

8

7

6

5

4

3

2

1

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LOCAD

DISTOO

REV F

LTR

DESCRIPTION

DATE

DWN

APVD

B

REVISED

PER

ECO-08-023819

25SEP08

HMR

MS

0.90
[.036]
TYP

1

2

3

4

5

6

7

8

9

10

DATE CODE
6 K
YEAR NOV

DIM L ±0.50 [.020]

DIM P

A

1.20
[.047]

6.20
[.244]

3.60
[.142]

0.47
[.019]
TYP

2.54
[.100]

1

2

3

4

5

6

7

8

9

10

C

CIRCUIT DIAGRAM

1

2

3

4

5

6

7

8

9

10

C

2.54
[.100]
TYP

⊙

⊙

⊙

⊙

⊙

⊙

⊙

⊙

⊙

⊙

⊙

⌀0.80
[⌀.031]
TYP

P.C.LAYOUT

3.18
[.125]

1.69
[.067]

8.08
[.318]

1.39
[.055]
TYP

0.23
[.009]
TYP

1

2

3

4

5

6

7

8

9

10

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.

DWN
M. BINNER
CHK
M. S. SARVER
APVD

16MAY07

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

DIMENSIONS:
mm [INCHES]

0 PLC ± -
1 PLC ± -
2 PLC ± 0.30[.012]
3 PLC ± -
4 PLC ± -
ANGLES ± -

⊙

⊙

MATERIAL
SEE SPECIFICATIONS

FINISH
-

WEIGHT
-

CUSTOMER DRAWING

PRODUCT SPEC
APPLICATION SPEC
SIZE
CAGE CODE
DRAWING NO
RESTRICTED TO

A1

00779

1977104

1

1

B

4805 (1/08)