



BOURNS®

Features

- 8 or 10 position coded switch
- Miniature industrial switch multi-position
- Vertical adjust
- Rugged surface mount design
- Rugged lead frame construction

Applications

- Board address
- Instrumentation
- Test equipment

7744 SMD 4 mm Square Sealed Coded Switch

Electrical Characteristics

Contact Rating
Maximum Current100 mA max.
Maximum Voltage16 V
Contact Resistance
.....100 milliohms max.
Insulation Resistance1000 megohms
Dielectric Strength250 volts

General Characteristics

Switch TypeBinary
Operating Temperature Range
.....-55 °C to +125 °C
Storage Temperature Range
.....-55 °C to +125 °C
Seal Test85 °C Fluorinert*

Mechanical Characteristics

Positions8 or 10
Adjustment Detent Torque
.....0.1-2.5 N-cm

Environmental Characteristics

Shock100 G
.....0.1 ms. max. discontinuity
Vibration20 g
.....0.1 ms. max. discontinuity
Thermal Shock (5 cycles)
.....-55 °C to +125 °C
Contact Resistance
.....100 milliohms max.
Humidity
Insulation Resistance
.....10 megohms min.
Contact Resistance
.....100 milliohms max.
Actuation Life1,000 steps
Contact Resistance
.....100 milliohms max.
Maximum Soldering Heat245 °C,
5 seconds
Standard Packaging
TubeJ, G = 50 pcs./tube
H = 100 pcs./tube
Tape & Reel500 pcs./reel

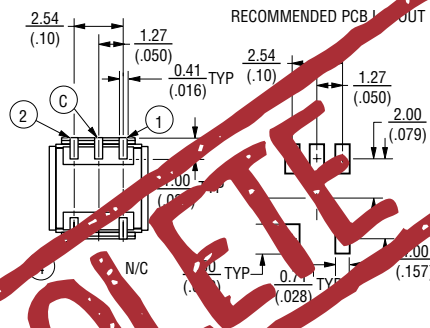
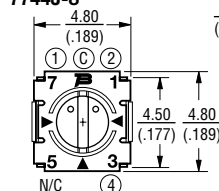
How to Order

7744 J - 1 - 008 E

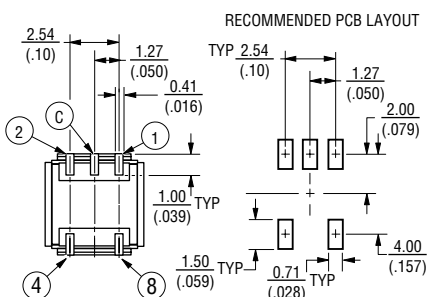
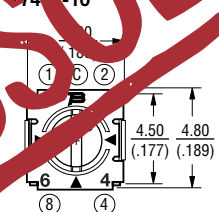
Model _____
Terminal _____
Switch Type _____
1 = Standard
Number of Positions _____
008 = Binary coded octal
010 = Binary coded decimal
Embossed Tape Option _____
(Omit letter for tube)

Product Dimensions

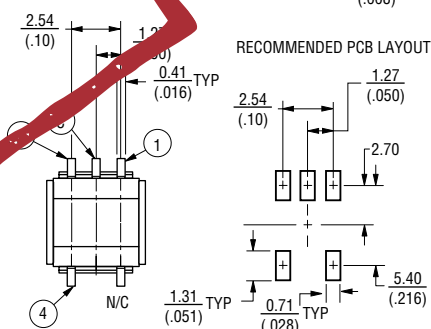
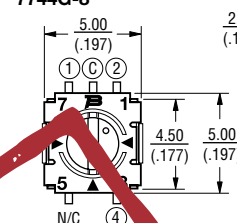
7744J-8



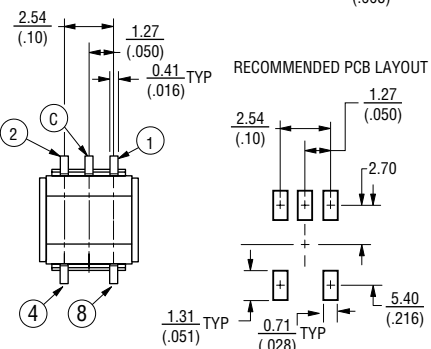
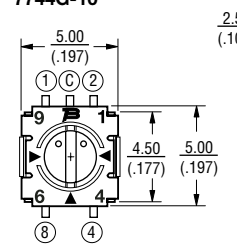
7744J-10



7744G-8



7744G-10



TOLERANCES: ±.2 EXCEPT WHERE NOTED.

DIMENSIONS: MM
(IN)

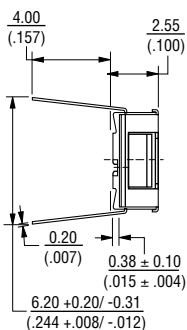
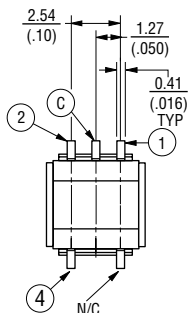
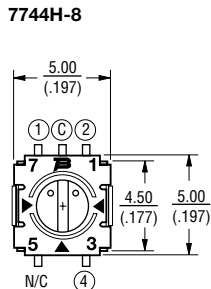
*"OFF" POSITION IS COMMON.

7744 SMD 4 mm Square Sealed Coded Switch

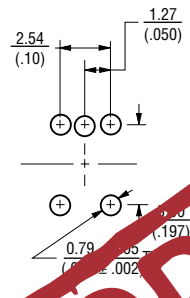
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Product Dimensions

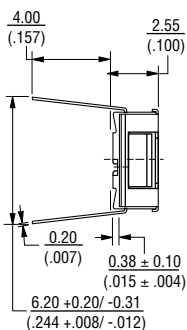
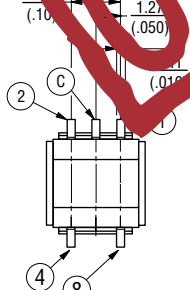
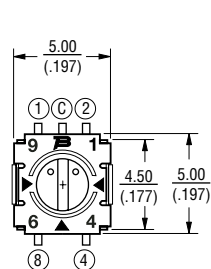
7744H-8



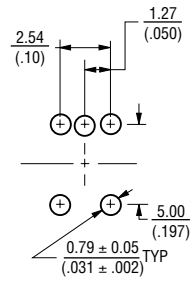
RECOMMENDED PCB LAYOUT



7744H-10

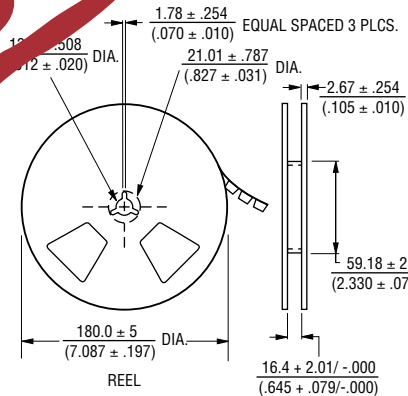
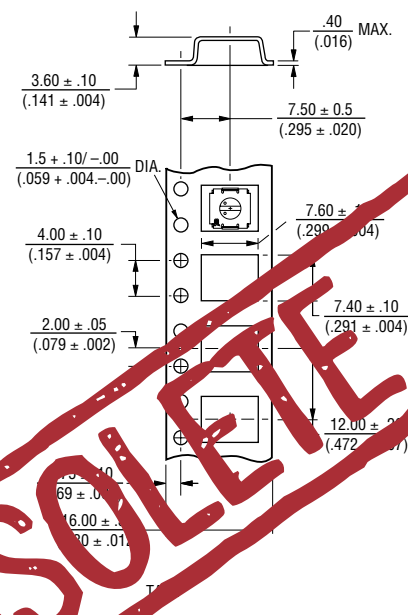


RECOMMENDED PCB LAYOUT

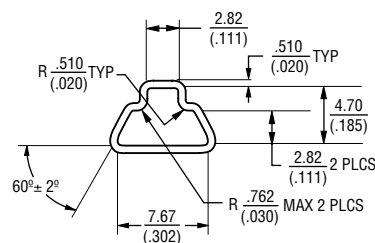


Packaging Specifications

7744J&G

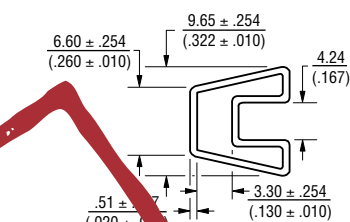


Meets EIA 481



Packaging Specifications

7744H



TUBE LENGTH - 525MM
UNITS PACKAGE 1000 PIECES PER TUBE.

Binary (REAL) Code

10 POSITIONS (Binary Coded Decimal)

	1	2	4	8	C
0					X
1	X				X
2		X			X
3	X	X			X
4			X		X
5	X		X		X
6		X	X		X
7	X	X	X		X
8				X	X
9	X			X	X

8 POSITIONS (Binary Coded Octal)

	1	2	4	C
0				X
1	X			X
2		X		X
3	X	X		X
4			X	X
5	X		X	X
6		X	X	X
7	X	X	X	X

X = CONNECTION

Reflow Soldering Profile

