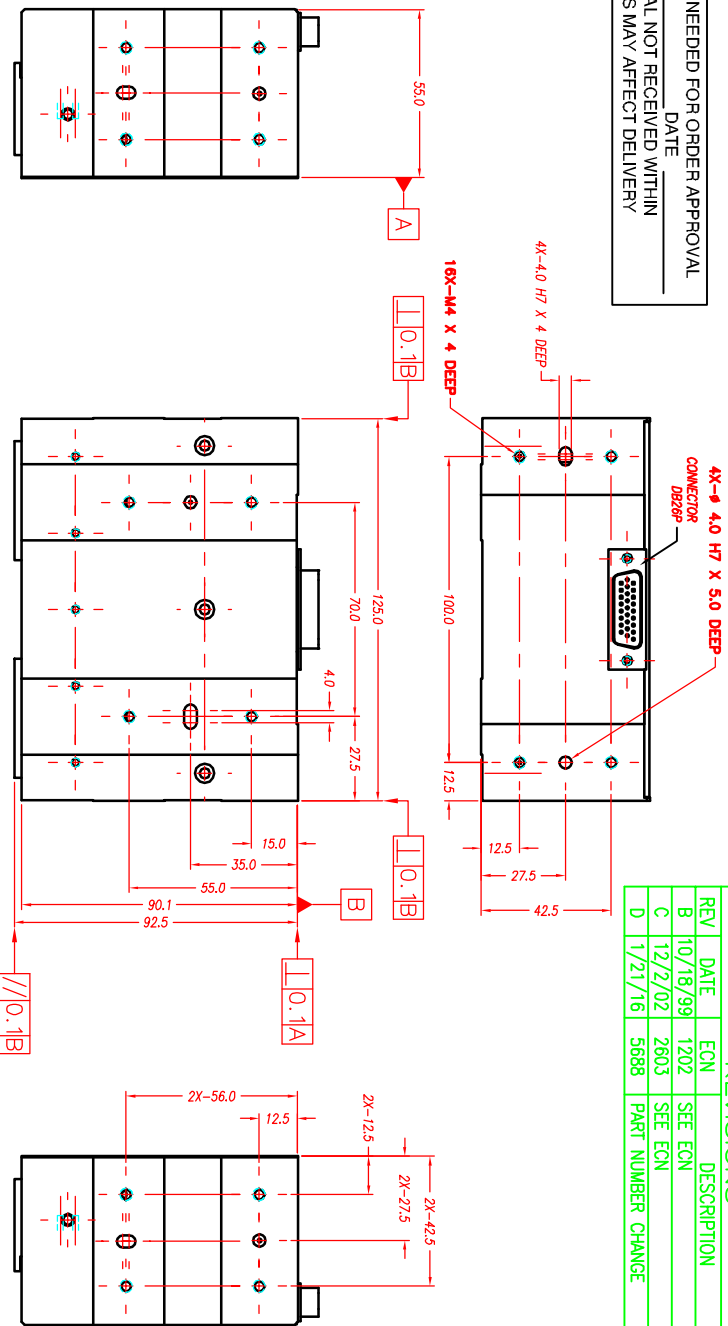


NOTES: (UNLESS OTHERWISE SPECIFIED)

1. ALL DIMENSIONS ARE IN MM OTHERWISE NOTED.
2. ALL DIMENSION APPLY AFTER PLATING.
3. ACTUATOR SPECIFICATIONS:
 LINEAR STROKE: 30 MM (15 MM PER FINGER)
 FORCE CONSTANT: 2.5 KGRAM/AMP (24VDC @1.5 AMP/COIL)
 PEAK FORCE: 3.5 KGRAMS (PER FINGER)
 COIL DC RESISTANCE: 32 OHMS @ 22°C
 COIL INDUCTANCE: TBD mH @ 1KHz
 MAXIMUM POWER DISSIPATE TO COIL: 72 WATTS/ FINGER
 COIL HEAT RISE COEFFICIENT: XXXX/WATT @ 22°C
 LINEAR ENCODER RESOLUTION: 0.5, 1.0, 5.0 MICRON-METER
 ENCODER ACCURACY: ±4 COUNTS
 ESTIMATE MOVING MASS: 150 GRAMS/ FINGER
 ESTIMATE TOTAL MASS: 2.1 KGRAMS
 MAXIMUM ACCELERATION: 30G (W/ 0 GRAMS LOAD)
 OPERATING TEMPERATURE: -10°C TO +75°C

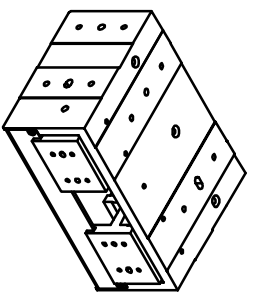
SIGNATURE _____ DATE _____
 APPROVAL NOT RECEIVED WITHIN
 48 HOURS MAY AFFECT DELIVERY

REV	DATE	ECN	DESCRIPTION	APP
B	10/18/99	1202	SEE ECN	HUY
C	12/2/02	2603	SEE ECN	SMH
D	1/21/16	5688	PART NUMBER CHANGE	SB



DB-26P PINOUT

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	+5VDC
20	SV 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 +



TOLERANCES ARE: X ± 0.50 XX ± 0.1 XXX ± 0.05 XXXX ± 0.1 ANGLARITY ± 0.1° CONCENTRIC ± 0.01 ROUNDNESS ± 0.02 MAX EDGE BREAK 0.03 MAX CHAMFER		MATERIAL: OUTLINE DWG HEAT TREAT: RC MACHINE FINISH: DEEP EXCEPT NOTED: 3.2 PROTECTIVE FINISH: ELECTROLESS NICKEL		DESIGNED BY: TOAN VU DATE: 11/15/02 CHECKED BY: _____ DATE: _____ CONTRACT: GRP50-030-5	
FILE NAME: GRP50-30-05		SPEC. NUMBER:		SCALE: NONE PART NUMBER: GRP50-030-5X-1 OUTLINE	
DO NOT SCALE DWG		DWG SIZE: B		PART NUMBER: GRP50-030-5X-1 REVISION: D	

SMAC

REF. NUMBER: GRP50-030-5

DESIGNED BY: TOAN VU
 DATE: 11/15/02

CHECKED BY: _____
 DATE: _____
 CONTRACT: GRP50-030-5

FILE NAME: GRP50-30-05
 SPEC. NUMBER:
 SCALE: NONE
 PART NUMBER: GRP50-030-5X-1
 OUTLINE
 DO NOT SCALE DWG
 DWG SIZE: B
 PART NUMBER: GRP50-030-5X-1
 REVISION: D