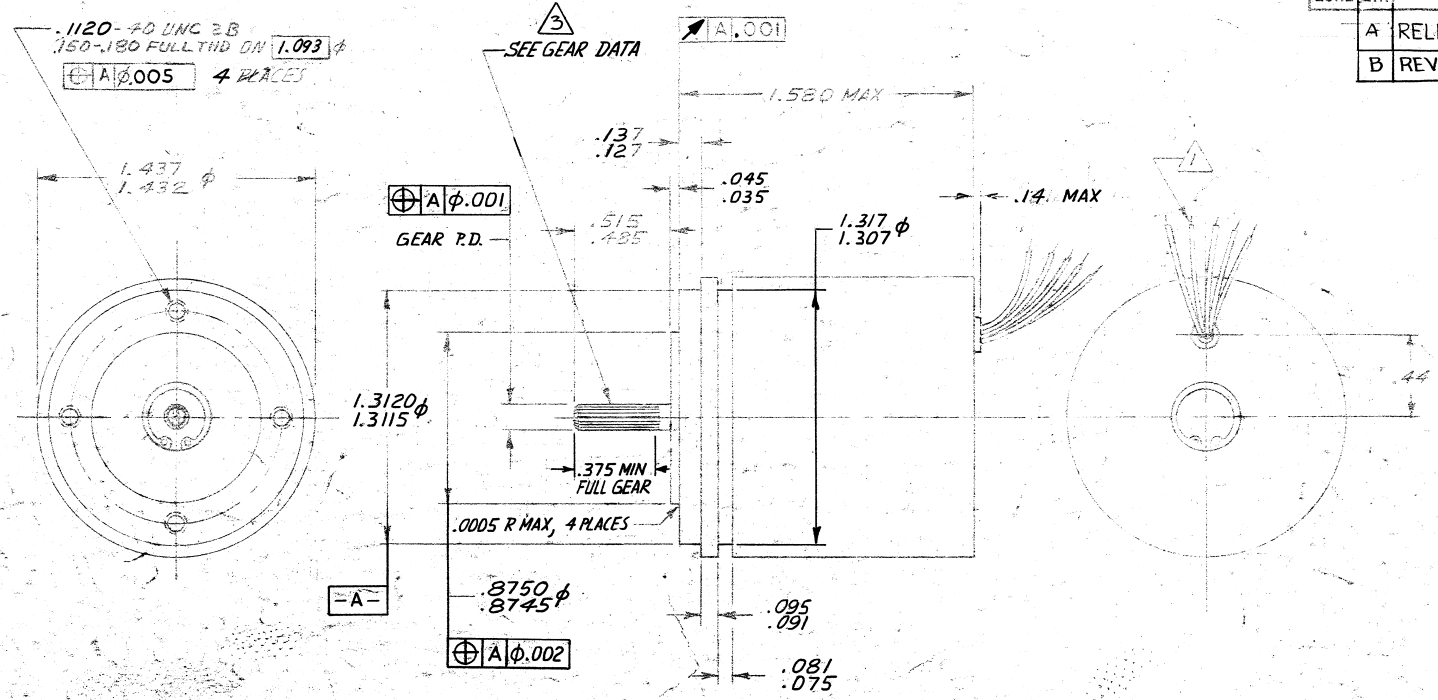
ZONE	LTR	DESCRIPTION	BY	DATE	APPROVED
	A	RELEASE FOR PRODUCTION	DG	1/10/81	KW
	B	REV'D PER ECO 34072	MG	7/10/84	[illegible]



PERFORMANCE DATA

VOLTAGE (VDC)	28
D.C. RESISTANCE (OHMS @ 25°C) WITHOUT EXCITATION	72±10%
STEP ANGLE (DEGREES)	45°
INPUT POWER (NOMINAL)	11.0
STALL TORQUE (IN-OZ) MIN	3.2
STEP RATE (MIN)	50 pps
DETENT TORQUE (IN.-OZ)	1.0±.4
RUNNING TORQUE (IN-OZ MIN) @ 25 pps	1.5
INDUCTANCE (MH. REF)	41.0

GENERAL DATA

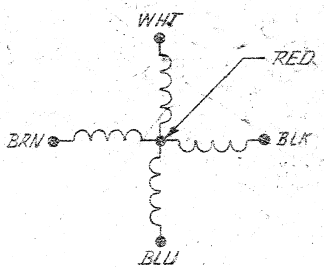
ROTOR MOMENT OF INERTIA (gm-cm²)	5.0
SHAFT RADIAL PLAY MEASURED 1/8 FROM BEARING WITH A 16 OZ REVERSING RADIAL LOAD APPLIED 1/4 FROM BEARING	0.001 MAX
SHAFT END PLAY MEASURED WITH A 16 OZ REVERSING AXIAL LOAD	.004 MAX
TEMPERATURE RANGE (DEGREES F)	-80° +198°
WEIGHT (OUNCES MAX)	8.5

SEQUENTIAL STEPPING INFORMATION

UNIT TO STEP C.W. VIEWED FROM MOUNTING END WHEN STEPPED AS FOLLOWS:

STEP	LEAD	
1	WHT	RED
2	BLK	RED
3	BLU	RED
4	BRN	RED

CIRCUIT DIAGRAM



3. GEAR DATA (MOTOR SHAFT)
NO. OF TEETH = 13 TEST PITCH RADIUS = .0542/.0530
DP = 120 O.D = .1247
PA = 20° AGMA QUALITY = 12 (390.03).

2. ALL VALUES ARE NOMINAL AT ROOM AMBIENT (25°C)

1. LEAD WIRES TO BE 28 AWG TEFLON COATED PER MIL-W-16878/6 (TYPE ET) 36 INCHES MINIMUM LENGTH (26 AWG ALT.)

NOTES: UNLESS OTHERWISE SPECIFIED,

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

LIST OF MATERIAL

NEXT ASSY	USED ON	NEXT ASSY	FINAL ASSY
	15TA35		
APPLICATION		QTY REQD	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONS DECIMALS ANGLES
± — .XX ± .03 ± 0°30'
.XXX ± .010
32 ALL MACHINED SURFACES REF. USAS B46.1

MATERIAL:
FINISH:

CONTRACT NO.

		DATE
DRAWN	S. POHLEY	2-5-79
CHECK	S. Pohley, R.G.B.	2-5-79
ENGINEER	[illegible]	2/5/79
APPROVED QA	[illegible]	1/23/81
APPROVED		
APPROVED	[illegible]	2/7/79
APPROVED		

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

TITLE CONFIGURATION COPY
STEPPER MOTOR, DIRECT CURRENT

SIZE	CODE IDENT NO.	DWG NO.	REV
C	89321	15TA35	B

SCALE 2:1 SHEET 1 OF 1

SIMILAR TO REPLACES W.O. NO. 58513-01