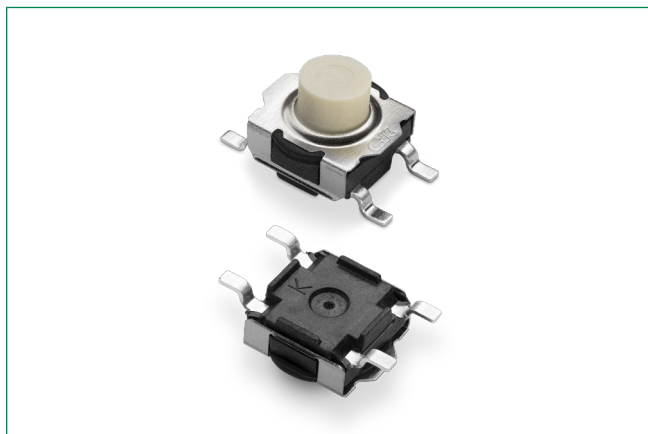


KT Series

Full SMT Top & Side Actuated Sealed Tactile Switch



Specifications

Contact Arrangement	SPST, N.O.
Terminals	SMT termination
Packaging	Switches supplied in anti-static tape and reels per EIA 481-2. Tape and cover strip are conductive for use near statically sensitive components.

Electrical Characteristics

Contact Rating	1.0 VA max. @ 32 V AC or DC max.
Electrical & Mechanical Life	100,000 make-and-break cycles at full load.
Dielectric Strength	250 Vrms min. @ sea level
Contact Resistance	Below 50 mΩ typ. initial @ 2-4 V DC, 100 mA.
Insulation Resistance	10 ⁹ Ω min.

Environmental Characteristics

	Silver	Gold
Operating Temperature	-40°C to 90°C	-40°C to 125°C

Process

Soldering	Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).
Degree of Protection	IP57; protection against harmful dust deposits, full-scale voltage protection.

Notes:

Specifications listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

Description

The KT series full SMT top and side actuated sealed tact switch has a high shear force with an extended bracket that gives it a long operating life. This feature, along with the KT's G or J terminations, makes it ideal for computer, instrumentation and power supply applications.

Features & Benefits

- Full SMT side-actuated tact switch
- SMT top-actuated tact switch with G or J terminations
- High shear force with extended bracket
- Easy to pick & place with top plate tab
- Rubber or hard plastic actuator
- Press fit or snap fit caps
- RoHS compliant and compatible

Applications

- Telecommunications
- Computer products
- Instrumentation
- Power supply

KT Series

Full SMT Top & Side Actuated Sealed Tactile Switch



Ordering Number

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box. For any part number different from those listed above, please consult your local representative.

Switch

KT11 - xx - xxxx - 3 - x - xxx			
Actuator	Orientation and Mounting	Contact Plating	
B0 ¹ : Soft, flush	SM : Top Gullwing	LFS : RoHS compliant and compatible, Silver plated	
B1 ¹ : Soft, 0.54mm	JM : Top J Bend ⁴	LFG : RoHS compliant and compatible, Gold plated	
B2 ¹ : Soft, 2.24mm			
P2 ² : Hard, 2.36mm			
P3 ² : Hard, 1.12mm			
P4 ² : Hard, 3.96mm			
S1 ³ : Ø0.1", for Press Fit Caps	SAM : Right angle		
S2 ³ : Ø0.14", for Snap Fit Caps (with anti-rotation)	SA1M : Right angle with front solder pad		
	SA2M : Right angle with front solder pad and pick & place tab		
	SA3M : Right angle with pick & place tab		

Notes

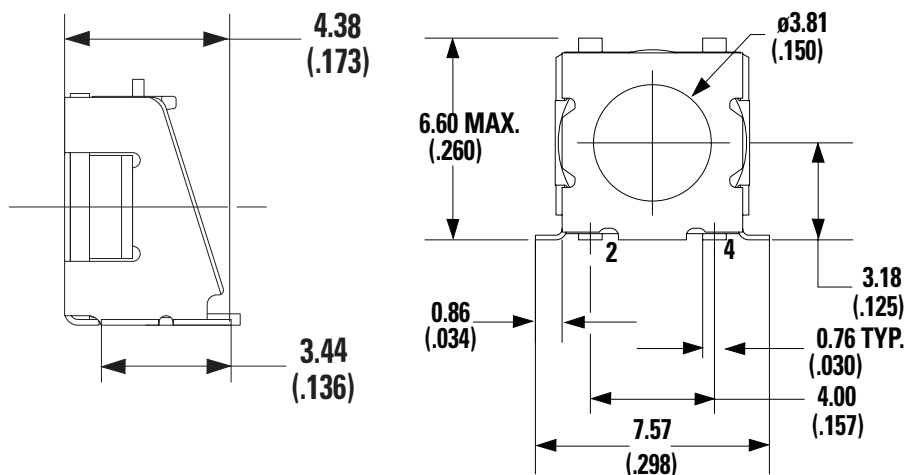
- B0, B1 & B2 available with A, A1 & A3 mounting bracket only.
- P2, P3, P4 actuators suitable with A1 & A2 mounting bracket only.
- S1 & S2 available with A1 & A2 mounting bracket only.
- JM available with B0, B1, B2, P2, P3, P4 without mounting bracket.

Button - To order buttons in bulk

BTN - KT11 - xx - xx	
Button Style	Button Color
02 : Press fit	90 : Black
03 : Snap fit, high temperature	80 : Ivory (natural)
	40 : Red

Series

KT11



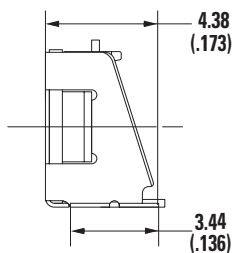
KT Series

Full SMT Top & Side Actuated Sealed Tactile Switch

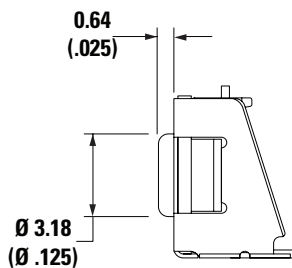


Actuator

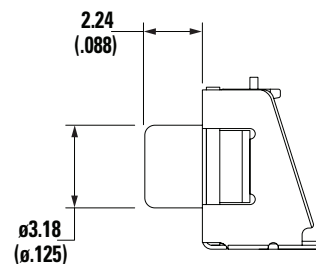
B0 Soft, Flush¹



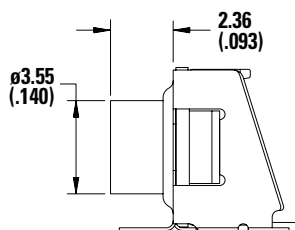
B1 Soft, 0.64mm¹



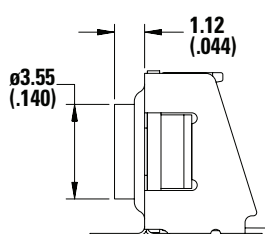
B2 Soft, 2.24mm¹



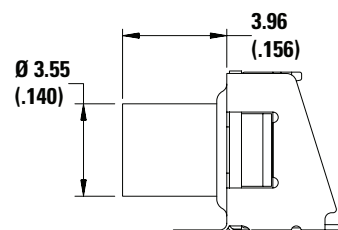
P2 Hard, 2.36mm



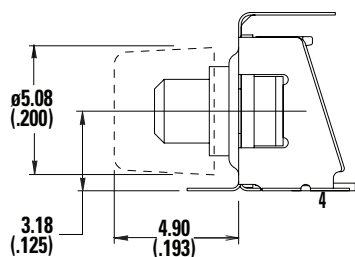
P3 Hard, 1.12mm



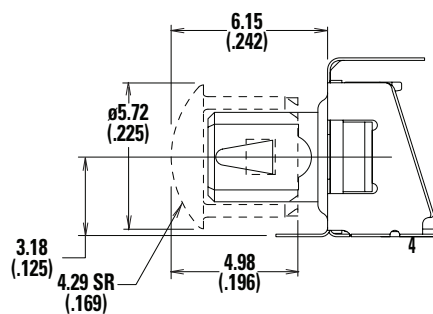
P4 Hard, 3.96mm²



S1 Ø0,1" For Press Fit Caps³



S2 Ø0,14" For Snap Fit Caps³



Notes:

- 1: B0, B1 & B2 available with A, A1 & A3 mounting bracket only.
- 2: P2, P3, P4 actuators suitable with A1 & A2 mounting bracket only.
- 3: S1 & S2 available with A1 & A2 mounting bracket only.
- 4: JM available with B0, B1, B2, P2, P3, P4 without mounting bracket.

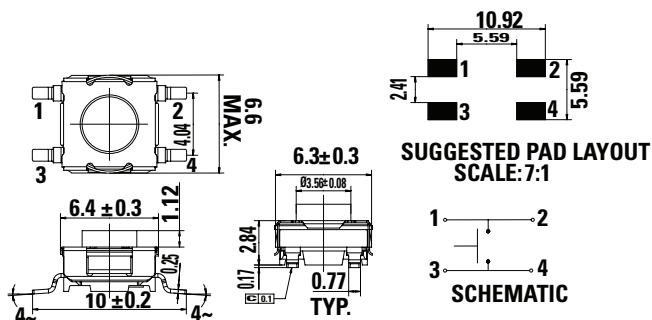
KT Series

Full SMT Top & Side Actuated Sealed Tactile Switch

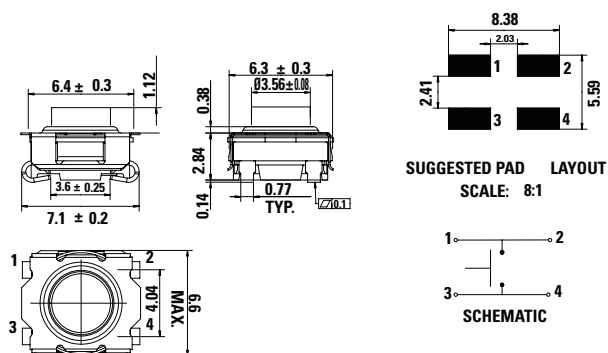


Orientation & Mounting Style

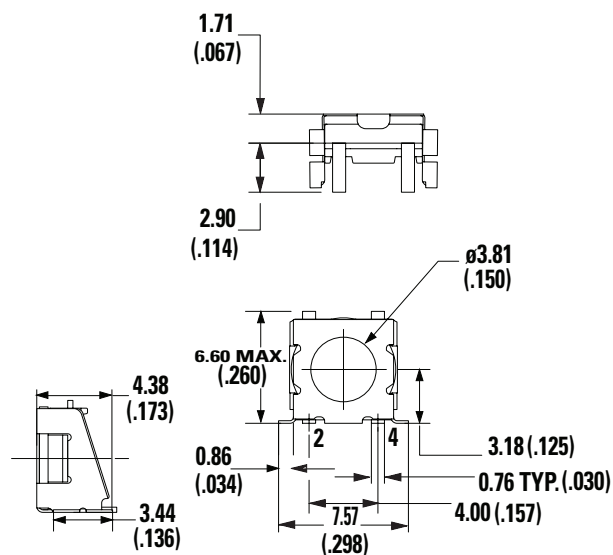
SM Top Gullwing



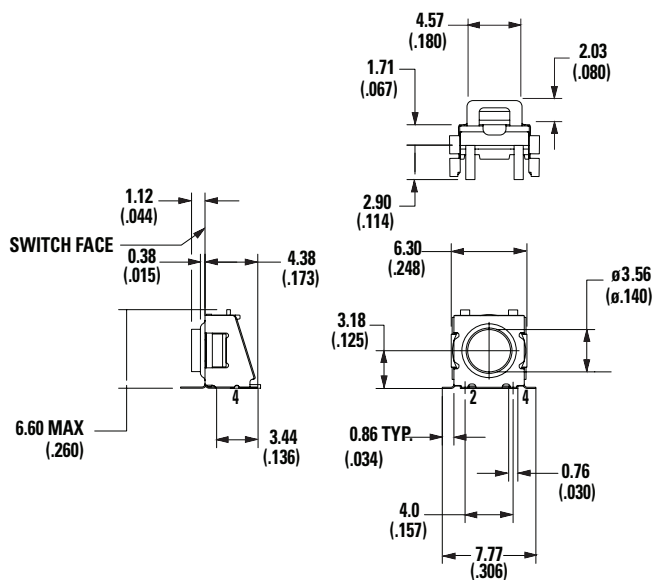
JM Top J Bend



SAM Right Angle

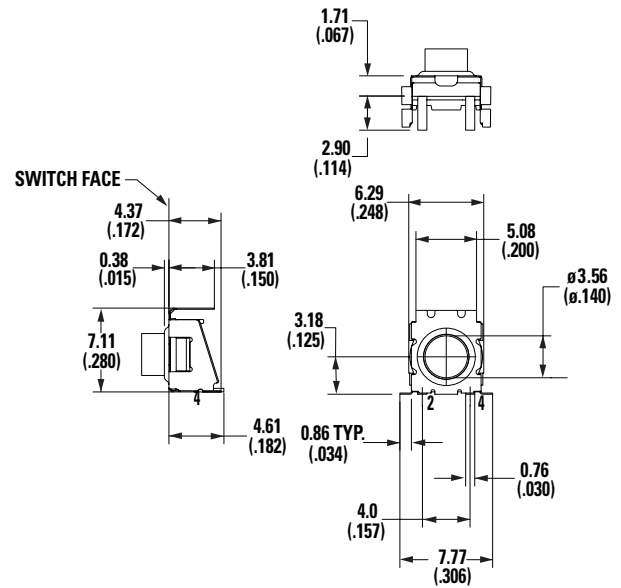
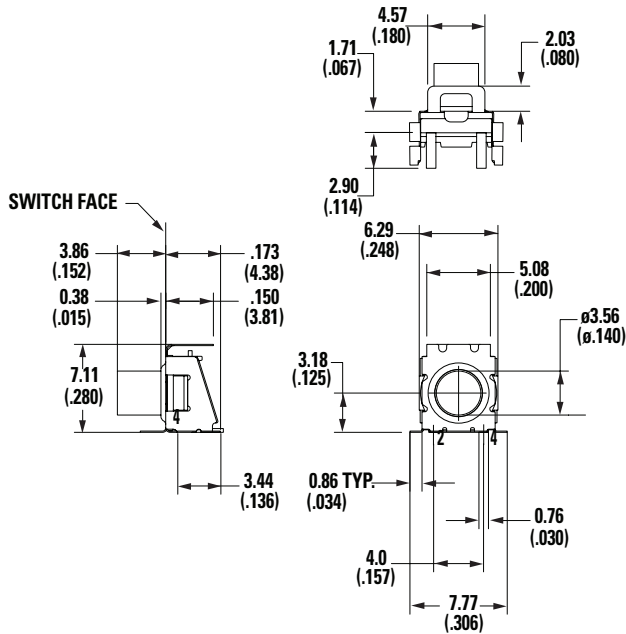


SA1M Right Angle with Front Solder Pad

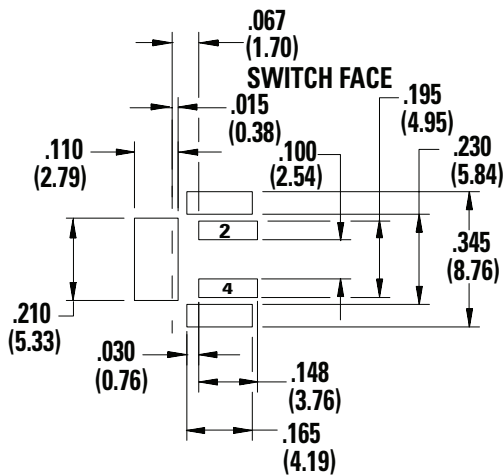


Full SMT Top & Side Actuated Sealed Tactile Switch

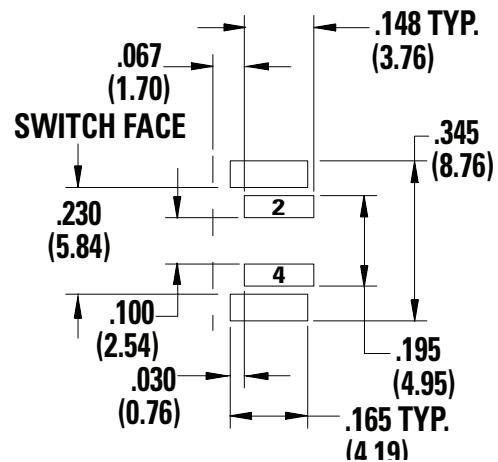
SA3M Right Angle with Pick & Place Tab



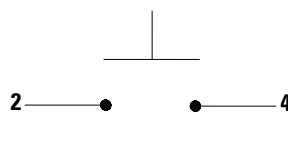
Pad Layout SA1M & SA2M Mounting Bracket



Pad Layout SAM & SA3M Mounting Bracket



Schematic



KT Series

Full SMT Top & Side Actuated Sealed Tactile Switch

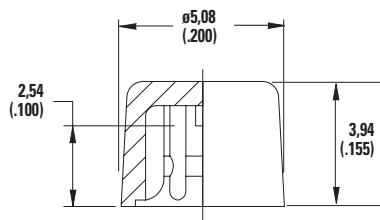


Button

02 Press Fit

Part Number	Internal Part Number	Button Color
BTN KT11 02 80	5081 01000	Ivory (Natural)
BTN KT11 02 90	5081 02000	Black
BTN KT11 02 40	5081 03000	Red

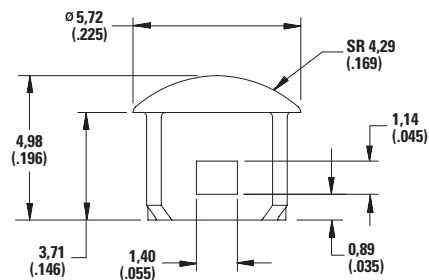
Materials: Nylon
Finish: Gloss



03 Snap Fit, High Temperature

Part Number	Internal Part Number	Button Color
BTN KT11 03 80	685B01000	Ivory (Natural)
BTN KT11 03 90	685B02000	Black

Materials: Nylon
Finish: Gloss



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