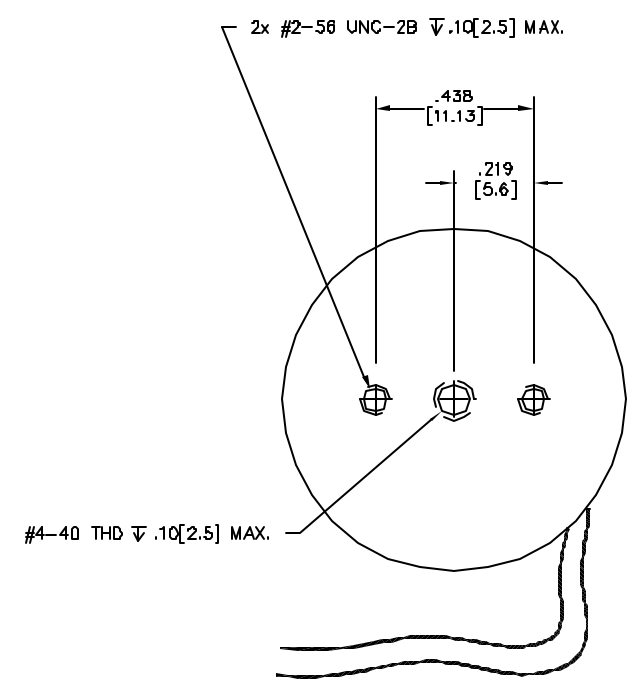
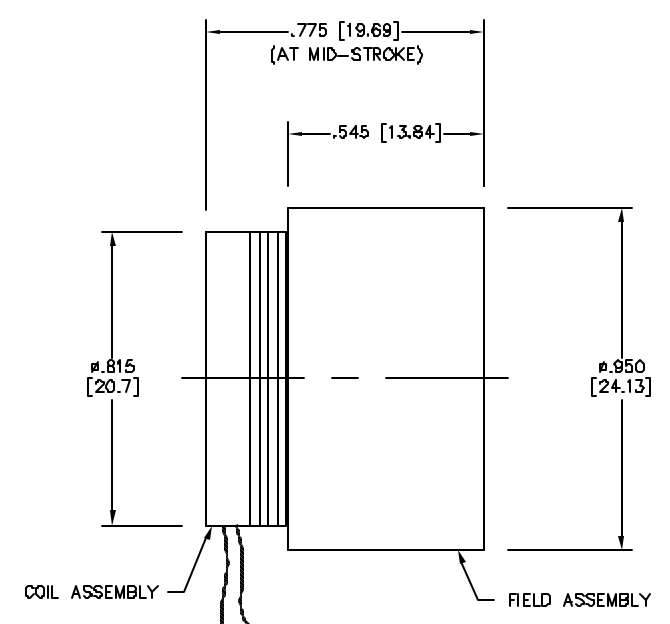
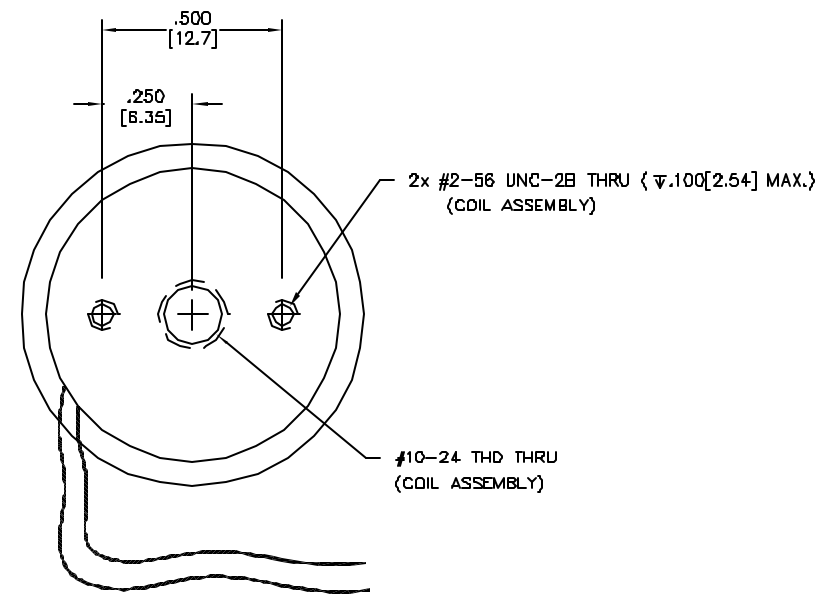
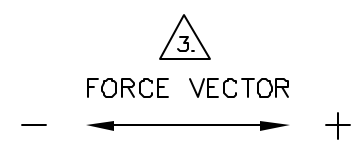


WINDING CONSTANTS *	UNITS	TOL	SYMBOL	WDG A
DC RESISTANCE	OHMS	±12.5%	R	9.9
VOLTAGE @ F _P	VOLTS	NOMINAL	V _P	18.3
CURRENT @ F _P	AMPERES	NOMINAL	I _P	1.85
FORCE SENSITIVITY	OZ/AMP	±10%	K _F	13.0
	N/AMP	±10%		3.61
BACK EMF CONSTANT	V/FT/SEC	±10%	K _B	1.10
	V/M/SEC	±10%		3.61
INDUCTANCE ****	MICRO-HENRY	±30%	L	600

CTR	ECD NO.	DESCRIPTION	DRN	APP'D	DATE
D	080159	ADD RoHS LOGO	SLM	MG	03/07/06
E	070211	CHGD UNITS FOR INDUCTANCE & ELECT. TIME CONST.	JWT	MG	5/02/07

ACTUATOR PARAMETERS *	UNITS	SYMBOL	VALUE
PEAK FORCE **	OZ	F _P	24.0
	N		6.7
CONTINUOUS STALL FORCE ***	OZ	F _{CS}	9.75
	N		2.7
ACTUATOR CONSTANT	OZ/√WATT	K _A	4.13
	N/√WATT		1.15
ELECTRICAL TIME CONSTANT	MICRO-SEC	τ _E	60.6
MECHANICAL TIME CONSTANT	MILLI-SEC	τ _M	5.3
POWER I ² R @ F _P	WATTS	P _P	33.7
STROKE	± INCHES		0.100
	± MM		2.54
CLEARANCE ON EACH SIDE OF COIL	IN		0.035
	MM		0.89
THERMAL RESISTANCE OF COIL	°C/WATT	θ _{TH}	15.5
MAX. ALLOWABLE COIL TEMP.	°C	TEMP	155
WEIGHT OF COIL ASSEMBLY	OZ	WT _C	0.247
WEIGHT OF FIELD ASSEMBLY	G	WT _F	7.0
	OZ		1.18
	G		32.89

* AT MID-STROKE & 25°C AMBIENT TEMPERATURE
 ** 10 SECONDS AT 25°C AMBIENT & 155°C COIL TEMPERATURE
 *** 25°C AMBIENT & 155°C COIL TEMPERATURE
 **** MEASURED AT 1000 Hz



LEAD WIRE: COONER AS-155-28
 2X #28 AWG
 12.0[305] MIN LONG
 (RED, BLACK)

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

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	UNLESS OTHERWISE SPECIFIED: -ALL DIMENSIONS ARE IN INCHES -BREAK SHARP EDGES .015 MAX. -SURFACE RELIABILITY >95% -DIMENSIONS APPLY AFTER FINISH -MAX FILLET R .315	DRAWN: N. FRENCH DATE: 12/17/98 MECH CHECK: QUERRERO DATE: 06/29/06	TITLE: LINEAR ACTUATOR	
	DECIMALS: X 4 .03 ANGULAR: 40° 30' XX ± .01 XXX ± .005 DO NOT SCALE DRAWING	APP'D: A. MORCOS DATE: 01/12/99 FILE NO.: L:\TOP LEVEL\LA10-08-000A	SIZE: D PSM NO.: 55789 DWG NO.: LA10-08-000A SCALE: 4/1	REV: E SHEET: 1 OF 1

LA10-08-000A E A