MODEL SWTW

Tactile Switches
6 x 6 mm and 8 x 8mm
Sealed, Washable
RoHS Compliant



STYLES AVAILABLE

Top Actuation SMD – G Pin, 6 x 6 mm	SWTW-G
Top Actuation SMD – G pin with Ground, 6 x 6 mm	SWTW-X
Top Actuation SMD – J pin, 6 x 6 mm	SWTW-J
Side Actuation SMD – J pin, 6 x 6 mm	SWTW-S
Top Actuation Through Hole, 6 x 6 mm	SWTW-H
Side Actuation Through Hole, 8 x 8 mm	SWTW-R
Top Actuation Through Hole, 8 x 8 mm	SWTW-K

ELECTRICAL

Contact Resistance	100 milli Ω max
Insulation Resistance	100 M Ω min. at 500VDC
Dielectric Strength	AC 250VAC / Minute
Rating	DC 12V / 50 mA (DC 50V/50mA for SWTW-R only)

ENVIRONMENTAL (MIL-R-39023)

Life Mechanical (range)	100K Cycles : Stem heights 1 & 2, 500K Cycles : Others (200K cycles : SWTW-S only) (1 Millions cycles : SWTW-R and SWTW-K only)
Operating Force Range (refer to ordering information)	130 gf – 360 gf
Operating Temperature Range	-25ºC – 70ºC, (-40ºC to +90ºC for SWTW-R and SWTW-K only)
Storage Temperature Range	-30ºC – 80ºC, (-40ºC to +90ºC for SWTW-R and SWTW-K only)
Stop Strength	Vertical Static Load of 3Kg continuously for 15 sec
Vibration	Mil-STD-202F, Method 201A
Shock	Mil-STD-202F, Method 213B Condition A
Soldering	Profile available upon request

BI Technologies Corporation
4200 Bonita Place, Fullerton, CA 92835 USA
Phone: 714 447 2345 Website: www.bitechnologies.com

TT electronics
BI technologies

ORDERING INFORMATION[1]

6 x 6 mm (G, X, J, and H styles only)

SWTW - G 1 S TR

Model Series

Style
G – Top Actuation SMD – G Pin, 6 x 6 mm
X – Top Actuation SMD – G pin with Ground, 6 x 6 mm
Available in Stem Height "2" & Color "N" only
J – Top Actuation, SMD J pin
H –Top Actuation, Through hole

Stem Height (Colors Available)
1 – 2.3mm, available in Silver (S) only
2 – 3.1mm, available in Brown (N) only
3 – 3.5mm, available in N, R, T
4 – 3.8mm, available in N, R, T
5 – 4.5mm, available in N, R
6 – 5.2mm, available in N, R, T

Packaging
Blank – 75 pcs,/tube, **Style H** only

TR – Tape and Reel
Style G & X
Stem Height 1 & 2 – 2000 pcs
Stem Height 3 & 4 – 1900 pcs
Stem Height 5 & 6 – 900 pcs

Style J
Stem Height 1 – 2700 pcs
Stem Height 2 – 1900 pcs
Stem Height 3 & 4 – 1800 pcs
Stem Height 5 & 6 – 900 pcs

Color / Force
N – Brown, 160 gf for Stem 2, 180 gf for others
S – Silver, 160 gf
R – Red, 260 gf
T – Transparent, 360 gf

6 x 6 mm (S style only)

SWTW - S 1 W B B TR

Model Series

Style
S – Side Actuation, SMD J pin style

Stem Height: (H)
1 – 2.8mm
2 – 4.35mm
3 – 2.3mm
4 – 4.0mm

Stem Color / Force
W - White, 185 gf
R - Red, 260 gf
V - White, 260 gf
X – Red, 185 gf

Front Solder Pad
A – Without pad
(Option, Consult Factory)
B – With pad

Pick & Place Tab
A – Without tab
B – With tab

Packaging

TR – Tape and Reel
Without Pick & Place tab – 600 pcs
With Pick & Place tab – 550 pcs

[1] *Contact our customer service for custom designs and features.*

MODEL SWTW

ORDERING INFORMATION

8 x 8 mm (R and K styles only)

SWTW - R 7 G

Model Series

Style
R – Side Actuation, Through hole, 8 x 8mm
K – Top Actuation, Through hole, 8 x 8mm

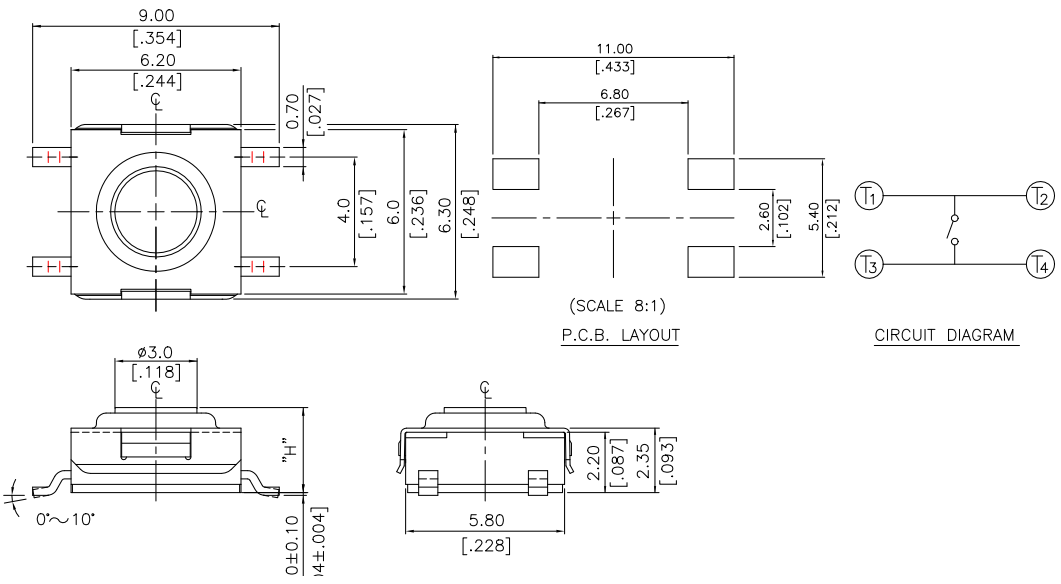
Packaging
500 pcs/bag

Color / Force
G – Green, 130gf

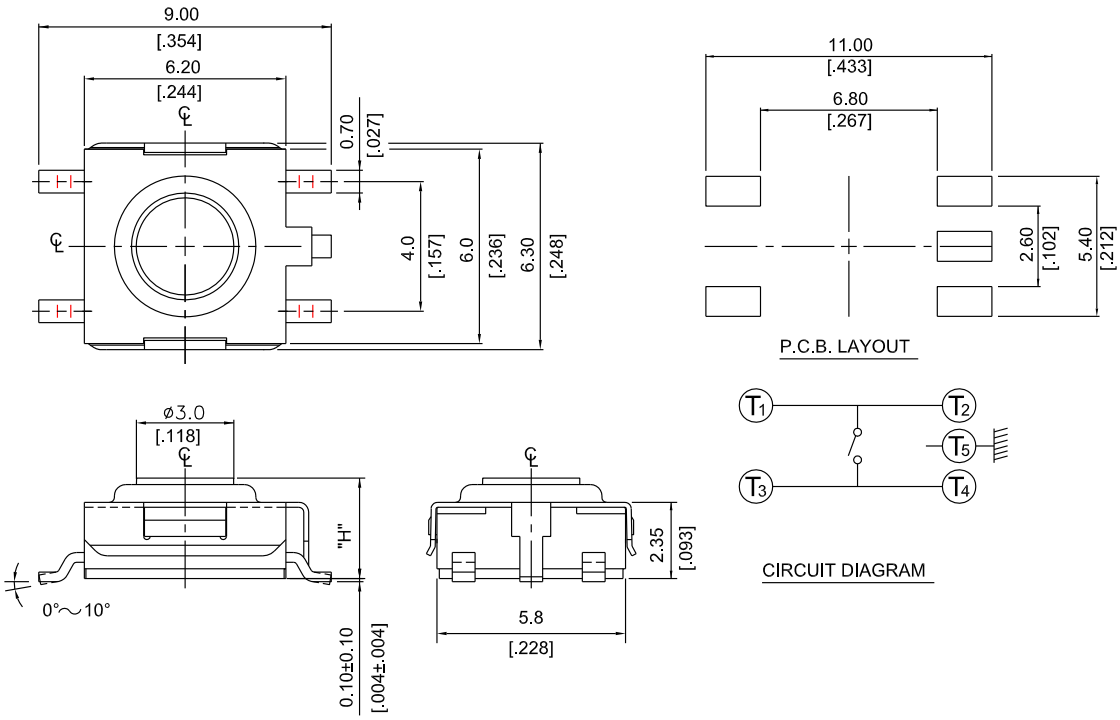
Stem Height
7 – 5.8mm
8 – 4.7mm

OUTLINE DRAWINGS

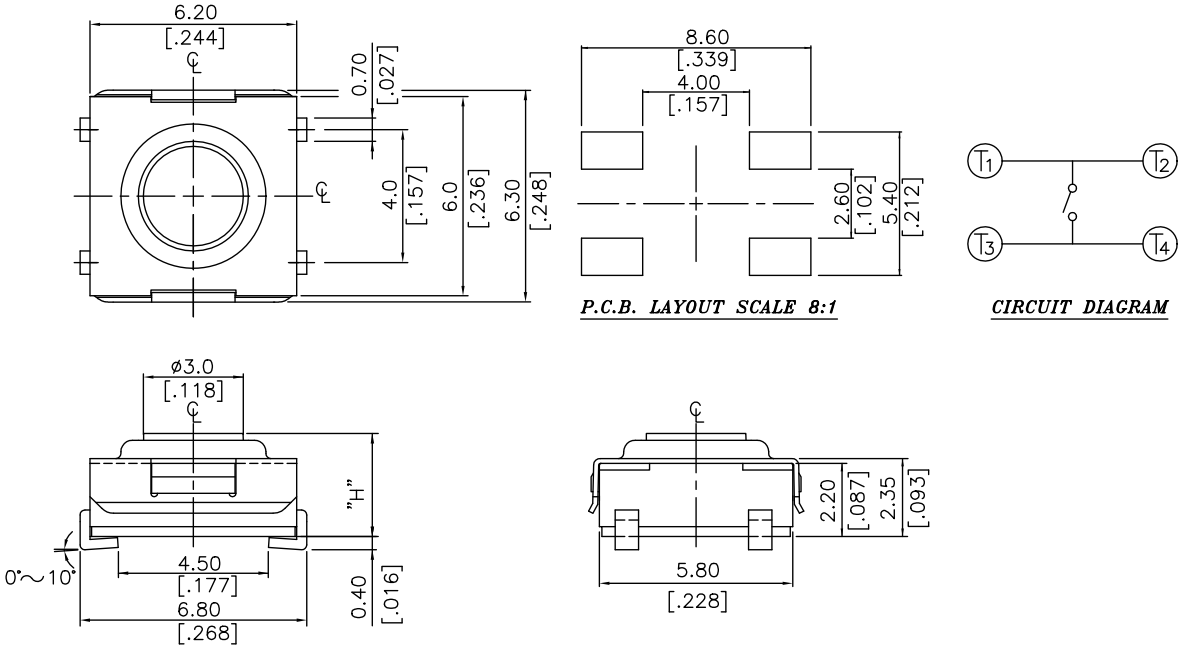
Model SWTW-G (Top Actuation, SMD G pin style, 6 x 6 mm)



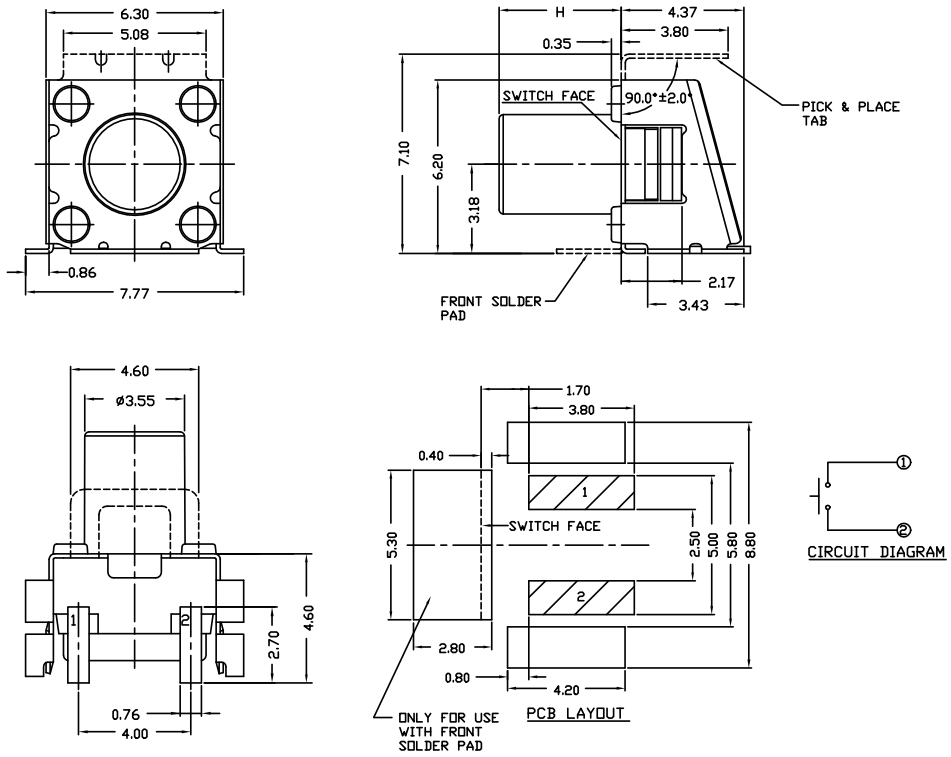
Model SWTW-X (Top Actuation, SMD G pin style with ground, 6 x 6 mm, Stem Height 2, H = 3.1 mm)



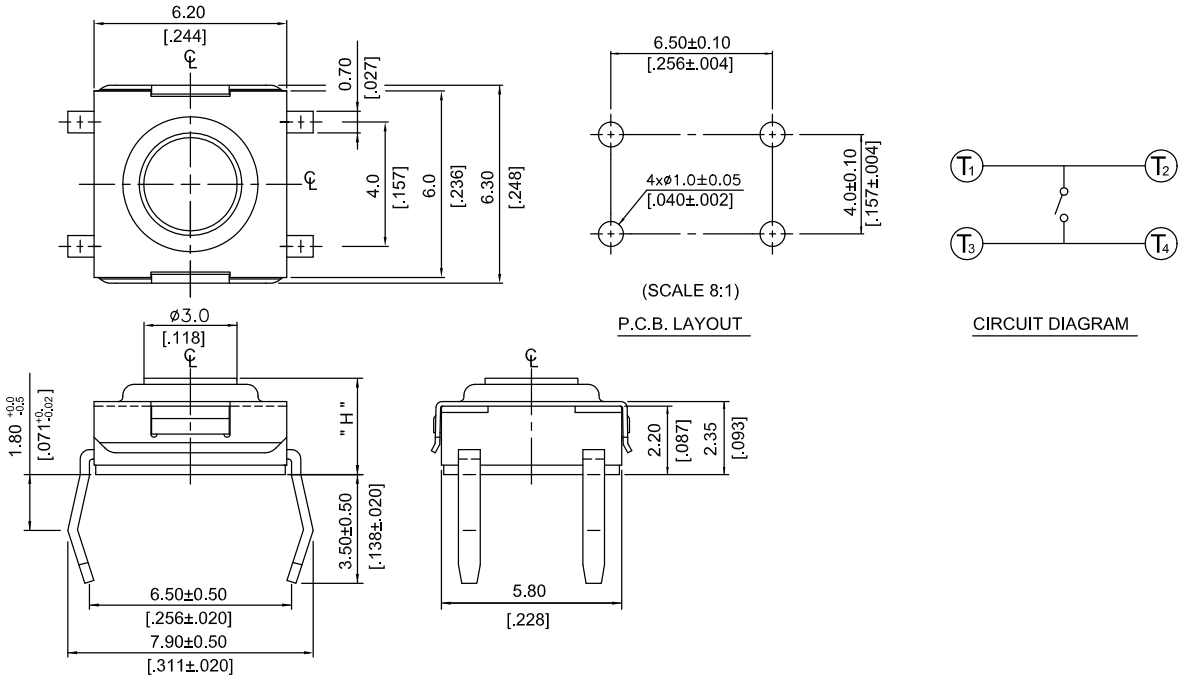
Model SWTW-J (Top Actuation, SMD J pin style, 6 x 6 mm)



Model SWTW-S (Side Actuation, SMD J pin style , 6 x 6 mm)



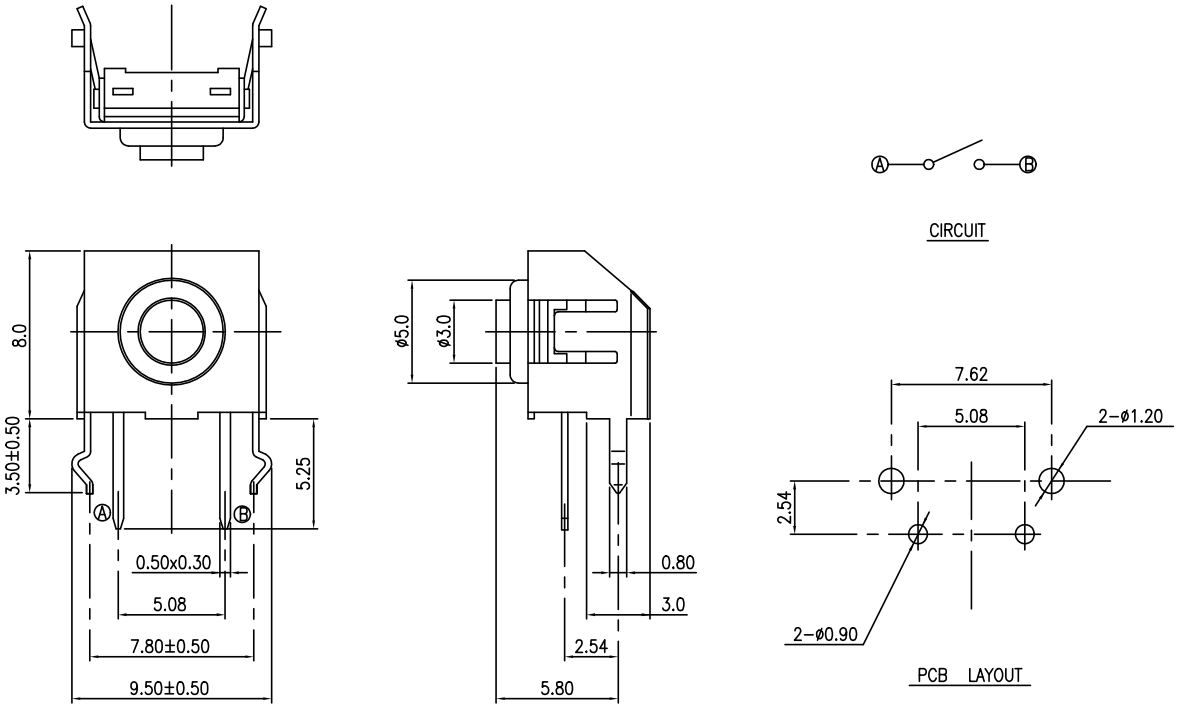
Model SWTW-H (Top Actuation, Through hole, 6 x 6 mm)



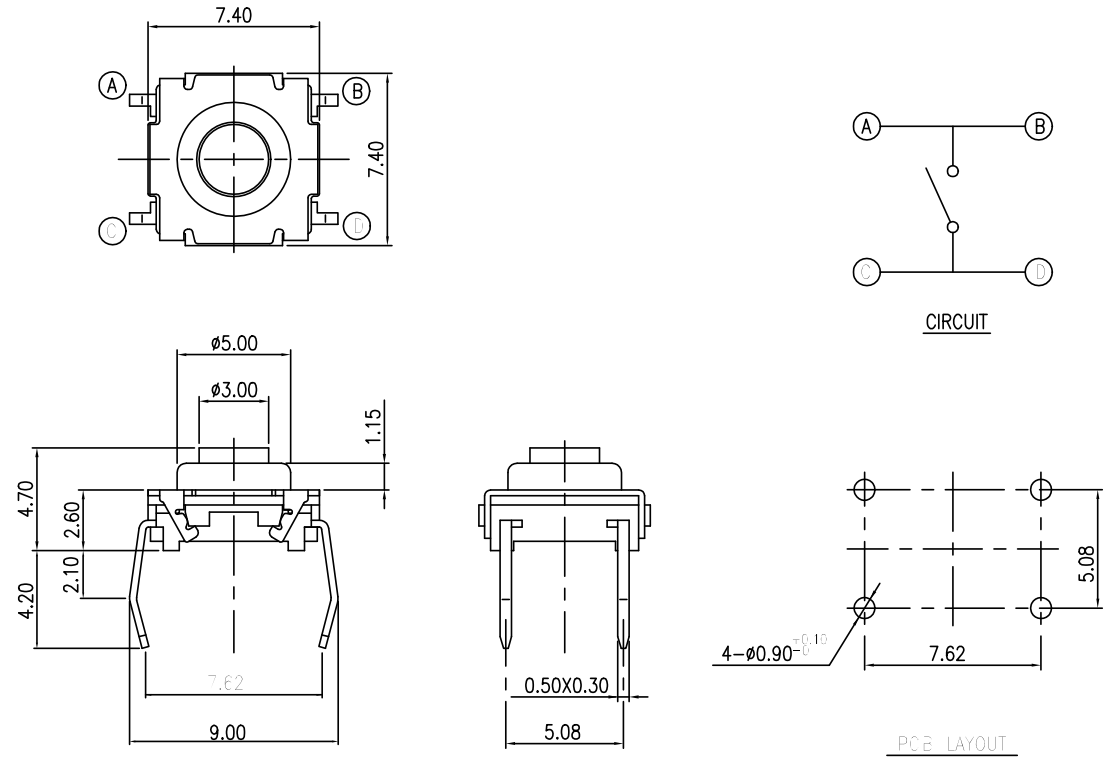
BI Technologies Corporation
4200 Bonita Place, Fullerton, CA 92835 USA
Phone: 714 447 2345 Website: www.bitechnologies.com

MODEL SWTW

Model SWTW-R (Side Actuation, Through hole, 8 x 8mm)



Model SWTW-K (Top Actuation, Through hole, 8 x 8mm)



BI Technologies Corporation
4200 Bonita Place, Fullerton, CA 92835 USA
Phone: 714 447 2345 Website: www.bitechnologies.com