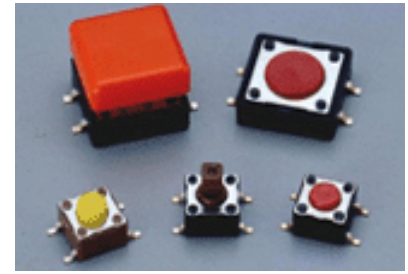


**ADTS6, ADTSM &
AKTSC6 SERIES
(SQUARE STEM WITH CAP OPTIONS)
MECHANICAL CONTACT STYLE**



FEATURES

- Positive tactile feedback.
- Ultraminiature structure suitable for high density mounting. Economic but high reliability.
- Insert molded terminals prevent flux build-up during soldering.

MATERIALS

COVER:	Stainless steel.
BASE:	UL94V-0 Nylon Thermoplastic. Color: Black
STEM:	UL94V-0 Nylon Thermoplastic. Color: Black(100gf), Brown(160gf), Red(260gf), Salmon(320gf), Yellow(520gf) Silicone rubber Color: Red(300gf)
CONTACT DISC:	Phosphor bronze with silver cladding.
TERMINAL:	Brass with silver plating.
CAP:	Termoplastic ABS.

GENERAL SPECIFICATIONS

ELECTRICALS

Electrical life:	100,000 cycles for 320gf, 520gf. 100,000 cycles for 260gf. 200,000 cycles for 100gf, 160gf.
Rating:	50 mA, 12 VDC.
Contact resistance:	100 milliohms max.
Insulation resistance:	100 megohms min. 500 VDC.
Dielectric Strength:	250 VAC /1 minute.
Contact Arrangement:	1 pole 1 throw.

MECHANICALS

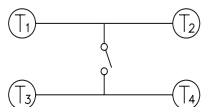
Operational Force:	520 ± 130gf Brown (Y) 320 ± 80gf Brown (S) 260 ± 50gf Red (R) 160 ± 50gf Brown (N) 100 ± 50gf Black (K)
Stop Strength:	Max 3kgf vertical static load continuously for 15 seconds.
Stoke:	(12x12) 0.35 ± 0.1 mm (6x6) 0.25 ± 0.2 mm - 0.1 mm
Operating Temperature Range:	-25°C to + 70°C
Storage Temperature Range:	-30°C to + 80°C
Vibration resistance:	MIL-STD-202F METHOD 201A. Frequency: 10-55-10Hz/1 minute. Directions: X,Y,Z, three mutually perpendicular directions. Time: 2 hours each direction. High reliability.
Shock resistance:	MIL-STD-202F METHOD 213B. Frequency: 10-55-10Hz/1 minute. Directions: X,Y,Z, three mutually perpendicular directions. Time: 2 hours each direction. High reliability.

SOLDERING PROCESSES

WAVE SOLDERING: Recommended solder temperature at 500°F (260°C) max. 5 seconds subject to PCB 1.6mm thickness. (For through hole type)

HAND SOLDERING: Use a soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while applying solder.

CIRCUIT



HOW TO ORDER

ADTS



V



Package Style:

☐ = Bulk Pack

* B = Tube

* Except ADTS-63, 644, 648, 65, 66

Soldering:

V = Lead Free

Color Of Stem For Operating Force:

K = Black, 100gf

N = Brown, 160gf

R = Red, 260gf

S = Salmon, 320gf

Y = Yellow, 520gf

N/K = Black, 160gf

< 12 x 12, K, Y Unavailable >

Dimension H:

6 x 6mm:

1 = 4.3mm

2 = 5.0mm

3 = 7.0mm

44 = 7.3mm (SQ.) x 2.4mm

48 = 7.3mm (SQ.) x 2.8mm

5 = 9.5mm

6 = 13mm

12 x 12mm:

1 = 4.3mm

4 = 7.3mm (SQ.) x 3.8mm

5 = 8.5mm

Prod. Size

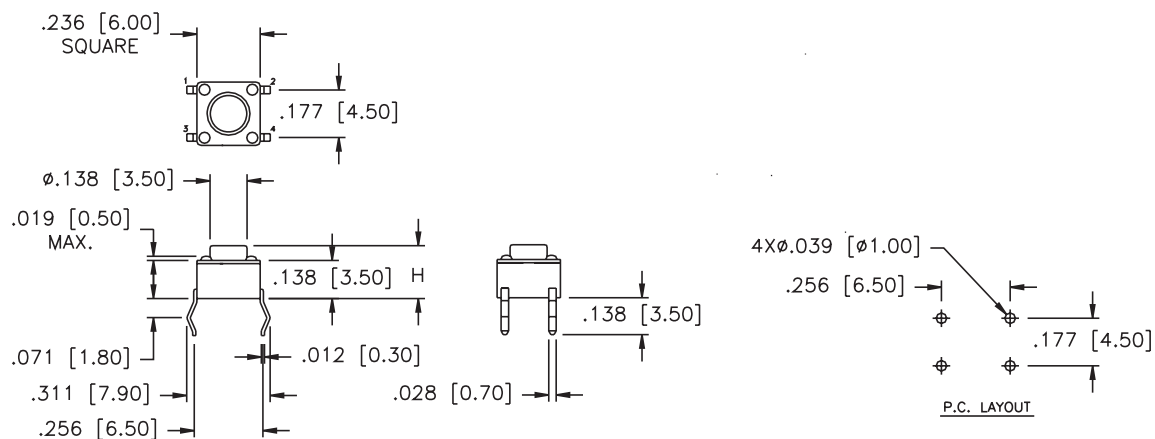
6 = 6.6mm

2 = 12 x 12mm

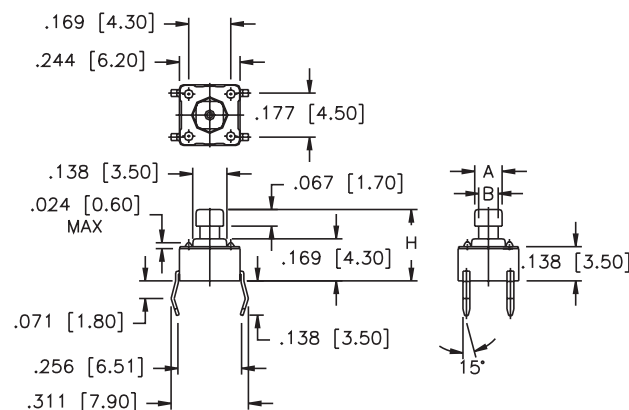
☐ = None Post

M = Surface Mount

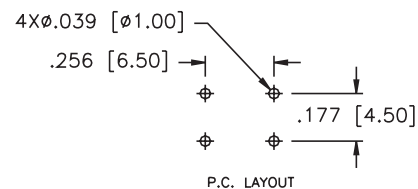
ADTS6**V



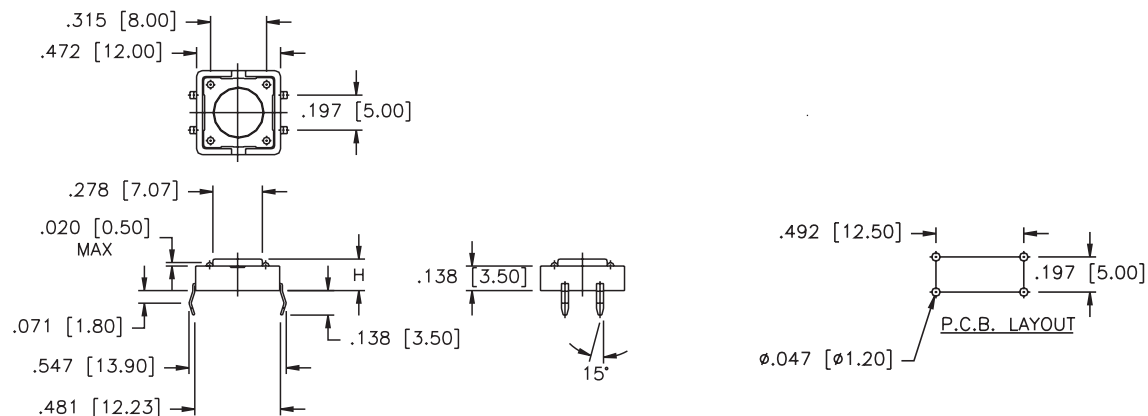
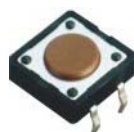
ADTS64**V



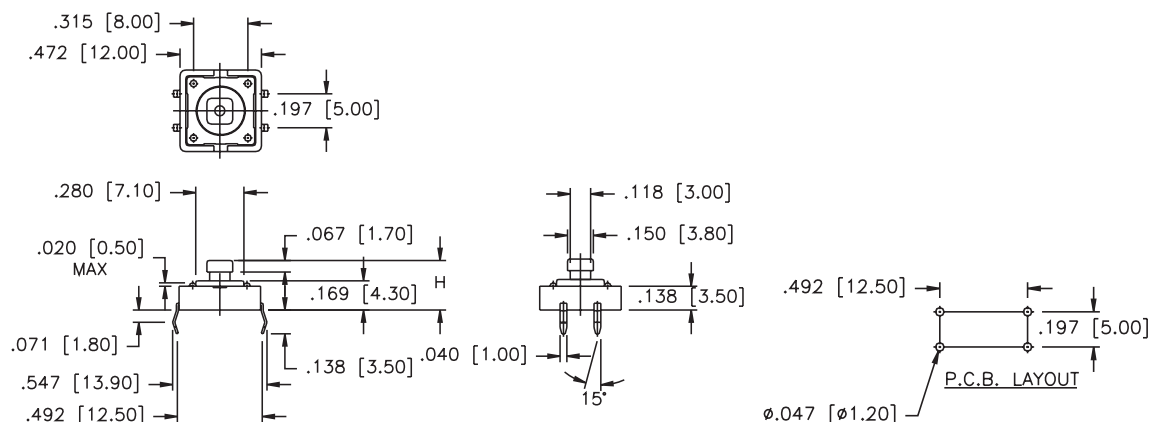
PRODUCT NO.	LOC.	MM.	INCH
ADTS644*V	A	2.4	[.095]
	B	1.6	[.063]
ADTS648* V	A	2.8	[.110]
	B	2.0	[.079]

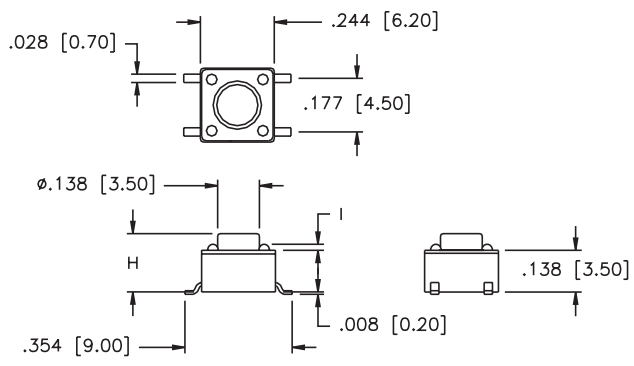
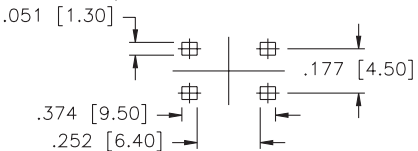
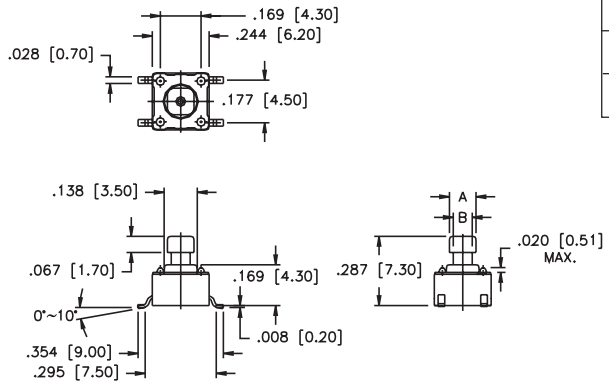
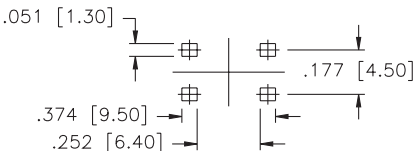
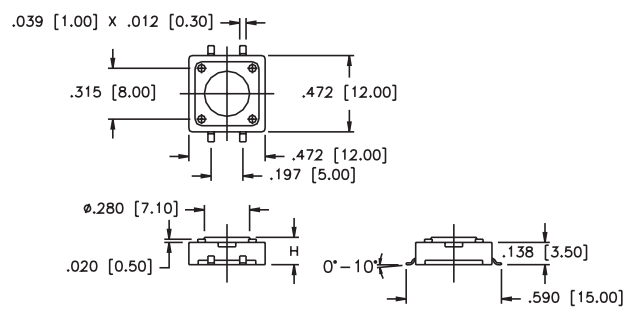
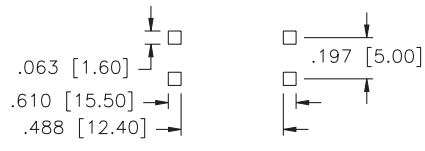
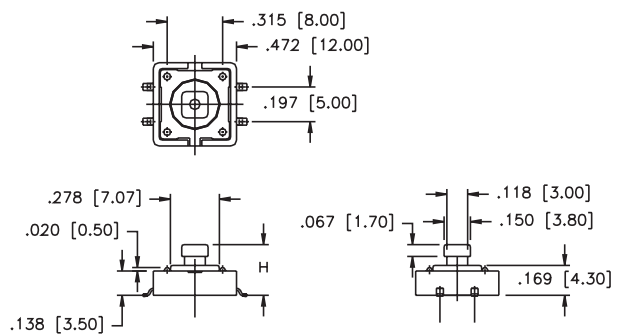
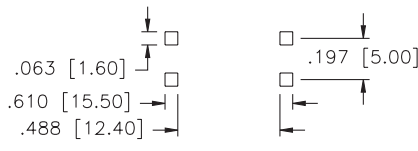


ADTS2**V



ADTS24*V



ADTSM6**V 	<table><tr><th>PART NUMBER.</th><th>DIM. I</th></tr><tr><td>ADTSM62~66*</td><td>.024 MAX.</td></tr><tr><td>ADTSM61*</td><td>.020 MAX.</td></tr></table>   P.C. LAYOUT	PART NUMBER.	DIM. I	ADTSM62~66*	.024 MAX.	ADTSM61*	.020 MAX.			
PART NUMBER.	DIM. I									
ADTSM62~66*	.024 MAX.									
ADTSM61*	.020 MAX.									
ADTSM64**V 	<table><tr><th>PART NUMBER.</th><th>DIM. A</th><th>DIM. B</th></tr><tr><td>ADTSM644*V*</td><td>.094 [2.4]</td><td>.063 [1.6]</td></tr><tr><td>ADTSM648*V*</td><td>.100 [2.8]</td><td>.079 [2.0]</td></tr></table>   P.C. LAYOUT	PART NUMBER.	DIM. A	DIM. B	ADTSM644*V*	.094 [2.4]	.063 [1.6]	ADTSM648*V*	.100 [2.8]	.079 [2.0]
PART NUMBER.	DIM. A	DIM. B								
ADTSM644*V*	.094 [2.4]	.063 [1.6]								
ADTSM648*V*	.100 [2.8]	.079 [2.0]								
ADTSM2**V 	  P.C. LAYOUT									
ADTSM24*V 	  P.C. LAYOUT									

AKTSC CAPS



CAP PART NO.

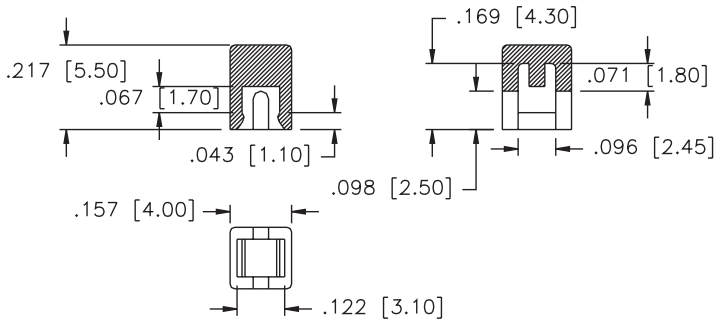
AKTSC

Cap Type:
1 = Square
2 = Round

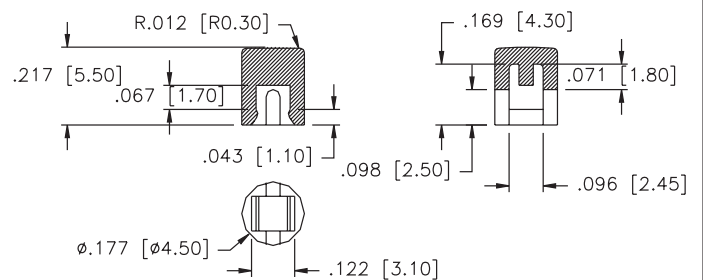
Prod. Size: (Tactile Switch)
6 = 6 x 6mm
2 = 12 x 12mm

Cap Color:
Y= Yellow
B = Blue
R = Red
I = Ivory
K = Black
G = Green
S = Salmon

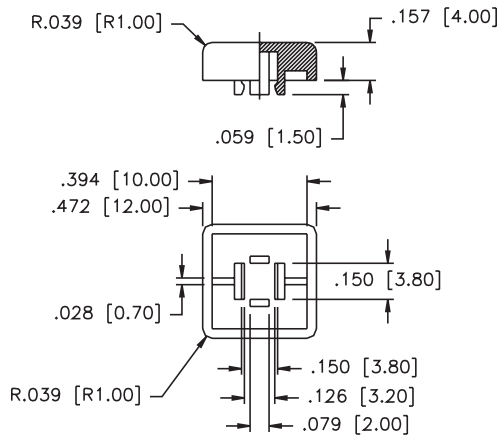
AKTSC61



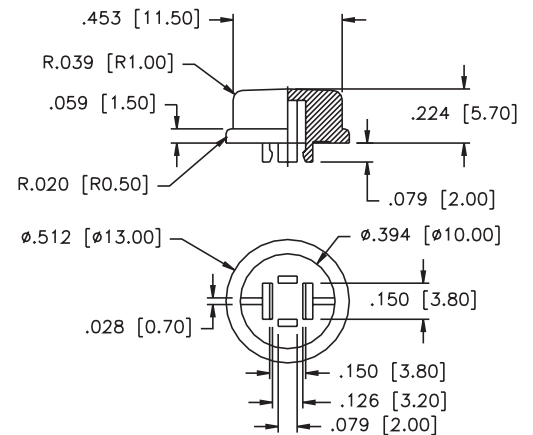
AKTSC62



AKTSC21



AKTSC22



PACKAGING

ADTS-6 Series: 1000 pcs/bag
ADTS(P)-2 series: 500 pcs/bag or 40pcs/tube

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Apem:

[ADTS63RV](#) [ADTS63SV](#) [ADTS63YV](#) [ADTS644KV](#) [ADTS644NV](#) [ADTS644RV](#) [ADTS644SV](#) [ADTS644YV](#)
[ADTS648KV](#) [ADTS648NV](#) [ADTS648RV](#) [ADTS648SV](#) [ADTS648YV](#) [ADTS65KV](#) [ADTS65NV](#) [ADTS65RV](#)
[ADTS65SV](#) [ADTS65YV](#) [ADTS66KV](#) [ADTS66NV](#) [ADTS66RV](#) [ADTS66SV](#) [ADTS66YV](#) [ADTSF60KV](#)
[ADTSF60KVTR](#) [ADTSF60NV](#) [ADTSF60NVTR](#) [ADTSF60RV](#) [ADTSF60RVTR](#) [ADTSF61KV](#) [ADTSF61KVTR](#)
[ADTSF61NV](#) [ADTSF61NVTR](#) [ADTSF61RV](#) [ADTSF61RVTR](#) [ADTSF62KV](#) [ADTSF62KVTR](#) [ADTSF62NV](#)
[ADTSF62NVTR](#) [ADTSF62RV](#) [ADTSF62RVTR](#) [ADTSGF60KVTR](#) [ADTSGF60NVTR](#) [ADTSGF60RVTR](#)
[ADTSGF61KVTR](#) [ADTSGF61RVTR](#) [ADTSGF62RVTR](#) [ADTSGL62NVTR](#) [ADTSM21NV](#) [ADTSM21NVTR](#)
[ADTSM21RV](#) [ADTSM21RVTR](#) [ADTSM24NV](#) [ADTSM24NVTR](#) [ADTSM24RV](#) [ADTSM24RVTR](#) [ADTSM25NV](#)
[ADTSM25NVTR](#) [ADTSM25RV](#) [ADTSM25RVTR](#) [ADTSM61KV](#) [ADTSM61KVTR](#) [ADTSM61NV](#) [ADTSM61NVTR](#)
[ADTSM61RV](#) [ADTSM61RVTR](#) [ADTSM61SV](#) [ADTSM61SVTR](#) [ADTSM61YV](#) [ADTSM61YVTR](#) [ADTSM62KV](#)
[ADTSM62KVTR](#) [ADTSM62NV](#) [ADTSM62NVTR](#) [ADTSM62RV](#) [ADTSM62RVTR](#) [ADTSM62SV](#) [ADTSM62SVTR](#)
[ADTSM62YV](#) [ADTSM62YVB](#) [ADTSM62YVTR](#) [ADTSM63KV](#) [ADTSM63KVTR](#) [ADTSM63NV](#) [ADTSM63NVTR](#)
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[ADTSM644SV](#) [ADTSM644SVTR](#)