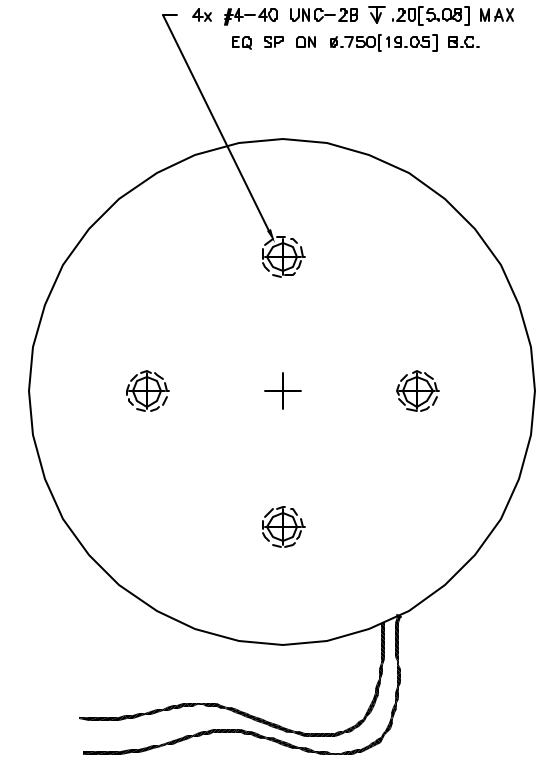
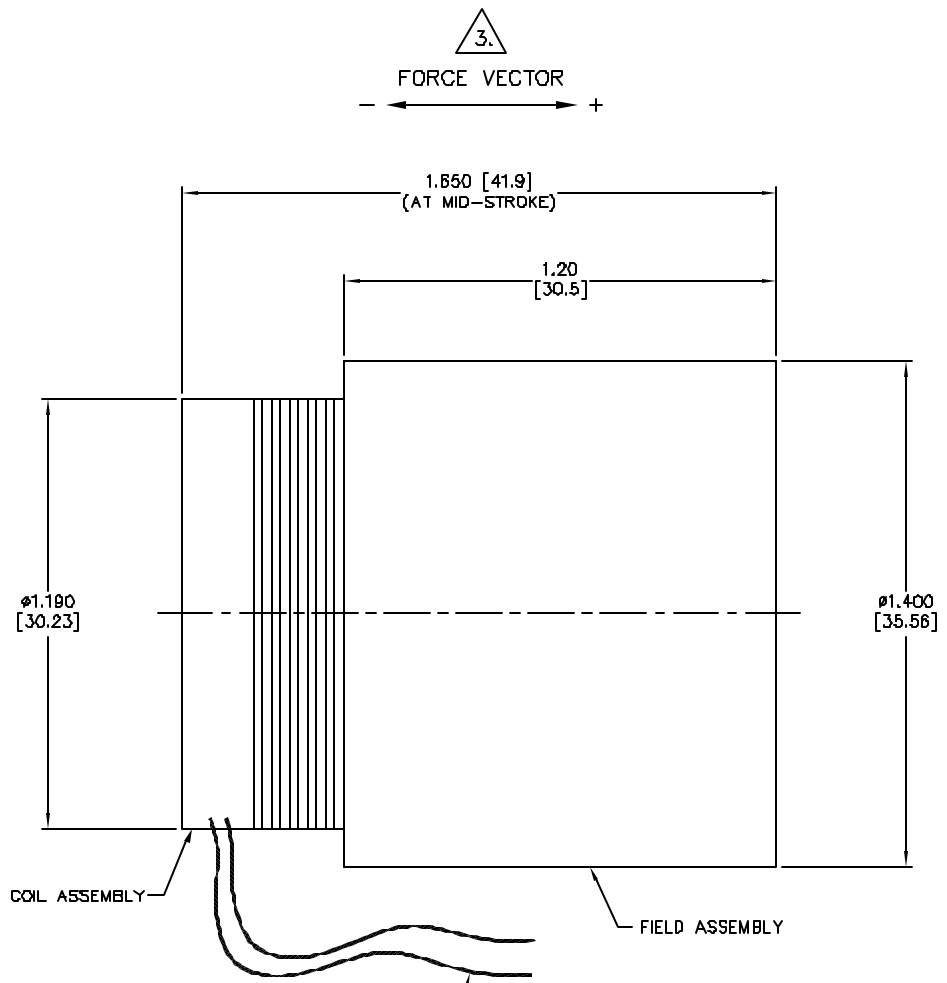
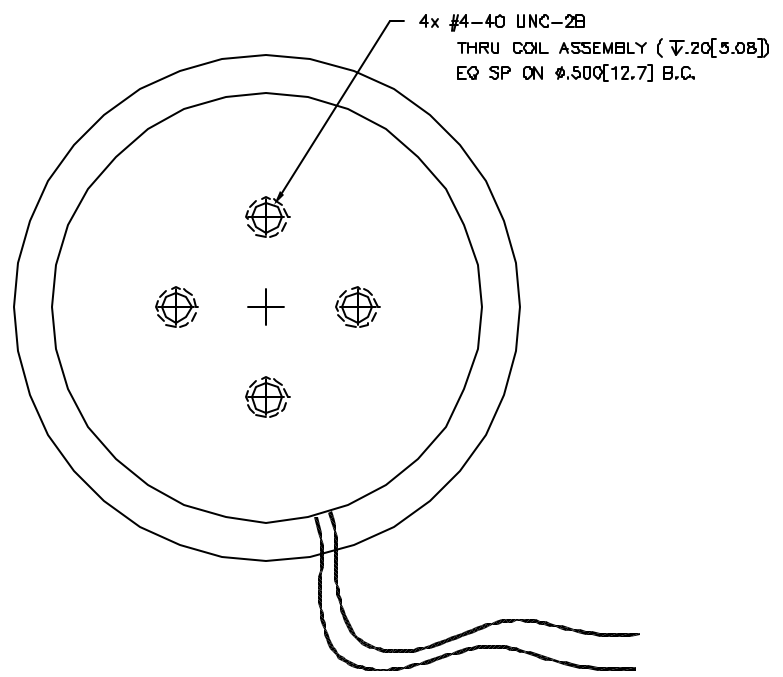


WINDING CONSTANTS	UNITS	TOL	SYMBOL	WDG A
DC RESISTANCE	OHMS	±12.5%	R	6.5
VOLTAGE @ Fp	VOLTS	NOMINAL	Vp	26.0
CURRENT @ Fp	AMPERES	NOMINAL	Ip	4.0
FORCE SENSITIVITY	LB/AMP	±10%	Kf	1.25
	N/AMP	±10%		5.56
BACK EMF CONSTANT	V/FT/SEC	±10%	Kb	1.70
	V/M/SEC	±10%		5.58
INDUCTANCE	MILLI-HENRY	±30%	L	1.07

ACTUATOR PARAMETERS	UNITS	SYMBOL	VALUE
PEAK FORCE *	LB	Fp	5.0
	N		22.2
CONTINUOUS STALL FORCE **	LB	Fcs	1.6
	N		7.1
ACTUATOR CONSTANT	LB/√WATT	Ka	0.49
	N/√WATT		2.18
ELECTRICAL TIME CONSTANT	MILLI-SEC	τe	.165
MECHANICAL TIME CONSTANT	MILLI-SEC	τm	4.3
POWER I²R @ Fp	WATTS	Pp	104
STROKE	± INCHES		0.200
	± MM		5.08
CLEARANCE ON EACH SIDE OF COIL	IN		0.033
	MM		0.84
THERMAL RESISTANCE OF COIL	°C/WATT	θTH	8.0
MAX. ALLOWABLE COIL TEMP.	°C	TEMP	155
WEIGHT OF COIL ASSEMBLY	OZ	WTc	0.72
WEIGHT OF FIELD ASSEMBLY	G	WTF	20.41
	OZ		6.4
	G		181.4

* 10 SECONDS AT 25°C AMBIENT, 155°C COIL TEMP
 ** 25°C AMBIENT & 155°C WINDING TEMPERATURE



LEAD WIRE: TEFLON TYPE E INSULATION
 #28 AWG
 12.0[305] MIN LONG
 2 PL
 (RED, BLACK)

3. A POSITIVE (+) VOLTAGE APPLIED TO THE RED LEAD WILL PRODUCE A FORCE ON THE COIL ASSEMBLY IN THE POSITIVE (+) DIRECTION.
- DIMENSIONS IN BRACKETS ARE MILLIMETERS [MM] AND ARE FOR REFERENCE ONLY
 - INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5 Y14.5M-1994.

NOTES: UNLESS OTHERWISE SPECIFIED

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	UNLESS OTHERWISE SPECIFIED: - ALL DIMENSIONS ARE IN UNITS - BREAK SHARP EDGES 3X MAX. - SURFACE BULKINESS $\sqrt{0}$ - DIMENSIONS APPLY AFTER FINISH - MAX FILLET R FILLET	DRAWN: N. FRENCH MECH CHECK: J. THOMPSON DATE: 9/3/98 DATE: 4/16/07	TITLE: LINEAR ACTUATOR	
	TOLERANCES: DECIMALS ANGULAR X + X XX ± XX XXX ± XXX DO NOT SCALE DRAWING	APP'D: A. MORCOS FILE NO.: LA14-17-000A	SIZE: D FSCM NO.: 55789 DWG NO.: LA14-17-000A	REV: C SHEET: 1 OF 1
	SCALE: 1/1			

LA14-17-000A C A