

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

SERIES TL1105 SWITCHES

TACT SWITCHES - 6mm x 6mm



SPECIFICATIONS

| | |
|------------------------|---|
| Contact Rating: | 50mA @ 12 VDC (50mA @ 50VDC-gold) |
| 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: | 250 VAC |
| Actuation Force: | 100 ± 50 gf, 160 ± 50 gf, 250 ± 50 gf |
| Operating Temperature: | -20°C to 70°C |
| Travel: | 0.25 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 MTL/ TERMINATION | CAP (Where Avail.) | CAP COLOR |
|--|-----------|--|----------------------|-----------------------------|--|--------------|
| TL TLE = Earth Ground LL = Long Life | 1105 | (None) = 4.3mm A = 5.0mm B = 9.5mm C = 8.0mm D = 13.0mm E = 7.3mm F = 7.0mm G = 9.7mm H = 12.5mm K = 13.5mm (Not available for LL Series) L = 17.0mm P = 8.5mm Y = 16.3mm T = 2.4mm <input type="checkbox"/> SP = 2.8mm <input type="checkbox"/> | F100 F160 F250 | Q = Silver R = Gold | See Cap Options Caps available for SP option only. | |

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

**Note: Contact E-Switch for additional
Operating Force Options.**

| | | | | | |
|----------------------|---------------------|---|----------------------|------------------------|--|
| TL LL = Long Life | 1105 (Rt. Angle) | V = 3.85mm W = 3.15mm X = 5.85mm R = 6.15mm M = 6.85mm S = 8.35mm N = 11.85mm Q = 15.85mm J = 2.4mm <input type="checkbox"/> JA = 2.8mm <input type="checkbox"/> | F100 F160 F250 | Q = Silver R = Gold | See Cap Options Caps available for JA option only. |
|----------------------|---------------------|---|----------------------|------------------------|--|



Example Ordering Number

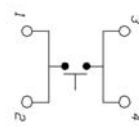
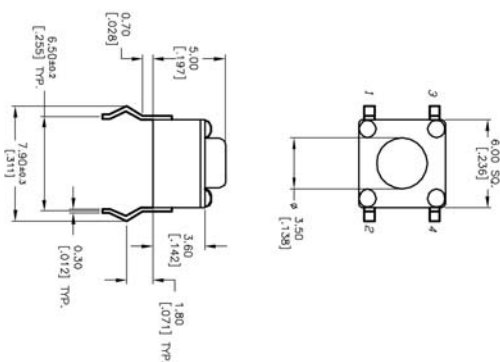
TL-1105-SP-F160-Q-1R RED

☐ – Square Snap-on Actuator Head
"L" Dimension is 6.35mm

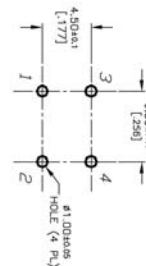
Specifications subject to change without notice.



TL 1105/LL 1105



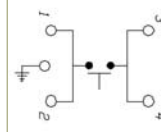
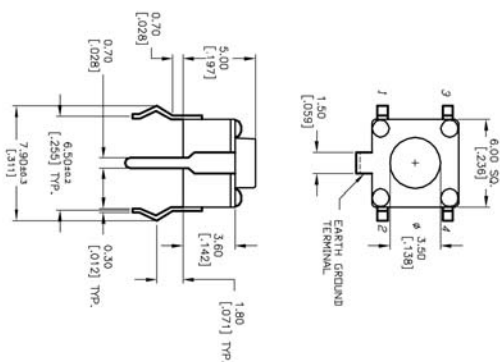
SCHEMATIC



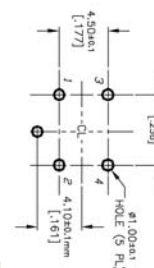
P.C. MOUNTING

TLE 1105

TLE (EARTH TERMINAL)



SCHEMATIC

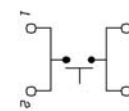
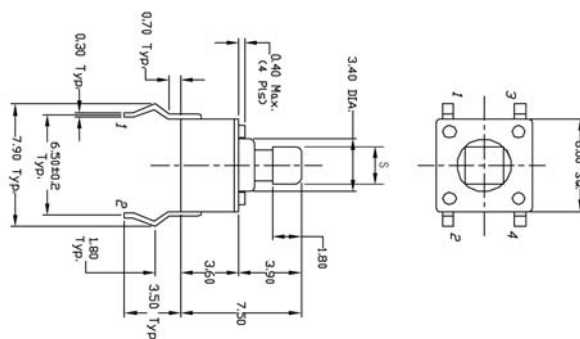


P.C. MOUNTING

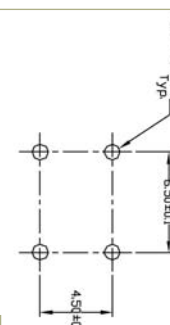
TL 1105 T



| Model No. | 'S' Dim. |
|-----------|----------|
| TL1105T | 2.4 mm |
| TL1105SP | 2.8 mm |



SCHEMATIC



P.C. MOUNTING

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SERIES TL1105 SWITCHES

TACT SWITCHES - 6mm x 6mm

TACT
SWITCHES

NAVIGATION
SWITCHES

PUSHBUTTON
SWITCHES

TOGGLE
SWITCHES

ROCKER
SWITCHES

SLIDE
SWITCHES

SNAP-ACTION
SWITCHES

DIP
SWITCHES

KEYLOCK
SWITCHES

ROTARY
SWITCHES

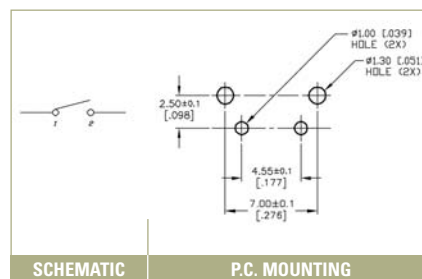
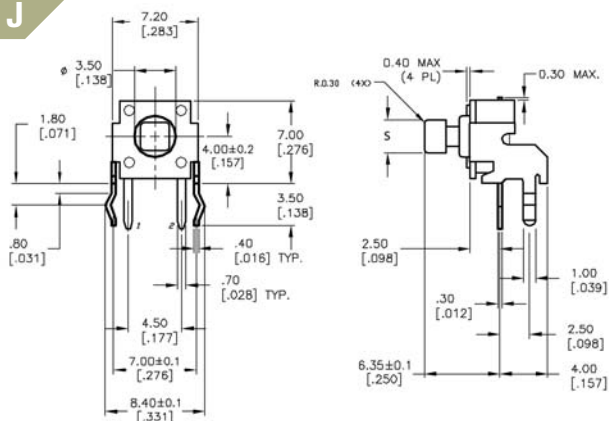
DETECTOR
SWITCHES

CAP
OPTIONS

TL 1105 J/LL 1105 J



| Model No. | 'S' Dim. |
|-----------|----------|
| TL1105J | 2.4 mm |
| TL1105JA | 2.8 mm |

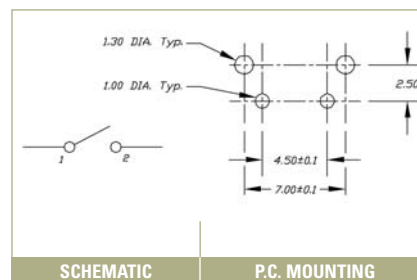
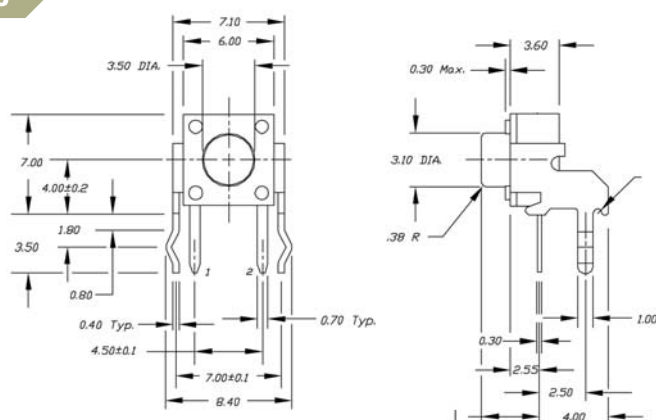


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P.C. MOUNTING

TL 1105/LL 1105

RIGHT ANGLE



SCHEMATIC

P.C. MOUNTING

Mouser Electronics

Authorized Distributor

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

E-Switch:

[TL1105BF250Q](#) [TL1105JAF250Q](#) [TL1105WF100Q](#) [TL1105EF250Q](#) [TL1105AF250Q](#) [TL1105SF250Q](#)
[TL1105RF160Q](#) [TL1105QF160Q](#) [TL1105AF160Q](#) [TL1105MF160Q](#) [TL1105BF160Q](#) [TL1105JF160Q](#)
[TL1105NF160Q](#) [TL1105TF160Q](#) [TL1105SF160Q](#) [TL1105XF160Q](#) [TL1105CF160Q](#) [TL1105LF160Q](#)
[TL1105WF160Q](#) [TL1105DF160Q](#) [TL1105WF250Q](#) [TL1105EF100Q](#) [TL1105SPF100Q](#) [TL1105MF250Q](#)
[TL1105RF250Q](#) [TL1105VF100Q](#) [TL1105SF100Q](#) [TL1105CF250Q](#) [TL1105JAF160Q](#) [TL1105SPF160Q](#)
[TL1105VF160Q](#) [TL1105BF100Q](#) [TL1105AF100Q](#) [TL1105LF250Q](#) [TL1105VF250Q](#) [TL1105DF100Q](#) [TL1105F100Q](#)
[TL1105NF250Q](#) [TL1105JAF100Q](#) [TL1105LF100Q](#) [TL1105DF250Q](#) [TL1105RF100Q](#) [TL1105SPF250Q](#)
[TL1105F160Q](#) [TL1105F250Q](#) [LL1105QF065Q](#) [TL1105AF160R](#) [TL1105HF250R](#) [TL1105SF160Q94V0](#) [TL1105JA-](#)
[F250Q](#) [TL1105PF160Q](#) [TL1105FF160Q](#) [TL1105GF160Q](#) [TL1105WF160Q-STD](#) [LL1105AF065Q](#) [LL1105BF065Q](#)
[LL1105PF065Q](#) [LL1105SPF065Q](#) [LL1105VF065Q](#) [LL1105WF065Q](#) [TL1105BF100R](#) [TL1105CF100Q](#)
[TL1105CF160R](#) [TL1105DF160R](#) [TL1105FF100Q](#) [TL1105FF250Q](#) [TL1105GF250Q](#) [TL1105HF100Q](#) [TL1105HF160Q](#)
[TL1105HF250Q](#) [TL1105JAF100Q1DBLK](#) [TL1105JAF100Q1RBLK](#) [TL1105JAF160Q1DBLK](#) [TL1105JAF160Q1DBLU](#)
[TL1105JAF160Q1RBLK](#) [TL1105JAF160Q1RRED](#) [TL1105JAF160Q1RWHT](#) [TL1105JAF160Q1SBLK](#)
[TL1105JAF160Q1SWHT](#) [TL1105JAF160R1RBLK](#) [TL1105JAF250Q1CBLK](#) [TL1105JAF250Q1DBLK](#)
[TL1105JAF250Q1RBLK](#) [TL1105JAF250Q1SBLK](#) [TL1105JF100Q](#) [TL1105KF160Q](#) [TL1105KF250Q](#) [TL1105PF100Q](#)
[TL1105PF250Q](#) [TL1105QF160R](#) [TL1105RF160R](#) [TL1105SF160R](#) [TL1105SPF100Q1RBLK](#) [TL1105SPF160Q1CBLK](#)
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[TL1105SPF160R](#) [TL1105TF160R](#)