

SPECIFICATIONS

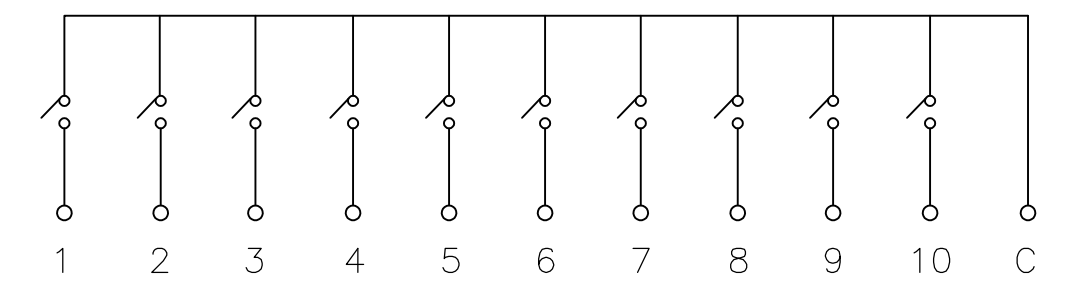
**MATERIALS:**  
 CASE, PPS UL94V-0, BLACK  
 COVER, PBT UL94V-0, BLACK  
 ACTUATOR, 46 NYLON UL94V-0, WHITE  
 TERMINAL/FIXED CONTACT-COPPER ALLOY- GOLD OVER NICKEL PLATE  
 MOVING CONTACT-COPPER ALLOY- GOLD FLASH OVER NICKEL PLATE

**ELECTRICAL:**  
 RATING- 1a max non-switching  
 0.1µA (1mV) min switching  
 DC 5V 10mA  
 INITIAL CONTACT RESISTANCE- 50milliohm max. (300 milliohms after test)  
 INSULATION RESISTANCE- 100Megohms min. at 100V DC  
 DIELECTRIC STRENGTH- 300V RMS@SEA LEVEL  
 LIFE EXPECTANCY- 1,000 CYCLES

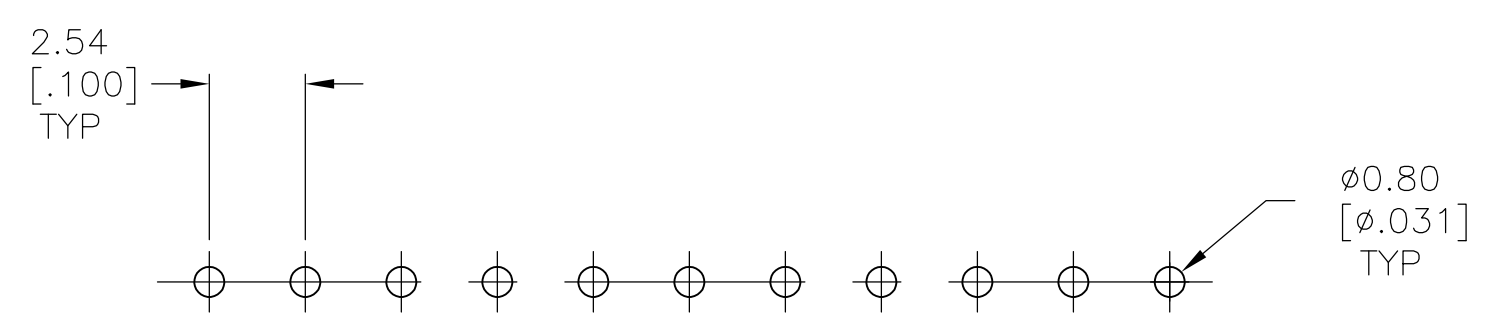
**MECHANICAL:**  
 ACTUATION FORCE- 2.45 +/-1.47N (245 +/-147 GF)  
 TRAVEL- 33°

**ENVIRONMENTAL:**  
 OPERATING TEMPERATURE- -30 TO +85 DEGREES C  
 STORAGE TEMPERATURE- -45 TO +100 DEGREES C  
 RESISTANCE TO SOLDER HEAT- 265 +/-3°C for 8 +/-2 seconds  
 SOLDERABILITY PER JIS-C-0050 & JIS-C-0053

- 1 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)
- 2 SWITCH SUPPLIED IN THE "OFF" POSITION AND SHOULD BE SOLDERED IN THE "OFF" POSITION.



CIRCUIT DIAGRAM



P.C. LAYOUT

1, 2, 10 & C	25.40 (1.000)	28.60 (1.126)	STV10	1977104-5
1, 2, 8, & C	20.32 (.800)	23.52 (.926)	STV08	1977104-4
1, 2, 6 & C	15.24 (.600)	18.44 (.726)	STV06	1977104-3
ALL	10.16 (.400)	13.36 (.526)	STV04	1977104-2
ALL	5.08 (.200)	8.28 (.326)	STV02	1977104-1
KINKED TERMINALS	DIM P	DIM L	T&B P/N	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN M. BINNER 16MAY07		Tyco Electronics Corporation Harrisburg, PA 17105-3608	
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		Tyco Electronics	
0 PLC ± -		1 PLC ± -		NAME M. S. SARVER	
1 PLC ± -		2 PLC ± 0.30[.012]		PRODUCT SPEC	
2 PLC ± -		3 PLC ± -		APPLICATION SPEC	
3 PLC ± -		4 PLC ± -		SIZE CAGE CODE DRAWING NO	
4 PLC ± -		ANGLES ± -		A1 00779 C=1977104	
MATERIAL SEE SPECIFICATIONS		FINISH -		RESTRICTED TO	
		WEIGHT -		CUSTOMER DRAWING	
		SCALE 5:1		SHEET 1 OF 1 REV B	