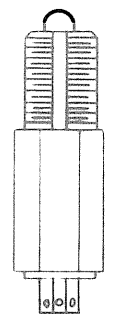


Property of  
Sensata Technologies



ACTUAL SIZE

MILITARY EQUIVALENT PART NUMBERS UNDER MIL-S-8805

T.I. PART NO. 10AT76-02-10  
10AT76-03-10  
MILITARY PART NO. M8805/73-015  
M8805/73-016

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
-	-	1 <sup>ST</sup> ISSUE	8/1/68	JF / HS
A	-	WAS 3/8 HEX. BODY	7-3-73	D.S.
B	-	SEE D.C.N. CR 48585	12-18-73	A.F.
C	-	SEE C.N. CR 55474	7-12-74	D.S.
D	-	SEE D.C.N. CR 76921	9-25-78	JF

PART NUMBER EXAMPLE				
10AT	76	2	1	-10
BASIC SWITCH	ENVELOPE CONFIGURATION	0 = SPDT 1 = SPST-N.C. 2 = SPST-N.O.	1 = NO LEADS 2 = LEADS PARALLEL TO AXIS OF SWITCH 3 = LEADS AT RIGHT ANGLE TO AXIS OF SWITCH	1 = 6" MIN. 2 = 12" 3 = 18" 4 = 24" 5 = 30" 6 = 36" 7 = 42" 8 = 48" 9 = 60" 10 = 72"

**CHARACTERISTICS**

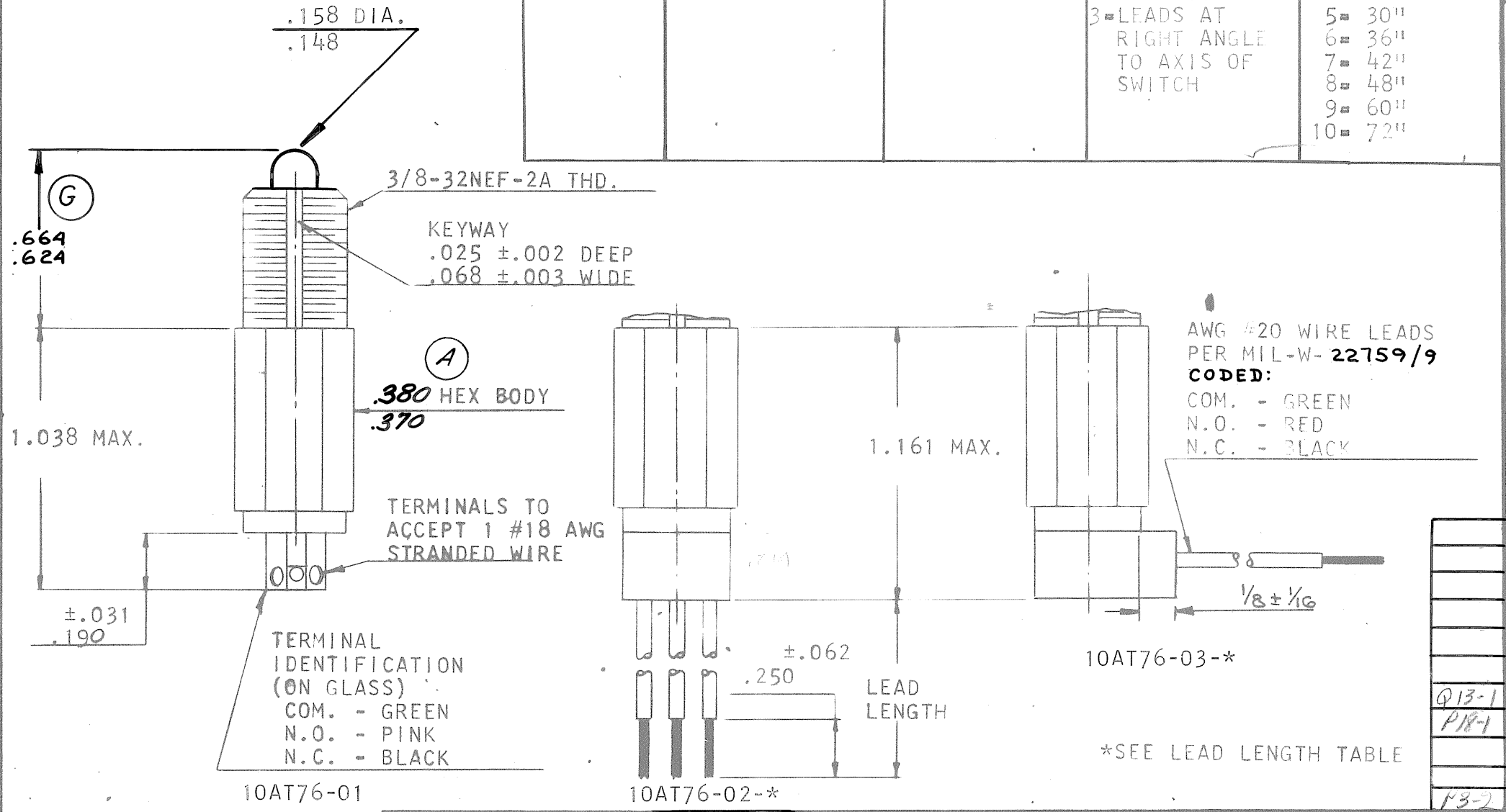
CONTACT ARRANGEMENT-----S.P.D.T.  
 ACTUATION FORCE-----6.5 LBS. MAX.  
 RELEASE FORCE-----1.5 LBS. MIN.  
 PRETRAVEL-----.020 MAX.  
 MOVEMENT DIFFERENTIAL-----.010 MAX.  
 OVERTRAVEL-----.125 MIN.  
 LIFE AT RATED LOAD-----25,000 CYCLES  
 AMBIENT TEMP. RANGE----- -85°F TO +275°F  
 MAX. ALLOWED APPLIED FORCE TO ACTUATOR-----30 LBS.  
 DIELECTRIC STRENGTH ACROSS OPEN TERMINALS----- 800 VRMS (5 SEC.)  
 TERMINALS TO CASE-----1000 VRMS (5 SEC.)  
 MILLIVOLT DROP----- .040 VOLTS AT 1 AMP.  
 SEAL-----CLASS "5" HERMETIC PER MIL-S-8805B  
 MAX. ALLOWED LEAKAGE-----1X10<sup>-8</sup> STD. CC HE/SEC  
 BACKFILL-----DRY NITROGEN

**CURRENT CAPACITY**

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 55-2000 CPS (WITHOUT CONTACT CHATTER)-----65 G'S  
 WEIGHT (WITHOUT LEADS) 21.4 GRAMS  
 MOUNTING HARDWARE STANDARD ON ALL SWITCHES

ITEM	REQ'D.	DESCRIPTION
HEX NUT	(2)	MS21340-03
INTERNAL LOCKWASHER	(1)	MS35333-42
KEYWASHER	(1)	SIMILAR TO MS25081 EXCEPT .390 I.D. AND .032 THK.



K	MIL P/N WAS M8805/73-011-012 CRM25154 RJM 1-17-96	JF
J	RESISTIVE WAS TAMP CRM21201 RJM 10-16-95	JF
H	MIL-W-22759/9 WAS MIL-W-16878 TYPE EE CRM05844 D.C. 7-15-91.	CF
G	".664/.624" WAS ".695/.640" CRM03124 CF 5-22-90	CF
F	SEE C.N. CR 96816 1-15-86	PJM
E	SEE CN CR 94721 1-31-85	MJF

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	BY <i>K. Nelson</i>	DATE <i>8/1/68</i>
TOLERANCE ON FRACTIONS DECIMALS ANGLES	CH.	
MATERIAL	ENG <i>R. Pucchi</i>	DATE <i>8-13-68</i>
APPROVED	<i>H. Bouloger</i> 8/15/68	

METALS & CONTROLS INC. ATTLEBORO, MASSACHUSETTS USA A CORPORATE DIVISION OF <b>TEXAS INSTRUMENTS</b> INCORPORATED CONTROL PRODUCTS GROUP			
HERMETICALLY SEALED S.P.D.T. SWITCH ENVIRONMENTALLY SEALED PLUNGER ACTUATED ENVELOPE DRAWING			
SIZE	CODE IDENT NO.	<b>10AT76</b>	
<b>B</b>	<b>82647</b>		
SCALE: "E" 1"			SHEET