E•SWITCH™

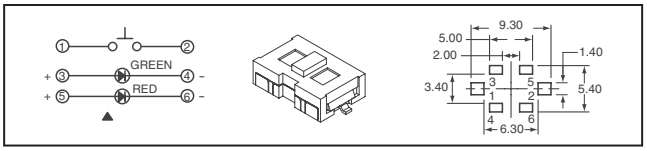
Dual LED Tact Switches

RoHS COMPLIANT

SPECIFICATIONS:

• Rating: 12VDC, 50mA maximum • Contact Resistance: 500mΩ maximum • Insulation Resistance: 100VDC, 100MΩ minimum • Travel: 0.25mm • Operating Force: 160 +75/-30gf • Operating Temperature: -20°C ~ 70°C • Operating Life: 30,000 Cycles • Switching Function: Momentary

Dimensions in mm



Color	Digi-Key Part No.	Price Each 1	10	100	Digi-Key Part No.	T&R Pricing 3,000	E-Switch Part No.
Green/Red	EG4409CT-ND	2.28	1.83	1.65	EG4409TR-ND	1034.26/M	TL3200AF160GRQ
Red/Red	EG4410CT-ND▲	2.28	1.83	1.65	EG4410TR-ND	1034.26/M	TL3200AF160RRQ

▲ **EG4626-ND** SMT Subminiature Tact Switch Sample Kit includes 10 each of switches denoted

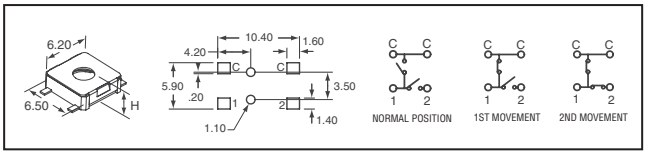
Dual Action Tact Switches

RoHS COMPLIANT

SPECIFICATIONS:

• Contact Resistance: 200mΩ max. • Rating: 30VDC, 20mA • Stroke: 1st - 0.30±0.10, 2nd - 0.55±0.15 • Life Cycle: 10,000 min. • Forces: 1st - 100±40gf, 2nd - 250±80gf

Dimensions in mm



Function	Dim. H (mm)	Digi-Key Part No.	Price Each 1	10	100	Digi-Key Part No.	T&R Pricing 1,200	E-Switch Part No.
Without Actuator	2.00	EG4411CT-ND	.92	.74	.67	EG4411TR-ND	356.87/M	TL3350AF100Q
With Actuator	3.80	EG4412CT-ND▲	.92	.74	.67	EG4412TR-ND	356.87/M	TL3350BF100Q

▲ **EG4626-ND** SMT Subminiature Tact Switch Sample Kit includes 10 each of switches denoted

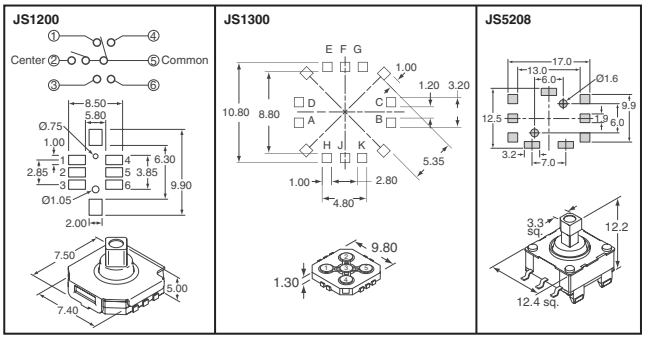
Navigation Switches

JS1200, JS1300 and JS5208 Multi-Directional

Digi-Reel®

RoHS COMPLIANT

Dimensions in mm



JS1200 Series: Mechanical Specifications: • Mechanical Life: 200,000 actuations in any direction • Typical Travel: Push: 0.15+/-.01mm; Tilt: 0.20+/-.01 • Switching Function: Momentary **Electrical Specifications:** • Contact Rating: 12VDC, 20mA • Contact Resistance (Initial maximum): 500mΩ • Insulation Resistance: 100MΩ • Dielectric Strength: 100VAC **Environmental Specifications:** • Operating Temperature: -25°C ~ 70°C

JS1300 Series: Mechanical Specifications: • Mechanical Life: 100,000 actuations • Typical Travel: Center: 0.19 +/- 0.15mm; Tilt: 0.35+/-0.15mm • Switching Function: Momentary **Electrical Specifications:** • Contact Rating: 12VDC, 50mA • Contact Resistance (Initial maximum): 100mΩ • Insulation Resistance: 100MΩ • Dielectric Strength: 250VAC **Environmental Specifications:** • Operating Temperature: -25°C ~ 70°C

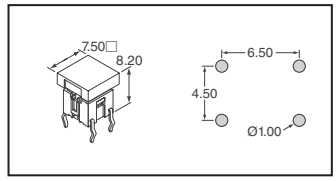
JS5208 Series: Specifications: • Contact Rating: 20mA, 15VDC • Life Expectancy: 100,000 actuations • Contact Resistance: (Initial maximum) 100mΩ • Operating Force: Tilt: 280+/-100 grams; Push: 500+/-150 grams • Dielectric: 250VAC • Operating Temperature: -20°C ~ 70°C • Travel: Tilt: 8°; Push: 1.0 +/-0.2mm

Function	Digi-Key Part No.	Price Each 1	10	100	Digi-Key Part No.	Tape & Reel Qty.	Pricing	E-Switch Part No.
JS1200 Series								
With Select and Boss	EG4357CT-ND	2.41	1.93	1.74	EG4357TR-ND	750	842.34	JS1200AAQ
With Select no Boss	EG4358CT-ND	2.41	1.93	1.74	EG4358TR-ND	1,500	930.59/M	JS1200ABQ
JS1300 Series								
With Select no Boss	EG4408CT-ND	1.77	1.42	1.28	EG4408TR-ND	2,500	803.47/M	JS1300AQ
JS5208 Series								
With Select and Boss	EG4561-ND	2.67	2.39	2.06	—	—	—	JS5208

Tact Switches Illuminated 1240 Series

RoHS COMPLIANT

Dimensions in mm



SPECIFICATIONS:

• Contact Rating: 50mA @ 12VDC • Life Expectancy: 100,000 cycles • Contact Resistance: 100mΩ (max.) typical, initial @ 2 ~ 4VDC • Actuation Force: 160gf ± 50gf • Operating Temperature: -20°C ~ 70°C

FEATURES:

• Multiple LED color options • Reliable dome technology • Independent LED leads

MARKETS:

• Consumer Electronics • Audio/Visual • Medical • Testing/Instrumentation • Computer/Servers/Peripherals

LED Color	Cap Color	Peak Forward Current (mA)	Luminous Intensity (mcd)	Forward Voltage (V)	Digi-Key Part No.	Price Each 1	10	100	E-Switch Part No.
No LED	No Cap	—	—	—	EG4609-ND	.56	.50	.44	TL1240NQ
No LED	Black	—	—	—	EG4610-ND	.70	.63	.54	TL1240NQ1JBLK
Green	No Cap	25	3	2.8	EG4611-ND	1.54	1.38	1.19	TL1240GQ
Red	No Cap	30	25	2.3	EG4612-ND	1.54	1.38	1.19	TL1240RQ
Yellow	No Cap	20	9	2.8	EG4613-ND	1.54	1.38	1.19	TL1240YQ
Green	Clear	25	3	2.8	EG4614-ND	1.68	1.50	1.30	TL1240GQ1JCLR
Red	Clear	30	25	2.3	EG4615-ND	1.68	1.50	1.30	TL1240RQ1JCLR
Yellow	Clear	20	9	2.8	EG4616-ND	1.68	1.50	1.30	TL1240YQ1JCLR
Red	Black	30	25	2.3	EG4617-ND	2.45	2.19	1.89	TL1240RQ2JBLK
Yellow	Black	20	9	2.8	EG4618-ND	2.45	2.19	1.89	TL1240YQ2JBLK
Green	Black	25	3	2.8	EG4619-ND	2.45	2.19	1.89	TL1240GQ2JBLK

Tact Switches Illuminated 1290 Series

RoHS COMPLIANT

SPECIFICATIONS:

• Contact Rating: 100mA @ 32VDC • Electrical Life: 25,000 cycles • Contact Resistance: 250mΩ (initial max.) • Force: 500 ± 125gf • Travel: 1.0 ± 0.2mm to Electrical Make; 2.0 ± 0.2mm Full Travel • Insulation Resistance: 100MΩ (Min. at 500VDC) • Dielectric Strength: 250VAC • Operating Temperature: -20°C ~ 70°C

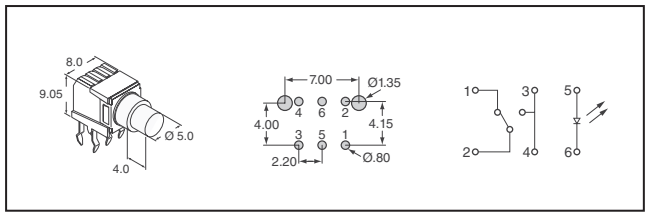
FEATURES:

• Gold plated contacts for high reliability switching • Sharp, tactile response • Long travel

MARKETS:

• Consumer Electronics • Audio/Visual • Medical • Testing/Instrumentation • Telecommunications • Computer/Servers/Peripherals

Dimensions in mm



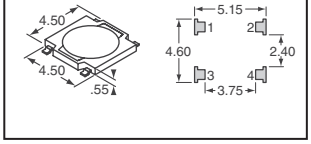
LED Color	Forward Current (mA)	Luminous Intensity (mcd)	Forward Voltage (@ 20mA)	Digi-Key Part No.	Price Each 1	10	100	E-Switch Part No.
Blue	30	350 ~ 700	3.5 ~ 4.0	EG4623-ND	4.25	3.79	3.27	TL1290AF500BR
Red	40	75 ~ 120	1.5 ~ 2.4	EG4624-ND	4.25	3.79	3.27	TL1290AF500RR
Green	30	60 ~ 100	1.7 ~ 2.8	EG4625-ND	4.25	3.79	3.27	TL1290AF500GR

Low Profile Tact Switches 3315 Series

Digi-Reel®

RoHS COMPLIANT

Dimensions in mm



SPECIFICATIONS:

• Force: 100 ± 30gf; 160 ± 50gf; 250 ± 50gf • Contact Rating: 50mA @ 15VDC • Contact Resistance: 200mΩ (initial max.) • Insulation Resistance: 50MΩ (Min. @ 100VDC) • Dielectric Strength: 250VAC • Operating Temperature: -20°C ~ 70°C

APPLICATIONS:

• Consumer Electronics • Audio/Visual • Medical • Testing/Instrumentation • Telecommunications • Computer/Servers/Peripherals

Operating Force (gf)	Digi-Key Part No.	Pricing 1	10	100	E-Switch Part No.
100	EG4620CT-ND†	.15	1.18	10.59	TL3315NF100Q
	EG4620TR-ND‡		294.03/5,000		TL3315NF100Q
160	EG4621CT-ND†▲	.15	1.18	10.59	TL3315NF160Q
	EG4621TR-ND‡		294.03/5,000		TL3315NF160Q
250	EG4622CT-ND†	.15	1.18	10.59	TL3315NF250Q
	EG4622TR-ND‡		294.03/5,000		TL3315NF250Q

† Cut Tape ‡ Tape and Reel ▲ **EG4626-ND** SMT Subminiature Tact Switch Sample Kit includes 10 each of switches denoted

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.**