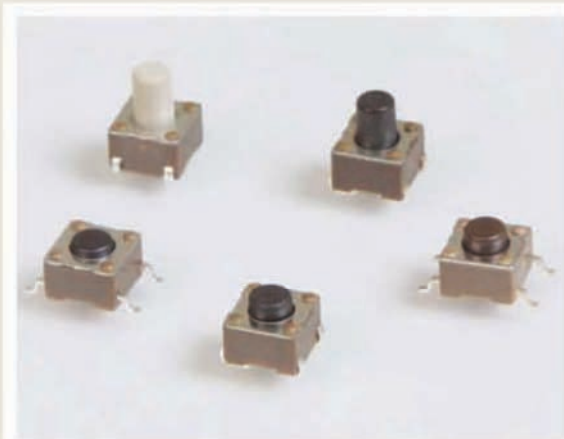




E-SWITCH®

# SERIES TL 3301 SWITCHES

TACT SWITCHES SMT - 6mm x 6mm



## SPECIFICATIONS

|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| Contact Rating:        | 50mA @ 12 VDC                                                                  |
| Life Expectancy:       | 100,000 cycles typical                                                         |
| Contact Resistance:    | 100mΩ max. initial @ 2-4 VDC<br>100mA for both silver and gold plated contacts |
| Insulation Resistance: | 100MΩ min.                                                                     |
| Dielectric Strength:   | 250 VAC                                                                        |
| Actuation Force:       | 100 ± 50 gf, 160 ± 50 gf, 260 ± 50 gf                                          |
| Operating Temperature: | -20°C to 70°C                                                                  |
| Travel:                | 0.25 Typ                                                                       |

## FEATURES & BENEFITS

- ▶ SMT Design
- ▶ Compatible with lead-free soldering

## APPLICATIONS/MARKETS

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



## HOW TO ORDER

| SERIES | MODEL NO. | ACTUATOR*<br>("L" Dimension)                                                                                                                                                       | OPERATING FORCE      | CONTACT MATERIAL       | TERMINATION                 |
|--------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------|-----------------------------|
| TL     | 3301      | T = 2.4mm <input type="checkbox"/><br>SP = 2.8mm <input type="checkbox"/><br>N = 4.3mm<br>A = 5.0mm<br>E = 7.3mm<br>F = 7.0mm<br>C = 8.0mm<br>P = 8.5mm<br>B = 9.5mm<br>D = 13.0mm | F100<br>F160<br>F260 | Q = Silver<br>R = Gold | G = Gull Wing<br>J = J-Lead |

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



## Example Ordering Number

TL-3301-N-F160-Q-J

\* Note: Not all actuator lengths available with tape and reel packaging. Please contact E-Switch to confirm availability.

Specifications subject to change without notice.

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



# SERIES TL 3301 SWITCHES

TACT SWITCHES SMT - 6mm x 6mm

TACT  
SWITCHES

NAVIGATION  
SWITCHES

PUSHBUTTON  
SWITCHES

TOGGLE  
SWITCHES

ROCKER  
SWITCHES

SLIDE  
SWITCHES

SNAP-ACTION  
SWITCHES

DIP  
SWITCHES

KEYLOCK  
SWITCHES

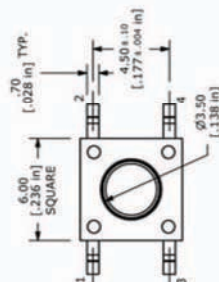
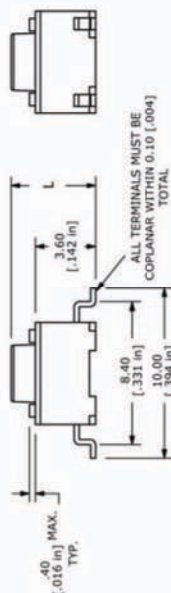
ROTARY  
SWITCHES

DETECTOR  
SWITCHES

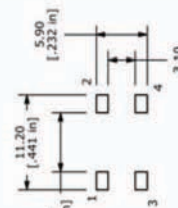
CAP.  
OPTIONS

## TL 3301

GULL WING  
TERMINATION



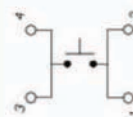
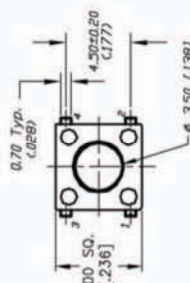
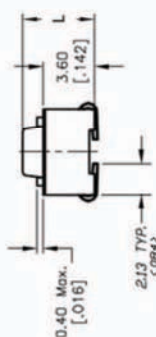
SCHEMATIC



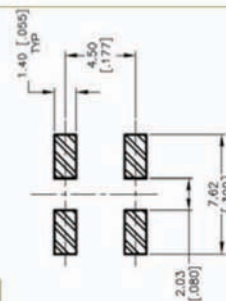
P.C. MOUNTING

## TL 3301

J-LEAD  
TERMINATION



SCHEMATIC



P.C. MOUNTING

# Mouser Electronics

Authorized Distributor

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

## E-Switch:

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[TL3301AF160QJ](#) [TL3301NF160RJ](#) [TL3301SPF260QG T/R](#) [TL3301AF260RG](#) [TL3301BF160RJ](#) [TL3301BF260QJ](#)  
[TL3301CF100QJ](#) [TL3301PF160QJ](#) [TL3301TF100QG](#) [TL3301SPF260QG](#) [TL3301EF100QG](#) [TL3301NF260QG](#)  
[TL3301AF260QG](#) [TL3301NF100QG](#) [TL3301AF100QJ](#) [TL3301AF160QGSSDOME](#) [TL3301AF160RG](#)  
[TL3301AF260QJ](#) [TL3301AF260RJ](#) [TL3301AF520QG](#) [TL3301AF520QJ](#) [TL3301BF100QJ](#) [TL3301BF160QG](#)  
[TL3301BF160QJ](#) [TL3301BF160RG](#) [TL3301BF260QG](#) [TL3301CF100QG](#) [TL3301CF100RG](#) [TL3301CF160QG](#)  
[TL3301CF160QJ](#) [TL3301CF160RG](#) [TL3301CF160RJ](#) [TL3301CF260QG](#) [TL3301CF260QJ](#) [TL3301DF100QJ](#)  
[TL3301DF160QG](#) [TL3301DF160QJ](#) [TL3301DF160RG](#) [TL3301DF260QG](#) [TL3301DF260QJ](#) [TL3301EF100QJ](#)  
[TL3301EF160QG](#) [TL3301EF160QJ](#) [TL3301EF260QG](#) [TL3301FF100QG](#) [TL3301FF100QJ](#) [TL3301FF160QJ](#)  
[TL3301FF260QG](#) [TL3301FF260QJ](#) [TL3301LF260QG](#) [TL3301NF100QJ](#) [TL3301NF160QJ](#) [TL3301NF260QJ](#)  
[TL3301NF260RG](#) [TL3301PF100QG](#) [TL3301PF160QG](#) [TL3301PF260QG](#) [TL3301SPF100QG](#) [TL3301SPF100RG](#)  
[TL3301SPF160QG1RBLK](#) [TL3301SPF160QG94VO](#) [TL3301SPF160QJ](#) [TL3301SPF160RGTAPE](#) [TL3301SPF260QJ](#)  
[TL3301TF160QJ](#) [TL3301TF160RG](#) [TL3301TF500QG](#) [TL3301TF260RJ](#) [TL3301TF260RG](#) [TL3301AF160RJ](#)  
[TL3301DF250RG](#) [TL3301FF100RG](#)