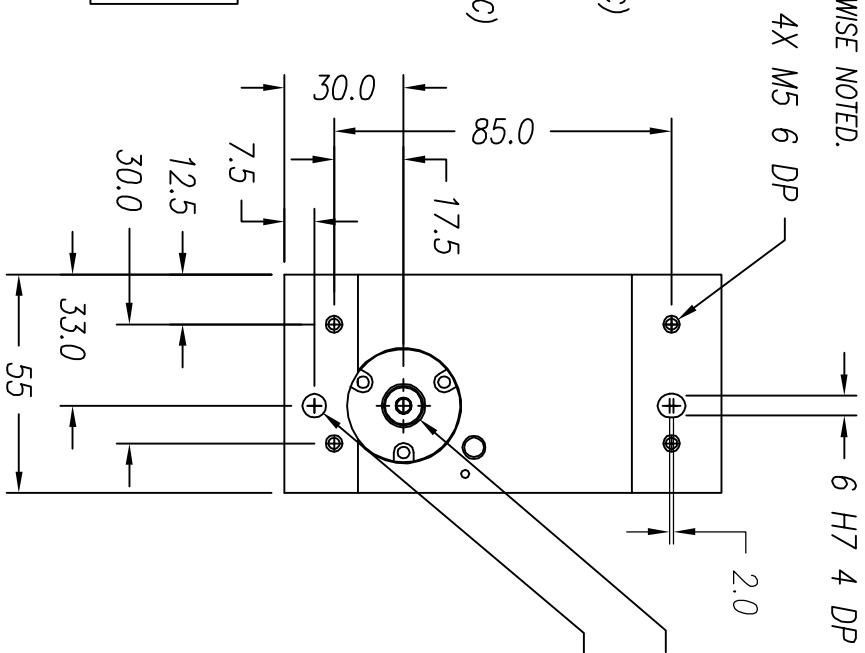


NOTES: (UNLESS OTHERWISE SPECIFIED)

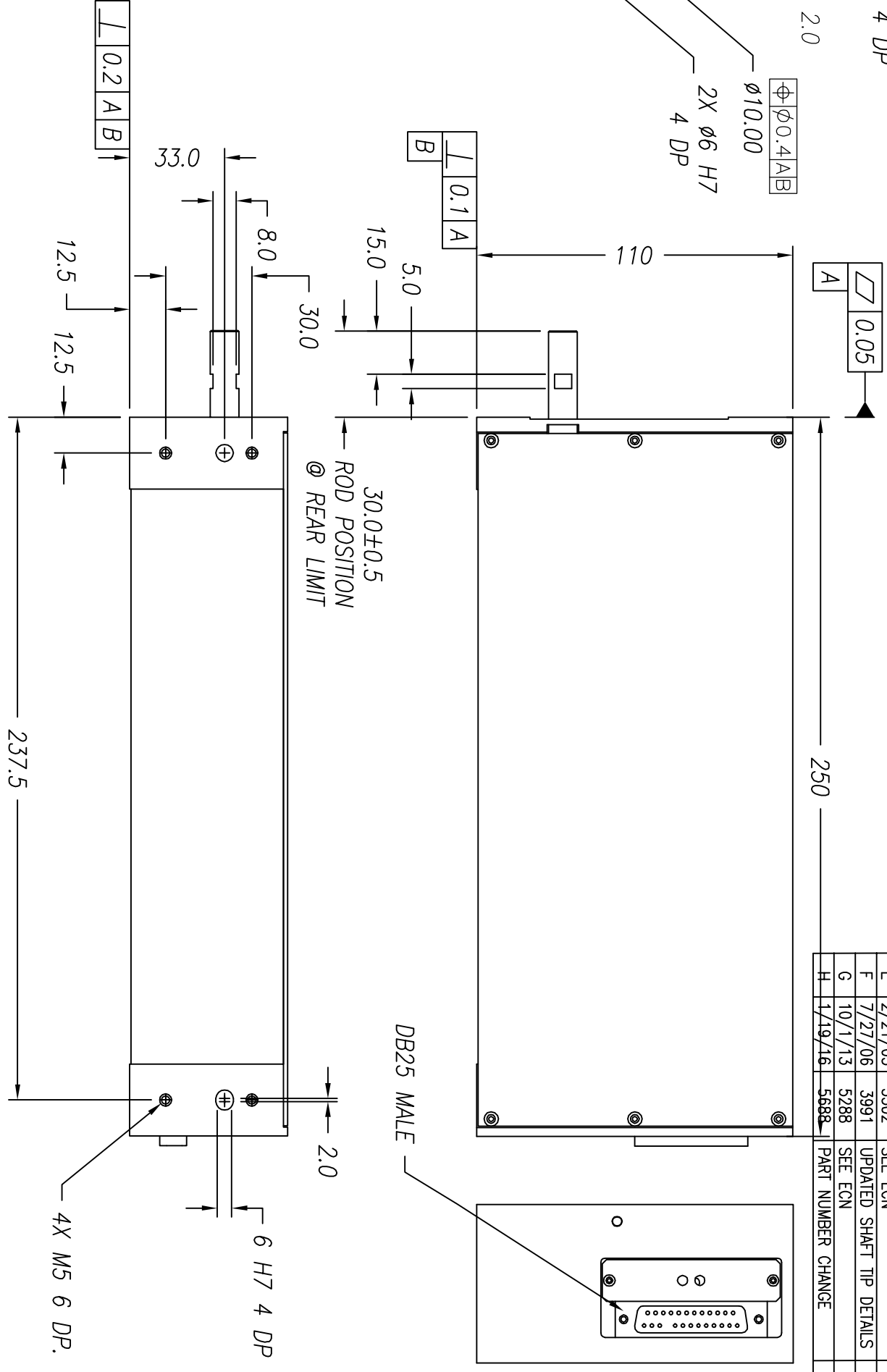
- ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE NOTED.
- LINEAR SPECIFICATION:
 - LINEAR STROKE: 100.0 +1.0/-0 mm
 - FORCE CONSTANT: 17.0 N/AMP
 - PEAK FORCE: 25.0 N @ 1.8 AMPS (48 VDC)
 - CONTINUOUS FORCE: 17.0 N @ 1.0 AMPS (48 VDC)
 - COIL DC RESISTANCE: 25 OHMS @ 22°C
 - COIL INDUCTANCE: 6.8 mH @ 1 KHz
 - ENCODER RESOLUTION: 0.5, 1, 5 MICROMETER (NC)
 - ENCODER ACCURACY: ±4 Counts
- MOVING MASS: 300 GRAMS
- TOTAL MASS: 3800 GRAMS
- OPERATING TEMPERATURE: 0°C TO +65°C

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



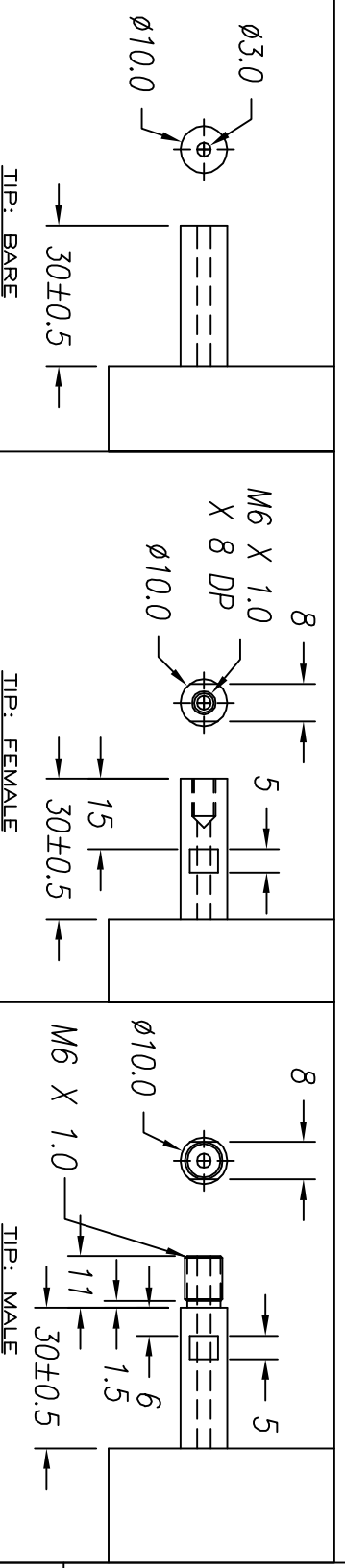
DB-25P PINOUT

1	+5VDC	14	LINEAR PHASE A+
2	+5V RETURN	15	NO CONNECTION
3	NO CONNECTION	16	LINEAR PHASE B+
4	LINEAR PHASE A-	17	NO CONNECTION
5	NC	18	LINEAR INDEX +
6	LIMIT RETURN	19	COIL -
7	COIL +	20	COIL -
8	COIL +	21	NO CONNECTION
9	LINEAR PHASE B-	22	NO CONNECTION
10	NO CONNECTION	23	LINEAR INDEX -
11	LIMIT +	24	NO CONNECTION
12	LIMIT -	25	NO CONNECTION
13	NO CONNECTION		



REVISIONS

REV	DATE	ECN	DESCRIPTION	APP
E	2/21/05	3502	SEE ECN	SMH
F	7/27/06	3991	UPDATED SHAF. TIP DETAILS	LR
G	10/11/13	5288	SEE ECN	KGS
H	1/19/16	5688	PART NUMBER CHANGE	SB



SMAC

REF. NUMBER: LAL55-100-7

CONTRACT: STD

SHEET NUMBER: 1 OF 1

DESIGNED BY: TOAN VU DATE: 09/09/02 CHECKED BY: DATE:

DRAWN BY: KARL STOCKS DATE: 10/11/13 APPROVED BY: DATE:

PART NAME: LAL55-100-7X-1

SCALE: NONE DWG SIZE: B PART NUMBER: LAL55-100-7X-1 REVISION: H

FILE NAME: LAL55-100-7_G

TOLERANCES ARE:

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

MATERIAL: ALUMINUM 6061-T6

HEAT TREAT: RC

MACHINE FINISH: DEEP

EXCEPT NOTED: 1.6

PROTECTIVE FINISH: ELECTROLESS NICKEL

SPEC. NUMBER: DO NOT SCALE DWG