KT Series
Full SMT Top & Side Actuated Sealed Tact Switch



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*

Typical Applications

- *Telecommunications*
- *Computer products*
- *Instrumentation*
- *Power supply*

Specification

CONTACT ARRANGEMENT: SPST, N.O.
TERMINALS: SMT termination

Electrical

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

OPERATING TEMPERATURES: Ag version: -40°C to 90°C
Au version: -40°C to 125°C

Process

SOLDERABILITY: 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.

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.

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

How To Order

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.

However, please note that all the combinations of these options are not feasible.
For any part number different from those listed above, please consult your local representative.

SWITCH

K T 1 1 [ ][ ] [ ][ ][ ][ ] 3 [ ] [ ][ ][ ]

Actuator
B0* Soft, flush
B1* Soft, 0,64 mm
B2* Soft, 2,24 mm
P2** Hard, 2,36 mm
P3** Hard, 1,12 mm
P4** Hard, 3,96 mm
S1*** ø0,1" for Press Fit Caps
S2*** ø0,14" for Snap Fit Caps
(with anti-rotation)

Orientation and Mounting Style
SM Top Gullwing
JM Top J Bend ******
SAM Right angle
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

3

Contact Plating
4 Silver
5 Gold

Contact Plating
LFS RoHS compliant and compatible. Silver plated
LFG RoHS compliant and compatible. Gold plated

* 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

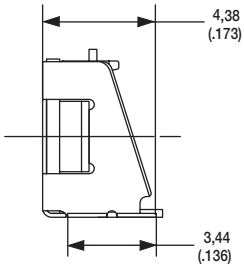
B T N K T 1 1 [ ][ ] [ ][ ]

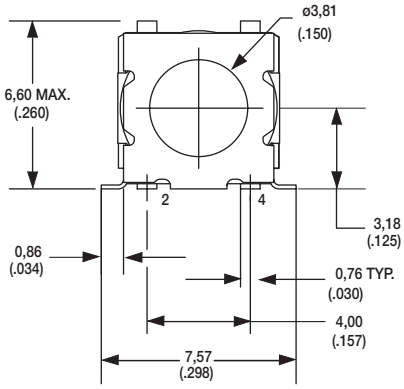
Button Style
02 Press fit
03 Snap fit, high temperature

Button Color
90 Black
80 Ivory (natural)
40 Red

SERIES

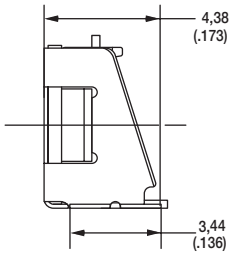
KT11



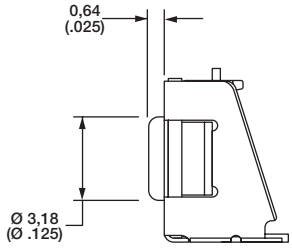


ACTUATOR

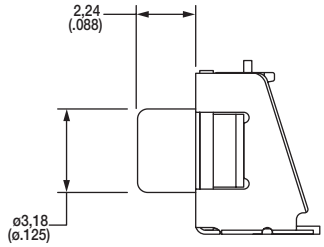
B0 SOFT, FLUSH*



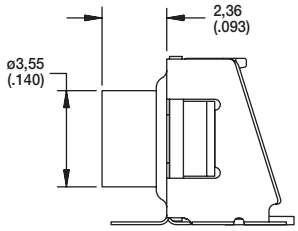
B1 SOFT, 0,64 mm*



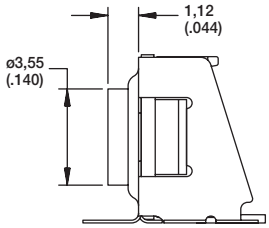
B2 SOFT, 2,24 mm*



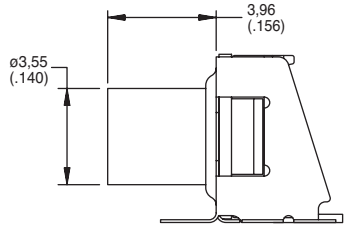
P2 HARD, 2,36 mm



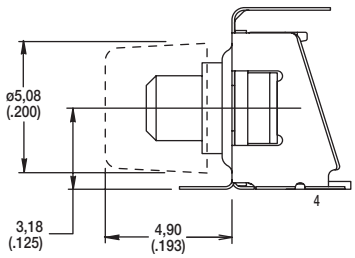
P3 HARD, 1,12 mm



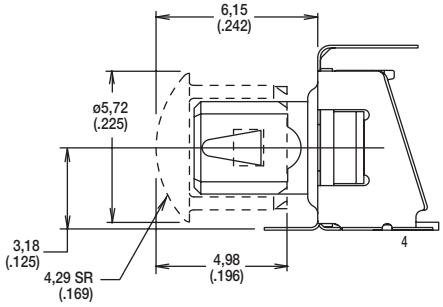
P4 HARD, 3,96 mm**



S1 Ø0,1" FOR PRESS FIT CAPS***



S2 Ø0,14" FOR SNAP FIT CAPS***



* 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.

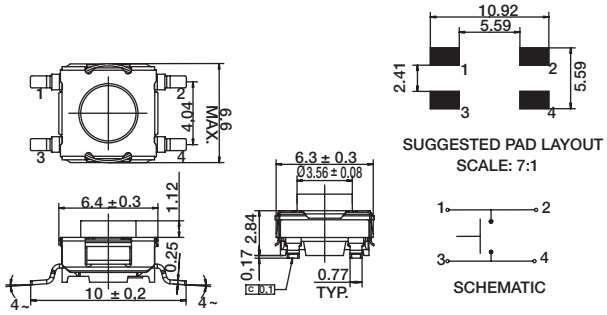
First Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

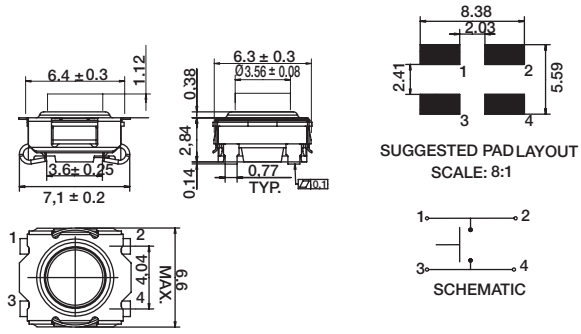
KT Series
Full SMT Top & Side Actuated Sealed Tact Switch

ORIENTATION & MOUNTING STYLE

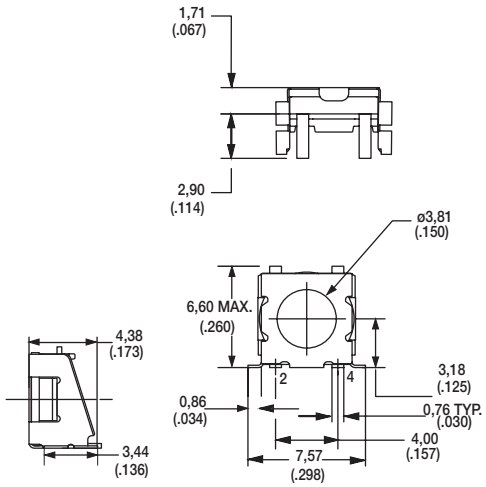
SM TOP GULLWING



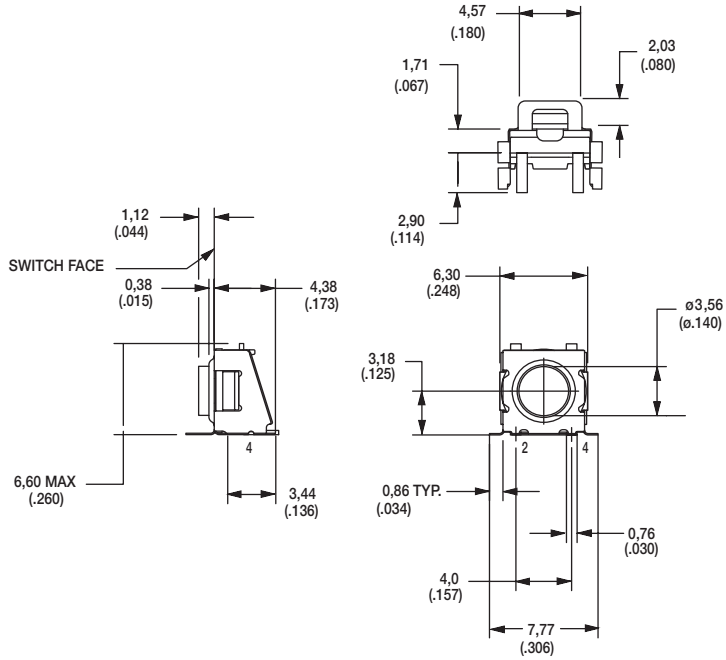
JM TOP J BEND



SAM RIGHT ANGLE



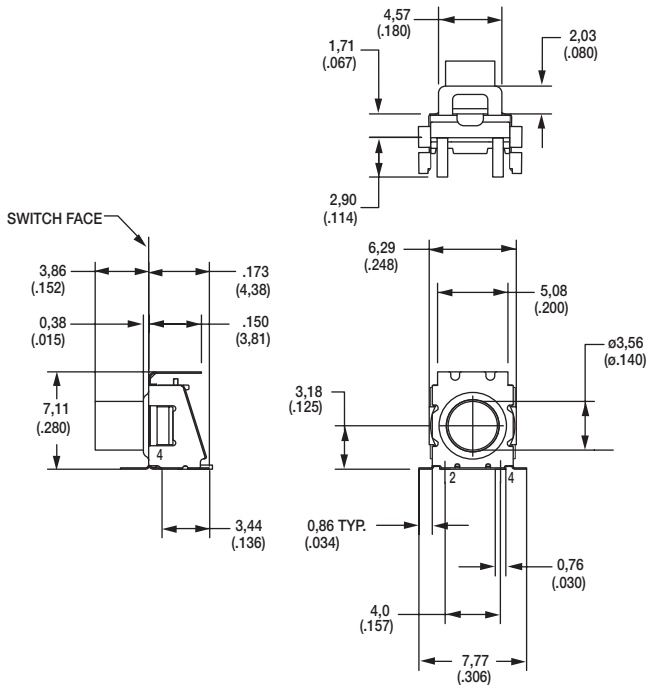
SA1M RIGHT ANGLE WITH FRONT SOLDER PAD



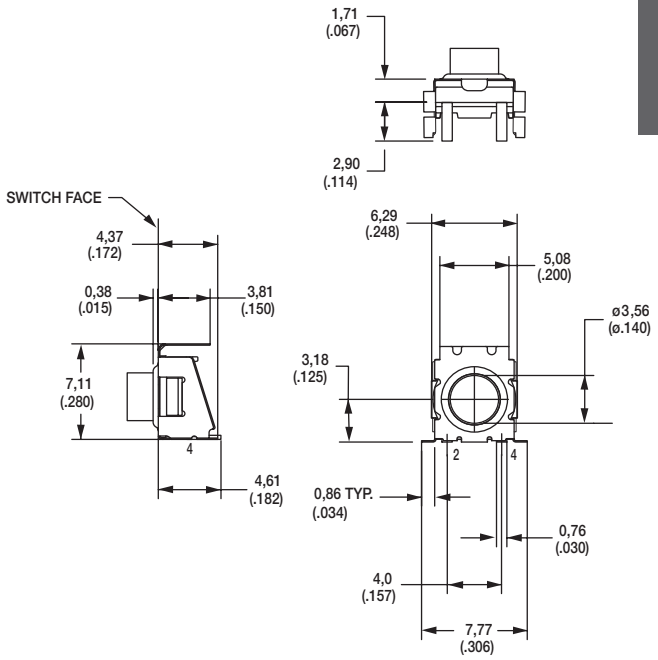
First Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

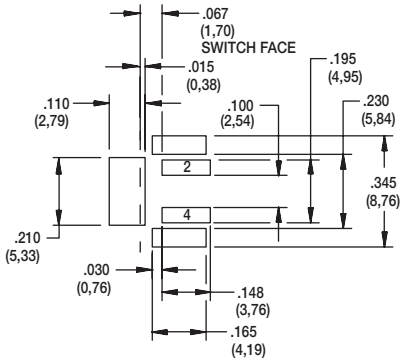
SA2M RIGHT ANGLE WITH FRONT SOLDER PAD AND PICK & PLACE TAB



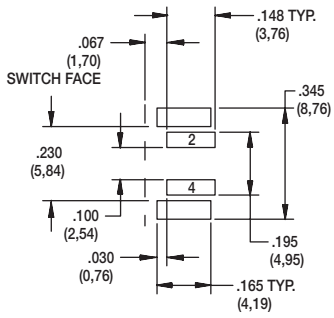
SA3M RIGHT ANGLE WITH PICK & PLACE TAB

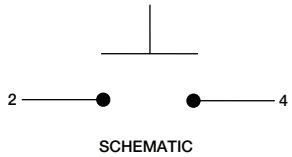


PAD LAYOUT
SA1M & SA2M MOUNTING BRACKET



PAD LAYOUT
SAM & SA3M MOUNTING BRACKET





SCHEMATIC

First Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

BUTTON

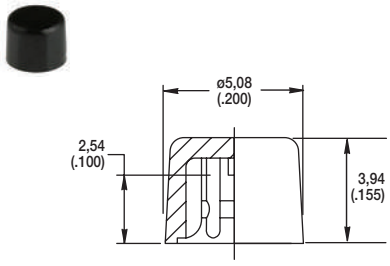
BUTTON

To order buttons in bulk

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	685B 01000	Ivory (Natural)
BTN KT11 03 90	685B 02000	Black

Materials: Nylon
Finish: Gloss

