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REV.	BY	DATE	APPRVL.	P/N LCP15
C	DMS	1-12-98	BT	ADDED LCP15"T" CALLOUT.

ELECTRICAL

- RESISTANCE RANGE ---------- SEE CHART
- RESISTANCE TOLERANCE ---------- ±10%
- LINEARITY,INDEPENDENT ---------- SEE CHART
- RESOLUTION ---------- ESSENTIALLY INFINITE
- MINIMUM RESISTANCE ---------- 1 OHM OR 0.1%
- STROKE ---------- SEE CHART
- OUTPUT SMOOTHNESS ---------- <0.1% AGAINST INPUT VOLTAGE
- POWER RATING @40°C ---------- SEE CHART
- INSULATION RESISTANCE ---------- 1000 MEGOHMS AT 1000 VDC
- DIELECTRIC STRENGTH ---------- 1 MIN @ 1000VAC
- CONTACT RESIS. VARIATION ---------- BELOW 2% C.R.V.

MECHANICAL

- STROKE ---------- SEE CHART
- STOP STRENGTH ---------- 2.2 LBS.MIN.
- FRICTION ---------- BELOW 30 GRAMS
- LIFE ---------- 20,000,000 STROKES

ENVIRONMENTAL

- OPERATING TEMPERATURE RANGE -- 30°C TO 105°C
- TEMPERATURE COEFFICIENT ------ 400 PPM/°C
- VIBRATION ---------- 10Hz TO 2,000Hz 15G
- MOISTURE RESISTANCE ---------- 40°C 95%RH 120 HOURS
- SHOCK ---------- 50G 11mS

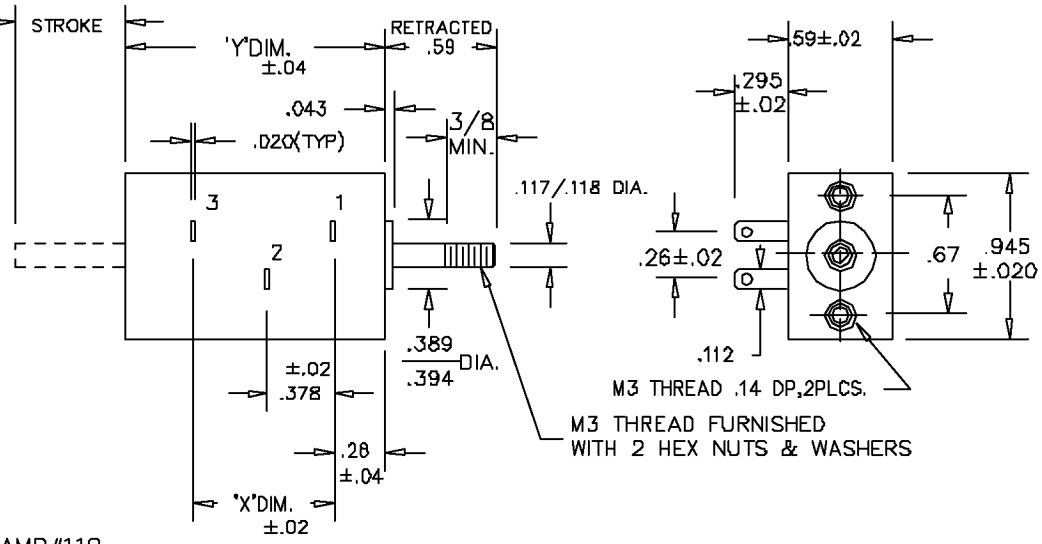
MATERIALS

- HOUSING ---------- THERMO-SETTING PLASTIC
- SHAFT ---------- STAINLESS STEEL
- TERMINALS ---------- GOLD PLATED
- RESISTIVE ELEMENT ---------- CONDUCTIVE PLASTIC

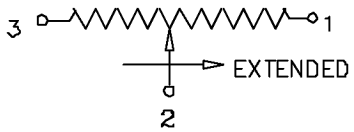
NON-STANDARD OPTIONS

- SPECIAL RESIS. & LINEARITY
- MACHINED SHAFTS
- SPRING RETURN

NOTE:
TERMINALS ACCEPT AMP#110 CONNECTORS.



SCHEMATIC



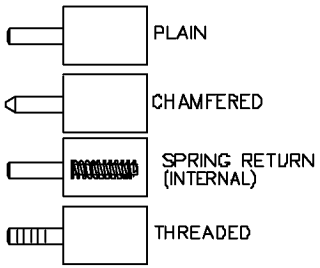
DIMENSION TABLE

DASH NO.	APPROX WEIGHT	MECHANICAL STROKE +.080-.000	ELEC. STROKE ±.020	RESIS. RANGE	LINEARITY STANDARD	LINEARITY PRECISION	'Y'	'X'	POWER RATING
-10	1 OZ.	.394	.394	500/10K	± 2%	±1%	1.46	.787	0.2 WATTS
-15	1 OZ.	.590	.590	500/10K	± 1%	±0.5%	1.46	.787	0.3 WATTS
-20	1 OZ.	.787	.787	500/10K	1%	0.5%	2.05	1.378	0.4 WATTS
-30	1 OZ.	1.181	1.181	500/10K	1%	0.5%	2.05	1.378	0.5 WATTS

MODEL NO'S.

- LCP15P-(STROKE)-(RES.) (P)
- LCP15C- " " (C)
- LCP15S- " " (S)
- LCP15T- " " (T)

SHAFT STYLES



TOLERANCES
XX = +/- .010" FRACT. = +/- 1/64"
XXX= +/- .005" ANGLES = +/- 1/2°
ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

SCALE	DATE:	11-6-88
NONE	BY	
	APPRV'D	BT
CODE IDENT: 19477		

ETI SYSTEMS CARLSBAD CALIFORNIA

TITLE
LINEAR MOTION POTENTIOMETER

PART NO.
LCP15

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