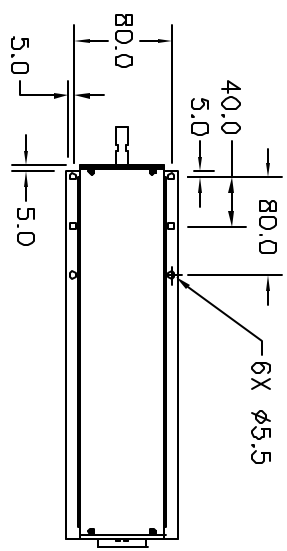
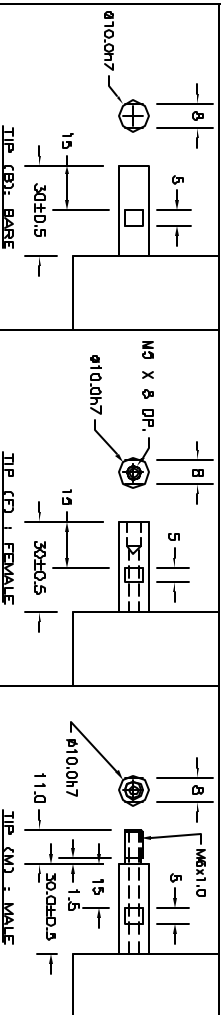


**NOTES: (UNLESS OTHERWISE SPECIFIED)**

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. LINEAR SPECIFICATION:  
 LINEAR STROKE: 50 +/-0 mm  
 FORCE CONSTANT: 41.5 N/AMP  
 PEAK FORCE: 65.5 N @ 1.7 AMPS (48 VDC)  
 CONTINUOUS FORCE : 41.5 N @ 1 AMP (48 VDC)  
 COIL DC RESISTANCE: 28.5 OHMS @ 22C  
 ENCODER RESOLUTION: 0.5, 1 AND 5 Microns  
 ENCODER ACCURACY: +/-4 Counts
3. THETA SPECIFICATION:  
 ROTATION ANGLE: 360°  
 PEAK TORQUE: TBD Nm (X Amps, XX VDC)  
 CONTINUOUS TORQUE: 1Nm @ 2.3 Amps (48 DCV)  
 MAXIMUM RPM : 80 (WITH 0 LOAD & VACUUM)  
 GEAR RATIO: 72.3:1  
 ROTARY MOTOR TYPE: 48V BRUSH  
 ENCODER RESOLUTION: 2000 CPR  
 ENCODER ACCURACY: +/- 5 COUNTS ( ZERO BACK LASH)
4. MOVING MASS: 930 GRAMS
5. TOTAL MASS: 3387 GRAMS
6. OPERATING TEMPERATURE: -10°C TO +65°C

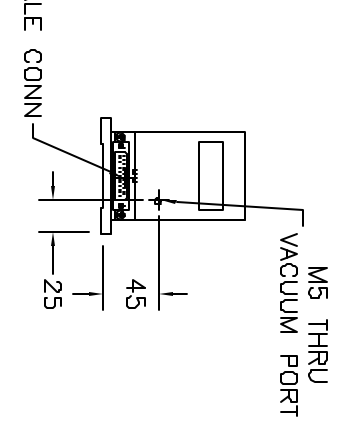
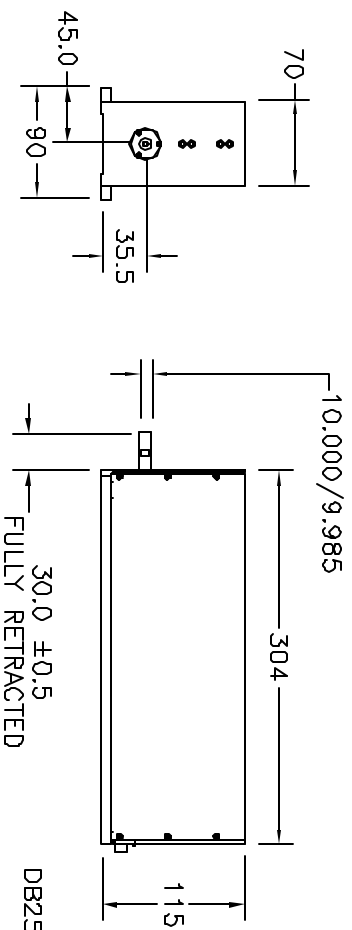
**DB-25P PINOUT**

1	+5VDC
2	+5V RETURN
3	ROTARY MOTOR-
4	LINEAR PHASE A-
5	NC
6	BD
7	COIL +
8	COIL -
9	LINEAR PHASE B-
10	ROTARY MOTOR+
11	LINEAR PHASE A+
12	LINEAR PHASE B+
13	LINEAR PHASE A-
14	LINEAR PHASE B-
15	ROTARY PHASE A+
16	LINEAR PHASE B+
17	ROTARY PHASE B+
18	LINEAR INDEX +
19	COIL -
20	COIL +
21	ROTARY PHASE A-
22	ROTARY COARSE INDEX
23	LINEAR INDEX -
24	ROTARY FINE INDEX
25	ROTARY FINE INDEX



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

REV	DATE	ECN	DESCRIPTION	APP
A	9/24/03	2894	INITIAL RELEASE	BR
B	1/28/04	3041	UPDATE SHAFT END DIM.	SEK
C	3/19/04	3113	ADD FRONT LIMIT	SMH
D	2/16/05	3485	SEE ECN	CMV



**SMAC**

REF. NUMBER  
**LAR95-050**

TOLERANCES ARE:	MATERIAL:	DESIGNED BY:	DATE:	CHECKED BY:	DATE:	COUNTERS:
X ± 0.50		B REDMOUR	5-19-03			STD
XX ± 0.1						
XXX ± 0.05						
XXXX ± 0.1						
ANALURTY ± 0.01						
ROUNDNES ± 0.05						
EDGE BREAK						
CHAMFER						

FINISHES ARE:	MACHINE FINISH	EXPERT MATED.	PROTECTIVE FINISH	PRES. NUMBER	SCALE	DWG SIZE	PART NUMBER	REVISION:
X ± 0.50	NC				4/1	B	LAR95-050-7	D
XX ± 0.1	DEP							
XXX ± 0.05								
XXXX ± 0.1								
ANALURTY ± 0.01								
ROUNDNES ± 0.05								
EDGE BREAK								
CHAMFER								

TITLE NAME:	FRONT LIMIT	STROKE TRAVEL	REAR LIMIT	INDEX
LAR95-050-7_D				