

# 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 of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Function Style	Circuit	Cap Size	LED	Price Each		
							1	10	100
LP10A1AB	612-LP10A1AB	A	Momentary	SPST	5.4mm	Blue	5.07	4.52	3.90
LP10A1AG	612-LP10A1AG	A	Momentary	SPST	5.4mm	Green	3.51	3.13	2.70
LP10A1AR	612-LP10A1AR	A	Momentary	SPST	5.4mm	Red	3.51	3.13	2.70

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

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

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Function Style	Circuit	Cap Size	LED	Price Each		
							1	10	100
LP4EE1PBATR	612-LP4EE1PBATR	B	Latching	DPDT	Square w/Bezel	Red	4.26	3.79	3.27
LP4EE1RBATR	612-LP4EE1RBATR	B	Latching	DPDT	Square w/Bezel	Red	4.91	4.37	3.77
LP40A1PBBTR	612-LP40A1PBBTR	C	Momentary	DPDT	Round w/Bezel	Red	4.26	3.79	3.27
LP40A1PBCTR	612-LP40A1PBCTR	D	Momentary	DPDT	Round w/o Bezel	Red	4.00	3.56	3.07

## E-SWITCH 320 SERIES MOMENTARY PUSHBUTTON SWITCHES

- Specifications:**
- 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

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	1.13	1.06	1.00
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	2.01	1.81	1.54	1.20	1.14	1.07
612-320.02E11.08YL	320.02E1-1.08YEL	E	Yellow	2.01	1.81	1.54	1.20	1.14	1.07
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	2.01	1.81	1.54	1.20	1.14	1.09
612-320.02E11.09BK	320.02E1-1.09BLK	E	Black	2.11	1.90	1.62	1.26	1.22	1.21
612-320.02E11.09GY	320.02E1-1.09GRY	E	Gray	2.11	1.90	1.62	1.26	1.22	1.21
612-320.02E11.09BL	320.02E1-1.09BLU	E	Blue	2.11	1.90	1.62	1.26	1.22	1.21
612-320.02E11.09RD	320.02E1-1.09RED	E	Red	2.11	1.90	1.62	1.26	1.22	1.21
612-320.02E11.09GN	320.02E1-1.09GRN	E	Green	2.11	1.90	1.62	1.26	1.20	1.12
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	1.59	1.44	1.22	.96	.908	.89
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
612-320.22E1-1GRN	320.22E1-1GRN	H	Green	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
612-320.21E1-1GRY	320.21E1-1GRY	I	Gray	1.65	1.49	1.26	.99	.939	.879
612-320.21E1-1YEL	320.21E1-1YEL	I	Yellow	2.22	2.00	1.70	1.33	1.26	1.18
612-320.21E1-1BLU	320.21E1-1BLU	I	Blue	1.65	1.49	1.26	.99	.939	.879
612-320.21E1-1GRN	320.21E1-1GRN	I	Green	1.65	1.49	1.26	.99	.939	.879

## E-SWITCH TL SERIES PUSHBUTTON SWITCHES

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

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Circuit Action	Contact Form	Price Each				
					1	10	50	100	250
612-TL22850A	TL22850A	J	Momentary	DPDT	.90	.81	.69	.54	.51
612-TL2285EE	TL2285EE	J	Latching	DPDT	.84	.76	.65	.50	.48
612-TL4201EEYA	TL4201EEYA	K	Latching	4PDT	1.85	1.67	1.42	1.11	1.05

For quantities of 500 and up, call for quote.

## E-SWITCH P197/P227 SERIES

### Power Pushbutton Switches

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



RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Form	Termination	Bracket Type	Circuit Action	Price Each				
							1	10	50	100	250
612-P197SBEE	P197EESB	L	SPST-NO	Solder Lug	Threaded	Latching	2.70	2.43	2.07	1.62	1.52
612-P227EEB18	P227EE2B18	M	DPDT	Panel Mount	Threaded	Latching	3.22	2.90	2.46	1.93	1.83

### Accessories

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Color	For Use With These Specific Pushbutton and Tactile Series	Price Each				
					1	10	50	100	250
612-1C-BK	1C-BLK	N	Black	MTH, TL1105JA, TL1105SP, TL2285, TL3301SP	.22	.19	.16	.13	.125
612-1C-GR	1C-DGR	N	Gray		.18	.16	.14	.13	.12
612-TAD-BLK	TAD-BLK	N	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	O	Black	MTH, TL1105JA, TL1105SP, TL3301SP	.21	.19	.16	.13	.12
612-1R-RD	1R-RED	O	Red		.19	.18	.15	.12	.113
612-1R-WHT	1R-WHT	O	White		.20	.17	.15	.12	.114
612-TAG-BK	TAG-BLK	P	Black	320.02, 520.04, TA/LT, TL1100C, TL1100, P197, P227	.32	.28	.24	.19	.18
612-TAG-RD	TAG-RED	P	Red		.32	.28	.24	.19	.18
612-4J-BK	4J-BLK	Q	Black	320.02, TL1100C, TL100	.14	.13	.11	.08	.079
612-4J-GR	4J-GRY	Q	Gray		.14	.13	.11	.08	.079

**DIMENSIONS: mm**

Diagram A: Side view of a pushbutton with a cap diameter of 6.50mm and a height of 7.50mm. The base is 12.50mm square.

Diagram B: Top view of a pushbutton with a cap diameter of 6.50mm and a base width of 10.20mm. The base is 12.50mm square.

Diagram C: Side view of a pushbutton with a cap diameter of 6.50mm and a height of 7.50mm. The base is 12.50mm square.

Diagram D: Top view of a pushbutton with a cap diameter of 6.50mm and a base width of 10.20mm. The base is 12.50mm square.

Diagram E: Side view of a pushbutton with a cap diameter of 6.50mm and a height of 7.50mm. The base is 12.50mm square.

Diagram F: Top view of a pushbutton with a cap diameter of 6.50mm and a base width of 10.20mm. The base is 12.50mm square.

Diagram G: Side view of a pushbutton with a cap diameter of 2.55mm and a height of 7.50mm. The base is 12.50mm square.

Diagram H: Top view of a pushbutton with a cap diameter of 2.55mm and a base width of 8.00mm. The base is 12.50mm square.

Diagram I: Side view of a pushbutton with a cap diameter of 16.00mm and a height of 8.00mm. The base is 12.40mm square.

Diagram J: Top view of a pushbutton with a cap diameter of 16.00mm and a base width of 8.00mm. The base is 12.40mm square.

Diagram K: Side view of a pushbutton with a cap diameter of 5.70mm and a height of 8.50mm. The base is 13.10mm wide.

Diagram L: Top view of a pushbutton with a cap diameter of 5.70mm and a base width of 17.90mm. The base is 18.00mm wide.

Diagram M: Side view of a pushbutton with a cap diameter of 30.50mm and a height of 5.00mm. The base is 13.70mm wide.

Diagram N: Top view of a pushbutton with a cap diameter of 30.50mm and a base width of 13.70mm.

Diagram O: Side view of a cylindrical component with a diameter of 13.70mm.

Diagram P: Top view of a cylindrical component with a diameter of 13.70mm.

Diagram Q: Side view of a cylindrical component with a diameter of 13.70mm.