

**ELECTRICAL**

RESISTANCE RANGE ——— SEE CHART  
 RESISTANCE TOLER. ——— ±5%  
 NOISE ——— 100 OHM MAX  
 INSULATION RESISTANCE ——— 100 MEGOHMS AT 500 VDC  
 DIELECTRIC STRENGTH ——— 900VDC MIN  
 END RESISTANCE ——— 1 OHM OR 0.1% OF TOTAL

**MECHANICAL**

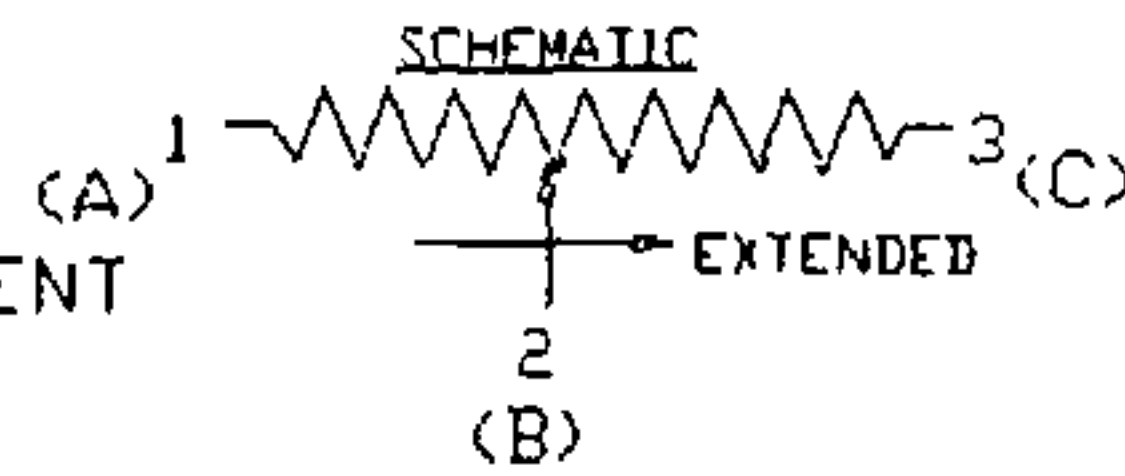
STOP STRENGTH ——— 10 LBS MIN  
 FRICTION ——— 52.91 OZ. MAX  
 LIFE ——— 2,000,000 STROKES MIN.  
 MARKING: ETI SYSTEMS  
 SCHEMATIC, DATE CODE, RESIS, LIN.  
 NATIONAL ORIGIN

**ENVIRONMENTAL**

OPERATING TEMPERATURE ——— -20°C TO +60°C

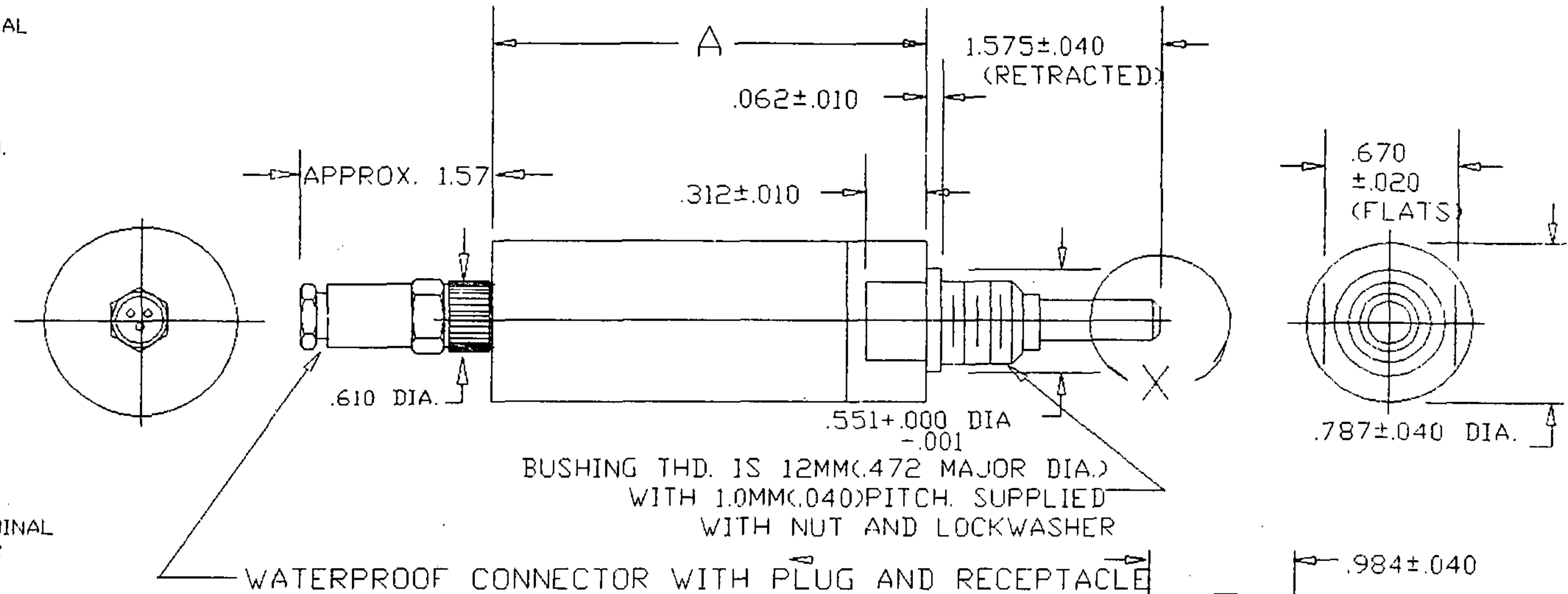
**NON-STANDARD OPTIONS**

RESIS. TOL ±3%  
 MACHINED SHAFTS  
 EXTRA TAP  
 HYBRID ELEMENT  
 CONDUCTIVE PLASTIC ELEMENT  
 SPECIAL LINEARITY

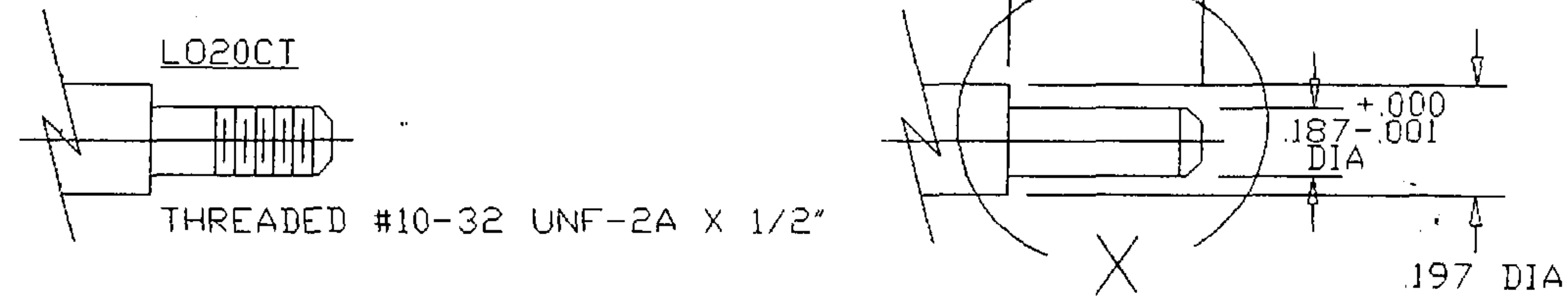


(A)(B)(C) REPRESENT TERMINAL CODES OF THE CONNECTOR

REV.	BY	DATE	PART NO.
C	BT	2-25-99	L020C
			ADDED THREADED OPTION



WATERPROOF CONNECTOR WITH PLUG AND RECEPTACLE



**RESOLUTION CHART**

RESISTANCE DASH NO.	POWER RATING	10	25	50	100	200	500	1K	2K	5K	10K	20K	50K
L020C-15	0.5W	1.3%	1.2%	.87%	.90%	.72%	.63%	.44%	.39%	.29%			
L020C-50	0.75W		.42%	.34%	.26%	.21%	.21%	.17%	.14%	.10%	.08%		
L020C-100	1.0W			.21%	.16%	.13%	.14%	.11%	.08%	.06%	.05%	.04%	
L020C-200	2.0W				.10%	.08%	.06%	.07%	.05%	.04%	.03%	.025	.018
TEMPERATURE COEFFICIENT		±80 PPM/°C					±20 PPM/°C						

WEIGHT	DASH NO.	MECHANICAL STROKE ±.06	ELECTRICAL STROKE ±.04	RESISTANCE RANGE=OHMS	LINEARITY ±.040
.3LB.	-15	.630	.590	10 - 5K	±1.0% 3.94
.3LB.	-50	2.087	1.968	25 TO 20K	±0.7% 5.315
.35LB.	-100	4.055	3.937	50 TO 20K	±0.5% 7.283
.70LB.	-200	7.992	7.874	100 TO 80K	±0.5% 11.220

**WIREWOUND RESISTANCE ELEMENT**

SCALE	NONE
DATE:	2-2-96
BY	DM
APPRV'D	
CODE IDENT:	19477

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**TITLE**  
 OIL FILLED LINEAR MOTION POTENTIOMETER

Precision Sales & Equipment Inc.  
 610-359-1002  
 FAX 610-353-1674  
**PART NO.**  
 L020C

**TOLERANCES**  
 XX = +/- .010" FRACT. = +/- 1/64"  
 XXX = +/- .005" ANGLES = +/- 1/2°