NOTES: (UNLESS OTHERWISE SPECIFIED)

ALL DIMENSIONS ARE IN MILLIMETERS.

LINEAR SPECIFICATION:

LINEAR STROKE: 10 +1.0/-0 mm
FORCE CONSTANT: 5.5 N/AMP
PEAK FORCE: 8.0 N @ 1.8 AMPS (24 VDC)
CONTINUOUS FORCE 5.5 N @ 1.0 AMPS (24 VDC)
COIL DC RESISTANCE: 12.5 OHMS @ 22°C
COIL INDUCTANCE: 1.84 mH @ 1 kHz
ENCODER RESOLUTION: .5, 1, 5 MICROMETERS
ENCODER ACCURACY: ±4 COUNTS

MOVING MASS: 70 GRAMS
TOTAL MASS: 300 GRAMS

OPERATING TEMPERATURE: -10°C TO +65°C

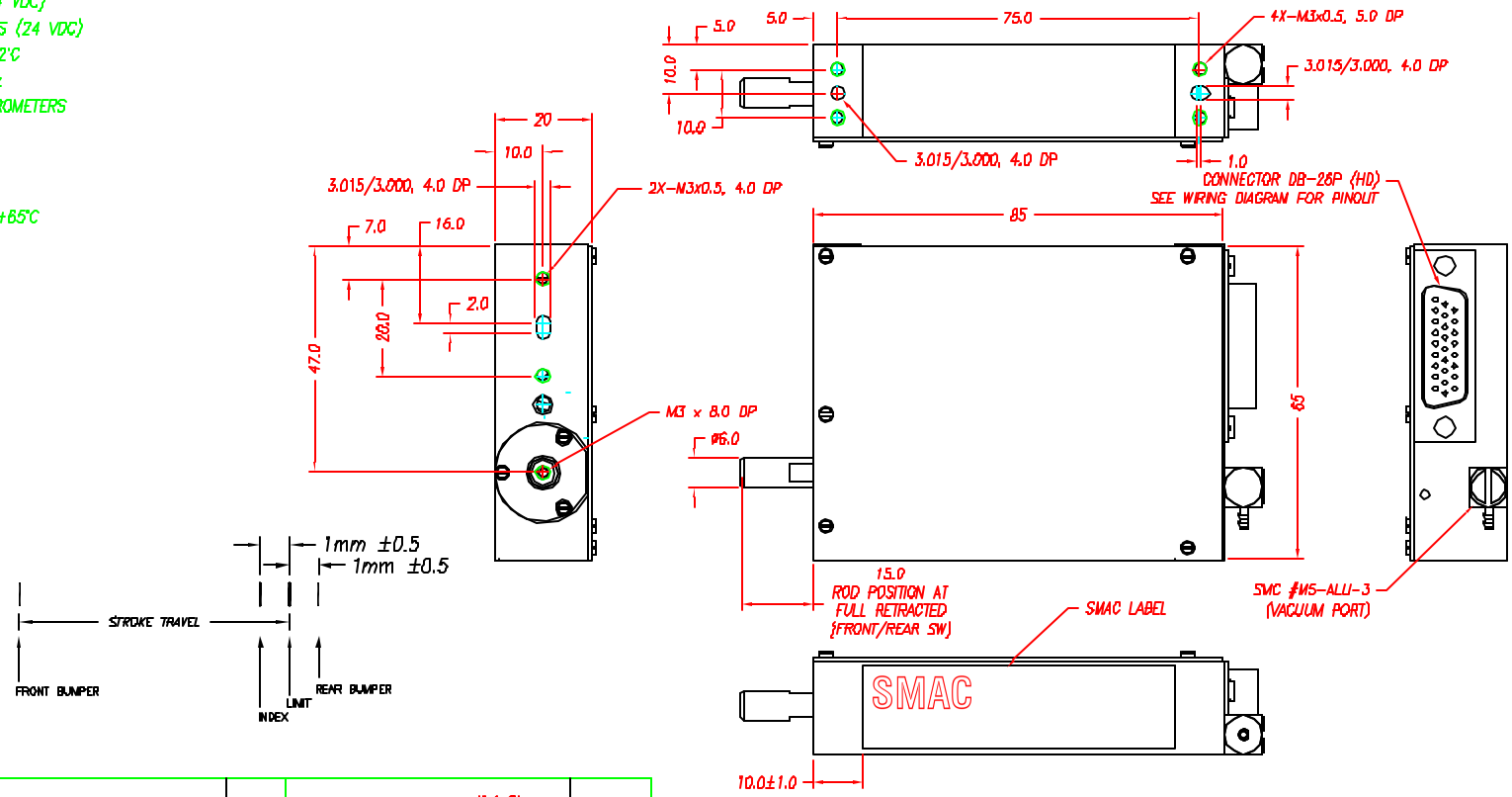
SIGNATURE NEEDED FOR ORDER APPROVAL
SIGN _____ DATE _____
APPROVAL NOT RECEIVED WITHIN
48 HOURS MAY AFFECT DELIVERY

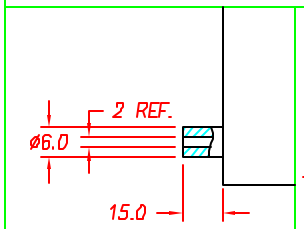
REVISIONS

REV	DATE	ECN	DESCRIPTION	APP
D	12/5/01	2251	SEE ECN	SMH
E	1/30/02	2325	SEE ECN	SMH
F	10/17/02	2603	SEE ECN	SMH
G	7/1/03	2744	SEE ECN	SMH
H	3/3/02	3084	SEE ECN	CAW

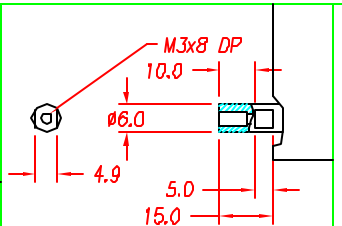
DB-26P PINOUT

1	(L) PH. A+
2	(L) PH. B+
3	(L) PH. Z+
4	NC
5	NC
6	I/O RTN
7	NC
8	NC
9	NC
10	(L) PH. A-
11	(L) PH. B-
12	(L) PH. Z-
13	NC
14	NC
15	LIMIT -
16	NC
17	NC
18	NC
19	+5VDC
20	5V RTN
21	(L) COIL +
22	(L) COIL +
23	(L) COIL -
24	(L) COIL -
25	NC
26	NC

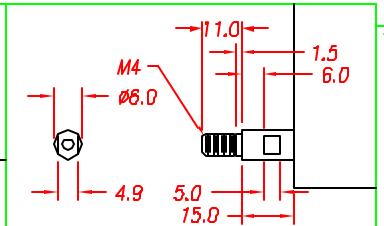




TIP OPTION B (BARE)



TIP OPTION F (FEMALE)



TIP OPTION M (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		0.2 MAX

FILE NAME: LAL20-010-5

MATERIAL: 6061-T6 ALUMINUM

HEAT TREAT: ____/____ RC ____ DEEP

MACHINE FINISH: 1.6 EXCEPT NOTED.

PROTECTIVE FINISH: ELECTROLESS NICKEL

SPEC. NUMBER:

SMAC

DESIGNED BY: TDAN VU	DATE: 08/09/02	CHECKED BY:	DATE:
DRAWN BY: S. HOOYMAN	DATE: 07/01/03	APPROVED BY:	DATE:

PART NAME: LAL20-010-5

SCALE: NONE — DO NOT SCALE DWG

DWG SIZE: B

PART NUMBER: LAL20-010-5

REF. NUMBER: LAL20-010

CONTRACT: STD

SHEET NUMBER: 1 OF 1

REVISION: H