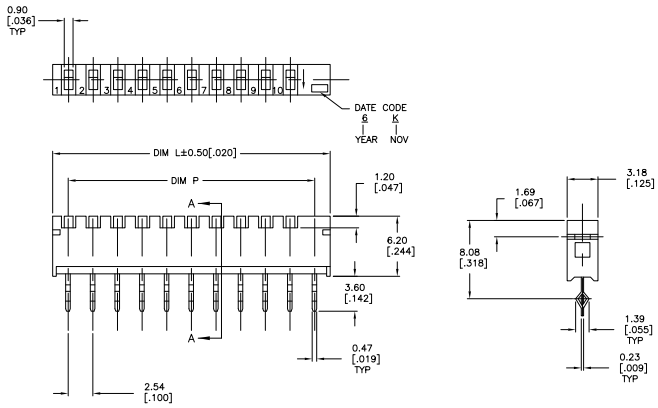
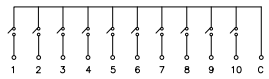
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION -.-.-
© COPYRIGHT - BY TYCO ELECTRONICS CORPORATION. ALL INTERNATIONAL RIGHTS RESERVED.

UOC	DIST
AD	OO

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REVISED PER ECO-08-023819	25SEP08	HMR	MS





CIRCUIT DIAGRAM

P.C.LAYOUT

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- 3.5°

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.

KINKED TERMINALS	DIM P	DIM L	T&B P/N	PART NUMBER
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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]
TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± 0.38[.015]
3 PLC ± -
4 PLC ± -
ANGLES ± -
FINISH -
MATERIAL SEE SPECIFICATIONS

TEMPLATE
DRN M.BINNER
CHK M. S. SARVER
APVD -
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME SIP SWITCH
(STV02 - 10 SERIES)

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

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

4805 (1/98)

Downloaded from Elcodis.com electronic components distributor