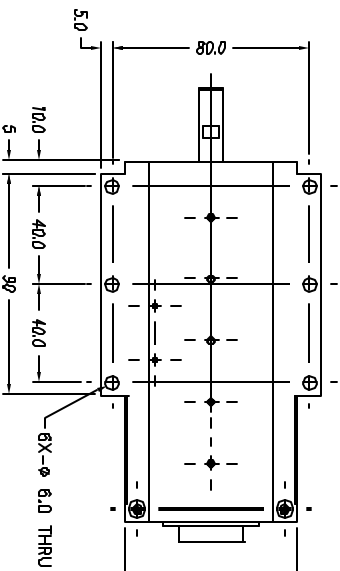
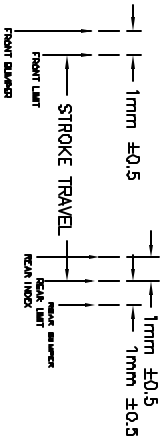
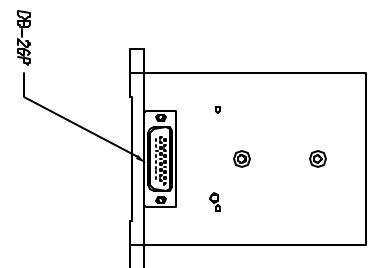
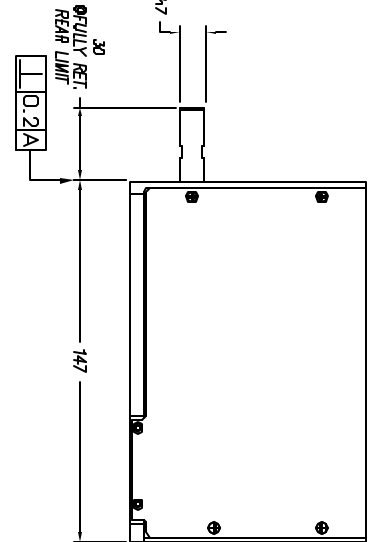
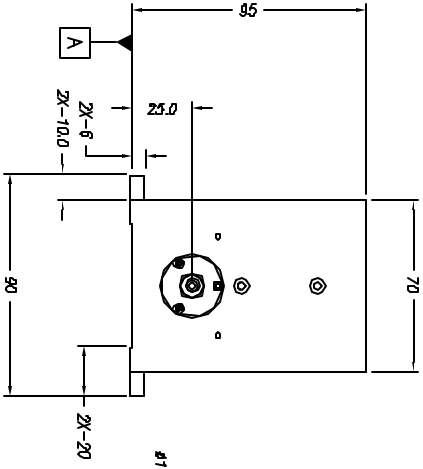


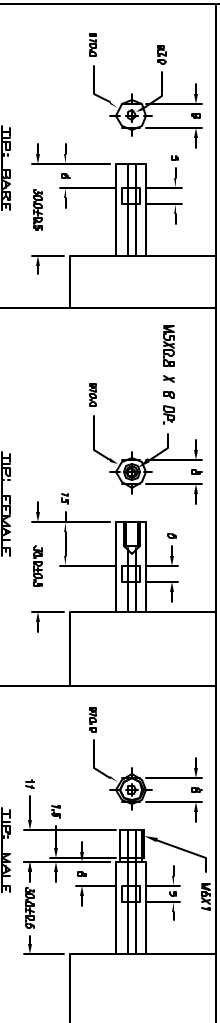
- NOTES: (UNLESS OTHERWISE SPECIFIED)
- ALL DIMENSIONS ARE IN MILLIMETERS.
  - LINEAR SPECIFICATION:
    - LINEAR STROKE:  $50 \pm 1.0 / -0$  mm
    - FORCE CONSTANT:  $41.5 \text{ N/AMP}$
    - PEAK FORCE:  $65.5 \text{ N} @ 1.7 \text{ AMPS (48VDC)}$
    - CONTINUOUS FORCE:  $41.5 \text{ N} @ 1 \text{ AMPS (48 VDC)}$
    - COIL DC RESISTANCE:  $26.5 \text{ OHMS} @ 22^{\circ}\text{C}$
    - COIL INDUCTANCE: TBD/HH @  $1 \text{ kHz}$
    - ENCODER RESOLUTION:  $0.5, 1 \text{ OR } 5 \text{ MICROMETERS}$
    - ENCODER ACCURACY:  $\pm 4 \text{ COUNTS}$
  - MOVING MASS:  $340 \text{ GRAMS}$
  - TOTAL MASS:  $2850 \text{ GRAMS}$
  - OPERATING TEMPERATURE:  $-10^{\circ}\text{C TO } +55^{\circ}\text{C}$

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



DB-28P ENCODER

1	D	PH. A+
2	D	PH. B+
3	D	PH. Z+
4	NC	
5	NC	
6	NC	
7	NC	
8	NC	
9	NC	
10	D	PH. A-
11	D	PH. B-
12	D	PH. Z-
13	NC	(R) HOME
14	LIMIT	+
15	LIMIT	-
16	NC	
17	NC	
18	NC	
19	+	AVDD5
20	SV	RTN
21	D	COIL +
22	D	COIL +
23	D	COIL -
24	D	COIL -
25	NC	
26	NC	



REVISIONS

REV	DATE	ECN	DESCRIPTION	APP
B	10/67/02	2607	RELEASE: ADD TIP OPT.	TW
C	4/4/03	2744	UPDATE FORMAT AND NOTES	BR
D	1/28/04	3041	UPDATE SHAFT END DIM	SEK
E	9/3/04	3315	ADD 25.0 DIM	SMH
F	4/14/05	3568	CORRECT MALE TIP DIM	SMH

<p>RELAXANCES ARE:</p> <p>X ± 0.50</p> <p>X.X ± 0.1</p> <p>X.XX ± 0.05</p> <p>X.XXX ± 0.01</p> <p>ANGLE ± 0.1°</p> <p>CONCENTRICITY ± 0.05</p> <p>ROUNNESS ± 0.2 MAX</p> <p>EDGE BREAK CHAMFER 0.2 MAX</p>	<p>MATERIAL ALUMINUM</p> <p>HEAT TREAT / RC</p> <p>FINISH / DEEP</p> <p>EXCEPT MATERIAL / 1.8</p> <p>PROTECTIVE FINISH / ELECTROLESS NICKEL</p> <p>SPEC. NUMBER</p>	<p>DESIGNED BY: TCM/VJ</p> <p>DATE: 9/25/02</p> <p>CHECKED BY:</p> <p>DRAWN BY: S. HOODMAN</p> <p>DATE: 4/4/03</p> <p>PART NAME: LAL95-050-7</p>	<p>REF. NUMBER: LAL95-050</p> <p>DATE:</p> <p>CONTRACTS: STD</p> <p>DATE:</p> <p>SHEET NUMBER: 1 OF 1</p>
<p>FILE NAME: LAL95-050-7</p>	<p>SCALE: NONE</p> <p>DWG SIZE: B</p>	<p>PART NUMBER: LAL95-050-7</p>	<p>REVISION: F</p>