

8

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1

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TE Connectivity

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
B	REVISED	PER ECO-08-023819	25SEP08	HMR	MS
C	REVISED	PER ECO-17-001607	16MAY2017	RK	PO

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.

0.90
[.036]
TYP

1

2

3

4

5

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7

8

9

10

DATE CODE
6 K
YEAR NOV

DIM L±0.50[.020]

DIM P

1.20
[.047]

6.20
[.244]

3.60
[.142]

0.47
[.019]
TYP

2.54
[.100]

A

A

8.08
[.318]

1.69
[.067]

3.18
[.125]

1.39
[.055]
TYP

0.23
[.009]
TYP

CIRCUIT DIAGRAM

1

2

3

4

5

6

7

8

9

10

C

2.54
[.100]
TYP

Ø0.80
[Ø.031]
TYP

P.C.LAYOUT

OBSOLETE	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.

DWN
M. BINNER

CHK
M. S. SARVER

APVD

16MAY07

DIMENSIONS:
mm [INCHES]

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± 0.30[.012]

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH -

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

NAME

SIP SWITCH
(STV02 - 10 SERIES)

SIZE
A1

CAGE CODE
00779

DRAWING NO
1977104

RESTRICTED TO

SCALE
5:1

SHEET
1

OF
1

REV
C

TE Connectivity

4805 (1/15)

Mouser Electronics

Authorized Distributor

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