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LOC	DIST
AD	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	ECO-07-009055	16MAY07	MB	MS

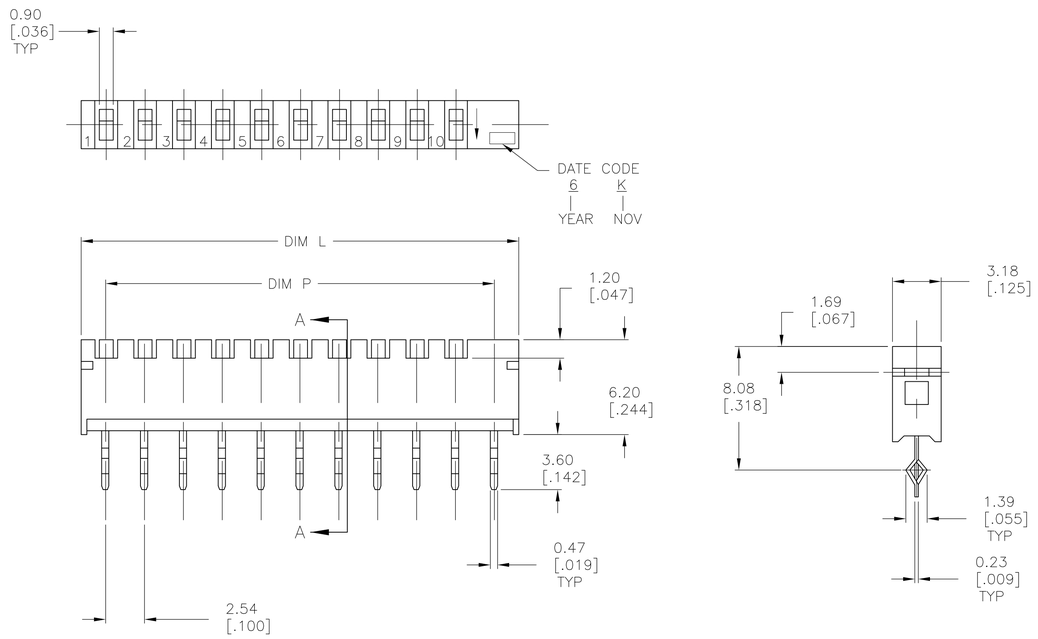
SPECIFICATIONS

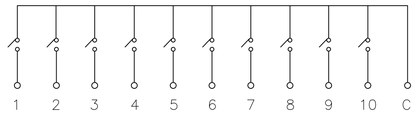
MATERIALS:
CASE, PPS UL94V-0, BLACK
COVER, PBT UL94V-0, BLACK
ACTUATOR, 46 NYLON UL94V-0, WHITE
TERMINAL/FIXED CONTACT- COPPER ALLOY- GOLD OVER NICKEL PLATE
MOVING CONTACT- COPPER ALLOY- GOLD FLASH OVER NICKEL PLATE

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





CIRCUIT DIAGRAM

P.C.LAYOUT

NOTES:

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.

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.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± 0.30[.012]
3 PLC ± -
4 PLC ± -
ANGLES ± -

MATERIAL: SEE SPECIFICATIONS
FINISH: -

DWN M.BINNER 16MAY07
CHK M S SARVER -
APVD - -
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

Tyco Electronics
Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME: SIP SWITCH (SXV02 - 10 SERIES) -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-1977104	-

CUSTOMER DRAWING | SCALE 5:1 | SHEET 1 OF 1 | REV A