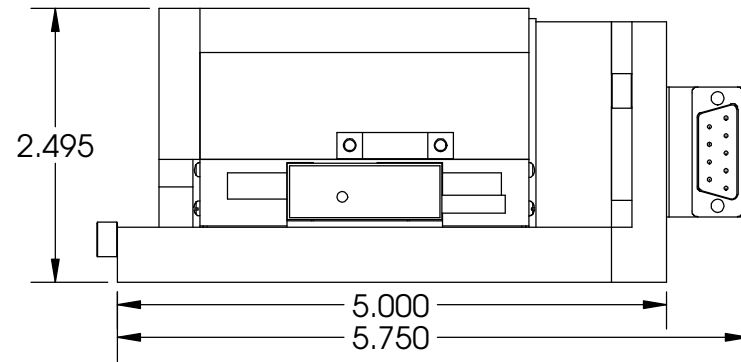
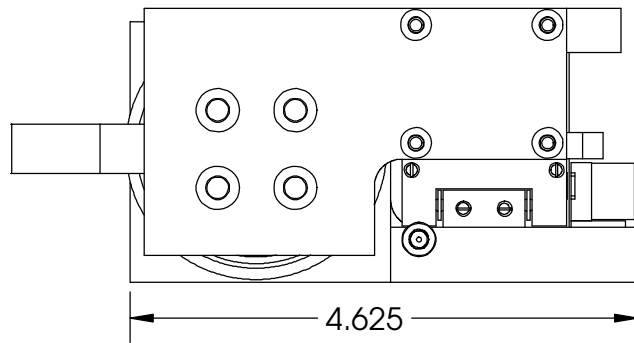
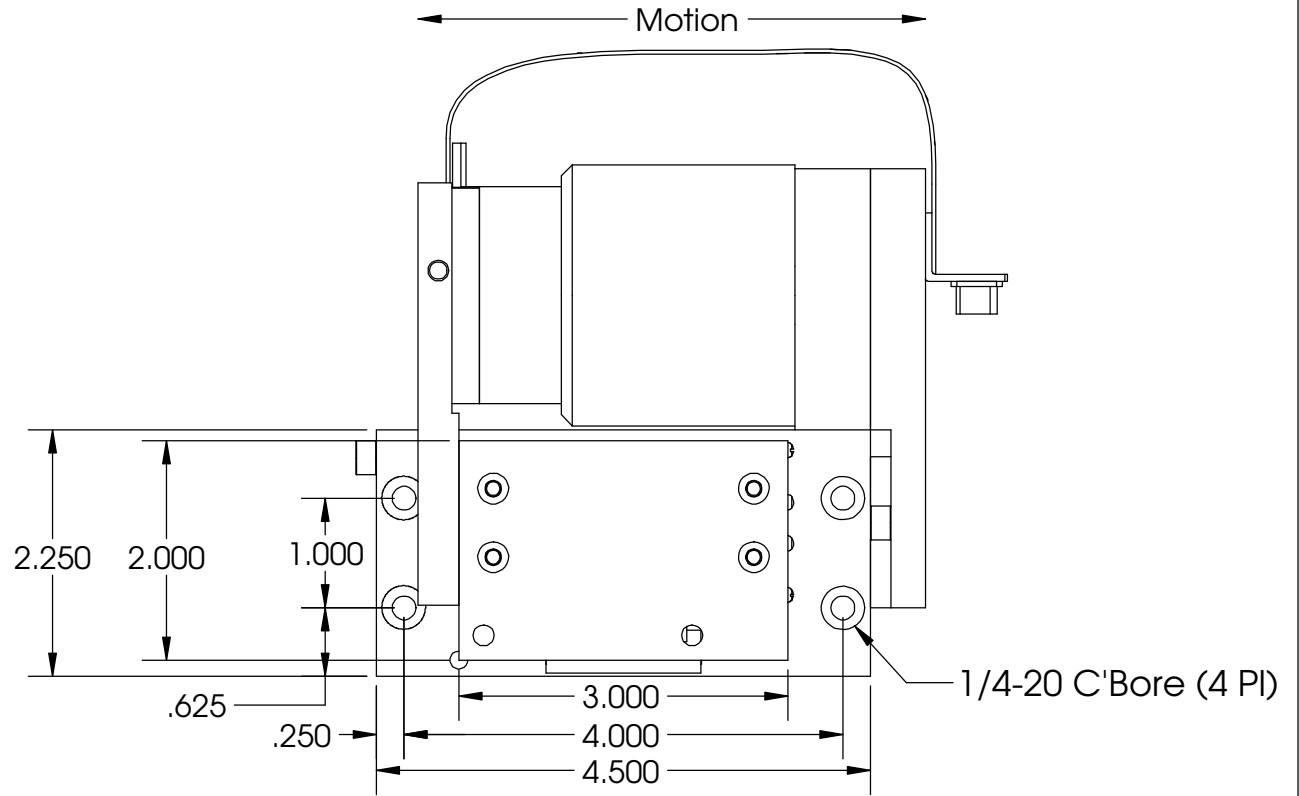


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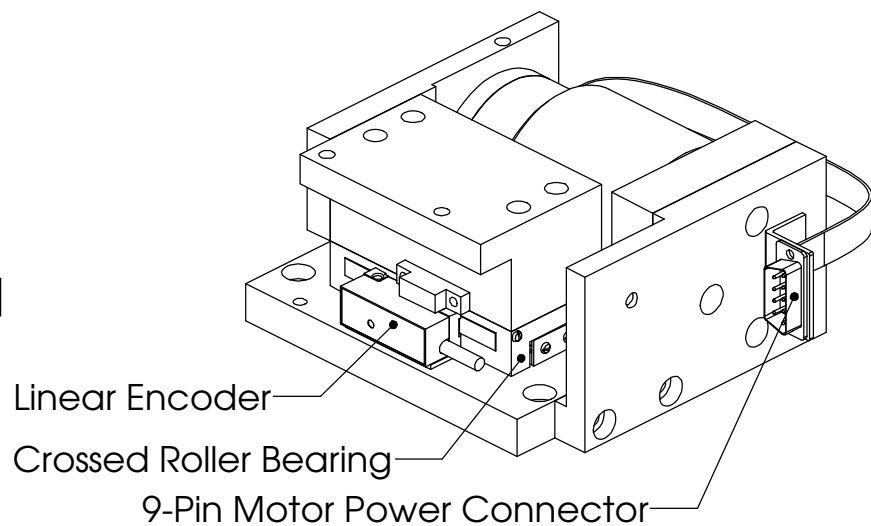
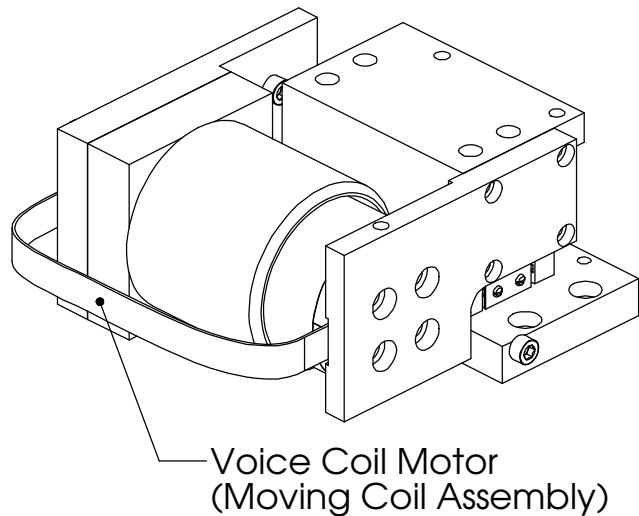
26470 Ruether Ave #102 Santa Clarita, CA 91350 USA
Tel: (661) 251-2081 Fax: (661) 251-2067
www.h2wtech.com

| | | | | |
|----------------|-----|-------------------------------------|--|--|
| TITLE | | Voice Coil Positioning Stage | | |
| | | Model #: VCS15-084-CR-001-CS | | |
| DWG # | REV | SHEET | | |
| 31-0287 | --- | 1 of 1 | | |

| | | | | | | | |
|--|----------|----------|----------|----------|--|------|--|
| 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 | | DATE | |
| | | | | FINISH | | DATE | |
| DRAWN | DATE | APPROVED | DATE | | | | |
| OOG | 10-11-11 | MPW | 10-11-11 | | | | |

VOICE COIL POSITIONING STAGE SPECIFICATIONS (Bottom Axis)

| | | |
|--------------------------|------------------------------|-------------------------------|
| Motor P/N | NCC15-24-050-1R | |
| Stroke | 1.50" | 38.1 mm |
| Encoder Resolution | 0.1 micron | |
| Bearing Type | Crossed Roller | |
| Moving Mass | 1.33 lbs | 604 grams |
| Total Mass | 3.91 lbs | 1775 grams |
| Resistance @ 20C | 1.9 ohms / 7.8 ohms | |
| Inductance @ 20C | 1.4 mH / 5.8 mH | |
| Electrical Time Constant | 0.74 msec | |
| Motor Constant | 1.48 LBS/SQRT(Watt) | 6.59 N/SQRT(Watt) |
| Force Constant | 2.04 LBS/Amp or 4.13 LBS/Amp | 9.08 N/Amp or 18.38 N/Amp |
| Back EMF | 0.23 V/ips or .46 V/ips | 9.08 V/m/sec or 18.38 V/m/sec |
| Continuous Force | 8.4 LBS | 37.4 N |
| Max Power @ 100% Duty | 32 Watts | |
| Peak Force | 25.2 LBS | 112 N |
| Max Power @ 10% Duty | 291 Watts | |



| | | |
|-------|--|----------------------|
| TITLE | Voice Coil Positioning Stage Model #: VCS15-084-CR-001-CS | |
| DWG # | 31-0287 | REV --- SHEET 2 of 2 |