Property of Crystal Technologies

## CHARACTERISTICS:

| | |
|---|---|
| CONTACT ARRANGEMENT | S.P.D.T. |
| ACTUATION FORCE | 30 OZ. MAX. AT S.T.P. |
| RELEASE FORCE | 4 OZ. MIN. AT S.T.P. |
| PRETRAVEL | .008 MAX. |
| MOVEMENT DIFFERENTIAL | .005 MAX. |
| OVERTRAVEL | .002 MIN. |
| LIFE AT RATED LOAD | 25,000 CYCLES |
| AMBIENT TEMPERATURE RANGE | -85°F TO +275°F |
| DIELECTRIC STRENGTH ACROSS: | |
| OPEN TERMINALS | 800 VRMS |
| TERMINALS TO CASE | 1000 VRMS |
| VOLTAGE DROP AT 1 AMP | .040 PLUS .011 PER FOOT OF LEAD |
| SEAL | CLASS "5" HERMETIC PER MIL-S-8805 |
| MAX. ALLOWED LEAKAGE | 1 X 10-8 STD. CC HE/SEC. |
| BACKFILL | DRY NITROGEN (10% He TRACER GAS) |
| FORCE ALLOWED ON TOP OF ACTUATOR | 5 LBS. |

(K)

CURRENT CAPACITY (M)

| SEA LEVEL AND 70,000 FT. ALTITUDE | | |
|---|---|---|
| LOAD | 28 VOLTS DC | |
| RESISTIVE | 4 AMP | |
| INDUCTIVE | 1 AMP. | |
| LAMP | 2 AMP | |

SHOCK RESISTANCE
(WITHOUT CONTACT CHATTER) - 200 G'S
VIBRATION RESISTANCE ( 10-3000 HZ )
WITHOUT CONTACT CHATTER - 65 G'S
WEIGHT ---------- .16 OZ PLUS .10 OZ PER FT. OF WIRE
MILITARY EQUIVALENT PART NUMBER UNDER MIL-S-8805

| TI PART NO | MILITARY PART NO. |
|---|---|
| 10AT17-01 | M8805/68-023 |
| 10AT17-02-10 | M8805/68-024 |
| 10AT17-03-10 | M8805/68-025 |

(N)

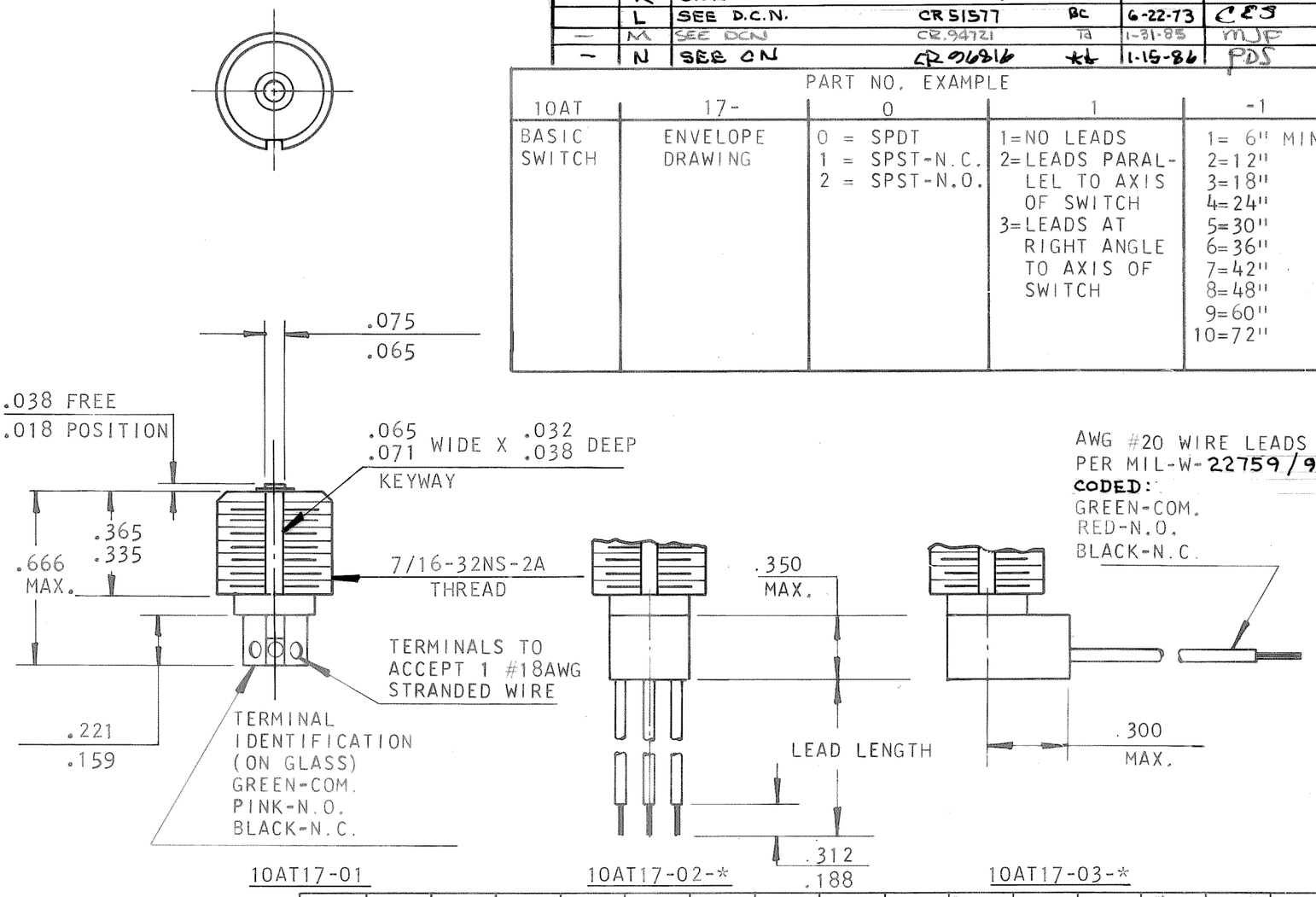
P MLL-W-22759/9, WAS MIL-W-16878 TYP EE CR M05844 O.K. 7-15-91 CF
R RESISTIVE WAS 7AMP CRM21201 RJM 10-12-95 JF
T MLL P/N WAS M8805/68-009,-010,-011 RJM 1-17-96 JF CRM25154
U ZONE D4 OVERTRAVEL WAS .003; PAF ECN 35777 DS NOV-2005

REVISIONS

| ZONE | LTR | DESCRIPTION | DATE | APPROVED |
|---|---|---|---|---|
| — | H | REVISED & REDRAWN C.R. 27653 J.P. | 8-5-69 | E.W. / WB |
| — | J | SEE C.N. CR45174 PB | 7-21-71 | E.W. / WB |
| — | K | SEE C.N. CR47948 HH | 5-11-72 | |
| | L | SEE D.C.N. CR51577 BC | 6-22-73 | CES |
| — | M | SEE DCN CR.94721 TA | 1-31-85 | MJF |
| — | N | SEE CN CR96816 KK | 1-15-86 | PDS |

PART NO. EXAMPLE

| 10AT | 17- | 0 | 1 | -1 |
|---|---|---|---|---|
| BASIC SWITCH | ENVELOPE DRAWING | 0 = SPDT<br>1 = SPST-N.C.<br>2 = SPST-N.O. | 1=NO LEADS<br>2=LEADS PARALLEL TO AXIS OF SWITCH<br>3=LEADS AT RIGHT ANGLE TO AXIS OF SWITCH | 1= 6" MIN.<br>2=12"<br>3=18"<br>4=24"<br>5=30"<br>6=36"<br>7=42"<br>8=48"<br>9=60"<br>10=72" |




10AT17-01 10AT17-02-* 10AT17-03-*

*SEE LEAD LENGTH TABLE

Q13 P18 P3-2

| | | |
|---|---|---|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | BY J. PEARSON | DATE 8-5-69 |
| TOLERANCE ON FRACTIONS DECIMALS ANGLES | CH. E. Whipple | 8-15-69 |
| MATERIAL | ENG. E. Whipple | 8-15-69 |
| | APPROVED A Barlanger | |

TEXAS INSTRUMENTS INCORPORATED
ATTLEBORO, MASSACHUSETTS, U.S.A.
KLIXON® CONTROL PRODUCTS DIVISION

TITLE: HERMETICALLY SEALED S.P.S.T. OR S.P.D.T. SWITCH THREADED MOUNT ENVELOPE DRAWING

| SIZE | CODE IDENT NO. | |
|---|---|---|
| B | 82647 | 10AT17 |
| SCALE 2:1 | | SHEET |

THIS DWG SUPERSEDES 10AT17 REV. G, 1-2-69

K+E PHOENIX® TRACING CLOTH B. L. M. INC. 76833