

8

7

6

5

4

3

2

1

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LOCAD

DISTOO

REV

DESCRIPTION

DATE

DWN

APVD

REVISED

PER

ECO-08-023819

25SEP08

HMR

MS

0.90
[.036]
TYP

1

2

3

4

5

6

7

8

9

10

DATE CODE

6K

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

1.69
[.067]

8.08
[.318]

3.18
[.125]

1.39
[.055]
TYP

0.23
[.009]
TYP

1

2

3

4

5

6

7

8

9

10

C

CIRCUIT DIAGRAM

2.54
[.100]
TYP

⊙

⊙

⊙

⊙

⊙

⊙

⊙

⊙

⊙

⊙

⊙

⌀0.80
[⌀.031]
TYP

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- 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.

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]

0 PLC ± -

1 PLC ± -

2 PLC ± 0.30[.012]

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH -

0.00

0.01

0.02

0.03

0.04

0.05

0.06

0.07

0.08

0.09

0.10

0.12

0.15

0.20

0.25

0.30

0.35

0.40

0.45

0.50

0.60

0.70

0.80

0.90

1.00

1.20

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

11.00

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85.00

86.00

87.00

88.00

89.00

90.00

91.00

92.00

93.00

94.00

95.00

96.00

97.00

98.00

99.00

100.00

DWN M. BINNER

CHK M. S. SARVER

APVD

NAME

PRODUCT SPEC

APPLICATION SPEC

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

WEIGHT

CUSTOMER DRAWING

SCALE 5:1

SHEET 1 OF 1

REV B

Tyco Electronics

Tyco Electronics Corporation

Harriaburg, PA 17105-3608

SIP SWITCH

(STV02 - 10 SERIES)

100779

1977104

4805 (1/08)