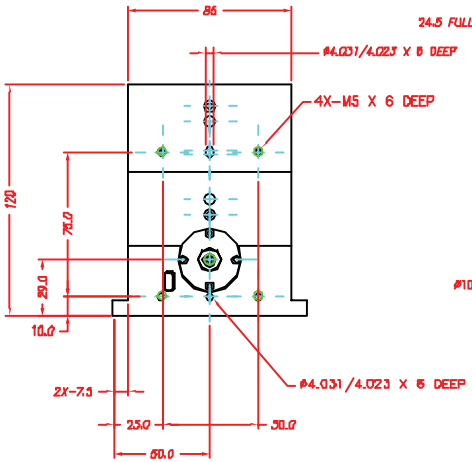
NOTES: (UNLESS OTHERWISE SPECIFIED)

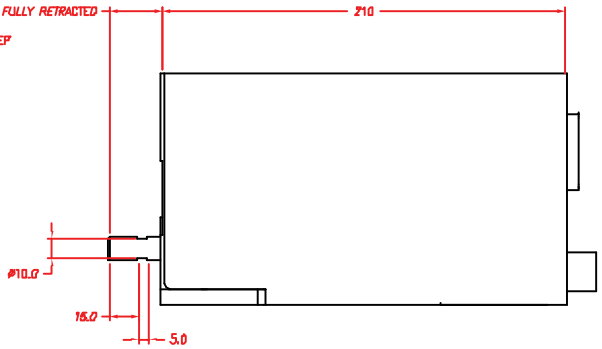
1. ALL DIMENSIONS ARE IN MM OTHERWISE NOTED.
2. ALL DIMENSION APPLY AFTER PLATING.
3. ACTUATOR LINEAR SPECIFICATONS:
   - LINEAR STROKE: 100 +1/-0 MM
   - FORCE CONSTANT: 43 N/A
   - PEAK FORCE: 80 N/2 AMPS
   - CONTINOUS OPERATION 100% DUTY CYCLE: 43 N @ 1 AMPS
   - COIL DC RESISTANCE: 23 ±10% OHMS TOTAL (48VDC)
   - LINEAR ENCODER RESOLUTION: 1.0, 5.0, 0.5 MICRON NC
   - ENCODER ACCURACY: ± 5 COUNTS
   - MOVING MASS: 700 GRAMS
   - TOTAL MASS: 7.9 KGRAMS
4. LIMIT SWITCH WILL BE DETERMINE WHEN SAMPLE BUILD
5. OPERATING TEMPERATURE: -40°C TO +65°C

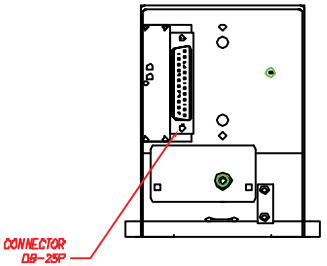
SIGNATURE NEEDED FOR ORDER APPROVAL
SIGN _____ DATE _____
APPROVAL NOT RECEIVED WITHIN
48 HOURS MAY AFFECT DELIVERY

REVISIONS

REV	DATE	ECN	DESCRIPTION	APP
A	12/01/03		RELEASE	TMV

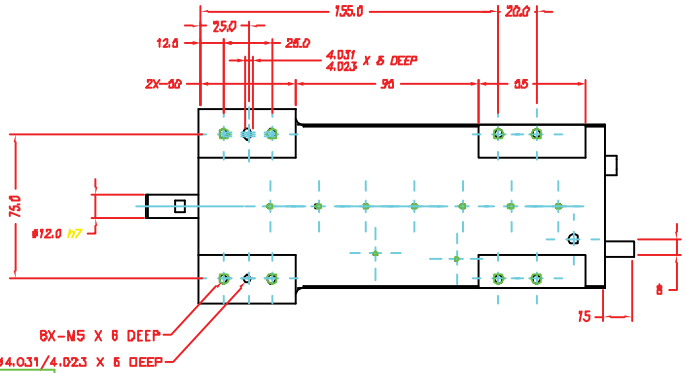


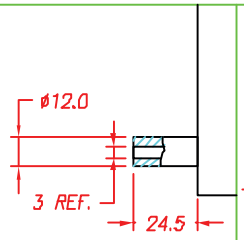




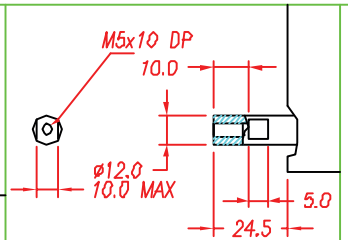
DB-25P PINOUT

1	+6VDC
2	+5V RETURN
3	NC
4	LINEAR PHASE A-
5	OVER HEAT
6	OVER HEAT RETURN
7	COIL +
8	COIL +
9	LINEAR PHASE B-
10	NC
11	NC
12	NC
13	NC
14	LINEAR PHASE A+
15	NC
16	LINEAR PHASE B+
17	NC
18	LINEAR INDEX +
19	COIL -
20	COIL -
21	NC
22	NC
23	LINEAR INDEX -
24	NC
25	NC

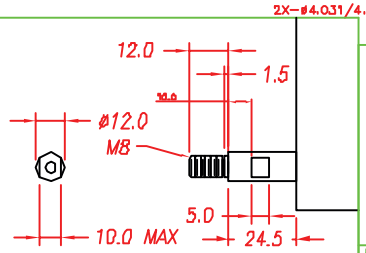




TIP OPTION B (BARE)



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	0.02 MAX
CHAMFER	0.03 MAX

FILE NAME: LAL300-100-7

MATERIAL: ALUMINUM 6061-T6

HEAT TREAT: ___/___ RC ___ DEEP

MACHINE FINISH: 1.6 EXCEPT NOTED.

PROTECTIVE FINISH: ELECTROLESS NICKEL

SPEC. NUMBER:

SMAC

REF. NUMBER: LAL300-100

DESIGNED BY:	DATE:	CHECKED BY:	DATE:	CONTRACT:
TOAN VU	12/01/03			
DRAWN BY: TOAN VU	DATE: 12/01/03	APPROVED BY:	DATE:	

PART NAME: LAL300-100-7

SHEET NUMBER: 1 OF 1

SCALE:	DWG SIZE:	PART NUMBER:	REVISION:
NONE	B	LAL300-100-7	A

DO NOT SCALE DWG