



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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# SERIES TL 1100 SWITCHES

## TACT SWITCHES - 12mm x 12mm

TACT SWITCHES

NAVIGATION SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

ROCKER SWITCHES

SLIDE SWITCHES

SNAP-ACTION SWITCHES

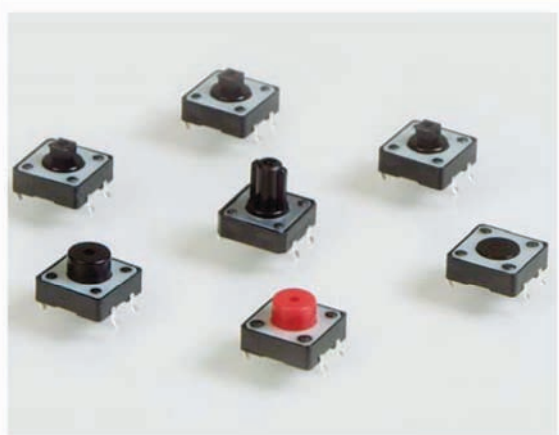
DIP SWITCHES

KEYLOCK SWITCHES

ROTARY SWITCHES

DETECTOR SWITCHES

CAP. OPTIONS



### SPECIFICATIONS

Contact Rating:	50mA @ 12 VDC
Life Expectancy:	100,000 cycles
Contact Resistance:	100mΩ max., typical @ 2-4 VDC 100mA for both silver and gold plated contacts
Insulation Resistance:	100MΩ min.
Dielectric Strength:	250VAC
Actuation Force:	160± 50 gf, 260± 50 gf
Operating Temperature:	-20°C to 70°C
Travel:	0.3 Typ.

### FEATURES & BENEFITS

- ▶ Reliable dome contact technology
- ▶ Strong tactile/audible feedback
- ▶ Multiple operating force options

### APPLICATIONS/MARKETS

- ▶ Telecommunications
- ▶ Consumer Electronics
- ▶ Audio/visual
- ▶ Medical
- ▶ Testing/instrumentation
- ▶ Computer/servers/peripherals

### HOW TO ORDER

SERIES	MODEL NO.	ACTUATOR ("L" Dimension)	OPERATING FORCE	CONTACT MATERIAL	CAP (Where Avail.)	CAP COLOR
TL	1100	(None)* = 3.3mm □ A = 3.8mm □ B = 4.554mm D = 4.3mm E = 7.5mm F = 12mm  Right Angle Options C* = 6.45mm □ G = 11.2mm	F160 F260	Q = Silver R = Gold	See Cap Options  *Caps available for these options only	

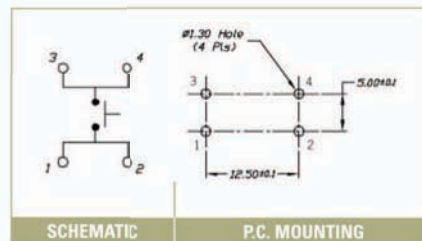
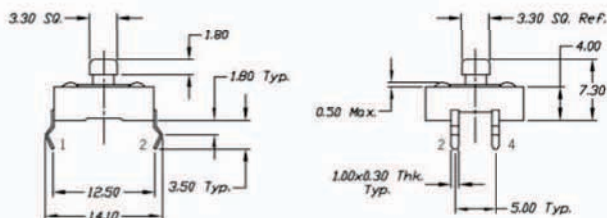
### Example Ordering Number

TL-1100-C-F260-Q-TAK-GRY

□ – Square Snap-on Actuator Head  
"L" Dimension is 7.5mm

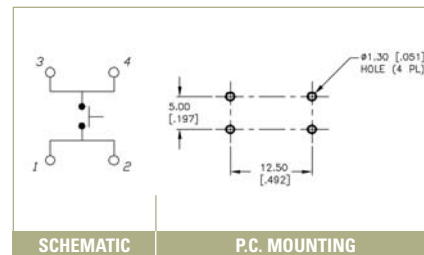
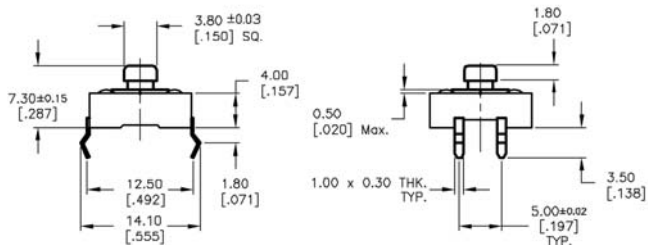
Specifications subject to change without notice.

## TL 1100





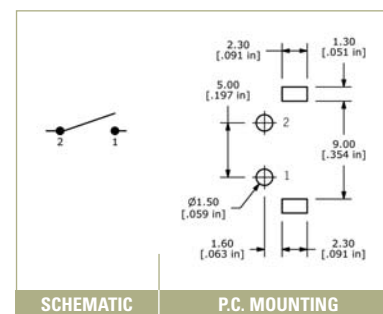
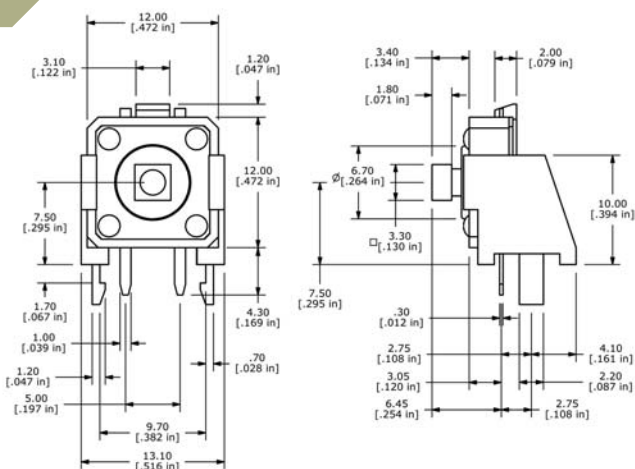
### TL 1100 A



SCHEMATIC

P.C. MOUNTING

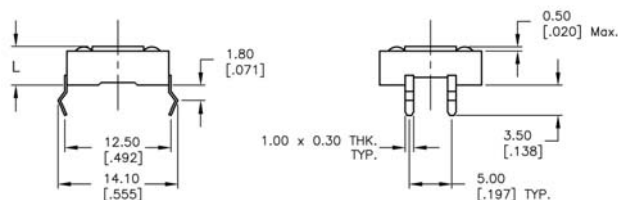
### TL 1100 C



SCHEMATIC

P.C. MOUNTING

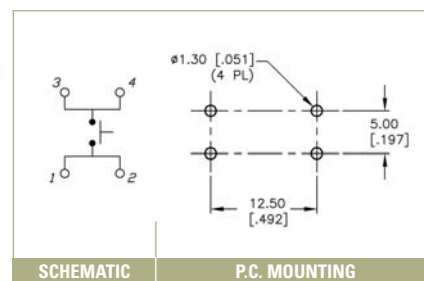
### TL 1100 B & D



Actuator Length (L) in mm

B = 4.55mm

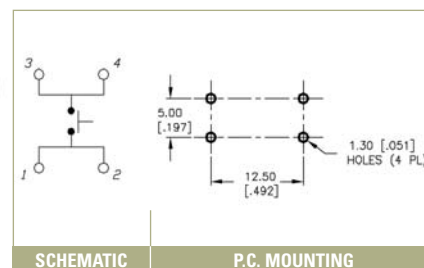
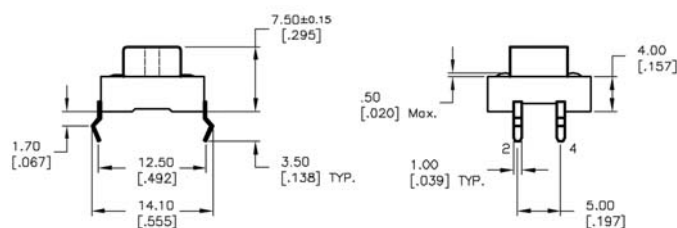
D = 4.3mm



SCHEMATIC

P.C. MOUNTING

### TL 1100 E



SCHEMATIC

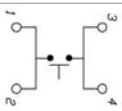
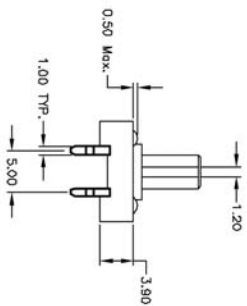
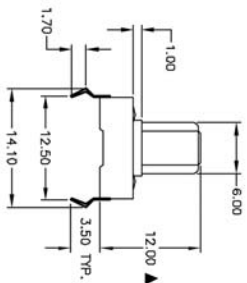
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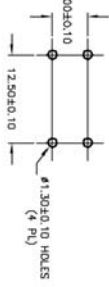
# SERIES TL1100 SWITCHES

TACT SWITCHES - 12mm x 12mm

## TL 1100 F



SCHEMATIC



P.C. MOUNTING

TACT SWITCHES

NAVIGATION SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

ROCKER SWITCHES

SLIDE SWITCHES

SNAP-ACTION SWITCHES

DIP SWITCHES

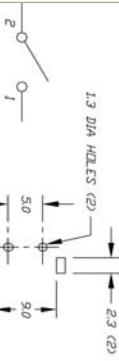
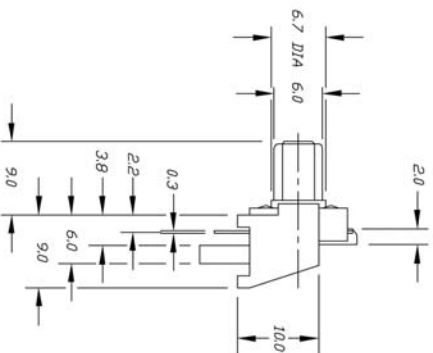
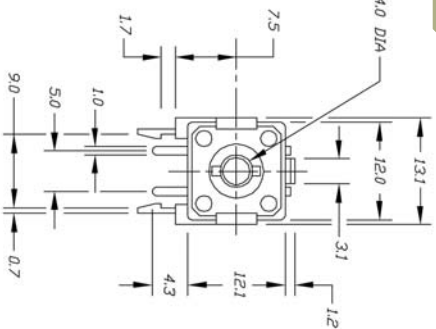
KEYLOCK SWITCHES

ROTARY SWITCHES

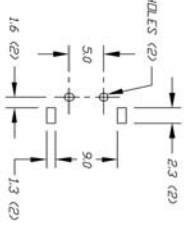
DETECTOR SWITCHES

CAP OPTIONS

## TL 1100 G



SCHEMATIC



P.C. MOUNTING