

NOTES: (UNLESS OTHERWISE SPECIFIED)

- ALL DIMENSIONS ARE IN MILLIMETERS.
- LINEAR SPECIFICATION:

LINEAR STROKE: 15.0 +1/-0 mm

FORCE CONSTANT: 5.0 N/AMP

PEAK FORCE: 7.0 N @ 1.8 AMPS (24 VDC)

CONTINUOUS FORCE 5.0 N @ 1.0 AMP (24 VDC)

COIL DC RESISTANCE: 12.5 OHMS @ 22°C

ENCODER RESOLUTION: .5, 1, 5 MICROMETERS

ENCODER ACCURACY: ±4 COUNTS

- THETA SPECIFICATION: (DIRECT OUTPUT SHAFT)

ROTATION ANGLE: 360°

PEAK TORQUE: 8.47 mN-m (.36 AMPS, 24 VDC)

CONTINUOUS TORQUE: 2.47 mN-m @ .105 AMPS (24 VDC)

MAXIMUM RPM : 5000 (WITH 0 LOAD & VACUUM)

GEAR RATIO: NONE

ROTARY MOTOR TYPE: BRUSH

ENCODER RESOLUTION: 20,000 CPR

ENCODER ACCURACY: ±5 COUNTS (0° BACK LASH)

- MOVING MASS: 90 GRAMS
- TOTAL MASS: 400 GRAMS
- OPERATING TEMPERATURE: -0°C TO +65°C

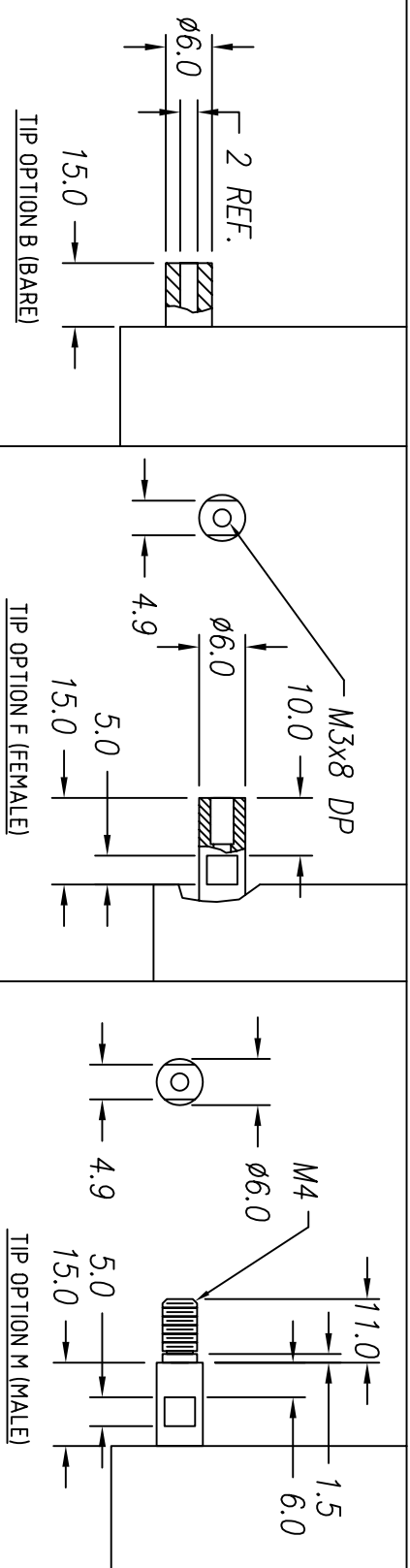
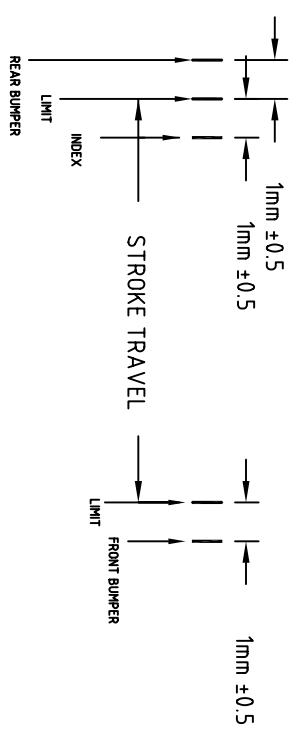
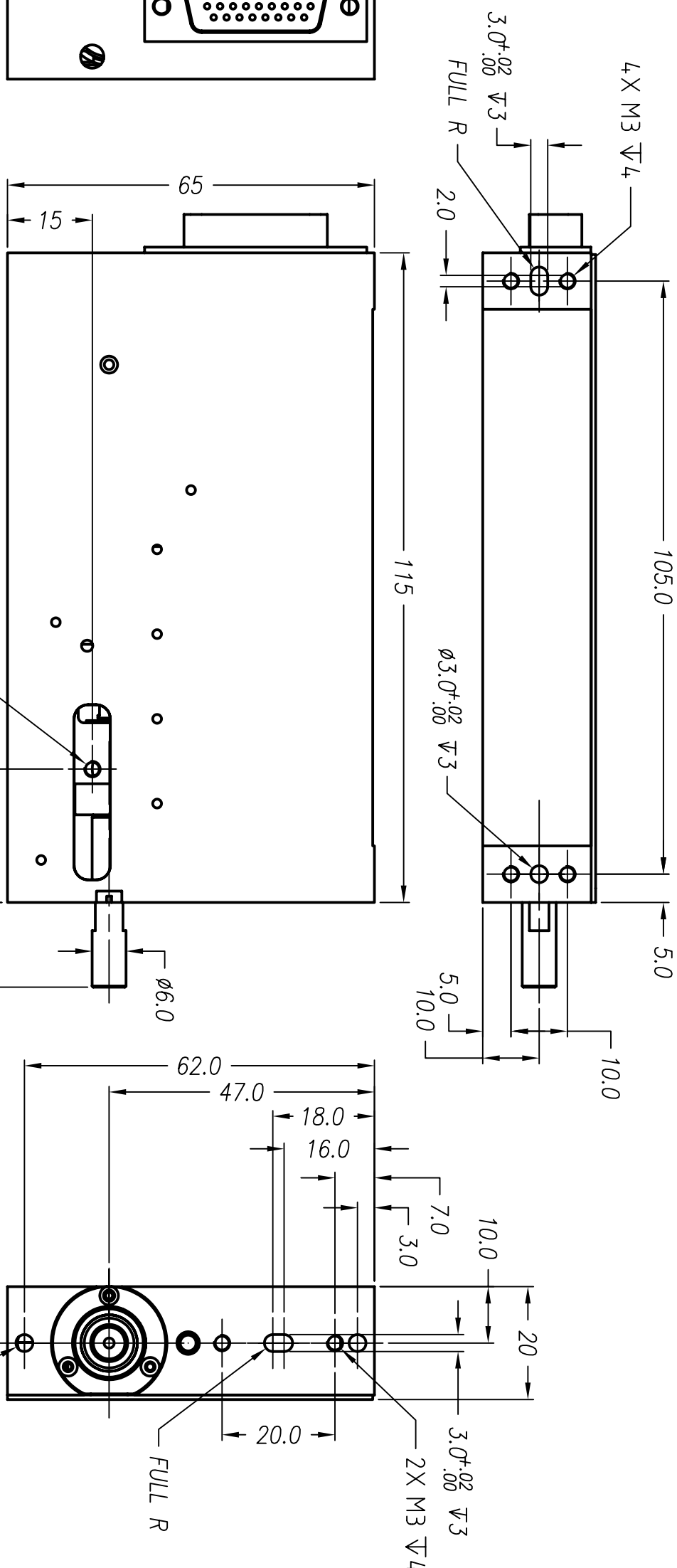
DB-26P (HD)
CONNECTOR

DB-26P PINOUT	
1	(L) PH. A+
2	(L) PH. B+
3	(L) PH. Z+
4	NC
5	NC
6	I/O RTN
7	(R) PH. B+
8	(R) PH. A+
9	(R) PH. I+
10	(L) PH. A-
11	(L) PH. B-
12	(L) PH. Z-
13	NC

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

DATE

REVISIONS				
REV	DATE	ECN	DESCRIPTION	APP
1	1/26/05	3468	SEE ECN	JN
J	6/16/06	3964	U-CUP DESIGN	NI



<p>TOLERANCES ARE:</p> <table border="0"> <tr><td>X.</td><td>± 0.50</td></tr> <tr><td>X.X</td><td>± 0.1</td></tr> <tr><td>X.XX</td><td>± 0.05</td></tr> <tr><td>X.XXX</td><td>± 0.1*</td></tr> <tr><td>ANGULARITY</td><td>± 0.01</td></tr> <tr><td>CONCENTRIC</td><td>± 0.05</td></tr> <tr><td>ROUNDNESS</td><td>± 0.02 MAX</td></tr> <tr><td>EDGE BREAK</td><td>0.02 MAX</td></tr> <tr><td>CHAMFER</td><td>0.02 MAX</td></tr> </table>		X.	± 0.50	X.X	± 0.1	X.XX	± 0.05	X.XXX	± 0.1*	ANGULARITY	± 0.01	CONCENTRIC	± 0.05	ROUNDNESS	± 0.02 MAX	EDGE BREAK	0.02 MAX	CHAMFER	0.02 MAX	<p>MATERIAL: ALUMINUM 6061-T6</p> <p>HEAT TREAT: RC</p> <p>MACHINE FINISH: 1.6/DEEP</p> <p>EXCEPT NOTED. PROTECTIVE FINISH ELECTROLESS NICKEL</p>	<p>DESIGNED BY: TOAN VU</p> <p>DATE: 3/22/04</p> <p>CHECKED BY:</p> <p>DATE:</p>	<p>REF. NUMBER LAR20-015</p> <p>CONTRACT: STD</p>
X.	± 0.50																					
X.X	± 0.1																					
X.XX	± 0.05																					
X.XXX	± 0.1*																					
ANGULARITY	± 0.01																					
CONCENTRIC	± 0.05																					
ROUNDNESS	± 0.02 MAX																					
EDGE BREAK	0.02 MAX																					
CHAMFER	0.02 MAX																					
<p>FILE NAME: LAR20-015-5_J</p>	<p>MACHINE FINISH: 1.6/DEEP</p>	<p>DRAWN BY: N. ITAKURA</p> <p>DATE: 6/16/06</p> <p>APPROVED BY:</p> <p>DATE:</p>	<p>SHEET NUMBER: 1 OF 1</p>																			
<p>SCALE: NONE</p>	<p>SCALE: NONE</p>	<p>PART NAME: LAR20-015-5 OUTLINE DRAWING</p>	<p>REVISION: J</p>																			
<p>SPEC. NUMBER: DO NOT SCALE DWG</p>	<p>PROTECTIVE FINISH ELECTROLESS NICKEL</p>	<p>DWG SIZE: B</p>	<p>PART NUMBER: LAR20-015-5</p>																			