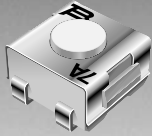


\*RoHS COMPLIANT



**BOURNS®**

**Features**

- Compatible with most surface mount soldering processes
- Compatible with popular vacuum pick-and-place equipment
- J-hook, gull-wing & pinned configurations
- Sealed for board washing
- Meets EIA/EIAJ/IPC/VRCI SMD standard outline dimensions
- Top or side actuated
- RoHS compliant \*

**7914 4 mm SMD & Through-hole Sealed Key Switch**

**Electrical Characteristics**

Contact Rating  
 Maximum Current .....100 mA max.  
 Maximum Voltage .....16 V  
 Contact Resistance .....100 milliohms max.  
 Insulation Resistance ...100 megohms min.  
 Dielectric Strength .....250 VAC

**General Characteristics**

Switch Type .....Normally open  
 Operating Temperature Range  
 .....-55 °C to +125 °C  
 Storage Temperature Range  
 .....-55 °C to +125 °C  
 Seal Test .....85 °C Fluorinert†  
 Vibration .....20 G  
 Shock .....100 G

**Mechanical Characteristics**

Actuator Force .....300 ± 100 g  
 Pushover Strength (S Style)  
 .....2 kilograms minimum  
 Cycle life, loaded .....100,000 actuations  
 Contact resistance .....100 milliohms max.

**Physical Characteristics**

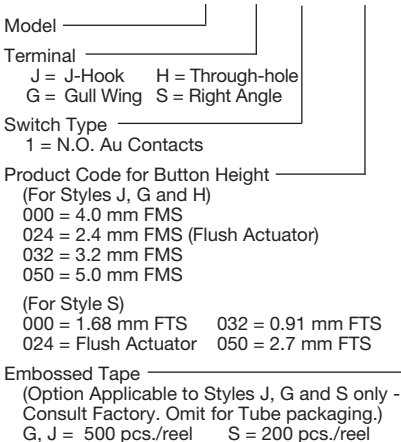
Cover Material .....Stainless steel  
 Base Material .....Thermoplastic, UL94V-0  
 Terminal Material .....Phosphor bronze  
 Dome Material .....Stainless steel  
 Actuator Material .....High temperature  
 silicon rubber  
 Marking .....Manufacturer's code  
 and date code

**Packaging Options**

J & G .....500 pcs./reel; 50 pcs./tube  
 S .....200 pcs./reel; 100 pcs./tube  
 H .....50 pcs./tube

**How to Order**

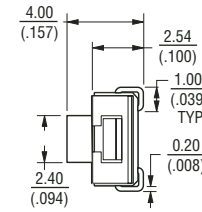
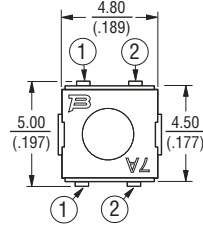
**7914 J - 1 - 000 E**



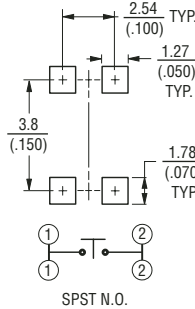
FMS = From Mounting Surface  
 FTS = From Top Surface

**Product Dimensions**

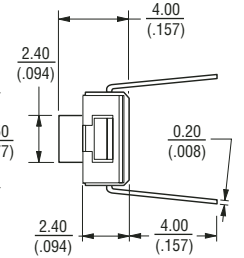
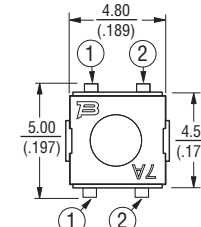
**7914J  
J-Hook**



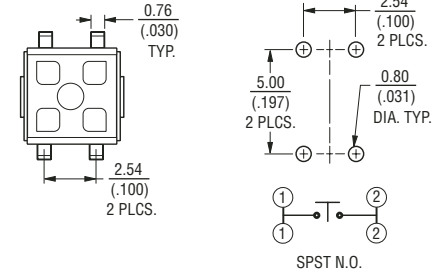
RECOMMENDED PCB LAYOUT



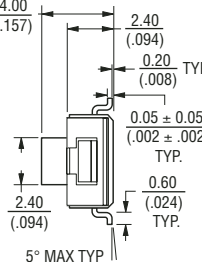
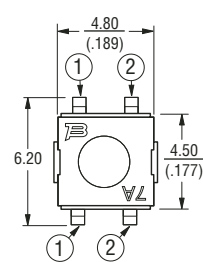
**7914H  
Through-hole**



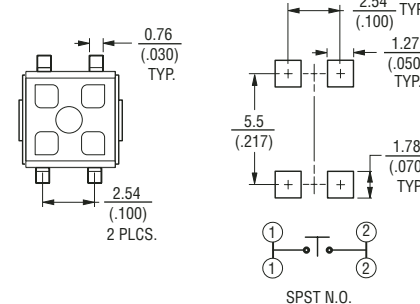
RECOMMENDED PCB LAYOUT



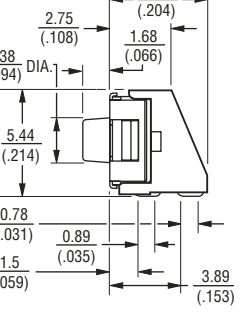
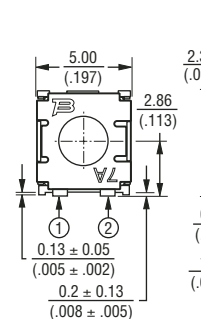
**7914G  
Gull Wing**



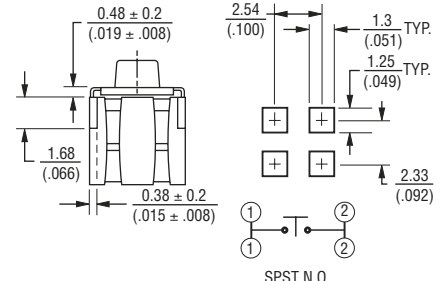
RECOMMENDED PCB LAYOUT



**7914S  
Right Angle**



RECOMMENDED PCB LAYOUT



DIMENSIONS :  $\frac{\text{MM}}{\text{(INCHES)}}$

TOLERANCES :  $\frac{0.2}{(.008)}$   
 EXCEPT WHERE NOTED.

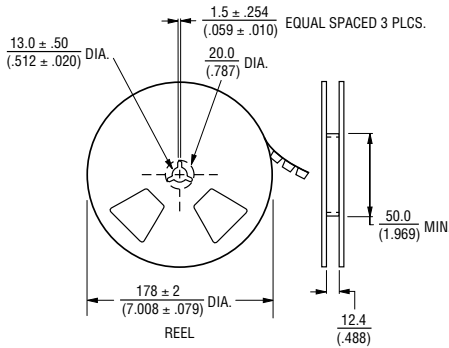
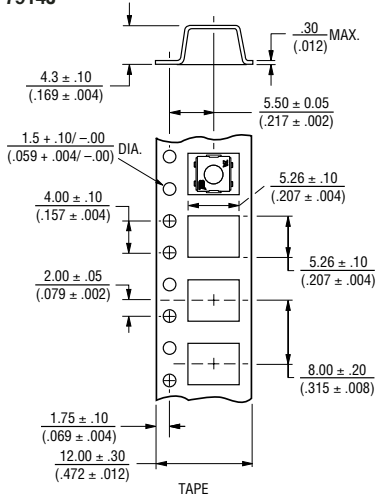
\*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.  
 †"Fluorinert" is a registered trademark of 3M Co.  
 Specifications are subject to change without notice.  
 Customers should verify actual device performance in their specific applications.

# 7914 4 mm SMD & Through-hole Sealed Key Switch

**BOURNS®**

## Packaging Specifications

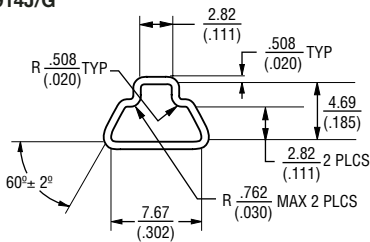
**7914J**



Meets EIA specification 481.

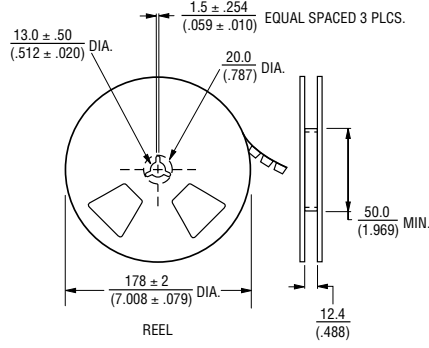
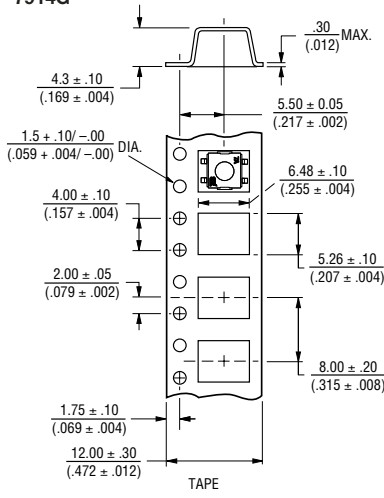
500 pcs./reel

**7914J/G**



50 pcs./tube

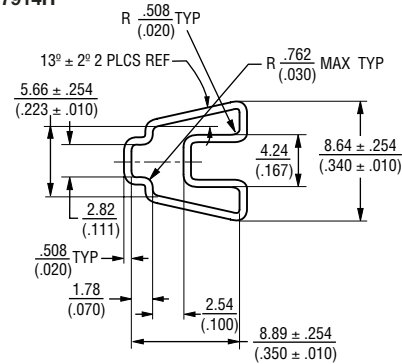
**7914G**



Meets EIA specification 481.

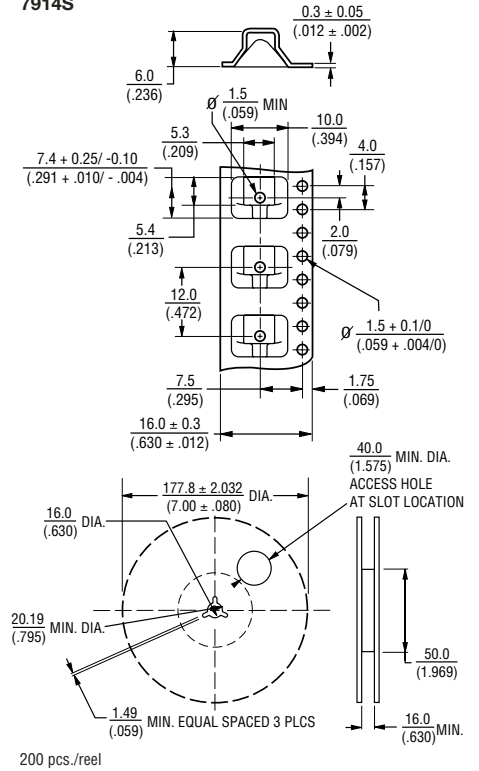
500 pcs./reel

**7914H**



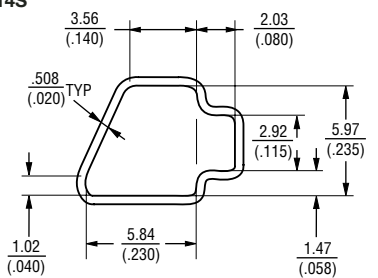
50 pcs./tube

**7914S**



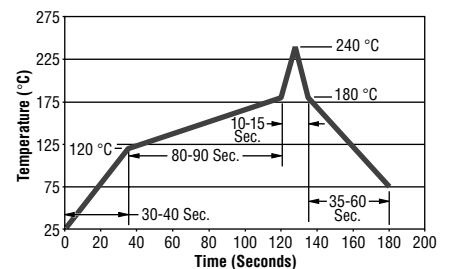
200 pcs./reel

**7914S**



100 pcs./tube

## Reflow Soldering Profile



REV. 04/06

Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.