

TACT  
SWITCHESNAVIGATION  
SWITCHESPUSHBUTTON  
SWITCHESTOGGLE  
SWITCHESROCKER  
SWITCHESSLIDE  
SWITCHESSNAP-ACTION  
SWITCHESDIP  
SWITCHESKEYLOCK  
SWITCHESROTARY  
SWITCHESDETECTOR  
SWITCHESCAP  
OPTIONS

# SERIES TL 1100 SWITCHES

## TACT SWITCHES - 12mm x 12mm



### SPECIFICATIONS

|                        |                                                                                 |
|------------------------|---------------------------------------------------------------------------------|
| Contact Rating:        | 50mA @ 12 VDC                                                                   |
| Life Expectancy:       | 100,000 cycles                                                                  |
| Contact Resistance:    | 100mΩ max., typical @ 2-4 VDC<br>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<br>("L" Dimension)                                                                                                                                                                                          | OPERATING<br>FORCE | CONTACT<br>MATERIAL    | CAP<br>(Where Avail.)                                     | CAP<br>COLOR |
|--------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------|-----------------------------------------------------------|--------------|
| TL     | 1100      | (None)* = 3.3mm <input type="checkbox"/><br>A = 3.8mm <input type="checkbox"/><br>B = 4.554mm<br>D = 4.3mm<br>E = 7.5mm<br>F = 12mm<br><br>Right Angle Options<br>C* = 6.45mm <input type="checkbox"/><br>G = 11.2mm | F160<br>F260       | Q = Silver<br>R = Gold | See Cap Options<br>*Caps available for these options only |              |



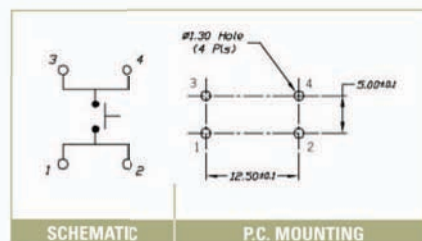
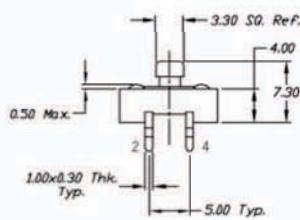
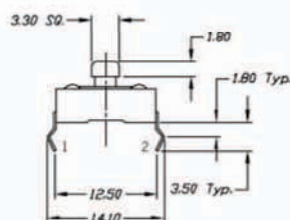
### Example Ordering Number

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

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

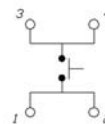
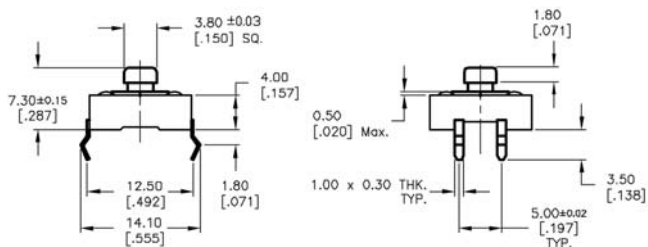
Specifications subject to change without notice.

## TL 1100

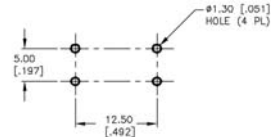




## TL 1100 A

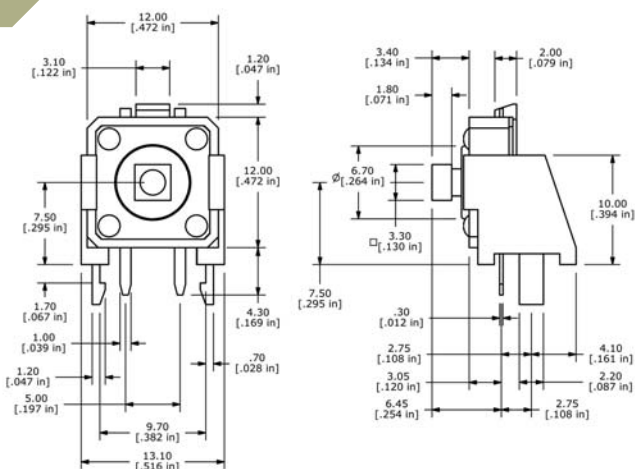


SCHEMATIC

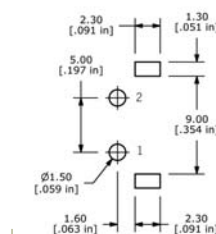


P.C. MOUNTING

## TL 1100 C

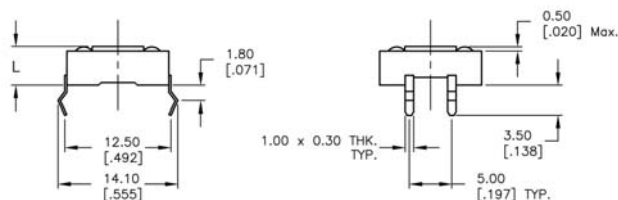


SCHEMATIC



P.C. MOUNTING

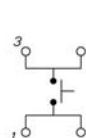
## TL 1100 B &amp; D



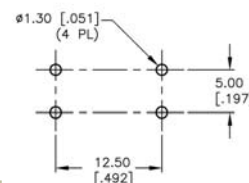
Actuator Length  
(L) in mm

B = 4.55mm

D = 4.3mm

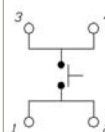
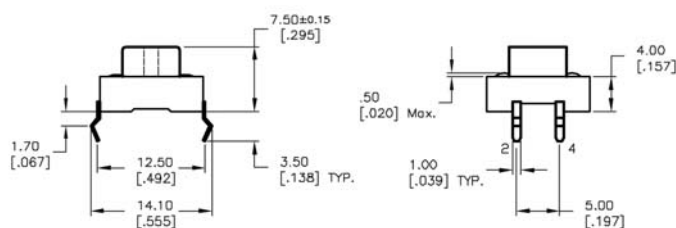


SCHEMATIC

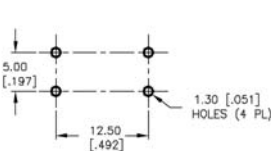


P.C. MOUNTING

## TL 1100 E



SCHEMATIC



P.C. MOUNTING



# SERIES TL1100 SWITCHES

TACT SWITCHES - 12mm x 12mm

TACT  
SWITCHES

NAVIGATION  
SWITCHES

PUSHBUTTON  
SWITCHES

TOGGLE  
SWITCHES

ROCKER  
SWITCHES

SLIDE  
SWITCHES

SNAP-ACTION  
SWITCHES

DIP  
SWITCHES

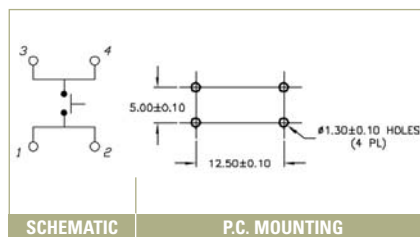
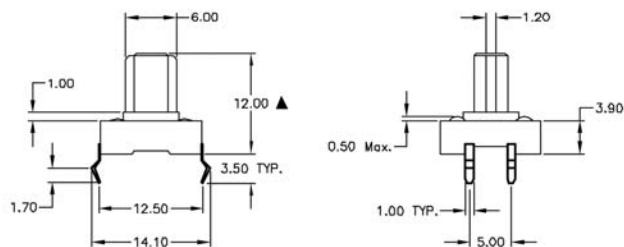
KEYLOCK  
SWITCHES

ROTARY  
SWITCHES

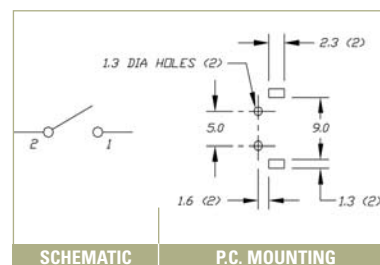
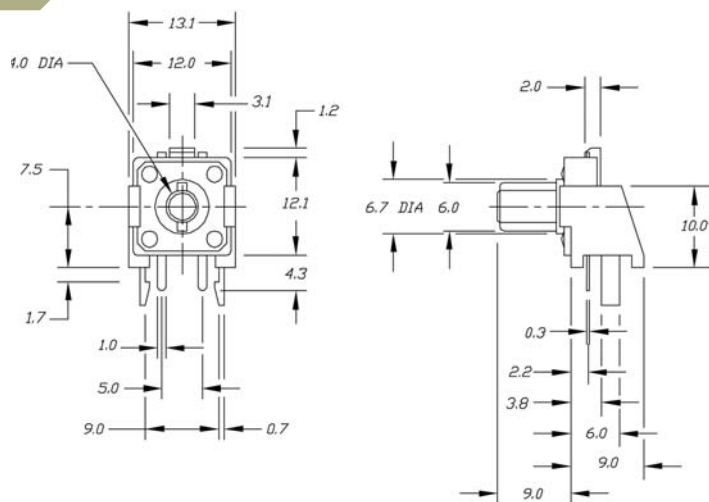
DETECTOR  
SWITCHES

CAP  
OPTIONS

## TL 1100 F



## TL 1100 G



# Mouser Electronics

Authorized Distributor

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

## E-Switch:

[TL1100CF160Q](#) [TL1100GF160Q](#) [TL1100DF160Q](#) [TL1100FF160Q](#) [TL1100EF160Q](#) [TL1100BF160Q](#)  
[TL1100F160Q6JBLK](#) [TL1100F260Q](#) [TL1100F160Q](#) [TL1100TF260Q](#) [TL1100TF260R](#) [TL1100EF160QSSDOME](#)  
[TL1100EF260Q](#) [TL1100F260Q4JWHT](#) [TL1100AF160Q](#) [TL1100BF260Q](#) [TL1100CF160Q.08BLK](#)  
[TL1100CF160Q.08RED](#) [TL1100CF160Q.09BLU](#) [TL1100CF160Q.09GRY](#) [TL1100CF160Q4JBLK](#)  
[TL1100CF160Q4JGRY](#) [TL1100CF160Q5JGRY](#) [TL1100CF160Q6JBLK](#) [TL1100CF260Q.08RED](#) [TL1100DF260Q](#)  
[TL1100F160Q4JBLK](#) [TL1100F160Q4JWHT](#) [TL1100F160Q5JBLK](#) [TL1100F160Q6JGRY](#) [TL1100F160Q6JRED](#)  
[TL1100F260Q4JBLK](#) [TL1100F260Q4JGRY](#) [TL1100F260Q5JBLK](#) [TL1100F260Q5JBLU](#) [TL1100F260R](#)  
[TL1100RF260Q](#) [TL1100SF260Q](#) [TL1100F260Q6JGRY](#) [TL1100CF260R](#)