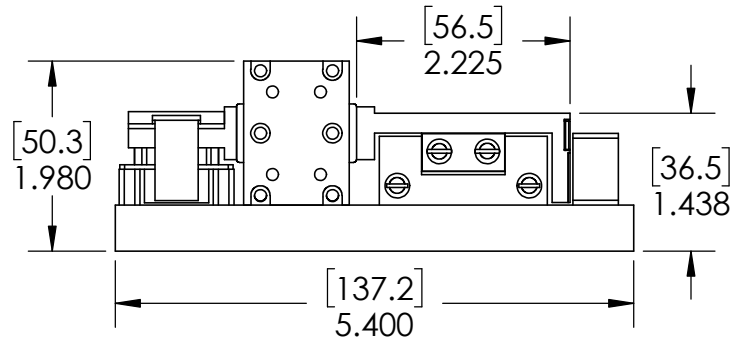
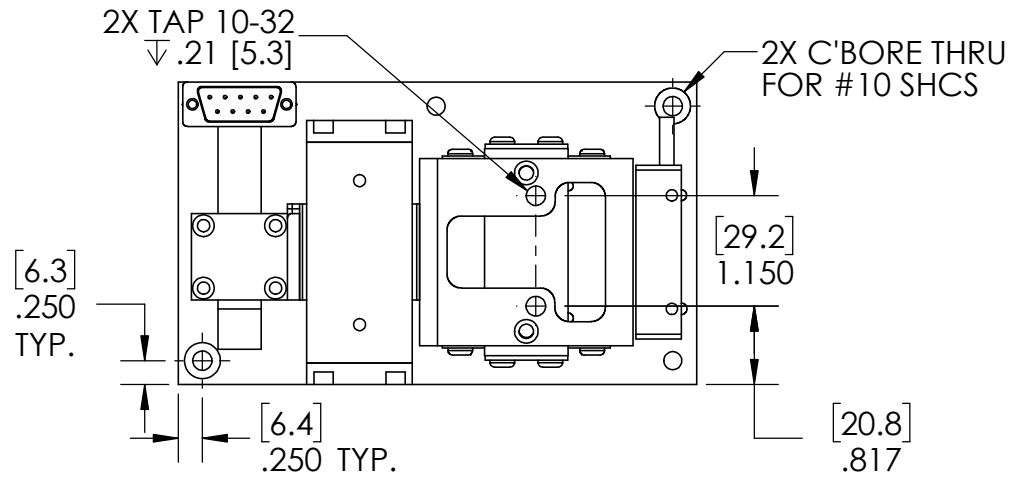
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REVISION TABLE

REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
C	---	---	OOG	MPW	3-14-03



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

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

**FOR
 REFERENCE
 ONLY**

MATERIAL

FINISH

TITLE

Voice Coil Stage Model #:
VCS10-027-CR-001

DWG # **30-0180**

REV **C**

DATE 3-14-03 SHEET 1 of 2

MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCC10-15-027-1RC	
Stroke	1.00"	25.4 mm
Encoder Resolution	0.1 micron	
Bearing Type	Crossed Roller	
Moving Mass	0.30 lbs	131 grams
Total Mass	1.37 lbs	620 grams
Resistance @ 20C	5.6 ohms	
Inductance @ 20C	5.9 mH	
Electrical Time Constant	1.05 msec	
Motor Constant	0.85 LBS/SQRT(Watt)	3.76 N/SQRT(Watt)
Force Constant	2.0 LBS/Amp	8.88 N/Amp
Back EMF	0.23 V/ips	8.88 V/m/sec
Continuous Force	2.7 LBS	12.0 N
Max Power @ 100% Duty	10 Watts	
Peak Force	7.0 LBS	31.2 N
Max Power @ 10% Duty	68 Watts	

