



E-SWITCH®

SERIES TL 6100 SWITCHES

TACT SWITCHES - SEALED THRU-HOLE



FEATURES & BENEFITS

- ▶ Multiple gram force options
- ▶ Multiple actuator lengths
- ▶ Process Sealed

APPLICATIONS/MARKETS

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

SPECIFICATIONS

Contact Rating:	50mA@50 VDC
Life Expectancy:	50,000 cycles
Contact Resistance:	50mΩ max., typical @ 5 VDC 100mA for both silver and gold plated contacts
Insulation Resistance:	10000MΩ min.
Dielectric Strength:	300 VAC
Actuation Force:	130± 50 gf, 160± 50 gf, 300± 50 gf, 500± 100 gf
Operating Temperature:	-40°C to 85°C

MATERIALS

Housing:	Nylon
Frame:	Copper alloy, tin plated
Actuator:	Nylon
Moving Contact:	Phoz. Bronze, plated
Terminals:	Copper alloy, plated



HOW TO ORDER

SERIES	MODEL NO.	ACTUATOR ("L" Dimension)	OPERATING FORCE	CONTACT MATERIAL	TERMINATION
TL	6100	A = 4.70mm B = 5.20mm C = 6.90mm D = 10.0mm	F130 F160 F300 F500	Q = Silver R = Gold	P = PC Pin
	6105 = Earth Ground				



Example Ordering Number

TL-6100-A-F130-Q-P

TL	6110 Right Angle	A = 3.50mm B = 4.00mm C = 5.70mm D = 8.70mm	F130 F160 F300 F500	Q = Silver R = Gold	P = PC Pin
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Example Ordering Number

TL-6110-C-F300-R-P

TL	6120 Surface Mount	A = 4.70mm B = 5.20mm C = 6.90mm D = 10.00mm	F130 F160 F300 F500	Q = Silver R = Gold	G = Gullwing
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Example Ordering Number

TL-6120-B-F160-Q-G

Specifications subject to change without notice.

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



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TACT
SWITCHES

NAVIGATION
SWITCHES

PUSHBUTTON
SWITCHES

TOGGLE
SWITCHES

ROCKER
SWITCHES

SLIDE
SWITCHES

SNAP-ACTION
SWITCHES

DIP
SWITCHES

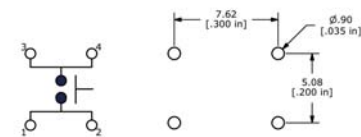
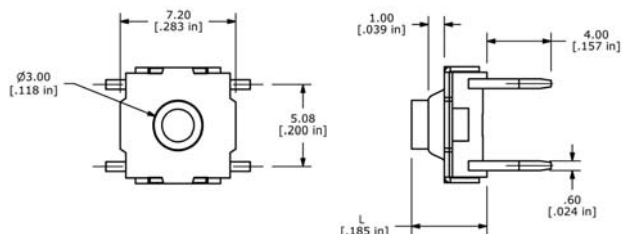
KEYLOCK
SWITCHES

ROTARY
SWITCHES

DETECTOR
SWITCHES

CAP
OPTIONS

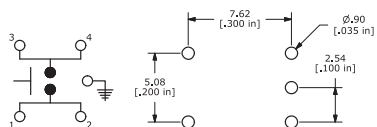
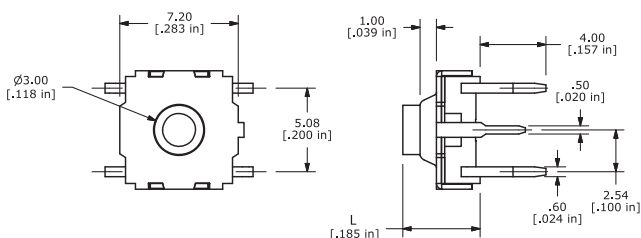
TL 6100



SCHEMATIC

P.C. MOUNTING

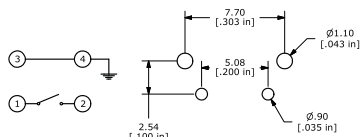
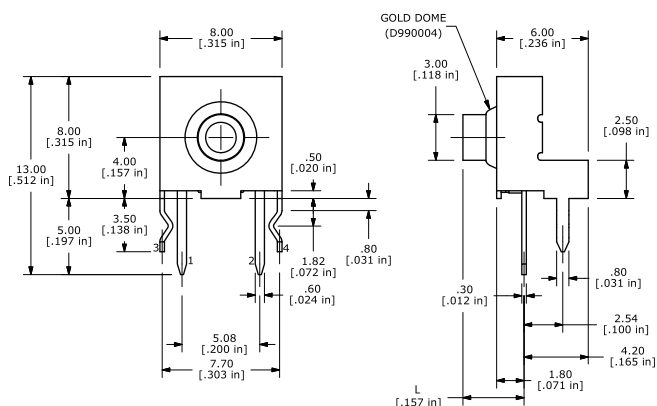
TL 6105



SCHEMATIC

P.C. MOUNTING

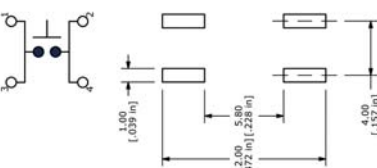
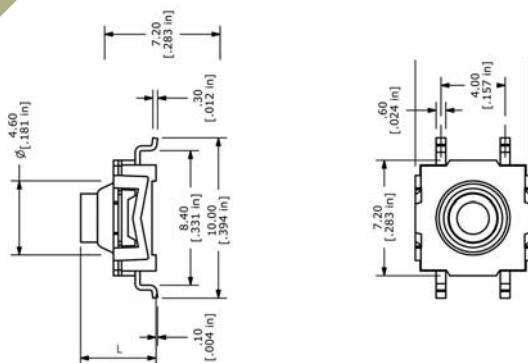
TL 6110



SCHEMATIC

P.C. MOUNTING

TL 6120



SCHEMATIC

P.C. MOUNTING