



Tact Switches TL1100 Series



Specifications: • Contact Rating: 50mA @ 12VDC • Life Expectancy: 100,000 cycles • Contact Resistance: 100mΩ maximum typical @ 2VDC - 4VDC • Insulation resistance: 100MΩ minimum • Actuation Force: 160 ±50gf • Operating Temperature: -20°C - 70°C

Dimensions in mm

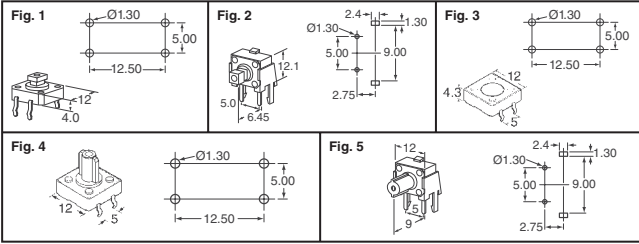


Fig.	Description	Digi-Key Part No.	Price Each			E-Switch Part No.
			1	10	100	
1	12mm Square Extended Actuator, Length 7.3	EG1821-ND	.38	.35	.30	TL1100CF160Q
2	Right Angle 12mm Square Ext. Act., Length 7.3	EG1822-ND	.38	.35	.30	TL1100CF160Q
3	12mm Square Flat Actuator	EG1023-ND	.38	.35	.30	TL1100DF160Q
4	12mm Square Long Flat Actuator	EG1826-ND	.38	.35	.30	TL1100EF160Q
4	12mm Square Post Actuator, Length 12.0	EG1024-ND	.33	.30	.26	TL1100FF160Q
5	12mm Square R/A Post Actuator, Length 9.0	EG1025-ND	.55	.50	.43	TL1100GF160Q
Key Caps						
	W=12 x 12mm Black Fits 12mm Ext. Act. Types	EG1080-ND	.15	.14	.12	4JBLK
	W=12 x 12mm Grey Fits 12mm Ext. Act. Types	EG1079-ND	.15	.14	.12	4JGRY
	W=12 x 12mm Red Fits 12mm Ext. Act. Types	EG1078-ND	.15	.14	.12	4JRED
	W=12 x 12mm White Fits 12mm Ext. Act. Types	EG1077-ND	.15	.14	.12	4JWHT
	W=8 x 8mm Black Fits, 12mm Ext. Act. Types	EG1885-ND	.15	.14	.12	6JBLK
	W=8 x 8mm Red Fits, 12mm Ext. Act. Types	EG1886-ND	.15	.14	.12	6JRED
	W=8 x 8mm White Fits 12mm Ext. Act. Types	EG1887-ND	.15	.14	.12	6JWHT
	W=8 x 8mm Grey Fits 12mm Ext. Act. Types	EG1888-ND	.15	.14	.12	6JGRY

Tact Switches TL1105 Series



Specifications: • Contact Rating: 50mA @ 12VDC (50mA @ 50VDC gold) • Life Expectancy: 100,000 cycles • Contact Resistance: 100mΩ maximum typical @ 2VDC - 4VDC • Insulation resistance: 100MΩ minimum • Actuation Force: 100 ±50gf, 160 ±50gf, 250 ±50gf • Operating Temperature: -20°C - 70°C

Dimensions in mm

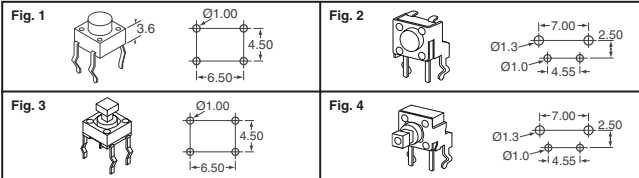


Fig.	Description	Digi-Key Part No.	Price Each			E-Switch Part No.
			1	10	100	
1	6mm Square 4.3mm Actuator 100gf	EG2494-ND	.16	.14	.13	TL1105F100Q
	6mm Square 4.3mm Actuator 160gf	EG1827-ND	.16	.14	.13	TL1105F160Q
	6mm Square 4.3mm Actuator 160gf with ESD	EG2490-ND	.24	.22	.19	LE1105F160Q
	6mm Square 4.3mm Actuator 250gf	EG1828-ND	.16	.14	.13	TL1105F250Q
	6mm Square 5mm Actuator 100gf	EG2495-ND	.23	.21	.18	TL1105AF100Q
	6mm Square 5mm Actuator 160gf	EG1829-ND	.23	.21	.18	TL1105AF160Q
	6mm Square 5mm Actuator 160gf with ESD	EG2491-ND	.24	.22	.19	LE1105AF160Q
	6mm Square 5mm Actuator 250gf	EG1830-ND	.23	.21	.18	TL1105AF250Q
	6mm Square 7.0mm Actuator 160gf	EG4369-ND	.16	.14	.13	TL1105FF160Q
	6mm Square 7.3mm Actuator 100gf	EG2496-ND	.16	.14	.13	TL1105EF100Q
	6mm Square 7.3mm Actuator 160gf	EG1831-ND	.16	.14	.13	TL1105EF160Q
	6mm Square 7.3mm Actuator 250gf	EG1832-ND	.16	.14	.13	TL1105EF250Q
	6mm Square 8.5mm Actuator 160gf	EG4371-ND	.16	.14	.13	TL1105PF160Q
	6mm Square 9.5mm Actuator 100gf	EG2497-ND	.16	.14	.13	TL1105BF100Q
	6mm Square 9.5mm Actuator 160gf	EG1833-ND	.16	.14	.13	TL1105BF160Q
2	6mm Square 9.5mm Actuator 250gf	EG1834-ND	.16	.14	.13	TL1105BF250Q
	6mm Square 13mm Actuator 100gf	EG2498-ND	.16	.14	.13	TL1105DF100Q
	6mm Square 13mm Actuator 160gf	EG1865-ND	.16	.14	.13	TL1105DF160Q
	6mm Square Gold Plating 13mm Actuator 160gf	EG4565-ND	.81	.73	.63	TL1105DF160R
	6mm Square 13mm Actuator 250gf	EG1866-ND	.16	.14	.13	TL1105DF250Q
	6mm Square 17mm Actuator 100gf	EG2504-ND	.26	.23	.20	TL1105LF100Q
	6mm Square 17mm Actuator 160gf	EG2505-ND	.26	.23	.20	TL1105LF160Q
	6mm Square 17mm Actuator 250gf	EG2506-ND	.26	.23	.20	TL1105LF250Q
	6mm Square Right Angle 3.15mm Actuator 100gf	EG2499-ND	.30	.27	.23	TL1105WF100Q
	6mm Square Right Angle 3.15mm Actuator 160gf	EG1835-ND	.30	.27	.23	TL1105WF160Q
	6mm Square Right Angle 3.15mm Actuator 250gf	EG1836-ND	.30	.27	.23	TL1105WF250Q
	6mm Square Right Angle 3.85mm Actuator 100gf	EG2507-ND	.30	.27	.23	TL1105VF100Q
	6mm Square Right Angle 3.85mm Actuator 160gf	EG2508-ND	.30	.27	.23	TL1105VF160Q
	6mm Square Right Angle 3.85mm Actuator 250gf	EG2509-ND	.31	.28	.24	TL1105VF250Q
	6mm Square Right Angle 5.85mm Actuator 100gf	EG4559-ND	.30	.27	.23	TL1105XF100Q
6mm Square Right Angle 5.85mm Actuator 160gf	EG4372-ND	.31	.29	.25	TL1105XF160Q	
6mm Square Right Angle 5.85mm Actuator 160gf	EG4373-ND	1.10	.98	.85	TL1105XF160Q94V0	
6mm Square Right Angle 5.85mm Actuator 250gf	EG4560-ND	.30	.27	.23	TL1105XF250Q	
6mm Square Right Angle 6.15mm Actuator 160gf	EG1837-ND	.30	.27	.23	TL1105RF160Q	
6mm Square Right Angle 6.15mm Actuator 250gf	EG1838-ND	.30	.27	.23	TL1105RF250Q	
6mm Square Right Angle 6.85mm Actuator 160gf	EG4370-ND	.30	.27	.23	TL1105MF160Q	
6mm Square Right Angle 8.35mm Actuator 100gf	EG2501-ND	.30	.27	.23	TL1105SF100Q	

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

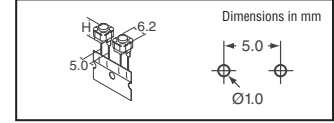
Fig.	Description	Digi-Key Part No.	Price Each			E-Switch Part No.
			1	10	100	
2	6mm Square Right Angle 8.35mm Actuator 160gf	EG1839-ND	.30	.27	.23	TL1105SF160Q
	6mm Square Right Angle 8.35mm Actuator 250gf	EG1840-ND	.30	.27	.23	TL1105SF250Q
3	6mm Square 7.5mm Extended Actuator 100gf	EG2502-ND	.23	.21	.18	TL1105SPF100Q
	6mm Square 7.5mm Extended Actuator 160gf	EG1861-ND	.23	.21	.18	TL1105SPF160Q
	6mm Square 7.5mm Extended Actuator 250gf	EG1862-ND	.23	.21	.18	TL1105SPF250Q
4	6mm Square R/A 2.8mm Ext. Actuator 100gf	EG2503-ND	.41	.37	.32	TL1105JAF100Q
	6mm Square R/A 2.8mm Ext. Actuator 160gf	EG1863-ND	.41	.37	.32	TL1105JAF160Q
	6mm Square R/A 2.8mm Ext. Actuator 250gf	EG1864-ND	.41	.37	.32	TL1105JAF250Q

Radial Lead Tact Switches TL59 Series



Specifications:

• Contact Rating: 50mA @ 12VDC • Life Expectancy: 100,000 cycles • Contact Resistance: 100mΩ maximum typical @ 2VDC - 4VDC • Insulation resistance: 100MΩ minimum • Actuation Force: 100 ±50gf, 160 ±50gf, 260 ±50gf • Operating Temperature: -20°C - 70°C



Description	H Dim. (mm)	Digi-Key Part No.	Cut Tape Price Each			E-Switch Part No.
			1	10	100	
6.2mm Square, Actuator 160gf	4.3	EG2532CT-ND	.26	.22	.20	TL59NF160Q
6.2mm Square, Actuator 160gf	4.3	EG2532TB-ND†	102.18/1,000			TL59NF160Q
6.2mm Square, Actuator 260gf	4.3	EG4568CT-ND	.26	.22	.20	TL59NF260Q
6.2mm Square, Actuator 260gf	4.3	EG4568TB-ND†	102.18/1,000			TL59NF260Q
6.2mm Square, Actuator 100gf	5.00	EG4378CT-ND	.26	.22	.20	TL59AF100Q
6.2mm Square, Actuator 100gf	5.00	EG4378TB-ND†	102.18/1,000			TL59AF100Q
6.2mm Square, Actuator 160gf	5.00	EG2533CT-ND	.26	.22	.20	TL59AF160Q
6.2mm Square, Actuator 160gf	5.00	EG2533TB-ND†	102.18/1,000			TL59AF160Q
6.2mm Square, Actuator 160gf	7.00	EG4566CT-ND	.26	.22	.20	TL59FF160Q
6.2mm Square, Actuator 160gf	7.00	EG4566TB-ND†	102.18/1,000			TL59FF160Q
6.2mm Square, Actuator 260gf	7.00	EG4567CT-ND	.26	.21	.19	TL59FF260Q
6.2mm Square, Actuator 260gf	7.00	EG4567TB-ND†	98.70/1,000			TL59FF260Q

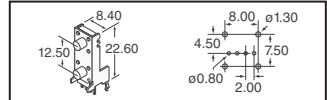
† Tape and Box † Tape and Reel

Dual Tact Switches TL53 Series



Specifications:

Dimensions in mm
• Contact Rating: 50mA @ 12VDC • Life Expectancy: 100,000 cycles • Contact Resistance: 100mΩ maximum typical @ 2VDC - 4VDC • Insulation resistance: 100MΩ minimum • Actuation Force: 160 ±50gf • Operating Temperature: -20°C - 70°C



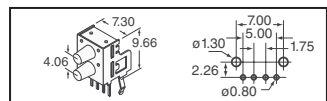
Description	Digi-Key Part No.	Price Each			E-Switch Part No.
		1	10	100	
Dual Tact, 5.85mm Actuator 160gf	EG4600-ND	1.25	1.12	.97	TL53BF160Q
Dual Tact, 6.15mm Actuator 160gf	EG4601-ND	1.25	1.12	.97	TL53CF160Q
Dual Tact, 7.35mm Actuator 160gf	EG4603-ND	1.25	1.12	.97	TL53EF160Q

Dual Tact Switches TL2243 Series



Specifications:

Dimensions in mm
• Contact Rating: 50mA @ 12VDC • Life Expectancy: 50,000 cycles • Contact Resistance: 100mΩ maximum typical @ 2VDC - 4VDC • Insulation resistance: 100MΩ minimum • Actuation Force: 180 ±50gf • Operating Temperature: -20°C - 70°C



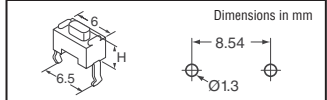
Description	Digi-Key Part No.	Price Each			E-Switch Part No.
		1	10	100	
Dual Tact, 6.80mm Actuator 180gf	EG4606-ND	.51	.46	.40	TL2243

Rectangular Tact Switches TL1107 Series



Specifications:

• Contact Rating: 50mA @ 12VDC • Life Expectancy: 50,000 cycles • Contact Resistance: 100mΩ maximum typical @ 2VDC - 4VDC • Insulation resistance: 100mΩ minimum • Operating Force: 130 ±50gf, 180 ±50gf • Operating Temperature: -20°C - 70°C



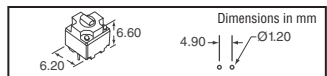
Description	H Dim. (mm)	Digi-Key Part No.	Price Each			E-Switch Part No.
			1	10	100	
6 x 3.5mm, 130gf	4.3	EG2510-ND	.30	.28	.24	TL1107AF130WQ
6 x 3.5mm, 180gf	4.3	EG2511-ND	.30	.28	.24	TL1107AF180WQ
6 x 3.5mm, 130gf	5.0	EG2512-ND	.30	.28	.24	TL1107BF130WQ
6 x 3.5mm, 180gf	5.0	EG2513-ND	.30	.28	.24	TL1107BF180WQ

Tact Switches TL1140 Series



Specifications:

• Contact Rating: 50mA @ 30VDC • Life Expectancy: 1,000,000 cycles • Contact Resistance: 100mΩ @ 5VDC • Insulation resistance: 100MΩ minimum • Actuation Force: 70 ±20gf • Operating Temperature: -25°C - 85°C



Description	Digi-Key Part No.	Price Each			E-Switch Part No.
		1	10	100	
2-Lead, 6.2mm Square, 70gf	EG4413-ND	.48	.43	.37	TL1140AF070Q