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B

A

SPECIFICATIONS:  
MATERIALS:

CASE: GLASS FILLED PPS, UL94V-0 BROWN  
COVER: STEEL, TIN OVER NICKEL PLATE  
ACTUATOR BUTTON: SEE TABLE - UL94V-0  
MOVING CONTACT: COPPER ALLOY, SILVER CLAD  
MOVING CONTACT: (1571563-1,-2,-7&-8), STAINLESS STEEL,  
AG CLAD OVER NICKEL  
FIXED CONTACT/TERMINAL, COPPER ALLOY-SILVER OVER  
NICKEL PLATE

ELECTRICAL:  
CONTACT RATING: 50mA AT 12 VDC, 1 VA MAX.,  
(RESISTIVE LOAD).  
INITIAL CONTACT RESISTANCE: 100 MILLIOHMS MAX.  
INSULATION RESISTANCE: 100 MEGOHMS AT 100 VDC MIN.  
DIELECTRIC STRENGTH: 500 VAC 50/60 Hz FOR 1 MINUTE.  
LIFE EXPECTANCY: (SEE TABLE)

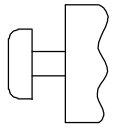
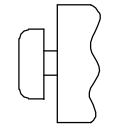
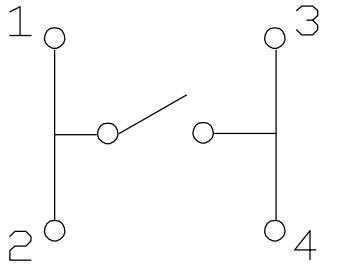
MECHANICAL:  
ACTUATION FORCE: (SEE TABLE)  
ACTUATION TRAVEL: .010 +.008/-0.004 [0.25+0.20/-0.10]

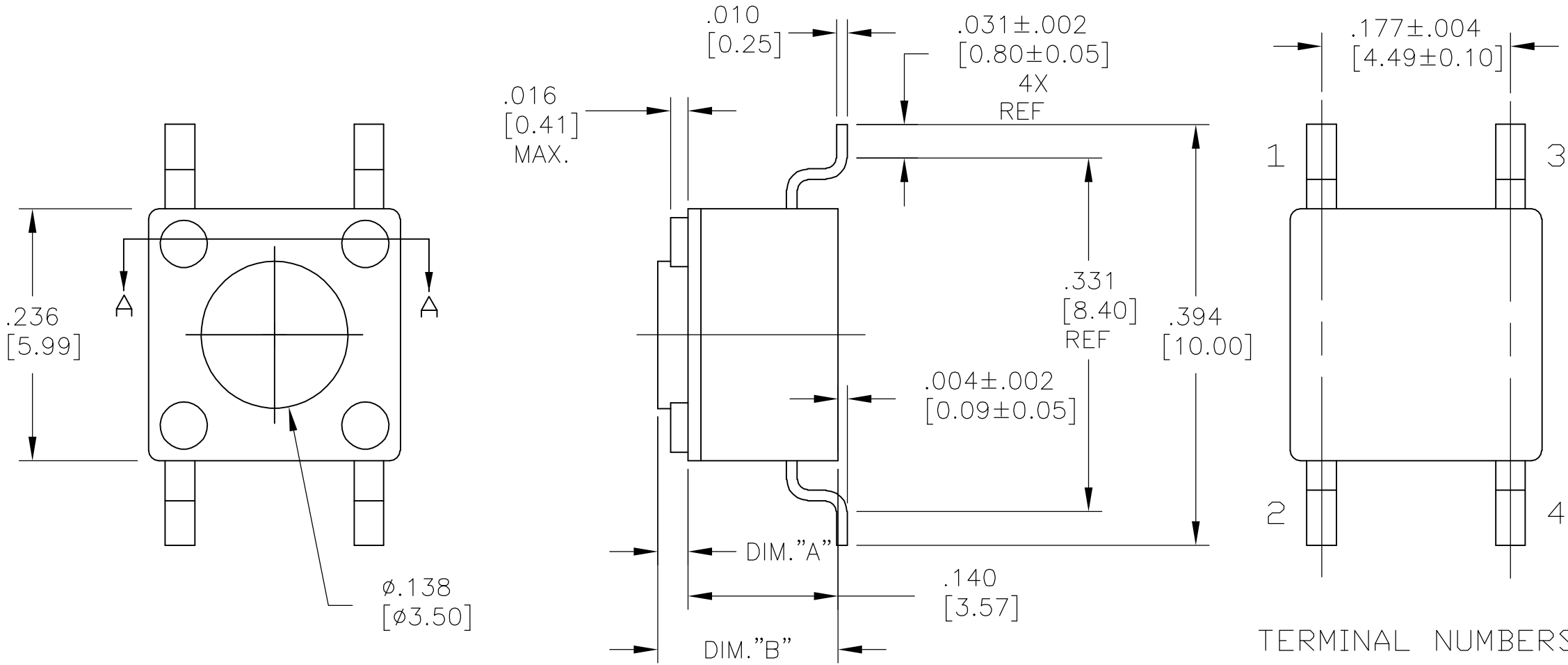
ENVIRONMENTAL:  
OPERATING TEMPERATURE: -35°C TO +85°C  
STORAGE TEMPERATURE: -30°C TO +80°C  
RESISTANCE TO SOLDER HEAT PER 109-201, CONDITION B

SOLDERABILITY:  
SPECIFICATION EIA-364-52, CLASS 1, CATEGORY 2

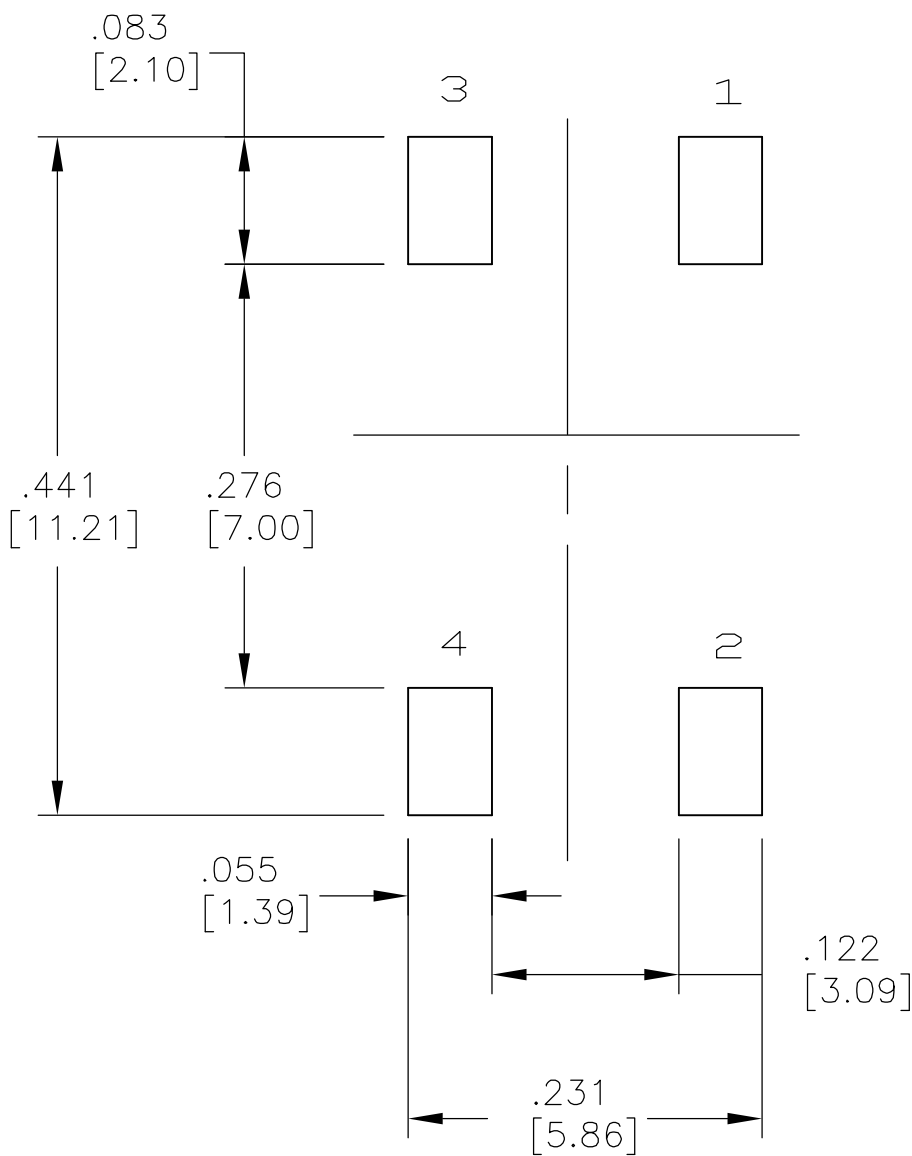
NOTES:

1. TAPE AND REEL PACKAGING PER EIA 481.  
2. ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU  
DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)

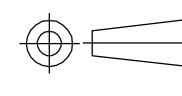
| < >-INDICATES MOMENTARY POSITION                                                      |                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| CIRCUIT CHARACTERISTICS                                                               |                                                                                       |                                                                                       |
| CONTACT POSITION                                                                      | CIRCUIT DIAGRAM                                                                       |                                                                                       |
|  |  |  |
| OFF                                                                                   | &ltON><br>1 - 3<br>2 - 4                                                              |                                                                                       |



FSM2JSMA AS SHOWN



DIM B (.276 [7.01]) AND LONGER MODELS

|                                                                                       |                                                                                                                                                     |                               |                                |                                                                                                                                                 |                                                                   |                             |                        |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------|------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |                                                                                                                                                     | DWN<br>D.SARKISIAN<br>04MAY04 |                                |  Tyco Electronics Corporation<br>Harrisburg, Pa 17105-3608 |                                                                   |                             |                        |
| DIMENSIONS:<br>INCHES [mm]                                                            |                                                                                                                                                     | CHK<br>D.SARKISIAN<br>4-22-94 |                                |                                                                                                                                                 |                                                                   |                             |                        |
|  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:<br><br>0 PLC ± -<br>1 PLC ± -<br>2 PLC ± -<br>3 PLC ± .012 [0.31]<br>4 PLC ± .0005 [0.012]<br>ANGLES ± 1° |                               | APVD<br>D.SARKISIAN<br>4-22-94 |                                                                                                                                                 | NAME<br><br>MICRO MINIATURE PUSHBUTTON<br>SWITCH FSM JSM<br><br>- |                             |                        |
|                                                                                       |                                                                                                                                                     |                               | PRODUCT SPEC<br><br>-          |                                                                                                                                                 |                                                                   |                             |                        |
|                                                                                       |                                                                                                                                                     |                               | APPLICATION SPEC<br><br>-      |                                                                                                                                                 |                                                                   |                             |                        |
|                                                                                       |                                                                                                                                                     |                               | -                              |                                                                                                                                                 |                                                                   |                             |                        |
| MATERIAL<br><br>-                                                                     | FINISH<br><br>-                                                                                                                                     | WEIGHT<br><br>-               |                                | SIZE<br>A2                                                                                                                                      | CAGE CODE<br>00779                                                | DRAWING NO<br>C=2-1437565-7 | RESTRICTED TO<br><br>- |
|                                                                                       |                                                                                                                                                     | CUSTOMER DRAWING              |                                |                                                                                                                                                 | SCALE<br>NTS                                                      | SHEET<br>1                  | OF<br>2                |

4

3

2

1

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LOC

DIST

AD

00

P

LTR

DESCRIPTION

DATE

DWN

APVD

—

—

SEE SHEET 1

—

—

—

100,000

WHITE

Nylon

260±50g

12 MM

24 MM

.512±.010 [13.00±0.10]

.370±.004 [9.40±0.10]

FSM14JSMAATR

1571563-6

100,000

WHITE

Nylon

260±50g

.512±.010 [13.00±0.10]

.370±.004 [9.40±0.10]

FSM14JSMAA

1571563-5

100,000

BROWN

Nylon

100±50g

.512±.010 [13.00±0.10]

.370±.004 [9.40±0.10]

FSM14JSML

1-1571563-0

100,000

WHITE

Nylon

260±50g

12 MM

24 MM

.374±.004 [9.50±0.10]

.232±.004 [5.89±0.10]

FSM8JSMAATR

1-1571563-4

100,000

WHITE

Nylon

260±50g

.374±.004 [9.50±0.10]

.232±.004 [5.89±0.10]

FSM8JSMAA

1-1571563-3

100,000

BLACK

PPS

160±50g

12 MM

24 MM

.374±.004 [9.50±0.10]

.232±.004 [5.89±0.10]

FSM8JSMATR

1571563-9

100,000

BLACK

PPS

160±50g

.374±.004 [9.50±0.10]

.232±.004 [5.89±0.10]

FSM8JSMA

3-1437566-8

100,000

WHITE

Nylon

260±50g

12 MM

24 MM

.276±.004 [7.01±0.10]

.134±.004 [3.40±0.10]

FSM6JSMAATR

1-1571563-2

100,000

WHITE

Nylon

260±50g

.276±.004 [7.01±0.10]

.134±.004 [3.40±0.10]

FSM6JSMAA

1-1571563-1

100,000

BLACK

PPS

160±50g

12 MM

24 MM

.276±.004 [7.01±0.10]

.134±.004 [3.40±0.10]

FSM6JSMATR

5-1437565-0

100,000

BLACK

PPS

160±50g

.276±.004 [7.01±0.10]

.134±.004 [3.40±0.10]

FSM6JSMA

4-1437565-9

1,000,000

VIOLET

Nylon

70±30g

12 MM

16 MM

.196±.010 [4.98±0.25]

.055±.004 [1.40±0.10]

FSM4JSMXLTR

1571563-2

1,000,000

VIOLET

Nylon

70±30g

.196±.010 [4.98±0.25]

.055±.004 [1.40±0.10]

FSM4JSMXL

1571563-1

100,000

WHITE

Nylon

260±50g

12 MM

16 MM

.196±.010 [4.98±0.25]

.055±.004 [1.40±0.10]

FSM4JSMAATR

1571563-4

100,000

WHITE

Nylon

260±50g

.196±.010 [4.98±0.25]

.055±.004 [1.40±0.10]

FSM4JSMAA

1571563-3

100,000

BLACK

PPS

160±50g

12 MM

16 MM

.196±.010 [4.98±0.25]

.055±.004 [1.40±0.10]

FSM4JSMATR

4-1437565-2

100,000

BLACK

PPS

160±50g

.196±.010 [4.98±0.25]

.055±.004 [1.40±0.10]

FSM4JSMA

4-1437565-1

1,000,000

BLUE

PPS

100±30g

12 MM

16 MM

.196±.010 [4.98±0.25]

.055±.004 [1.40±0.10]

FSM4JSMLTR

1571563-8

1,000,000

BLUE

PPS

100±30g

.196±.010 [4.98±0.25]

.055±.004 [1.40±0.10]

FSM4JSML

1571563-7

100,000

WHITE

Nylon

260±50g

12 MM

16 MM

.169±.006 [4.29±0.15]

.028±.004 [0.71±0.10]

FSM2JSMAATR

2-1437565-9

100,000

WHITE

Nylon

260±50g

.169±.006 [4.29±0.15]

.028±.004 [0.71±0.10]

FSM2JSMAA

2-1437565-8

100,000

BLACK

PPS

160±50g

12 MM

16 MM

.169±.006 [4.29±0.15]

.028±.004 [0.71±0.10]

FSM2JSMATR

3-1437565-0

100,000

BLACK

PPS

160±50g

.169±.006 [4.29±0.15]

.028±.004 [0.71±0.10]

FSM2JSMA

2-1437565-7

200,000

BROWN

PPS

100±50g

12 MM

16 MM

.169±.006 [4.29±0.15]

.028±.004 [0.71±0.10]

FSM2JSMLTR

1571527-2

200,000

BROWN

PPS

100±50g

.169±.006 [4.29±0.15]

.028±.004 [0.71±0.10]

FSM2JSML

1571527-1

Life Cycle

Actuator Color

Actuator Material

Actuation Force

PITCH

TAPE WIDTH

DIM B

DIM A

T&B P/N

Tyco P/N

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

INCHES [mm]

MATERIAL

—

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± —

1 PLC ± —

2 PLC ± —

3 PLC ± .012 [0.31]

4 PLC ± .0005 [0.012]

ANGLES ± 1°

FINISH

—

DWN

D.SARKISIAN

04MAY04

CHK

D.SARKISIAN

4-22-94

APVD

D.SARKISIAN

4-22-94

PRODUCT SPEC

—

APPLICATION SPEC

—

WEIGHT

—

CUSTOMER DRAWING

Tyco Electronics Corporation

Harrisburg, Pa 17105-3608

NAME

MICRO MINIATURE PUSHBUTTON SWITCH FSM JSM

—

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A2

00779

C=2-1437565-7

—

SCALE

NTS

SHEET

2

OF

2

REV

R1

2-1437565-7

B

A

AMP 3307-7 REV 31MAR2000