

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 Current100 mA max.
Maximum Voltage16 V
Contact Resistance100 milliohms max.
Insulation Resistance ...100 megohms min.
Dielectric Strength250 VAC

General Characteristics

Switch TypeNormally open
Operating Temperature Range
.....-55 °C to +125 °C
Storage Temperature Range
.....-55 °C to +125 °C
Seal Test85 °C Fluorinert†
Vibration20 G
Shock100 G

Mechanical Characteristics

Actuator Force300 ± 100 g
Pushover Strength (S Style)
.....2 kilograms minimum
Cycle life, loaded100,000 actuations
Contact resistance100 milliohms max.

Physical Characteristics

Cover MaterialStainless steel
Base MaterialThermoplastic, UL94V-0
Terminal MaterialPhosphor bronze
Dome MaterialStainless steel
Actuator MaterialHigh temperature
silicon rubber
MarkingManufacturer's code
and date code

Packaging Options
J & G500 pcs./reel; 50 pcs./tube
S200 pcs./reel
H50 pcs./tube

How to Order

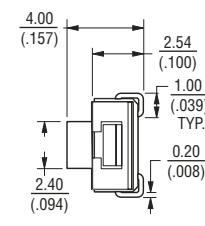
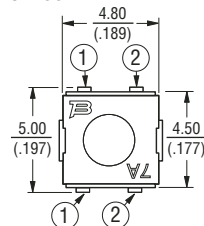
7914 J - 1 - 000 E

Model _____
Terminal _____
J = J-Hook H = Through-hole
G = Gull Wing S = Right Angle
Switch Type _____
1 = N.O. Au Contacts
Product Code for Button Height _____
(For Styles J, G and H)
000 = 4.0 mm FMS
024 = 2.4 mm FMS (Flush Actuator)
032 = 3.2 mm FMS
050 = 5.0 mm FMS
(For Style S)
000 = 1.68 mm FTS 032 = 0.91 mm FTS
024 = Flush Actuator 050 = 2.7 mm FTS
Embossed Tape _____
(Option applicable to Styles J, G and S only -
Consult factory. Omit for Style J & G tube
packaging.)
G, J = 500 pcs./reel S = 200 pcs./reel

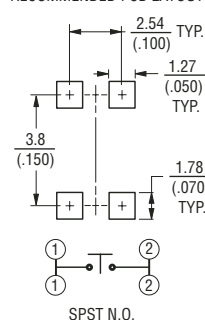
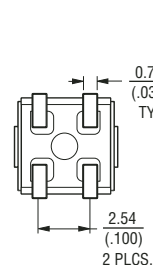
FMS = From Mounting Surface
FTS = From Top Surface

Product Dimensions

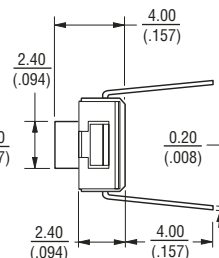
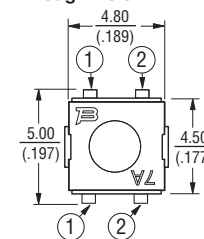
**7914J
J-Hook**



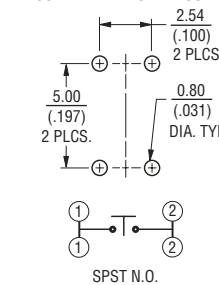
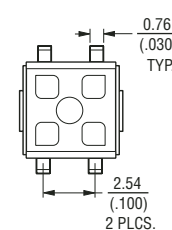
RECOMMENDED PCB LAYOUT



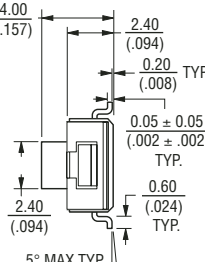
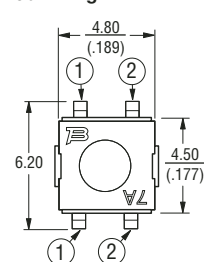
**7914H
Through-hole**



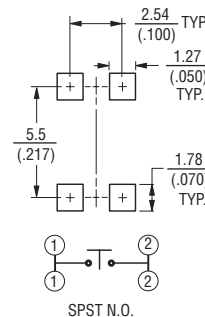
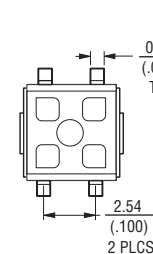
RECOMMENDED PCB LAYOUT



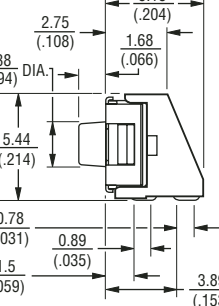
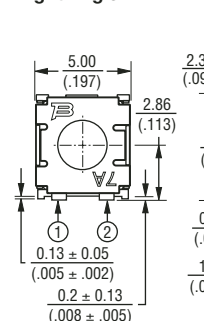
**7914G
Gull Wing**



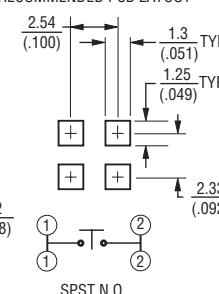
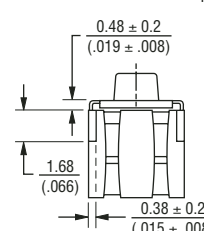
RECOMMENDED PCB LAYOUT



**7914S
Right Angle**



RECOMMENDED PCB LAYOUT



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

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

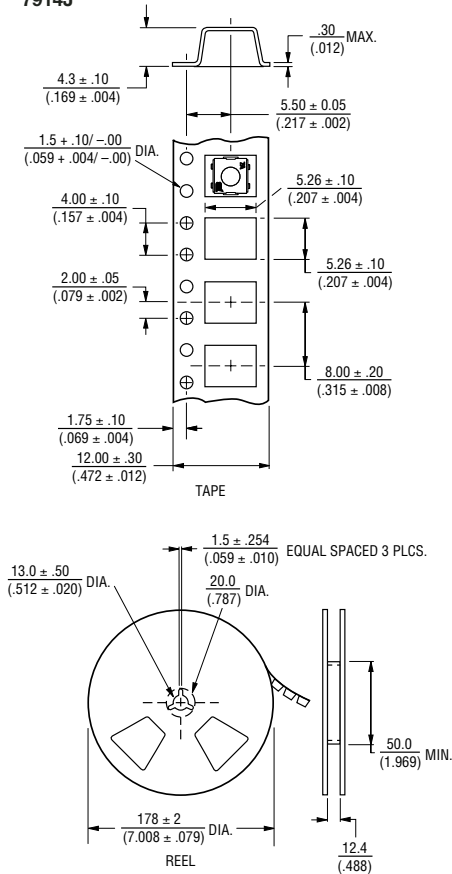
*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.
†"Fluorinert" is a registered trademark of 3M Co.
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

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Packaging Specifications

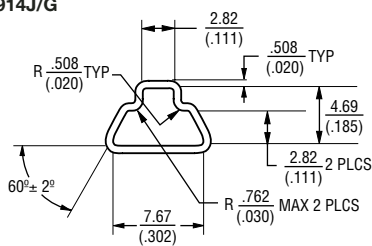
7914J



Meets EIA specification 481.

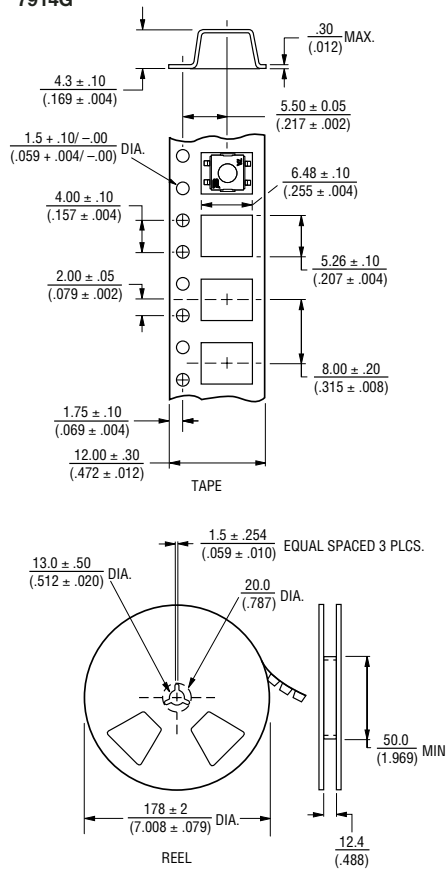
500 pcs./reel

7914J/G



50 pcs./tube

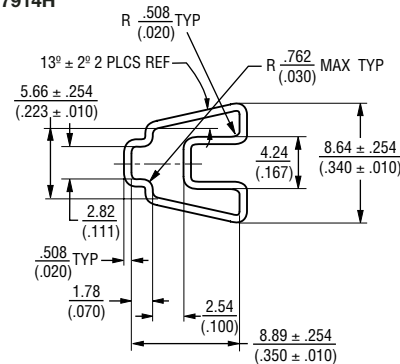
7914G



Meets EIA specification 481.

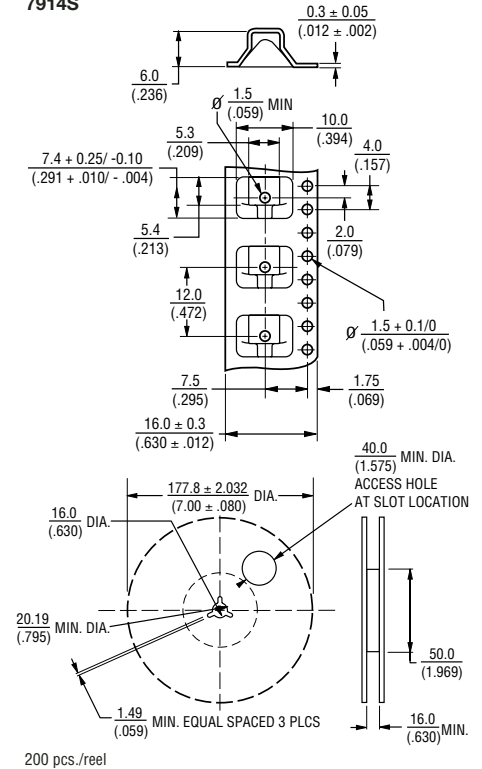
500 pcs./reel

7914H



50 pcs./tube

7914S



200 pcs./reel

Reflow Soldering Profile

