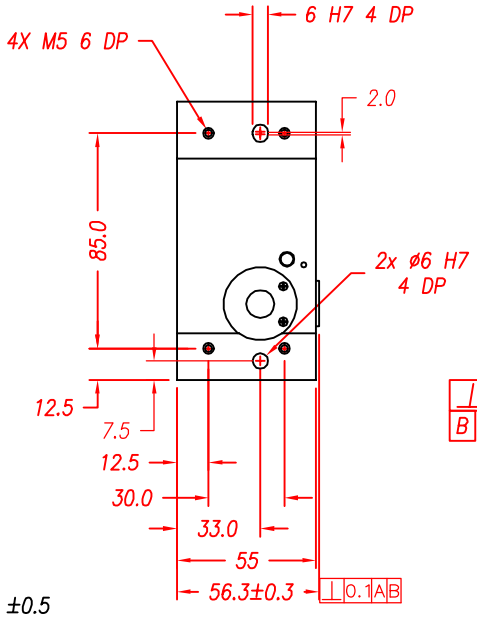
NOTES: (UNLESS OTHERWISE SPECIFIED)

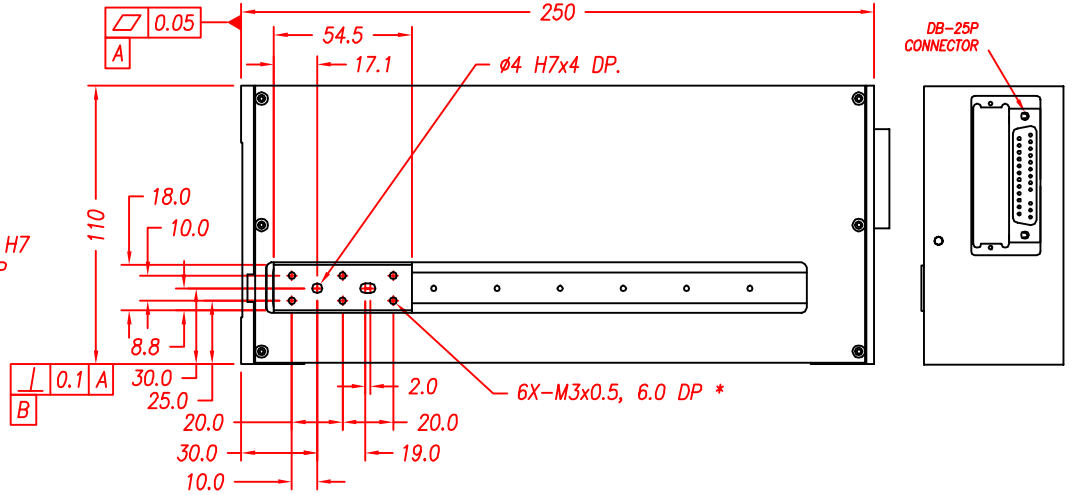
1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE NOTED.
2. LINEAR SPECIFICATION:
   - LINEAR STROKE: 150.0 +1.0/−0 mm
   - FORCE CONSTANT: 10.0 N/AMP
   - PEAK FORCE: 13.0 N @ 1.3 AMPS (24 VDC)
   - CONTINUOUS FORCE: 10.0 N @ 1.0 AMPS (24 VDC)
   - COIL DC RESISTANCE: 16.5 OHMS @ 22°C
   - COIL INDUCTANCE: 4.3 mH @ 1 kHz
   - ENCODER RESOLUTION: 0.5, 1, 5 MICROMETER (NC)
   - ENCODER ACCURACY: ±4 Counts
3. MOVING MASS: 250 GRAMS
4. TOTAL MASS: 4550 GRAMS
5. OPERATING TEMPERATURE: 0°C TO +65°C

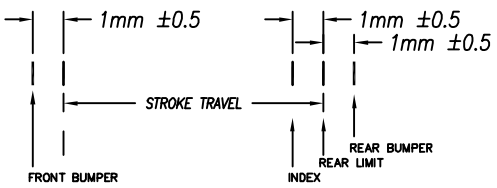
SIGNATURE NEEDED FOR ORDER APPROVAL
SIGN_____ DATE _____
APPROVAL NOT RECEIVED WITHIN
48 HOURS MAY AFFECT DELIVERY

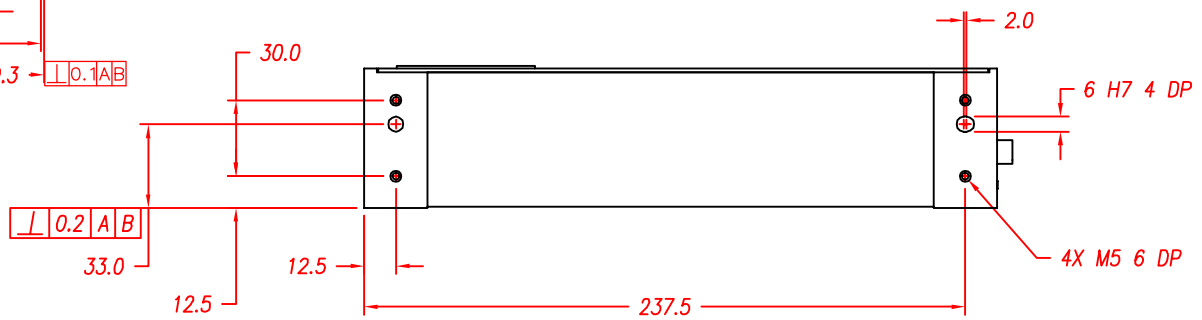
REVISIONS

REV	DATE	ECN	DESCRIPTION	APP
E	4/9/03	2773	SEE ECN	SMH
F	7/02/03	2744	SEE ECN	GK
G	3/3/05	3494	SEE *	SMH
H	10/22/13	5288	SEE *	KGS
J	1/21/16	5688	PART NUMBER CHANGE	SB









DB−25P PINOUT

1	+5VDC
2	+5V RETURN
3	NO CONNECTION
4	LINEAR PHASE A−
5	NC
6	LIMIT RETURN
7	COIL +
8	COIL +
9	LINEAR PHASE B−
10	NO CONNECTION
11	NC
12	NC
13	NO CONNECTION

14	LINEAR PHASE A+
15	NO CONNECTION
16	LINEAR PHASE B+
17	NO CONNECTION
18	LINEAR INDEX +
19	COIL −
20	COIL −
21	NO CONNECTION
22	NO CONNECTION
23	LINEAR INDEX −
24	NO CONNECTION
25	NO CONNECTION

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 0.2 MAX

FILE NAME: LAS55−150−5_H

MATERIAL: ALUMINUM 6061−T6

HEAT TREAT: ____/____ RC
____ DEEP

MACHINE FINISH: 3.2
EXCEPT NOTED.

PROTECTIVE FINISH: ELECTROLESS NICKEL

SPEC. NUMBER:

SMAC

REF. NUMBER: LAS55−150−5

DESIGNED BY: TOAN VU | DATE: 09/09/02 | CHECKED BY: | DATE: | CONTRACT: STD

DRAWN BY: KARL STOCKS | DATE: 10/22/13 | APPROVED BY: | DATE:

PART NAME: LAS55−150−5X−1

SHEET NUMBER: 1 OF 1

SCALE: NONE (DO NOT SCALE DWG) | DWG SIZE: B | PART NUMBER: LAS55−150−5X−1 | REVISION: J