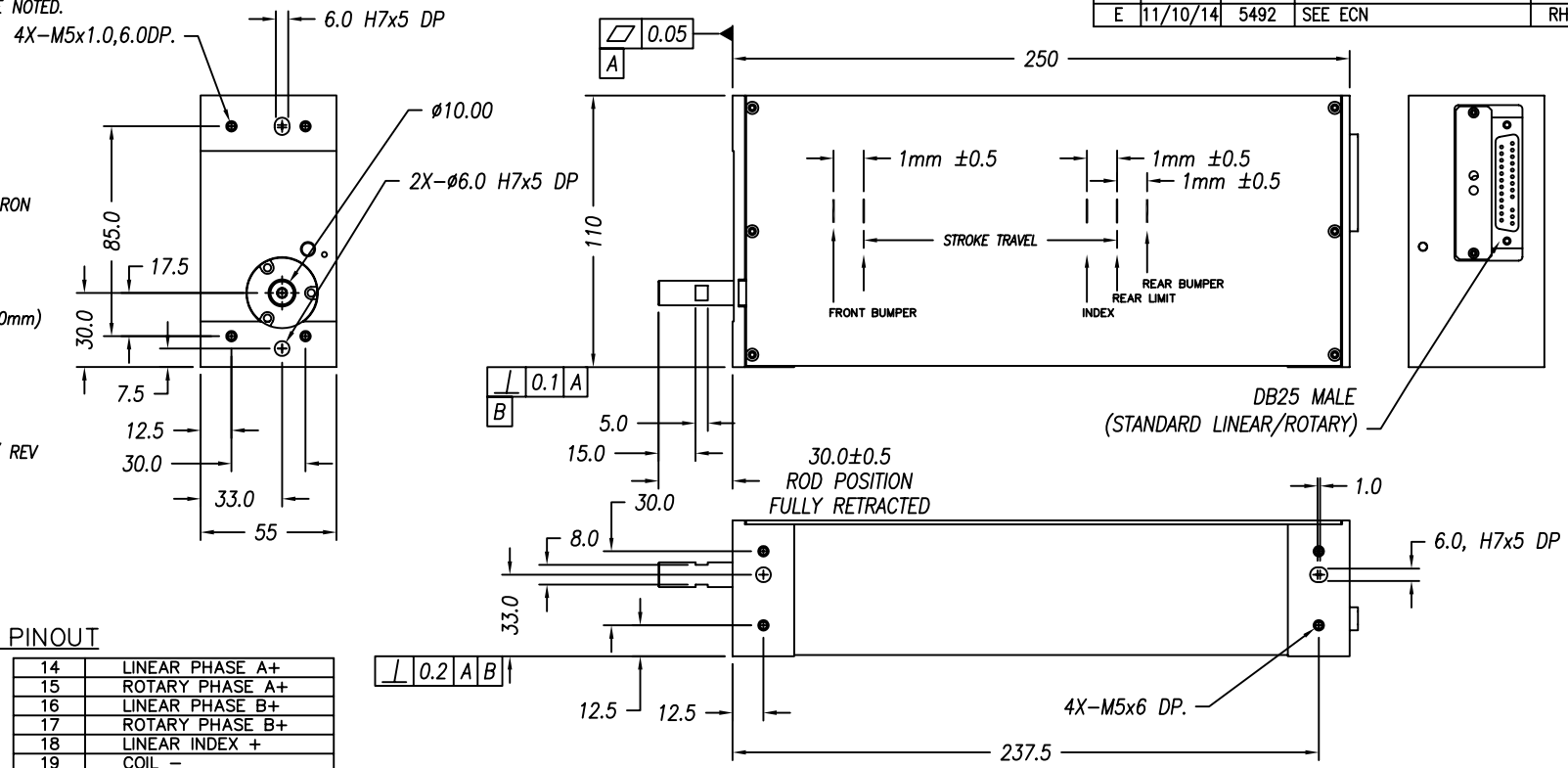
NOTES: (UNLESS OTHERWISE SPECIFIED)

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE NOTED.
3. ACTUATOR SPECIFICATIONS:
   - LINEAR STROKE: 50.0 MM
   - FORCE CONSTANT: 27 N/AMP
   - PEAK FORCE: 40N @1.8 AMPS (48 VDC)
   - COIL DC RESISTANCE: 25 OHMS @ 22°C
   - COIL INDUCTANCE: TBD mH @ 1KHz
   - LINEAR ENCODER RESOLUTION: 5, 1, 0.1 MICRON
   - ENCODER ACCURACY: ±4 COUNTS
   - MOVING MASS: 0.3 KG
   - TOTAL MASS: 2.9 KG
   - ROTARY ANGLE: 360° FULL CIRCLE (PITTMAN 30mm)
   - PEAK TORQUE: .12Nm @ 2.4
   - TORQUE CONSTANT: .054 Nm/A (48 VDC)
   - CONTINUOUS TORQUE: .036 Nm @ 0.79A
   - GEAR RATIO: NONE (DIRECT DIRECT)
   - THETA ENCODER RESOLUTION: 2000 COUNT/ REV
4. OPERATING TEMPERATURE: 0°C TO +65°C

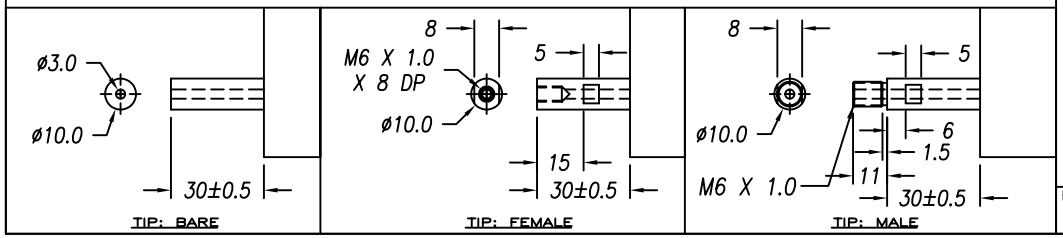
REVISIONS				
REV	DATE	ECN	DESCRIPTION	APP
E	11/10/14	5492	SEE ECN	RH



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



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_E

MATERIAL: ALUMINUM 6061-T6

HEAT TREAT: ____/____ RC ____ DEEP

MACHINE FINISH: 1.6 EXCEPT NOTED.

PROTECTIVE FINISH: ELECTROLESS NICKEL

SPEC. NUMBER:

SMAC

DESIGNED BY: TOAN VU	DATE: 02/05/01	CHECKED BY:	DATE:	CONTRACT: STD
DRAWN BY: KARL STOCKS	DATE: 10/22/13	APPROVED BY:	DATE:	
PART NAME: LAR55-050-7X-1				SHEET NUMBER: 1 OF 1
SCALE: NONE (DO NOT SCALE DWG)	DWG SIZE: B	PART NUMBER: LAR55-050-7X-1		REVISION: E

REF. NUMBER: LAR55-050