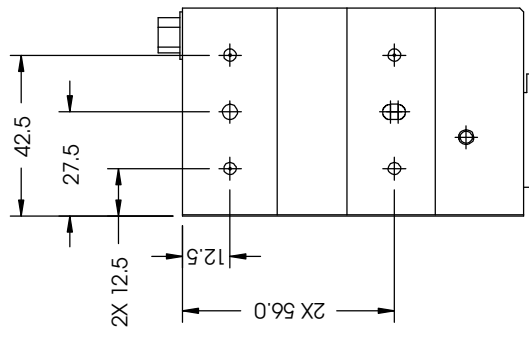
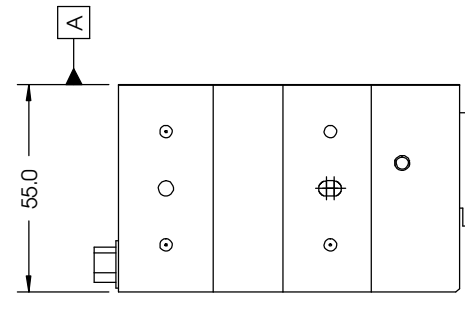
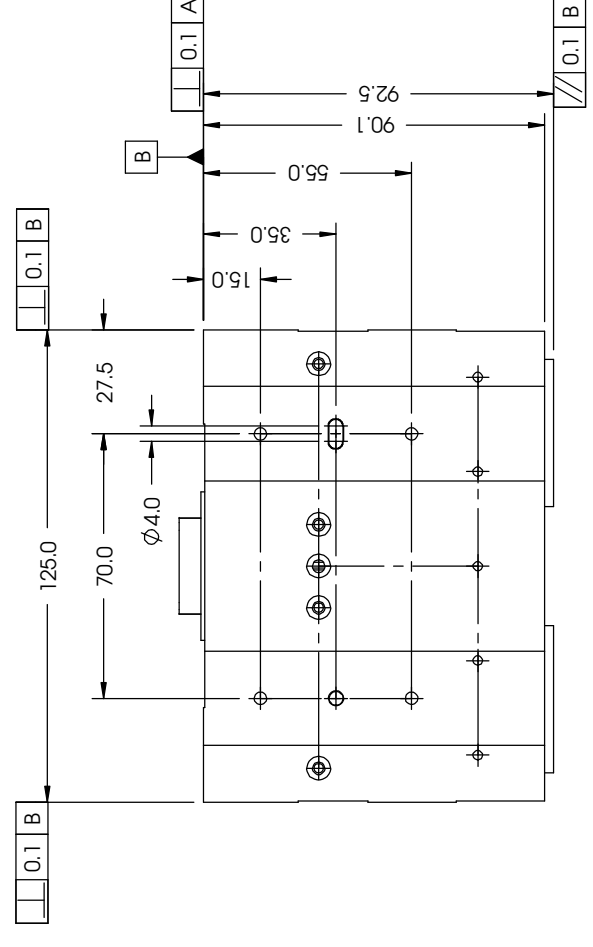
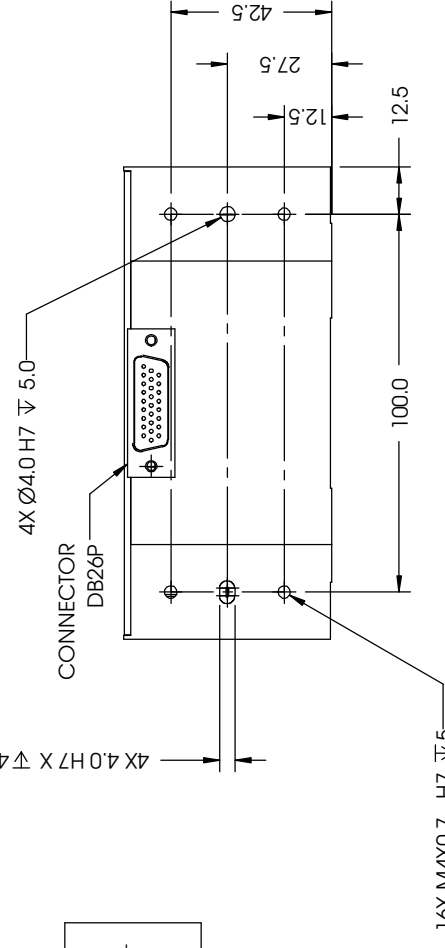


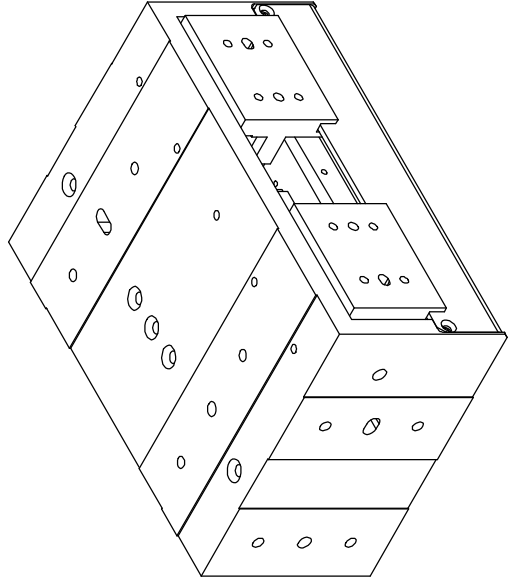
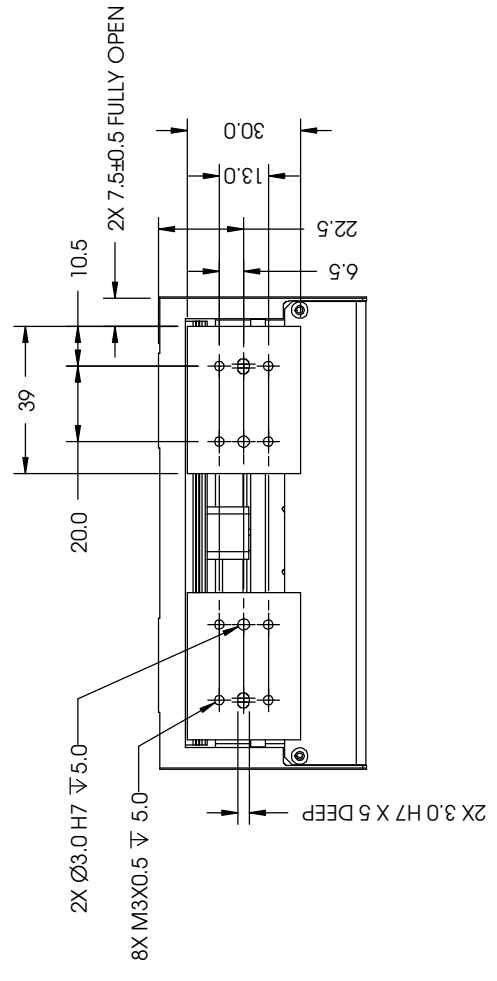
**NOTES: (UNLESS OTHERWISE SPECIFIED)**

- ALL DIMENSIONS APPLY AFTER PLATING.
- ACTUATOR SPECIFICATIONS  
 LINEAR STROKE: 30 mm (15 mm PER FINGER)  
 FORCE CONSTANT: 24 N/A (PER FINGER)  
 PEAK FORCE: 45 N (48VDC @ 1.9 AMP/FINGER)  
 COIL DC RESISTANCE: 25.5 OHMS @ 22 °C  
 COIL INDUCTANCE: TBD mH @ 1KHz  
 LINEAR ENCODER RESOLUTION: 0.5, 1.0, 5.0 MICRON-METER  
 ENCODER ACCURACY: ±4 COUNTS  
 ESTIMATE MOVING MASS: 150 GRAMS/ FINGER  
 ESTIMATE TOTAL MASS: 2.1kg  
 OPERATING TEMPERATURE: 0°C TO +40 °C

SIGNATURE NEEDED FOR ORDER APPROVAL  
 SIGN \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVAL NOT RECEIVED WITHIN  
 48 HOURS MAY AFFECT DELIVERY



PIN NO	DB-26P
1	(AXIS 1) PH. A+
2	(AXIS 1) PH. B+
3	(AXIS 1) PH. Z+
4	NC
5	NC
6	I/O RTN
7	(AXIS 2) PH. B+
8	(AXIS 2) PH. A+
9	(AXIS 2) PH. I+
10	(AXIS 1) PH. A-
11	(AXIS 1) PH. B-
12	(AXIS 1) PH. Z-
13	(AXIS 2) LIMIT -
14	NC
15	(AXIS 1) LIMIT -
16	(AXIS 2) PH. B-
17	(AXIS 2) PH. A-
18	(AXIS 2) PH. I-
19	+5 VDC
20	5V RTN
21	(AXIS 1) COIL +
22	(AXIS 1) COIL +
23	(AXIS 1) COIL -
24	(AXIS 1) COIL -
25	(AXIS 2) MOTOR -
26	(AXIS 2) MOTOR +



REVISIONS				
REV	ECR	DESCRIPTION	DATE	APPROVED
A	2603	INITIAL RELEASE	11/21/02	SMH
B	5688	PART NUMBER CHANGE	01/21/2016	SB
C	6182	UPDATE ACTUATOR SPECS	08/31/2017	BUC

UNLESS OTHERWISE SPECIFIED  
 ALL DIMENSIONS ARE IN MM  
 BREAK EDGES AND REMOVE BURRS  
 TOLERANCES  
 X: ±0.5 XX: ±0.1  
 XXX: ±0.03 ANGLE: ±0.1°  
 CONCURRENCY: ±0.025  
 ROUNDNES: ±0.025  
 EDGE BREAKS 0.2 MAX  
 ALL DIMENSIONS AND TOLERANCES  
 ARE FINAL

MATERIAL: OUTLINE DWG  
 FINISH:  
 MACHINE FINISH: 1.6/  
 INTERPRET PER: ASME Y14.5-2009  
 THIRD ANGLE PROJECTION

NAME: SMH DATE: 11/15/02  
 DWN BY: TMV  
 CHK BY: ENG APP  
 MFG APP: G.A. APP  
 PROPRIETARY AND CONFIDENTIAL

SMAC  
 MOVING COIL ACTUATORS  
 5807 VAN ALLENWAY  
 CARLSBAD CA, 92008  
 (760) 929-7988

TITLE: GRP50-030-7X-1

REF. NUMBER: GRP50-030-7  
 CONTRACT: STD

PART NO: GRP50-030-7X-1  
 SCALE: 1:2 DO NOT SCALE

REV: B  
 SHEET: 1/1

1

2

3

4

B

B

A

A

1

2

3

4