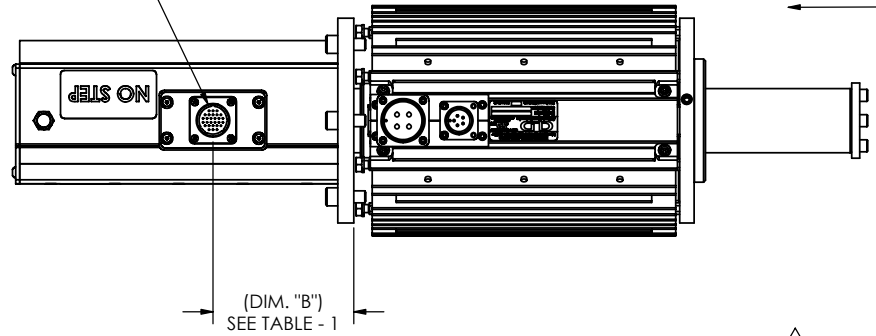


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REVISION HISTORY			
REV.	DESCRIPTION	DATE	APPROVED
F	REVISED PER ECO #0122	2/18/04	PH

AMP #207369-1
FOR SIGNAL INTERCONNECTIONS AND
FUNCTIONS, REFER TO SHEET 2

STROKE LENGTH	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"
2.0	6.6	2.33	1.00	1.75
4.0	8.6	3.48	2.00	3.75
6.0	10.6	4.40	3.00	5.75
8.0	12.6	5.33	4.00	7.75
10.0	14.6	6.25	5.00	9.75
12.0	16.6	7.18	6.00	11.75

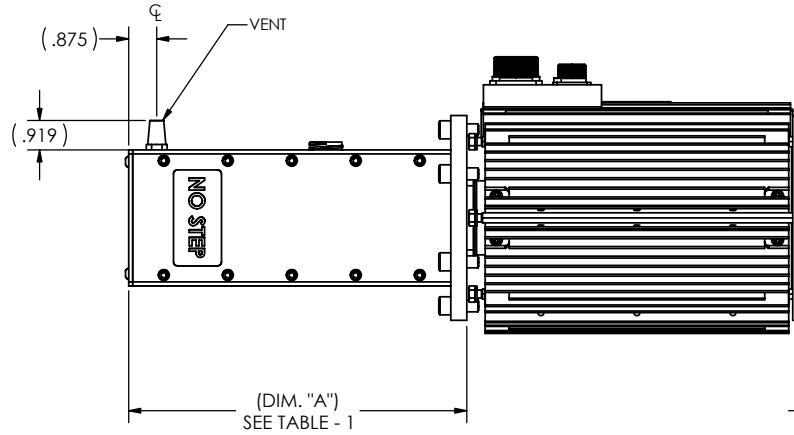
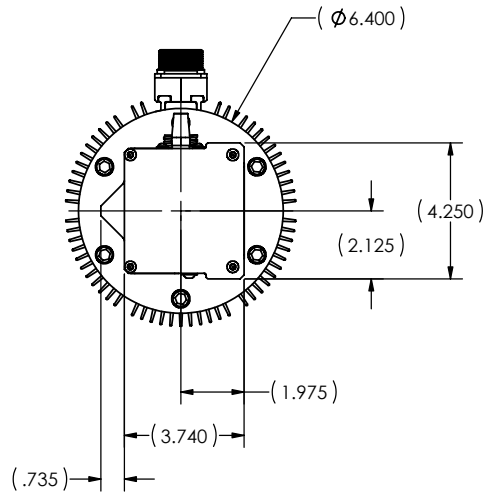


POSITIVE SHAFT MOTION

(DIM. "B")
SEE TABLE - 1

(DIM. "D")
SEE TABLE - 1

(DIM. "C")
SEE TABLE - 1



(DIM. "A")
SEE TABLE - 1

STROKE
SEE TABLE - 1

FULLY EXTENDED POSITION

INTERFACE CONTROL DRAWING

- 6: DIMENSION REFERENCES LOCATION OF REFERENCE MARK.
- 5: DIMENSION REFERENCES LOCATION OF LIMIT SWITCH.
- 4: 120° ELECTRICAL COMMUTATION SIGNALS AS PER NEMA I.C.S. 16.

3. UNIT CONTAINS NO USER SERVICABLE ITEMS. DO NOT DISASSEMBLE. DISASSEMBLY MAY CAUSE DAMAGE TO THE UNIT.
2. THE MOTOR BEARINGS ARE NOT INTENDED TO SUPPORT RADIAL LOADS. THIS WILL RESULT IN ACCELERATED BEARING WEAR. PLEASE CONSULT CLD REGARDING YOUR APPLICATION IF RADIAL LOADS ARE EXPECTED.
1. CAUTION: DO NOT OPERATE THE MOTOR WITHOUT THE END STOP PLATES OR AN EXTERNAL STOP TO CONTAIN THE SHAFT WITHIN THE STATOR.

NOTES: UNLESS OTHERWISE SPECIFIED

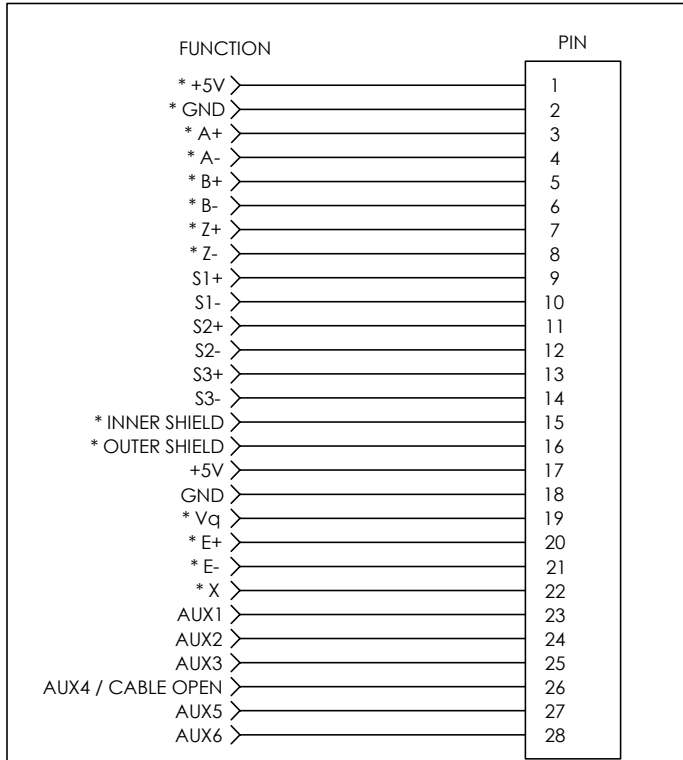
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS .005 ANGLES .10° XXX ± .01 INTERPRET PER ANSI Y14.5M FILLET RADIUS - .020 / .005 SURFACE ROUGHNESS 125 RMS PER ANSI B46.1		CONTRACT	
DO NOT SCALE DRAWING		APPROVALS	DATE
MATERIAL	N/A	DRAWN	C. GUFFEY 1/4/02
FINISH	N/A	CHECKED MECHANICAL	C. ELLARD 1/8/02
		CHECKED ELECTRICAL	G. SCHULITZ 1/8/02
		ENGINEERING MANAGER	P. HOLLINGSWORTH 1/8/02
		QUALITY ASSURANCE	

CLD 2236 Rutherford Road, Suite 119
Carlsbad, California 92008
California Linear Devices, Inc. www.calinear.com

TITLE OPTION - LC			
REV. C	CAGE CODE	DWG NO.	REV. F
		ICD - OPTION - LC	
SCALE	1:3	ACBIL FILE NAME	motor option - LC rev F
SHEET	1	OF	3

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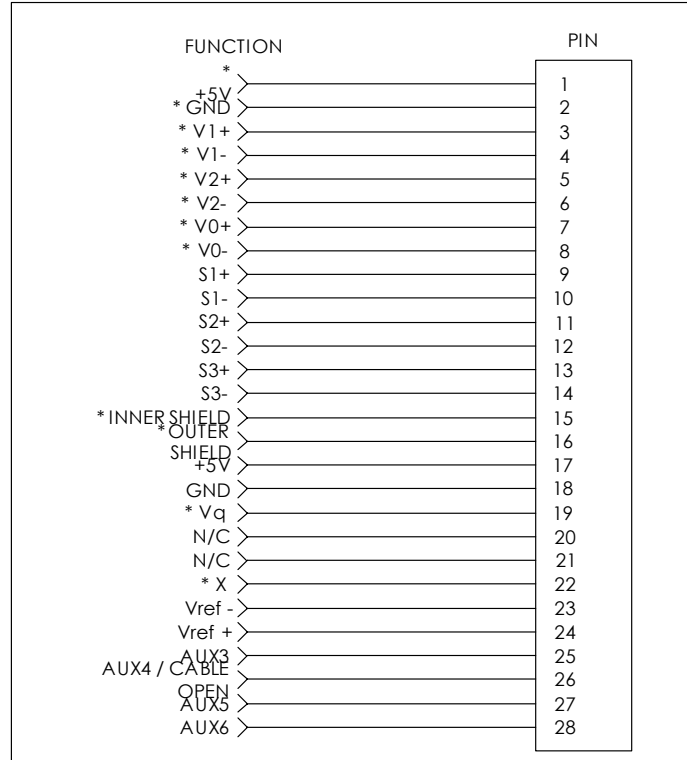
REVISION HISTORY			
REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET - 1 FOR REVISIONS		



AMP #207369-1
(28-POS., SIZE 17)

LCA, B, C, D OUTPUT


* REFER TO RENISHAW RGH22 DATA SHEET (REF. L-9517-0182-03-A)
FOR RGH22D, X, Z, & Y READ HEADS



AMP #207369-1
(28-POS., SIZE 17)

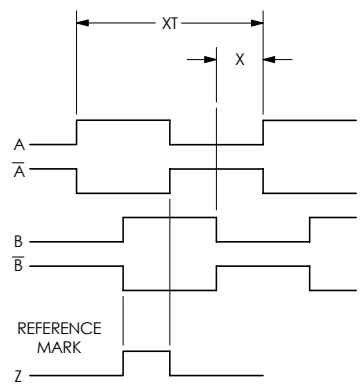
LCE OUTPUT

* REFER TO RENISHAW RGH22 DATA SHEET (REF. L-9517-0182-03-A)
FOR RGH22B READ HEADS

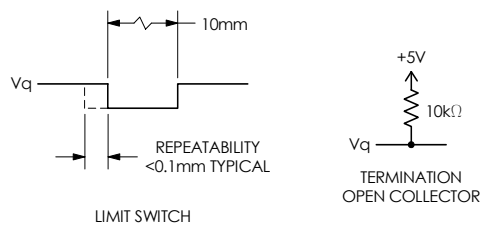
DRAWN	C. GUFFEY	DATE	1/4/02	 2236 Rutherford Road, Suite 119 Carlsbad, California 92008 California Linear Devices, Inc. www.callinear.com
REV.				
SCALE	C	MODEL FILE NAME	motor option - LC rev F	ICD - OPTION - LC REV. F
SHEET	2	OF	3	

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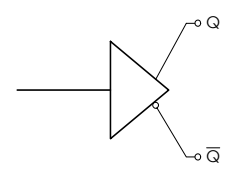
REVISION HISTORY			
REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET - 1 FOR REVISIONS		



LCA, B, C, D OUTPUT SIGNAL

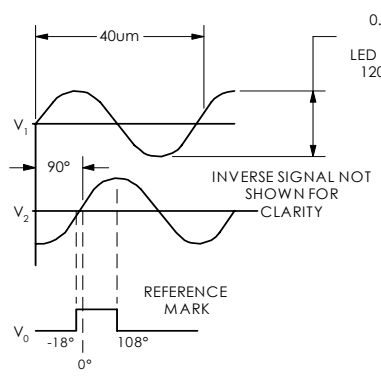
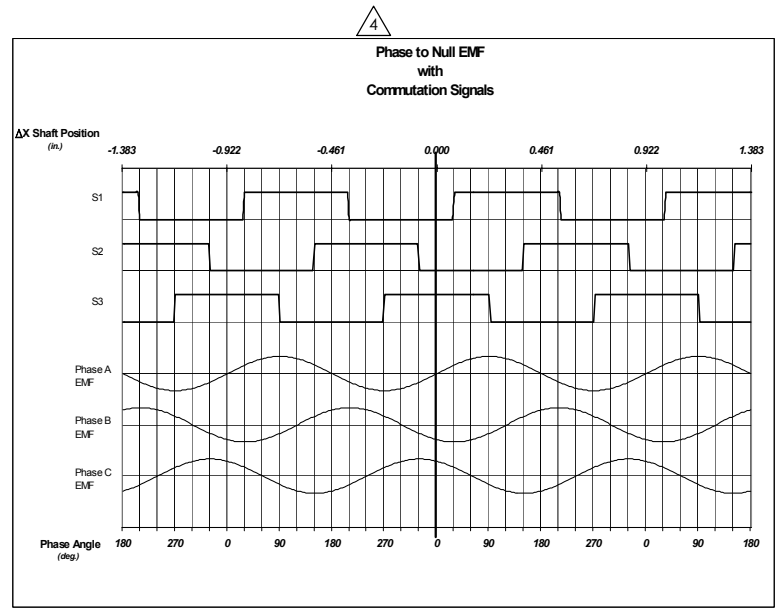


OUTPUT DRIVE CIRCUIT

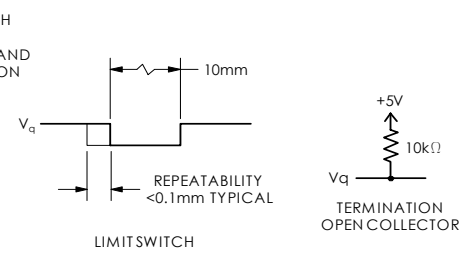


26LS31
Q = A, B, Z
Q-bar = A-bar, B-bar, Z-bar

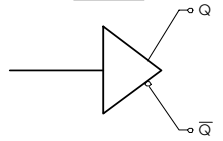
LC OPTION			
OPTION	COUNTS/In.	XT (μm)	X (μm)
A	5080	20	5
B	25400	4	1
C	50800	2	0.5
D	254000	0.4	0.1
E	1 Vpp sin/cos		



LCE OUTPUT SIGNAL

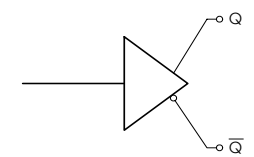


OUTPUT DRIVE CIRCUIT




26LS31
Q = V0+
Q-bar = V0-

OUTPUT DRIVE CIRCUIT



26LS31
Q = S1, S2, S3
Q-bar = S1-bar, S2-bar, S3-bar

DRAWN	C. GUFFY	DATE	1/4/02	 2236 Rutherford Road, Suite 119 Carlsbad, California 92008 California Linear Devices, Inc. www.callinear.com
REV.				
REV.	C	CAGE CODE		ICD - OPTION - LC
SCALE	1:3	MODEL FILE NAME	motor option - LC rev F	SHEET 3 OF 3