

REV.	DCN:	DESCRIPTION OF CHANGE:	DATE:	SIGN
A	002402	INITIAL RELEASE	19-APR-12	ADR
B	003127	MAGNET POLE CHANGED FROM 12 TO 8. DELETED LABEL INFORMATION.	20-APR-12	ADR
C	003886	UPDATE MOTOR LABEL S/N	2013-MAY-06	AMS

**MODEL**

HO-63-A-44-A-E-000

**PERFORMANCE SPECIFICATIONS:**

RES: 4.9 (±10%) OHMS  
 KE: 9.0 (±10%) V/KRPM  
 Kt(TRAP): 12.0 (±10%) oz-in/AMP DC  
 Kt(SINE): 10.39 (±10%) oz-in/AMP Pk  
 Lm: 6.0 (±25%)mH

NUMBER OF MAGNET POLES: 8  
 STATOR WINDING TYPE: WYE

**ENCODER**

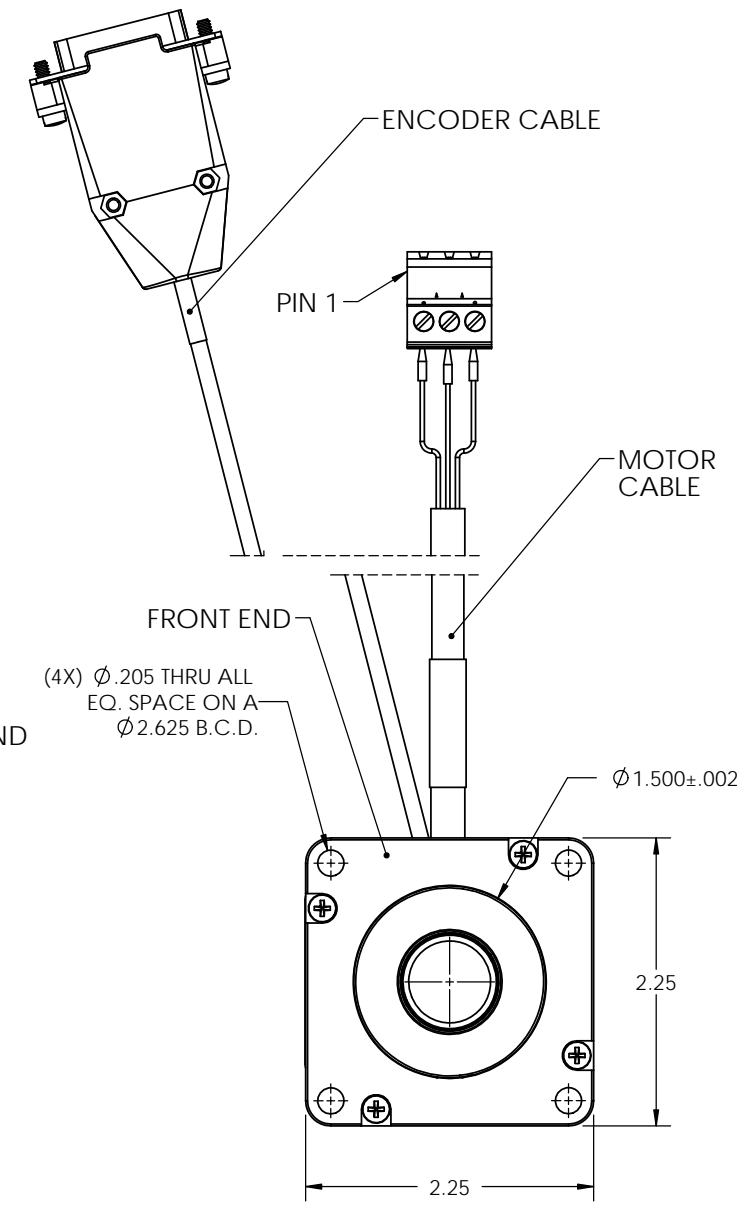
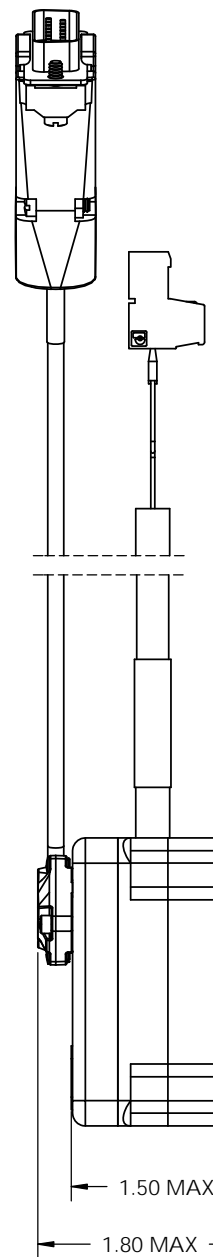
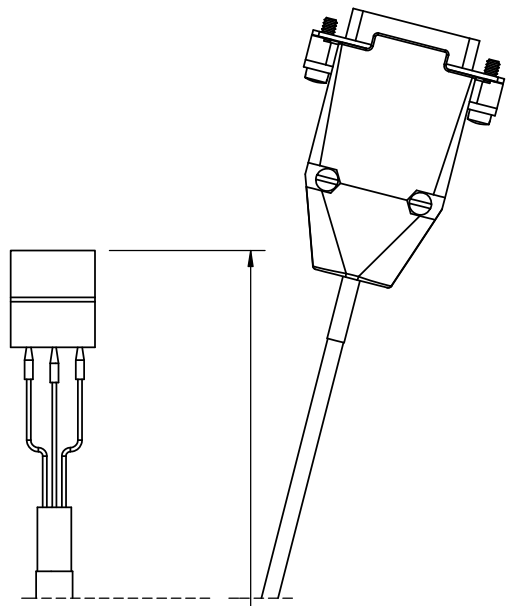
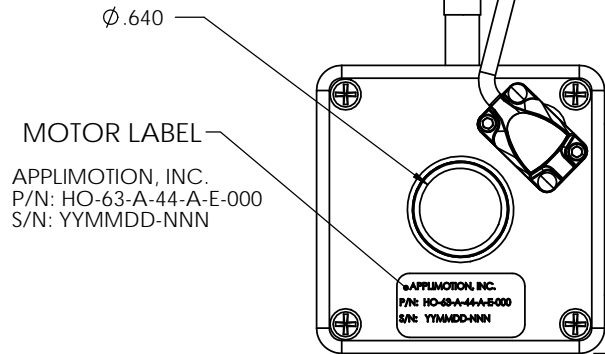
MICRO-E-MERCURY 1500S  
 GRATING COUNTS/REV: 7200  
 INTERPOLATION: 40X

ENCODER CONNECTOR PINOUT	
PIN	FUNCTION
1	N/C
2	N/C
3	N/C
4	A-
5	A+
6	N/C
7	SIN+
8	COS+
9	B-
10	B+
11	N/C
12	+5V
13	GND
14	1W+
15	1W-

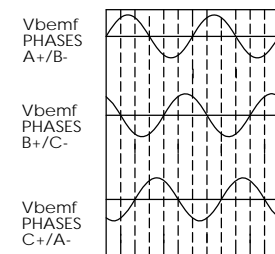
**MOTOR CABLE:**

LENGTH: 15" ±1

MOTOR CONNECTOR PINOUT		
PIN	COLOR	FUNCTION
1	RED	PHASE A
2	WHITE	PHASE B
3	BLACK	PHASE C



PHASE RELATION OF BACK EMF  
 PHASE-TO-PHASE VOLTAGES  
 DURING CW ROTATION OF MOTOR  
 VIEWED FROM FRONT END



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DWG. NO: 1030-1-050-01  
 PROJECT: 1030  
 TITLE: MOTOR INTERFACE DRAWING  
 SHEET: 1 of 1

SCALE: NTS  
 UNITS: INCH

CAGE CODE: 3DRL5  
 THIRD ANGLE PROJECTION:

SURFACE FINISH: N/A

DRAWN BY: ADR  
 CHECKED BY: JPC  
 COG ENGINEER: DML

DATE: 08/11/11  
 DATE: 08/11/11  
 DATE: 08/11/11

DRAWING SYMBOLS & TOLERANCE PER ANSI Y14.5  
 UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES  
 TOLERANCES ARE:

DECIMALS	LINEAR	ANGULAR
X	±0.020	±1°
XX	±0.010	±0.2°
XXX	±0.005	±0.01°