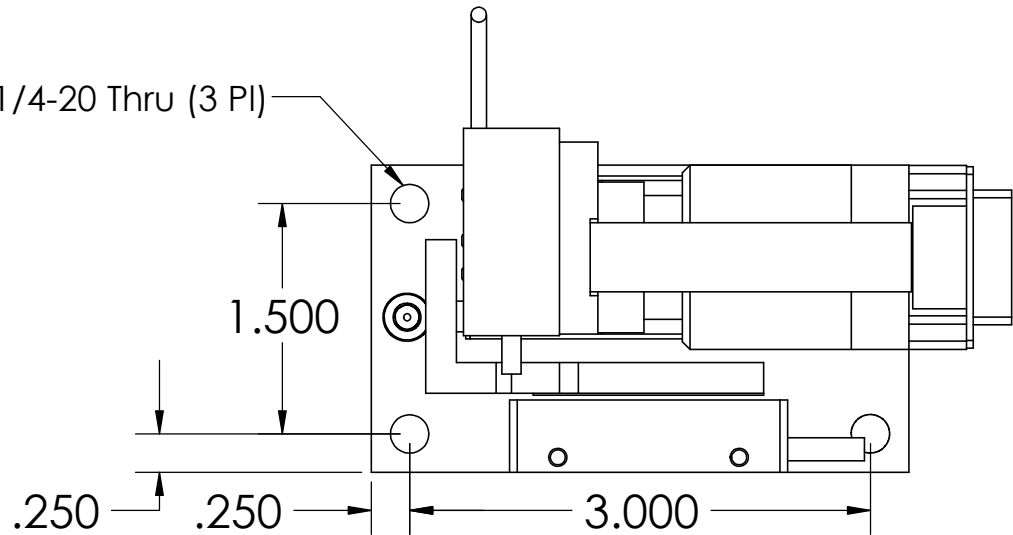
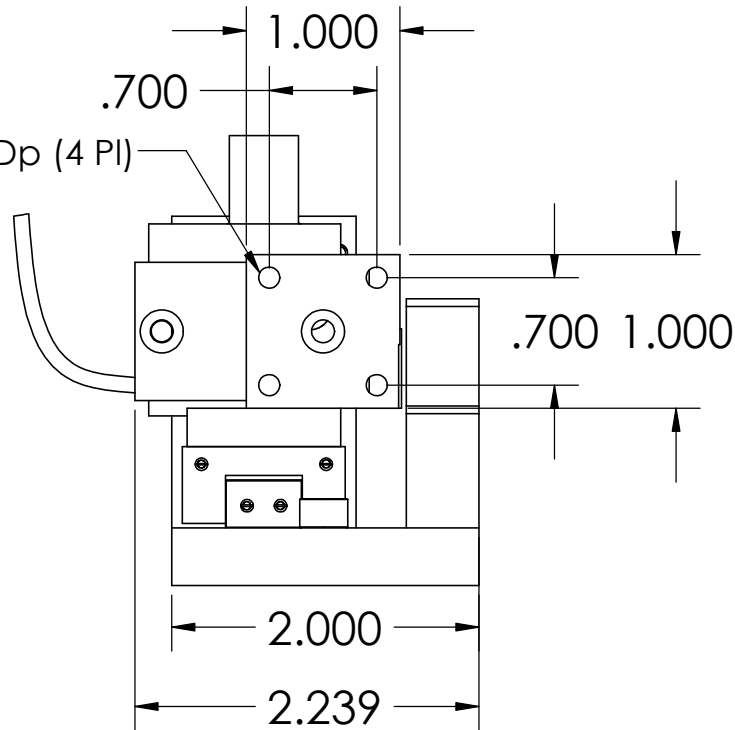


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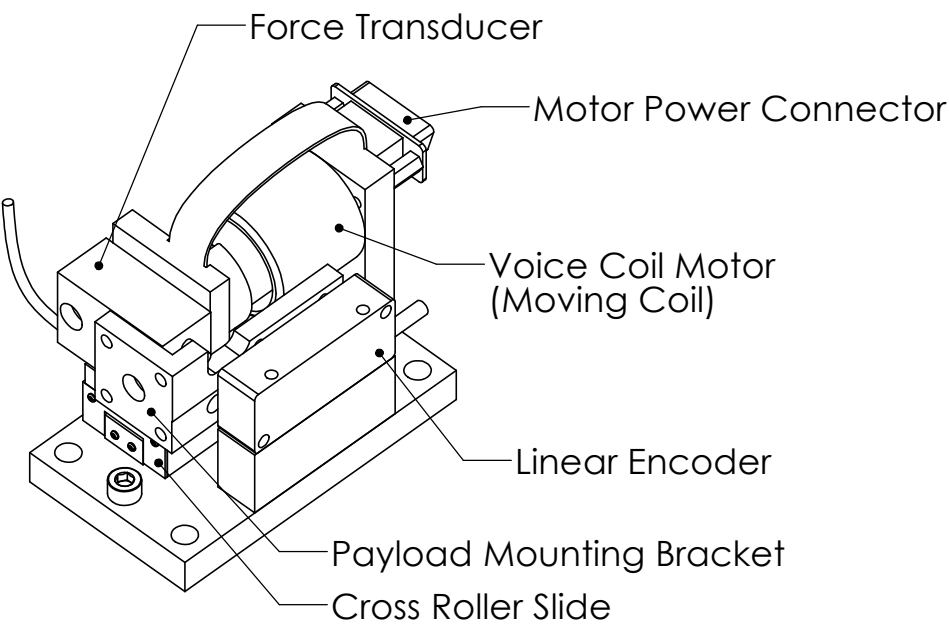
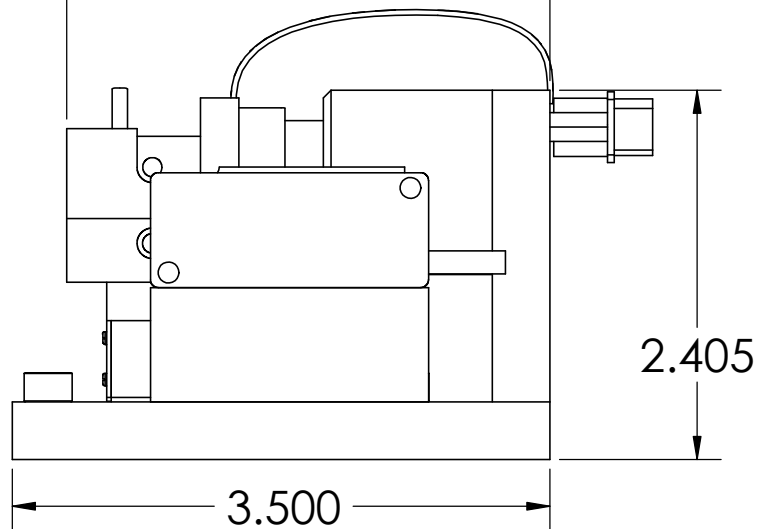
TAP 1/4-20 Thru (3 Pl)



TAP 6-32 x .20 Dp (4 Pl)



Motion
3.145
@ Mid-Stroke



| | | | | | | | | |
|--|--------------|-----------------|-----------------|-----------------|--|----------|-----------------|--|
| UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows .XXX ±.005 ANGLES ±1° .XX ±.010 FILLETS AND .X ±.020 CORNERS .010 Remove All Burrs and Sharp Edges | MATERIAL | | | | TITLE Voice Coil Positioning Stage Model #: VCS05-011-CR-001-F | | | |
| | FINISH | | | | | | | |
| | DRAWN OOG | DATE 6-15-09 | APPROVED MPW | DATE 6-15-09 | DWG # 31-0162 | REV A | SHEET 1 of 1 | |

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| VOICE COIL POSITIONING STAGE SPECIFICATIONS | | |
|---|---------------------|-------------------|
| Motor P/N | NCC05-11-011-1X | |
| Stroke | 0.50" | 12.7 mm |
| Encoder Resolution | 0.1 micron | |
| Force Transducer | 0.1 - 500 grams | |
| Bearing Type | Crossed Roller | |
| Moving Mass | 0.30 lbs | 136 grams |
| Total Mass | 1.04 lbs | 472 grams |
| Resistance @ 20C | 3.0 ohms | |
| Inductance @ 20C | 1.0 mH | |
| Electrical Time Constant | 0.33 msec | |
| Motor Constant | 0.67 LBS/SQRT(Watt) | 2.98 N/SQRT(Watt) |
| Force Constant | 1.2 LBS/Amp | 5.2 N/Amp |
| Back EMF | 0.13 V/ips | 5.2 V/m/sec |
| Continuous Force | 1.1 LBS | 4.9 N |
| Max Power @ 100% Duty | 3 Watts | |
| Peak Force | 3.3 LBS | 14.7 N |
| Max Power @ 10% Duty | 24 Watts | |