ADAM TECH

SWITCHES
Rocker ▪ Toggle ▪ Pushbutton ▪ Keylock

Switches: Rocker ▪ Toggle ▪ Pushbutton ▪ Keylock

Adam Tech's board switch range offers a variety of options, including termination style, circuit, function, and actuator types. Specialty switches are available, such as ruggedized and sealed waterproof. The Adam Tech Switch line provides the versatility necessary to be integrated into a wide range of market applications.

FEATURES AND BENEFITS:
- Sealed waterproof and other specialty switches
- Circuits: SPST, SPDT, DPST, DPDT, and 3PDT
- Multiple function options
- Solder type, PCB and quick connect terminations
- Variety of actuator types
- LED lighted actuators w/ color options
- UL Recognized File no. WOYR2.E520713

ROCKER SWITCHES SPECIFICATIONS:

Material:
Housing: PA66
Actuator: PA66
Contacts: Copper Alloy
Terminals: Brass

Plating:
Contacts: Silver or Gold
Terminals: Silver over Copper underplate

Electrical:
Operating Voltage Range: 20 to 250 V AC
Current Rating Range: 0.4 to 20 Amps
Contact Resistance Range: 10 to 100 mΩ Max.
Insulation Resistance Range: 100 to 1000 MΩ Min.
Dielectric Withstanding Voltage: 1500V AC for 1 Minute

TEMPERATURE RATING:
Operating Temperature Range: -30°C ~ +85°C

TOGGLE SWITCHES SPECIFICATIONS:

Material:
Housing: PA66 or Bakelite
Toggle Handle: Brass
Contacts: Copper Alloy
Terminals: Brass

Plating:
Toggle Handle: Chrome
Contacts: Silver or Gold
Terminals: Tin, Silver or Gold

Electrical:
Operating Voltage Range: 125 to 250 V AC
Current Rating Range: 1.5 to 12 Amps
Contact Resistance Range: 10 to 100 mΩ Max.
Insulation Resistance Range: 100 to 1000 MΩ Min.
Dielectric Withstanding Voltage Range: 1000 to 1500V AC for 1 Minute

TEMPERATURE RATING:
Operating Temperature Range: -30°C ~ +85°C

PUSHBUTTON SWITCHES SPECIFICATIONS:

Material:
Body: ABS, PA66, PC, or PBT
Button: Stainless steel, ABS, PC, or POM
Contacts: Copper Alloy
Terminals: Brass

Plating:
Contacts: Tin, Silver or Gold
Terminals: Tin, Silver or Gold

Electrical:
Operating Voltage Range: 32 to 250 V AC
Current Rating Range: 0.4 to 16 Amps
Contact Resistance Range: 10 to 50 mΩ Max.
Insulation Resistance Range: 100 to 1000 MΩ Min.
Dielectric Withstanding Voltage Range: 1000 to 2000V AC for 1 Minute

TEMPERATURE RATING:
Operating Temperature Range: -30°C ~ +85°C

KEYLOCK SWITCHES SPECIFICATIONS:

Material:
Housing: Steel
Terminals: Brass

Plating:
Housing: Polished chrome
Terminals: Tin or Silver

Electrical:
Operating Voltage Range: 125 to 250 V AC
Current Rating Range: 0.5 to 4 Amps
Contact Resistance Range: 20 to 100 mΩ Max.
Insulation Resistance Range: 100 to 1000 MΩ Min.
Dielectric Withstanding Voltage Range: 500 to 1500V AC for 1 Minute

TEMPERATURE RATING:
Operating Temperature Range: -25°C ~ +85°C

Rocker Switches

Adam Tech's Rocker Switch offering is composed of miniature, sub-miniature, and medium sized rocker switches. Specialized sealed rockers are available, with IP67 waterproof ratings. These rocker switch types are offered with various termination options, circuits, functions, and actuators. Standard and LED lighted actuators are available in multiple colors, shapes, and actuator markings.

FEATURES AND BENEFITS:
- Variety of Rocker Switch types
- Sealed waterproof IP67 versions
- Solder type, PCB and quick connect terminations
- Circuits: SPST, SPDT, DPST, and DPDT
- Functions: ON-ON, ON-OFF, OFF-(ON), ON-OFF-ON, and (ON)-OFF-ON
- Rocker shapes: round and rectangular (curved and standard V)
- Standard and custom actuator markings
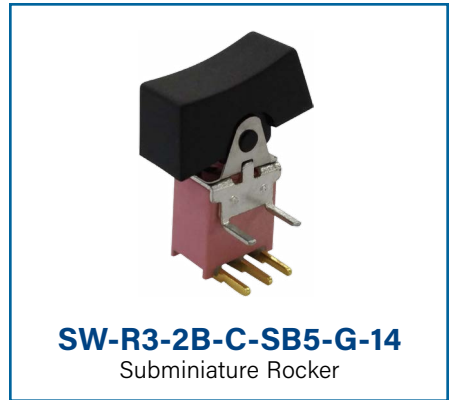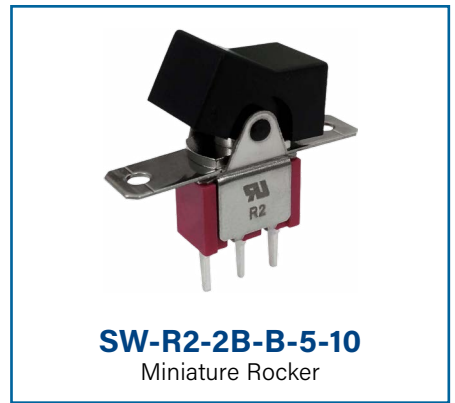- LED lighted actuators w/ color options

APPLICATIONS:
- Household appliances
- Computer hardware
- Power supplies and battery chargers
- Instrumentation
- Telecommunications
- Medical equipment
- Industrial equipment

ROCKER SWITCH PART NUMBER CONFIGURATION

EXAMPLE

| SW | - | R | - | 1 | - | A | - | S | - | LR | 1 | - | 1 |

ITEM	TYPE	CONTACT FORM	SWITCH FUNCTION	TERMINAL OPTION	ACTUATOR COLOR	ACTUATOR MARKING	VERSION / STYLE
SW = Switch	**R** = Rocker **R1** = Medium Rocker **R2** = Miniature Rocker **R3** = Subminiature Rocker	**1** = SPST **2** = SPDT **3** = DPST **4** = DPDT **5** = 3PST **6** = 3PDT	**A** = ON-OFF **B** = ON-ON **C** = OFF-(ON) **D** = ON-(ON) **E** = ON-OFF-ON **F** = ON-OFF-(ON) **G** = (ON)-OFF-(ON) **H** = (ON)-OFF-ON **J** = (ON)-OFF **K** = (ON)-ON	**A** = Solder **B** = PCB Vertical **C** = PCB R/A **D** = Screw Lug **E** = QC .250" [6.35mm] **F** = QC .187" [4.80mm]	**Blank** = Standard Black **SB** = Small Black **W** = White **R** = Red **G** = Green **Y** = Yellow **B** = Blue **O** = Orange **LW** = Lighted White **LR** = Lighted Red **LG** = Lighted Green **LY** = Lighted Yellow **LB** = Lighted Blue **LO** = Lighted Orange	1 = 2 = 3 = 4 = 5 = 6 =	See Datasheets

SW-R1-1A-E-1-0
Medium Rocker

SW-R1-3A-E-LG13-2A
Medium Rocker

SW-R1-3A-E-LR13-0
Medium Rocker

SW-R1-3C-E-1-2
Medium Rocker

SW-R2-1A-F-LR13-5
Miniature Rocker

SW-R2-2B-B-5-10
Miniature Rocker

SW-R2-3A-F-LR13-4
Miniature Rocker

SW-R2-4B-S-1-1
Miniature Rocker

SW-R3-1A-A-1-0
Subminiature Rocker

SW-R3-1A-A-1-2
Subminiature Rocker

SW-R3-2B-B-5-13
Subminiature Rocker

SW-R3-2B-C-SB5-G-14
Subminiature Rocker

Toggle Switches

Adam Tech Toggle Switches are medium, sub-miniature, and miniature switches that are manually actuated by a mechanical lever. They are available in low current, power, and sealed (waterproof) IP67/IP68 versions. Commonly used as light duty control switches, these toggle switches are ideal for switching both high and low currents. This product line boasts a variety of termination styles, circuits, functions, and actuator lengths, making it ideal for a broad range of applications.
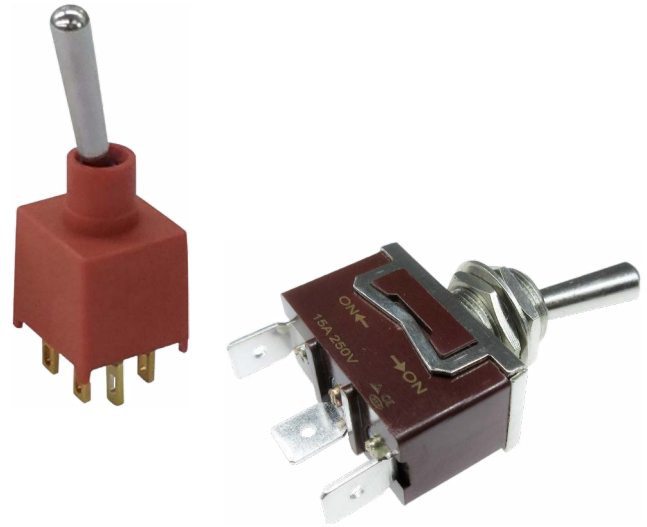
FEATURES AND BENEFITS:

- Variety of Toggle Switch sizes and orientations
- Sealed IP67 waterproof
- Sealed power IP68 waterproof
- Termination styles: solder type, PCB type, screw lug, PCB terminal, and quick connect terminal
- Circuits: SPST, SPDT, DPST, DPDT, and 3PDT
- Functions: ON-ON, ON-OFF, OFF-(ON), and ON-OFF-ON
- Various actuator length options

APPLICATIONS:

- Light controls
- Household appliances
- Commercial appliances
- Telecommunications
- Industrial equipment
- Automotive

TOGGLE SWITCH PART NUMBER CONFIGURATION

EXAMPLE

| SW | - | T1 | - | 1 | - | A | - | S | - | A | - | (S) | - | 1 |

| ITEM	TYPE	CONTACT FORM	SWITCH FUNCTION	TERMINAL OPTION	HANDLE OPTION	CONTACT MATERIAL	VERSION / STYLE
SW = Switch	**T** = Toggle **T1** = Medium Toggle **T2** = Miniature Toggle **T3** = Subminiature Toggle **T4** = Power Toggle	**1** = SPST **2** = SPDT **3** = DPST **4** = DPDT **5** = 3PST **6** = 3PDT **7** = SP3T	**A** = ON-OFF **B** = ON-ON **C** = OFF-(ON) **D** = ON-(ON) **E** = ON-OFF-ON **F** = ON-OFF-(ON) **G** = (ON)-OFF-(ON) **H** = (ON)-OFF-ON	**A** = Solder **B** = PCB Vertical **C** = PCB R/A **D** = Screw Lug **E** = QC .250" [6.35mm] **F** = QC .187" [4.80mm]	**A2** = 11.0mm **B2** = 21.0mm **C2** = 6.9mm **D2** = 12.5mm **E2 & G2** = 15.0mm **F2** = 12.0mm **L2** = 17.0mm **FL2** = 21.0mm **A3** = 9.4mm **C3** = 5.4mm **D3** = 8.9mm **Blank** = 17.5mm **C1** = 14.0mm **D1** = 18.0mm **E1** = 28.0mm **L1** = 50.0mm **TA1** = 16.2mm **T1** = 12.6mm **T2** = 7.6mm **T3** = 10.7mm	**S** = Silver **G** = Gold	See Datasheets

SW-T1-1A-B-K1
Medium Toggle

SW-T1-3A-D-K2
Medium Toggle

SW-T1-4B-B-K2A
Medium Toggle

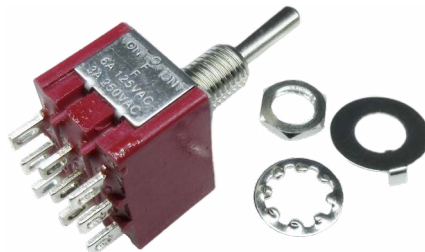**SW-T1-6B-D-C1-K3**
Medium Toggle
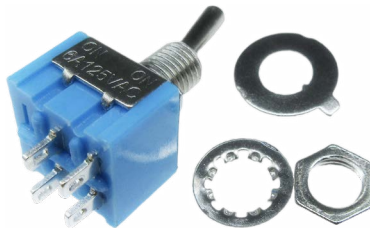
SW-T2-3A-A-A2-M2
Miniature Toggle

SW-T2-4B-A-T1-S-03
Miniature Toggle

SW-T2-4B-B-A2-MA2
Miniature Toggle

SW-T2-6E-A-A2-M3
Miniature Toggle

SW-T3-2B-A-A3-S1
Subminiature Toggle

SW-T3-4B-A-T3-S-05
Subminiature Toggle

SW-T4-1A-E-TA1-01
Power Toggle

SW-T4-2B-E-TA1-01
Power Toggle

Pushbutton Switches

Pushbutton switches are tactile switches commonly used in industrial control panels to operate circuits within a device. Adam Tech offers a vast line of Pushbutton Switches including both metal and plastic shell types. They are available in standard, miniature, and subminiature sizes. Operationally they include snap-acting, alternate acting, low profile, and illuminated pushbutton switches. Specialty pushbuttons including anti-vandal, industrial, high current, high performance, and sealed IP67/IP68 waterproof switches are also available. All pushbutton switches are offered in various termination styles, circuits, functions, and actuator types.

FEATURES AND BENEFITS:
- Variety of Pushbutton Switch types
- IP68 and IP67 sealed waterproof
- IP68 high performance
- High current
- Anti-vandal
- Termination styles: solder type, PCB type, screw lug, and surface mount
- Circuits: SPST, SPDT, and DPDT

- Functions: ON-ON, ON-OFF, OFF-ON, Momentary, Latching, ON-Momentary, OFF-Momentary, NO-NC Momentary, 1NO-1NC (Momentary or Latching), ON-OFF Latching, OFF-ON Momentary, and ON-ON Latching
- Actuator types: round button, round plunger, and square button
- LED lighted actuators w/ color options

APPLICATIONS:
- Industrial control panels
- Household appliances
- Consumer electronics
- Industrial equipment
- Telecommunications

PUSHBUTTON SWITCH PART NUMBER CONFIGURATION

EXAMPLE

SW- PB -1 A S- A - RX -Y-B1- Q - 1 -1

ITEM	TYPE			TERMINAL OPTION	LED TYPE		CONTACT MATERIAL	LED VOLTAGE (ANTI-VANDAL)
SW = Switch	**PB1** = Plastic Pushbutton **PB2** = Plastic Waterproof **PB3** = Foot Switch **PB4** = Game Switch **PB5** = Industrial Switch **PB6** = Door Switch **PB7** = Ant-Vandal Switch **PB8** = Snap Acting Switch **PB9** = Subminiature **PB10** = High Performance Sealed **PB11** = IP67 Front Panel Protection Illuminated			**A** = Solder **B** = PCB Vertical **C** = PCB R/A **D** = Screw Lug **E** = QC .250" [6.35mm] **F** = QC .187" [4.80mm]	**R** = Ring Illuminated **L** = Laser Power Logo **LR** = Laser Power Logo + Ring **LS** = Lens Illuminated **C** = Custom Laser Symbol **F** = Full Illuminated		**Q** = Silver **P** = Silver (Tin Plated Terminals) **R** = Gold **K** = Gold (Tin Plate Terminals) **G** = Silver (Gold Plated Terminals)	**1** = 3V **2** = 6V **3** = 12V **4** = 24V **5** = 48V **6** = 110V **7** = 220V

	CONTACT FORM	SWITCH FUNCTION	FUNCTION	LED COLOR		SHAPE	BUSHING	VERSION / STYLE
	1 = SPST **2** = SPDT **3** = DPST **4** = DPDT **5** = 3PST **6** = 3PDT **7** = SP3T	**A** = OFF-ON **B** = OFF-MOM **C** = ON-MOM **D** = ON-OFF **E** = 1NO-1NC **F** = 1NC **G** = 2NO-2NC **H** = 2NC **J** = ON-ON **K** = ON-(ON)	**S** = Momentary **Z** = Latching	**Blank** = Standard Black **SB** = Small Black **W** = White **R** = Red **G** = Green **Y** = Yellow **B** = Blue **O** = Orange **S** = Silver **RG** = Red/Green **RY** = Red/Yellow **RB** = Red/Blue **RW** = Red/White **GB** = Green/Blue **RGB** = Red/Green/Blue **RGY** = Red/Green/Yellow **RGW** = Red/Green/White **RBY** = Red/Blue/Yellow **RBW** = Red/Blue/White		**Y** = Round **F** = Square **J** = Rectangle **R** = Emergency **M** = Mushroom **X** = Rotary Type **K** = Key Type **H** = Hexagonal	See datasheets	See datasheets

SW-PB1-1DZ-A-P1-A
Plastic Pushbutton

SW-PB2-2EZ-A-L1
IP67 Sealed Metal Pushbutton

SW-PB5-AA2BR112V-IP40-8
IP40 Industrial Pushbutton

SW-PB7-01PB4EBRBM
Anti-Vandal Pushbutton

SW-PB7-03LB22CFRR12V
LED Ring, Flat Anti-Vandal Pushbutton

SW-PB7-06LB22FFPG12V
High Current Anti-Vandal Pushbutton

SW-PB7-07LB42CRRB12V
LED Ring, Raised Anti-Vandal
Pushbutton

SW-PB8-AA00B11GE-2
Snap Acting Pushbutton

SW-PB8-BE222QE-1
Snap Acting Pushbutton

SW-PB9-BB00BQE-5
Subminiature Pushbutton

SW-PB10-AAA1QE-4
IP68 Sealed Pushbutton

SW-PB11-1CSG-10
IP67 Front Panel Protection Illuminated
Pushbutton

Keylock Switches

Keylock switches are rotary switches that utilize a lock and key for additional security. Adam Tech's Keylock Switch offering is composed of a variety of panel mount, solder terminal switches. These switches are available in various panel cutout dimensions, circuits, and functions. Key pull options include single position and multiple positions.

FEATURES AND BENEFITS:
- Panel mount, solder terminal keylock switches
- Panel cutout dimensions: 19mm, 16mm, 15mm, 14.5mm, and 12mm
- Circuits: SP, DP, and SPDT
- Functions: ON-ON, ON-OFF, and OFF-ON-ON
- Single key pull and multiple key pull options

APPLICATIONS:
- Automotive
- Computer hardware
- Security applications
- Audio/video applications
- Medical equipment
- Industrial equipment

KEYLOCK SWITCH PART NUMBER CONFIGURATION

EXAMPLE

SW	-	K	-	3
ITEM		**TYPE**		**VERSION**
SW = Switch		**K** = Keylock		**1-7** = ON-OFF
				5A = OFF-(ON)
				7A = OFF-ON-ON
				8 = ON-ON
				9 = 3P ON-ON
				9A = 6P ON-ON
				10 = 2P ON-OFF
				11-12 = DPST 4P ON-OFF
				11A-12A = SPDT 4P ON-ON
				13 = SP ON-ON
				13A = DP ON-ON
				13B = SP ON-ON-ON
				13C = DP ON-ON-ON
				14 = SP ON-(ON)
				14A = DP ON-(ON)
				14B = SP ON-ON-(ON)
				14C = DP ON-ON-(ON)
				14D = SP or DP (ON)-ON-(ON)
				15 = SP ON-OFF

SW-R-K1-A
11.3mm, Flat Top, ON-OFF, Flat Key

SW-R-K4-A
12mm, Flat Top, ON-OFF, Flat Key

SW-R-K5-A
11.5mm, Raised Top, ON-OFF,
Tubular Key

SW-R-K7A-A
16mm, Flat Top, ON-OFF,
Dome Flat Key

SW-R-K8-A
16mm, Raised Top, ON-ON, Flat Key

SW-R-K9-A
16mm, Raised Top, ON-ON, Flat Key

SW-R-K10-A
19mm, Raised Top, ON-OFF, Flat Key

SW-R-K11B-A
19mm, Raised Top, ON-ON, Flat Key

SW-R-K13A-A
19mm, Dome Top, ON-ON, Flat Key