

**SPECIFICATIONS**

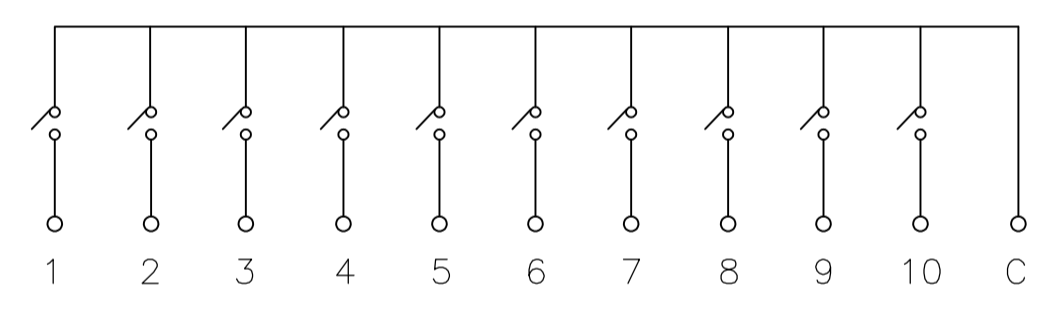
**MATERIALS:**  
 CASE, PPS UL94V-0, BLACK  
 COVER, PBT UL94V-0, BLACK  
 ACTUATOR, 46 NYLON UL94V-0, WHITE  
 TERMINAL/FIXED CONTACT- COPPER ALLOY- GOLD OVER NICKEL PLATE  
 MOVING CONTACT- COPPER ALLOY- GOLD FLASH OVER NICKLE PLATE

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

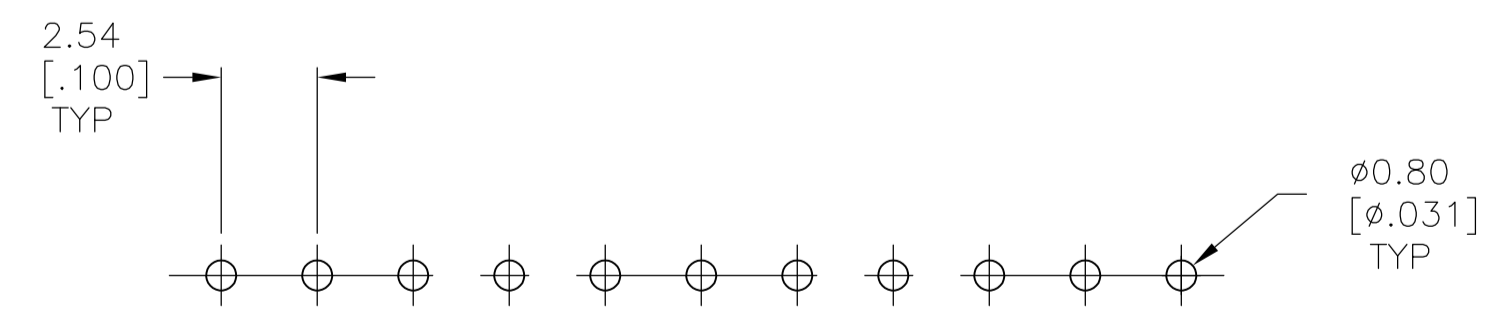
**MECHANICAL:**  
 ACTUATION FORCE- 2.45 +/-1.47N (245 +/-145 GF)  
 TRAVEL- 33°

**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 POSITIONS 2,4,6,8 & 10 SUPPLIED IN THE "ON" POSITION. CUSTOMER IS LIABLE FOR ANY ELECTRICAL OR MECHANICAL PROBLEMS CAUSED BY SOLDERING IN THE "ON" POSITION.
- △3 SUPPLIED WITH SPECIAL MARKING AS SHOWN
- △4 MARK "STV91455F" ON THIS SURFACE



CIRCUIT DIAGRAM



P.C.LAYOUT

STV91455F	1977106-1
ALCO P/N	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DN M. BINNER 03MAY07	Tyco Electronics Corporation Harrisburg, PA 17105-3608
DIMENSIONS: mm [INCHES]		CHK M. SARVER 03MAY07	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APP'D M. SARVER 03MAY07	NAME
0 PLC ± -	1 PLC ± -	PRODUCT SPEC	
2 PLC ± 0.30[.012]	3 PLC ± -	APPLICATION SPEC	
4 PLC ± -	ANGLES ± -	SIZE CASE CODE DRAWING NO	
MATERIAL SEE SPECIFICATIONS	FINISH -	WEIGHT -	A1 00779 C=1977106
CUSTOMER DRAWING		SCALE 5:1	SHEET 1 OF 1 REV B