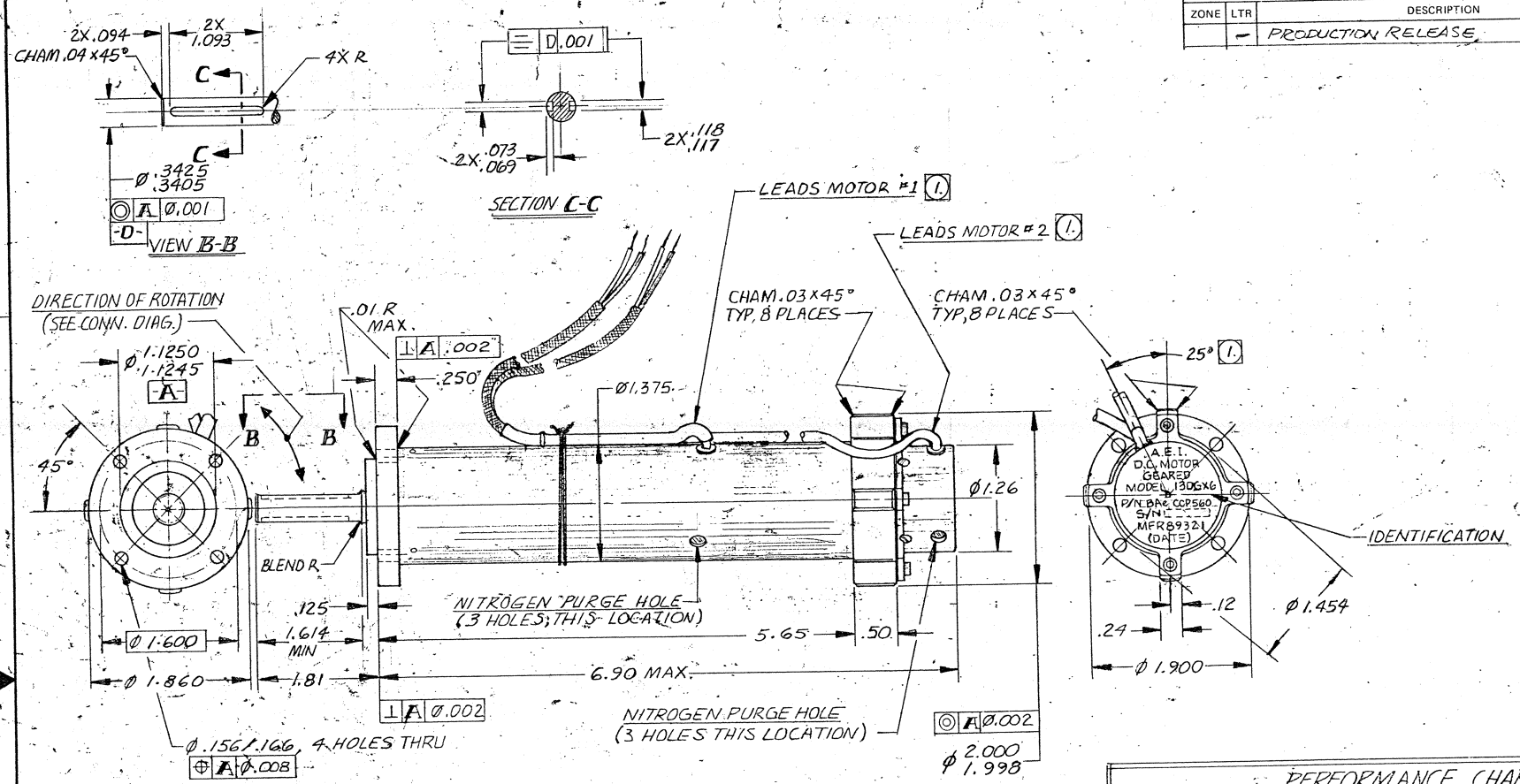
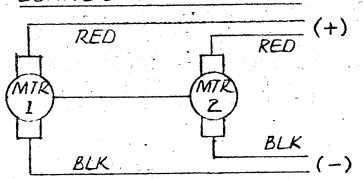
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	–	PRODUCTION RELEASE	9/02/14	



CONNECTION DIAGRAM



CONNECTIONS FOR CCW ROTATION FACING SHAFT.
FOR CW ROTATION REVERSE POLARITY

PERFORMANCE CHART @ 25°C

VDC	TORQUE IN-OZ		RPM			AMPS		COMMENTS
	MIN	NOM	MIN	NOM	MAX	NOM	MAX	
28	NO LOAD			40.0	44.3		.225	BOTH UNITS
28		180	30			.45		EITHER UNIT
28		360	30				.85	BOTH UNITS
28	900		— STALL —				1.96	EITHER UNIT
14	900		— STALL —				1.96	BOTH UNITS

DETENT TORQUE - AVERAGE: 120-240 OZ-IN SEE DETAIL SPEC.

6. THE WEIGHT OF THE UNIT SHALL NOT EXCEED 3.10 LBS

5. ENVIRONMENTS:
HUMIDITY: UP TO 60% NON-OPERATING
TEMPERATURE: -58° TO 185°F NON-OPERATING
-31° TO 185°F OPERATING
PRESSURE: 760 TORR MAX. TO 10^{-6} TORR. MIN.

4. SHAFT RADIAL PLAY NOT TO EXCEED .002 WITH A 2 LB LOAD APPLIED RADIALLY TO SHAFT.

3. SHAFT END PLAY TO BE .001 MAX. WITH 16 OZ REVERSING LOAD.

2.

1. LEADWIRES PER MIL-W-16878/4, TYPE-E, 22 GA, SHIELDED WITH TUBULAR BRAID PER QQ-P-575, 3FT-6IN LG. MIN., COLOR: RED AND BLACK, 2 PLACES.

NOTES: UNLESS OTHERWISE SPECIFIED

CONFIGURATION DOCUMENT

NEXT ASSY	USED ON	NEXT ASSY	FINAL ASSY
APPLICATION		QTY REQD	

QTY REQD	SYM	NOMENCLATURE OR DESCRIPTION	CODE IDENT NO.	PART OR IDENTIFYING NO.	SPECIFICATION	MATERIAL OR NOTE	ZONE	ITEM NO.

LIST OF MATERIAL

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONS DECIMALS ANGLES
± 1/64 .XX ±.01 ± 2°
.XXX ±.005
ALL MACHINED SURFACES REF. USAS B46.1
MATERIAL:
FINISH:

		DATE
DRAWN	T. MARTINEZ	9/02/14
CHECK		9/02/18
ENGINEER		9/02/18
APPROVED		
APPROVED		9/02/18
APPROVED		9/02/18
APPROVED		

AEI AMERICAN ELECTRONICS, INC.
1600 E. VALENCIA DRIVE, FULLERTON, CALIF.

TITLE
TANDEM D.C. MOTOR
WITH GEAR HEAD
(RATIO-112.73:1)

SIZE	CODE IDENT NO.	DWG NO.	REV
C	89321	13DGX6	–

SCALE FULL SHEET 1 OF 1

SIMILAR TO REPLACES W.O. NO. 52216-01

13DGX6

BISHOP GRAPHICS/ACCUPRESS
REORDER NO. A25069