

# E-SWITCH Pushbutton Switches



## E-SWITCH LP1/LP4 SERIES ILLUMINATED PUSHBUTTON

- Features:**
- Panel Mount
  - Multiple Illuminated options
  - Aesthetic look
- Specifications:**
- Computer Servers/peripherals
  - Performance Audio
  - Instrumentation
  - Telecommunications/networking

LED Specifications	Blue	Red	Green
Forward Current (mA)	20mA	20mA	20mA
Forward Voltage@20mA	3.4-4.0 VDC	1.5-2.4 VDC	2.0-2.4 VDC
Luminous Intensity	200 mcd@5mA	300 mcd	50 mcd

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Function Style	Circuit	Cap Size	LED	Price Each		
							1	10	100
612-LP10A1AB	LP10A1AB	A	Momentary	SPST	5.4mm	Blue	5.74	5.12	4.42
612-LP10A1AG	LP10A1AG	A	Momentary	SPST	5.4mm	Green	3.97	3.54	3.06
612-LP10A1AR	LP10A1AR	A	Momentary	SPST	5.4mm	Red	3.97	3.54	3.06

- Features:**
- Latching and momentary options
  - Illuminated
  - Right angle and vertical mount options
  - Multiple bezel and button designs
- Specifications:**
- Telecommunications
  - Consumer Electronics
  - Audio/visual peripherals
  - Medical
  - Testing, instrumentation
  - Computer, servers, peripherals

LED Specifications	Red
Forward Current (mA)	20mA
Forward Voltage@20mA	1.9-2.5 VDC
Luminous Intensity	200 mcd

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Function Style	Circuit	Cap Size	LED	Price Each		
							1	10	100
612-LP4EE1PBATR	LP4EE1PBATR	B	Latching	DPDT	Square w/Bezel	Red	4.84	4.30	3.71
612-LP4EE1RBATR	LP4EE1RBATR	B	Latching	DPDT	Square w/Bezel	Red	5.95	5.29	4.56
612-LP4OA1PBBTR	LP4OA1PBBTR	C	Momentary	DPDT	Round w/Bezel	Red	4.84	4.30	3.71
612-LP4OA1PBCTR	LP4OA1PBCTR	D	Momentary	DPDT	Round w/o Bezel	Red	4.56	4.06	3.50

## E-SWITCH 320 SERIES MOMENTARY PUSHBUTTON SWITCHES

- Contact rating: 25mA
- Contact resistance: 50mΩ initially
- Operating force: 120 ± 50gf
- Travel: .7mm
- Contact form: SPST
- Voltage rating: 50VDC
- 320.02E1-1.09 has 15.88mm diameter cap
- 320.02E1-1.094 has 11.88mm square cap

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Cap Color	Price Each					
				1	10	50	100	250	500
612-320.02E11.08BK	320.02E1-1.08BLK	E	Black	2.01	1.81	1.54	1.20	1.17	1.16
612-320.02E11.08GY	320.02E1-1.08GRY	E	Gray	1.88	1.69	1.44	1.21	1.18	1.17
612-320.02E11.08RD	320.02E1-1.08RED	E	Red	2.01	1.81	1.54	1.20	1.17	1.16
612-320.02E11.08WT	320.02E1-1.08WHT	E	White	2.78	2.50	2.13	1.66	1.58	1.48
612-320.02E11.08YL	320.02E1-1.08YEL	E	Yellow	2.01	1.81	1.54	1.20	1.17	1.16
612-320.02E11.08BL	320.02E1-1.08BLU	E	Blue	2.01	1.81	1.54	1.20	1.17	1.16
612-320.02E11.08GN	320.02E1-1.08GRN	E	Green	2.11	1.90	1.62	1.35	1.33	1.32
612-320.02E11.09BK	320.02E1-1.09BLK	E	Black	2.11	1.90	1.62	1.34	1.33	1.32
612-320.02E11.09GY	320.02E1-1.09GRY	E	Gray	3.19	2.87	2.45	1.90	1.84	1.83
612-320.02E11.09BL	320.02E1-1.09BLU	E	Blue	3.19	2.87	2.45	1.90	1.84	1.83
612-320.02E11.09GN	320.02E1-1.09GRN	E	Green	2.11	1.90	1.62	1.54	1.52	1.50
612-320.02E11.094BK	320.02E1-1.094BLK	F	Black	1.98	1.78	1.51	1.18	1.14	1.13
612-320.02E11.094GY	320.02E1-1.094GRY	F	Gray	1.98	1.78	1.51	1.18	1.14	1.13
612-320.01E1-1GRY	320.01E1-1GRY	F	Gray	1.59	1.44	1.22	.96	.92	.91
612-320.01E1-1RED	320.01E1-1RED	F	Red	1.59	1.44	1.22	.96	.92	.91
612-320.01E1-1WHT	320.01E1-1WHT	F	White	1.59	1.44	1.22	.96	.908	.855
612-320.01E1-1YEL	320.01E1-1YEL	F	Yellow	1.59	1.44	1.22	.96	.92	.91
612-320.01E1-1BLU	320.01E1-1BLU	F	Blue	1.59	1.44	1.22	.96	.92	.91
612-320.01E1-1GRN	320.01E1-1GRN	F	Green	1.59	1.44	1.22	.96	.908	.855
612-320E1-1BLK	320E1-1BLK	G	Black	1.59	1.44	1.22	.96	.92	.91
612-320E1-1GRY	320E1-1GRY	G	Gray	1.59	1.44	1.22	.96	.92	.91
612-320E1-1RED	320E1-1RED	G	Red	1.59	1.44	1.22	.96	.92	.91
612-320E1-1WHT	320E1-1WHT	G	White	1.59	1.44	1.22	.96	.91	.90
612-320E1-1YEL	320E1-1YEL	G	Yellow	1.59	1.44	1.22	.96	.92	.91
612-320E1-1BLU	320E1-1BLU	G	Blue	1.82	1.65	1.40	1.10	1.04	1.02
612-320E1-1GRN	320E1-1GRN	G	Green	1.59	1.44	1.22	.96	.92	.91
612-320.22E1-1BLK	320.22E1-1BLK	H	Black	2.16	1.94	1.66	1.30	1.22	1.15
612-320.22E1-1WHT	320.22E1-1WHT	H	White	2.16	1.94	1.66	1.30	1.22	1.15
612-320.22E1-1YEL	320.22E1-1YEL	H	Yellow	2.16	1.94	1.66	1.30	1.22	1.15
612-320.22E1-1BLU	320.22E1-1BLU	H	Blue	2.16	1.94	1.66	1.30	1.22	1.15
612-320.21E1-1BLK	320.21E1-1BLK	I	Black	1.65	1.49	1.26	.99	.939	.879

## E-SWITCH TL SERIES PUSHBUTTON SWITCH

- Contact rating: 0.1A/30VDC
- Contact resistance: 100mΩ max

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Circuit Action	Contact Form	Price Each				
					1	10	50	100	250
612-TL4201EEYA	TL4201EEYA	J	Latching	4PDT	1.85	1.67	1.42	1.11	1.05

## E-SWITCH P197/P227 SERIES

### Power Pushbutton Switches

- Contact rating for P197 series: 5A @ 250VAC
- Contact rating for P227 series: 7A @ 250 VAC
- Mechanical configuration: latching



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Circuit Form	Termination	Bracket Type	Circuit Action	Price Each				
							1	10	50	100	250
612-P197SBEE	P197EESB	K	SPST-NO	Solder Lug	Threaded	Latching	2.70	2.43	2.07	1.62	1.52
612-P227EEB18	P227EEB18	L	DPDT	Panel Mount	Threaded	Latching	3.22	2.90	2.46	1.93	1.83

### Accessories

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Color	For Use With These Specific Pushbutton & Tactile Series	Price Each				
					1	10	50	100	250
612-1C-BK	1C-BLK	M	Black	MTH, TL1105JA, TL1105SP, TL2285, TL3301SP	.19	.16	.141	.115	.11
612-1C-GR	1C-DGR	M	Gray		.18	.16	.14	.13	.12
612-TAD-BLK	TAD-BLK	M	Black	320.02, 520.04, TA/LT, TL1100C, TL1100, P197, P227	.32	.28	.24	.19	.18
612-TAM-GRY	TAM-GRY	---	Gray		.32	.28	.24	.19	.18
612-1R-BK	1R-BLK	N	Black	MTH, TL1105JA, TL1105SP, TL3301SP	.21	.19	.167	.135	.125
612-1R-RD	1R-RED	N	Red		.28	.23	.19	.18	.17
612-1R-WHT	1R-WHT	N	White		.20	.17	.15	.12	.114
612-TAG-BK	TAG-BLK	O	Black	320.02, 520.04, TA/LT, TL1100C, TL1100, P197, P227	.32	.28	.24	.19	.18
612-TAG-RD	TAG-RED	O	Red		.32	.28	.24	.19	.18
612-4J-BK	4J-BLK	P	Black	320.02, TL1100C, TL100	.14	.13	.11	.08	.079
612-4J-GR	4J-GRY	P	Gray		.14	.13	.11	.08	.079

**DIMENSIONS: mm**

Diagram A: Side view of a pushbutton with a cap diameter of 11.94mm and a base width of 6.50mm.

Diagram B: Top view of a pushbutton with a cap diameter of 11.94mm and a base width of 6.50mm.

Diagram C: Side view of a pushbutton with a cap diameter of 11.94mm and a base width of 6.50mm.

Diagram D: Top view of a pushbutton with a cap diameter of 11.94mm and a base width of 6.50mm.

Diagram E: Side view of a pushbutton with a cap diameter of 11.94mm and a base width of 6.50mm.

Diagram F: Top view of a pushbutton with a cap diameter of 11.94mm and a base width of 6.50mm.

Diagram G: Side view of a pushbutton with a cap diameter of 11.94mm and a base width of 6.50mm.

Diagram H: Top view of a pushbutton with a cap diameter of 11.94mm and a base width of 6.50mm.

Diagram I: Side view of a pushbutton with a cap diameter of 11.94mm and a base width of 6.50mm.

Diagram J: Top view of a pushbutton with a cap diameter of 11.94mm and a base width of 6.50mm.

Diagram K: Side view of a pushbutton with a cap diameter of 11.94mm and a base width of 6.50mm.

Diagram L: Top view of a pushbutton with a cap diameter of 11.94mm and a base width of 6.50mm.

Diagram M: Side view of a pushbutton with a cap diameter of 11.94mm and a base width of 6.50mm.

Diagram N: Top view of a pushbutton with a cap diameter of 11.94mm and a base width of 6.50mm.

Diagram O: Side view of a pushbutton with a cap diameter of 11.94mm and a base width of 6.50mm.

Diagram P: Top view of a pushbutton with a cap diameter of 11.94mm and a base width of 6.50mm.