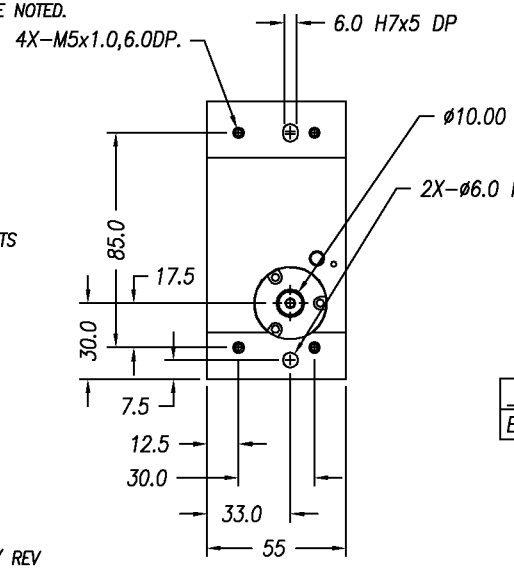
NOTES: (UNLESS OTHERWISE SPECIFIED)

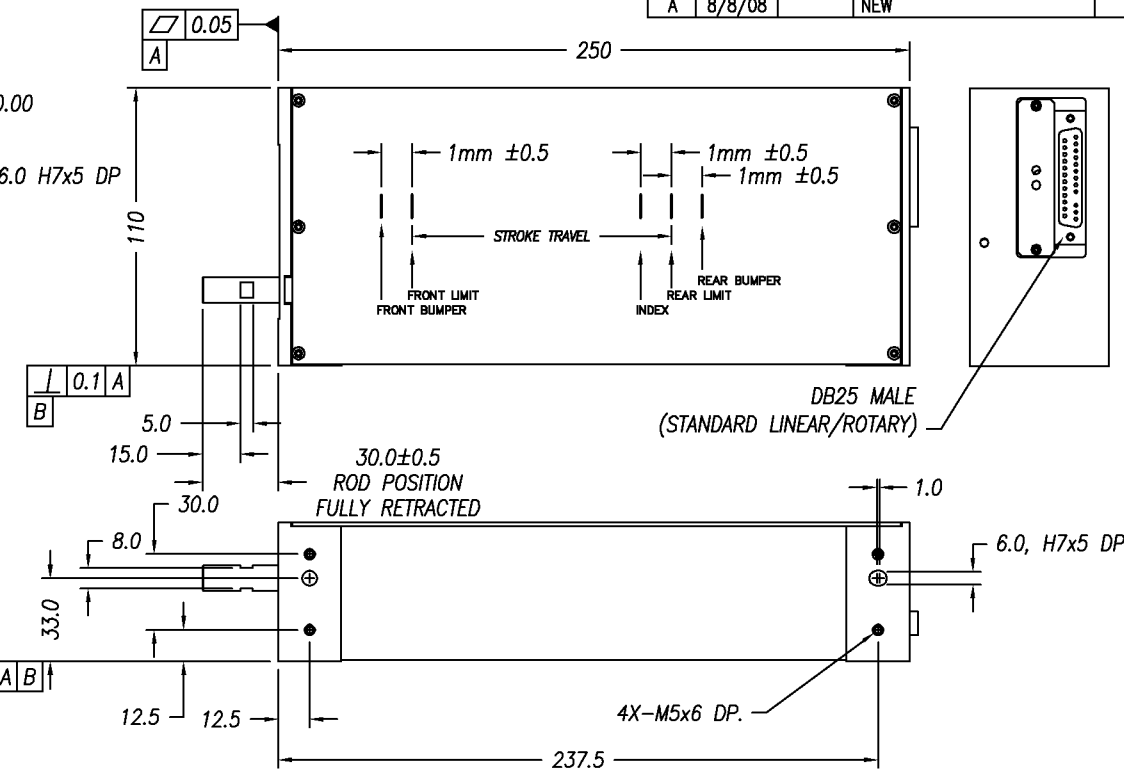
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS APPLY AFTER PLATING.
3. ACTUATOR SPECIFICATIONS:

   LINEAR STROKE: 50.0 MM
   FORCE CONSTANT: 25.4 N/AMP
   PEAK FORCE: 40N @1.8 AMPS (48 VDC)
   COIL DC RESISTANCE: 25 OHMS @ 22°C
   COIL INDUCTANCE: TBD mH @ 1KHz
   MAXIMUM POWER DISSIPATE TO COIL: TBD WATTS
   LINEAR ENCODER RESOLUTION: 5.0 MICRON
   ENCODER ACCURACY: ±20 MICRON
   MOVING MASS: 500 GRAMS
   TOTAL MASS: 3150 GRAMS
   ROTARY ANGLE: 360° FULL CIRCLE
   STALL TORQUE: 1070mNm
   TORQUE CONSTANT: 50mN/A (48 VDC)
   CONTINUOS TORQUE: 97mNm
   COIL DC RESISTANCE: 2.0 OHMS
   GEAR RATIO: NONE (DIRECT DRIVE)
   THETA ENCODER RESOLUTION: 2000 COUNT/ REV
   MAX. OUTPUT SPEED: 5500 RPM (NO LOAD)

4. OPERATING TEMPERATURE: -10°C TO +65°C

REVISIONS				
REV	DATE	ECN	DESCRIPTION	APP
A	8/8/08		NEW	

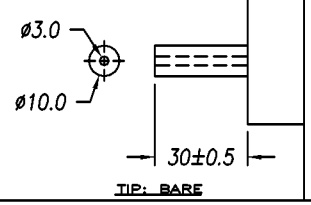




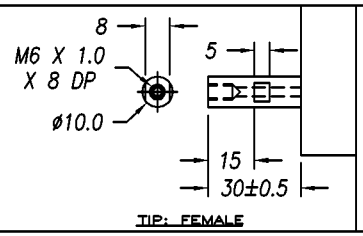
DB-25P PINOUT

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

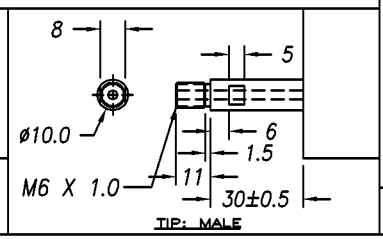
SIGNATURE NEEDED FOR ORDER APPROVAL
SIGN _____ DATE _____
APPROVAL NOT RECEIVED WITHIN
48 HOURS MAY AFFECT DELIVERY



TIP: BARE



TIP: FEMALE



TIP: MALE

TOLERANCES ARE:
X. ± 0.50
X.X ± 0.1
X.XX ± 0.05
X.XXX ±
ANGULARITY ± 0.1°
CONCENTRIC ± 0.01
ROUNDNESS ± 0.05
EDGE BREAK 0.2 MAX
CHAMFER 0.1 MAX

FILE NAME: LAR55-050-7_A

MATERIAL: ALUMINUM 6061-T6
HEAT TREAT: ____/____ RC ____ DEEP
MACHINE FINISH: 1.6 EXCEPT NOTED.
PROTECTIVE FINISH: ELECTROLESS NICKEL
SPEC. NUMBER:

SMAC

REF. NUMBER: LAR55-050-7

DESIGNED BY: TOAN VU	DATE: 02/05/01	CHECKED BY:	DATE:	CONTRACT: STD
DRAWN BY: KARL STOCKS	DATE: 8/8/08	APPROVED BY:	DATE:	

PART NAME: LAR55-050-7
SHEET NUMBER: 1 OF 1

SCALE:	DWG SIZE:	PART NUMBER:	REVISION:
NONE (DO NOT SCALE DWG)	B	LAR55-050-7	A

C:\SMAC-CAD\LA55\LAR55-050-7_A.dwg, 8/13/2008 8:16:41 AM