

# Pushbutton Switches

## Sub-Miniature

**multicomp** PRO

**RoHS**  
**Compliant**



### Specifications

Max. Current/Voltage Rating With Resistive Load	: 400mA 32V AC - 200 mA 50V DC - 125 mA 125V AC.
Initial Contact Resistance	: 50mΩ max.
Insulation Resistance	: 1GΩmin. at 500V DC
Dielectric Strength	: 1,500V AC rms. (initial value)
Electrical Life At Full Load	: 500,000 cycles.
Operating Temperature	: -30°C to 85°C.
Total Travel	: 1.5 mm(.059)
Operating Force	: 3N~6N
Contact Bounce	: 10 ms.
Mechanical Life	: 1,000,000 cycles.
Torque	: 0.5Nm max.
Ingress Protection	: IP68

### Materials

Cap	: Polyamide 6/6.
Plunger	: MPP12-6 : PC MPP12-7 : Polyamide 6/6.
Rubber	: Silicone.
Bushing	: Polyamide 6/6.
Case	: Diallyl phthalate (DAP)(UL94v-0).
Contacts	: Brass with gold over silver plated.

# Pushbutton Switches

## Sub-Miniature



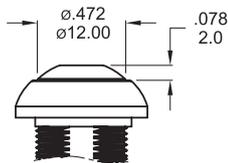
### Switch Function

NO. POLES	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS / SCHEMATIC	
		POS.1	POS.2	POS.1	POS.2
SP	MPP12-6	OFF	(ON)	OPEN	CLOSE
SP	MPP12-7	ON	(OFF)	CLOSE	OPEN

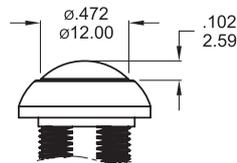
( )=MOMENTARY

### Cap Options

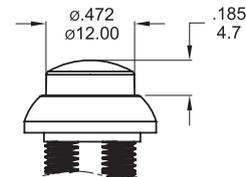
#### Flat STD



#### Round No LED

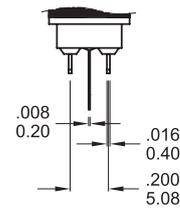
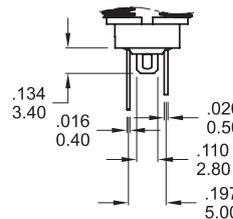
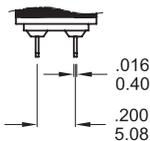
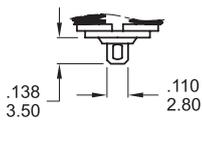


#### High No LED

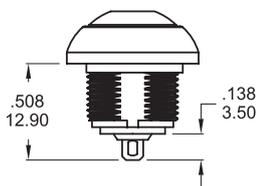


### Terminal Options

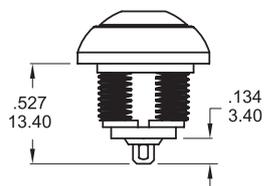
#### M1 Solder lug (STD)



LED



MPP12-6



MPP12-7

Note: Not available with LED

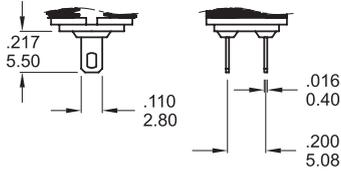
Dimensions : Millimetres

# Pushbutton Switches

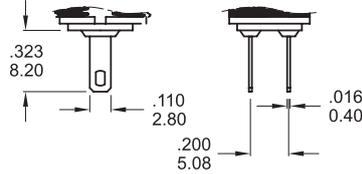
## Sub-Miniature

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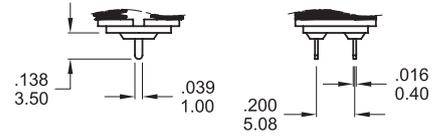
### M2 Solder lug



### M3 Solder lug

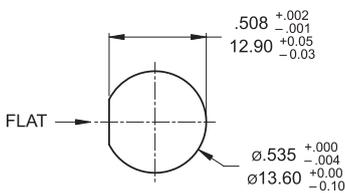


### M4 PC Thru-hole



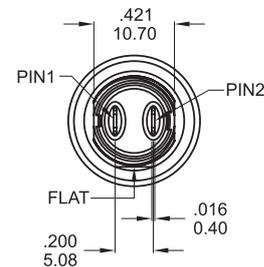
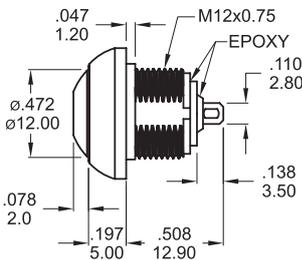
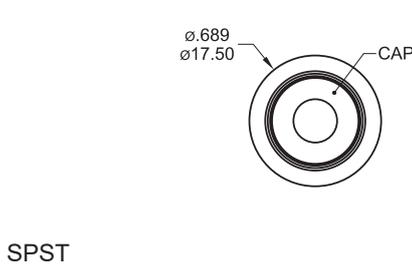
Note: Terminal M2~M4 are only available with MPP12-6 without LED.

### Panel Mounting

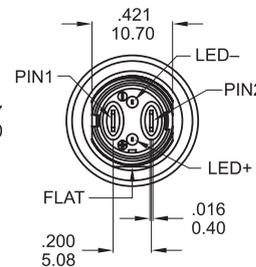
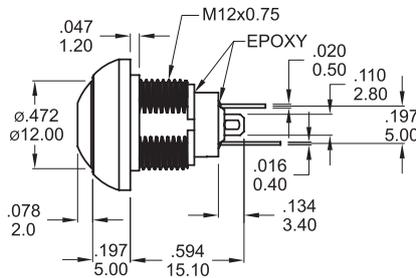
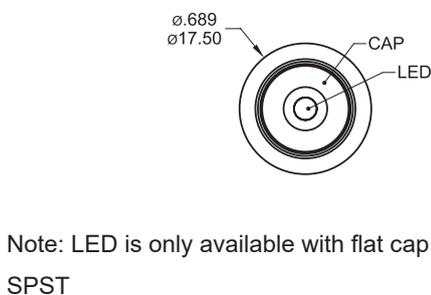


Panel thickness:  
1.5 mm (.059inch) min. -4 mm (.157inch) max.

### Dimension



Model name. MPP12-6B207MM1CAS05L00



Model name. MPP12-6B205MM1CAS05L00

Dimensions : Millimetres

Newark.com/multicomp-pro  
Farnell.com/multicomp-pro  
sg.element14.com/b/multicomp-pro

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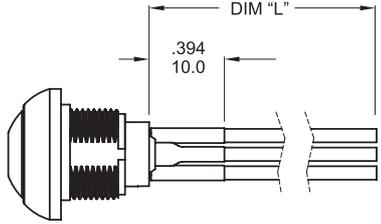
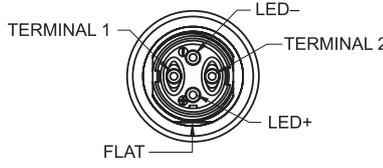
# Pushbutton Switches

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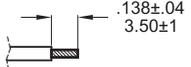
### Wire Options

YXXX Wire leads 20 AWG

EXAMPLE:  - □  
 Model name.      Wire code

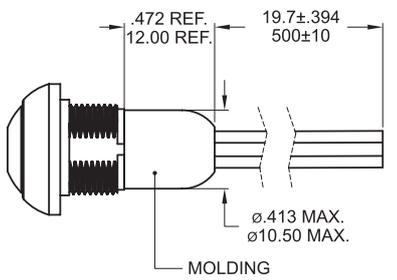
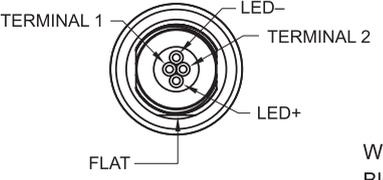



CODE	DIM "L"
Y001	500±10(19.7±.394)
Y002 *	90±5(3.54±.197)
Y003	100±5(3.94±.197)
D001	500±10(19.7±.394)



\* Stripping wire for code Y002.

D001 Molding, 500mm wire leads 20 AWG  
 \*Available with flat cap type only.

Wires:  
 Black wire - Terminal  
 Red wire - LED (+) Positive  
 Green wire - LED (-) Negative  
 \* No Illumination: Black Wire - Terminal

# Pushbutton Switches

## Sub-Miniature

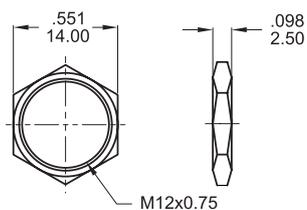
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### Hardware

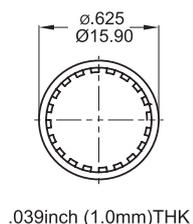
\* Standard hardware : 1 nut, 1 O-ring, 1 lockwasher

\* For further information please consult sales representative.

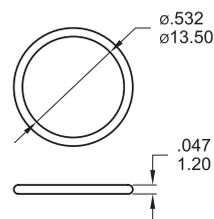
NUT (Std.)



Lockwasher (Std.)



O-Ring (Std.)

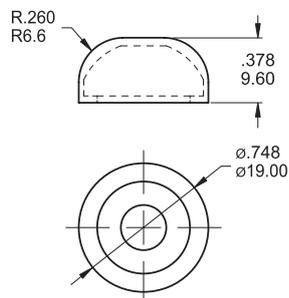


### Rubber Hood

Transparent rubber hood (Std.)



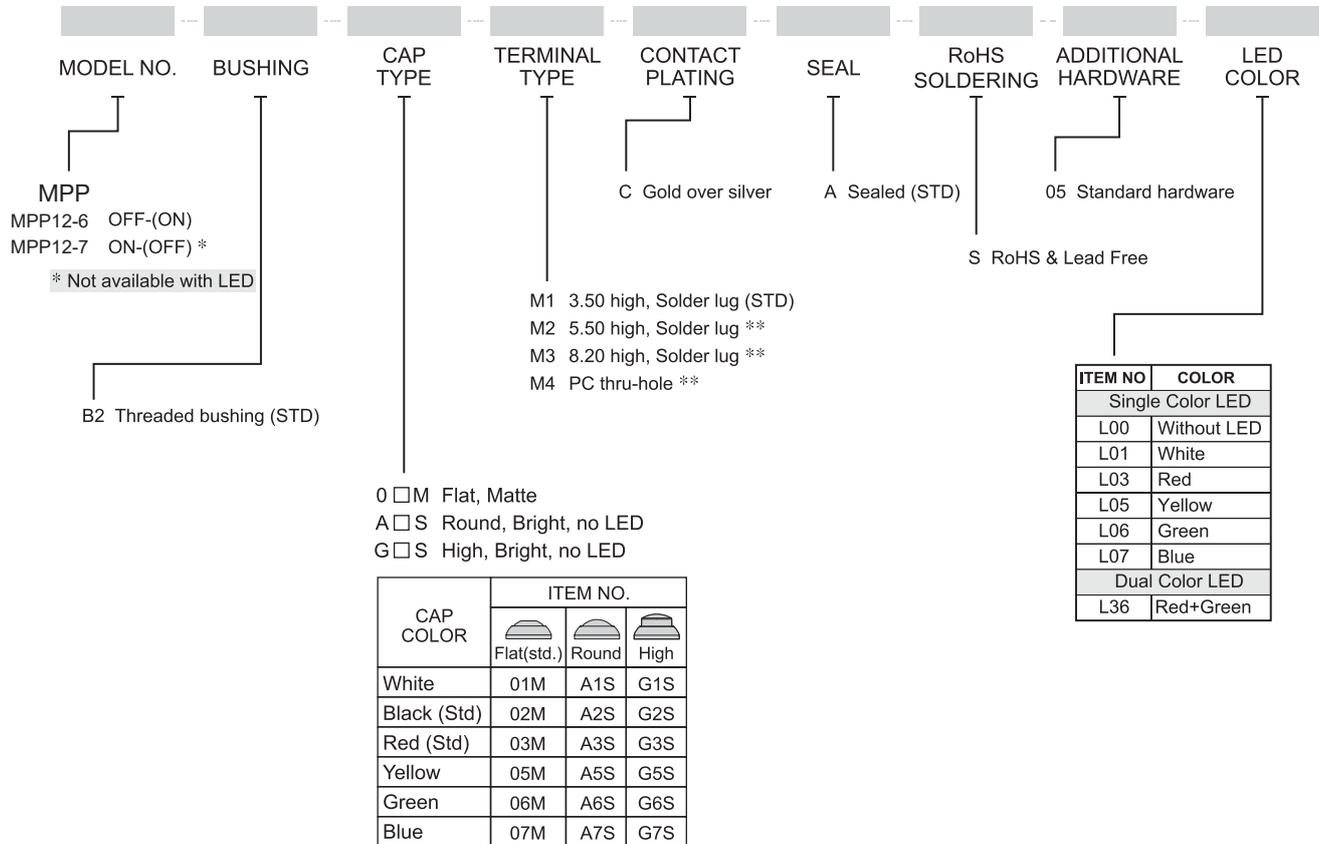
Black rubber hood



# Pushbutton Switches

## Sub-Miniature

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Note: Our standard is with flat cap.  
1.LED is only available with flat cap.  
2.Round and high caps are only available with without LED.

\*\* Terminal M2-M4 are only available with MPP12-6 without LED.

### Example

MPP12-6 B2 M1CAS05L00

MPP12-7 B2 M1CAS05L00

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# Pushbutton Switches

## Sub-Miniature

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**Part Number Table**

Description	Part Number
Pushbutton Switch, Off-On, W/O LED	MPP12-6B202MM1CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B202MM1CAS05L00-S001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B202MM1CAS05L00-Y001
Pushbutton Switch, Off-On, White LED	MPP12-6B202MM1CAS05L01
Pushbutton Switch, Off-On, White LED	MPP12-6B202MM1CAS05L01-S001
Pushbutton Switch, Off-On, White LED	MPP12-6B202MM1CAS05L01-Y001
Pushbutton Switch, Off-On, Red LED	MPP12-6B202MM1CAS05L03
Pushbutton Switch, Off-On, Red LED	MPP12-6B202MM1CAS05L03-S001
Pushbutton Switch, Off-On, Red LED	MPP12-6B202MM1CAS05L03-Y001
Pushbutton Switch, Off-On, Yellow LED	MPP12-6B202MM1CAS05L05
Pushbutton Switch, Off-On, Yellow LED	MPP12-6B202MM1CAS05L05-S001
Pushbutton Switch, Off-On, Yellow LED	MPP12-6B202MM1CAS05L05-Y001
Pushbutton Switch, Off-On, Green LED	MPP12-6B202MM1CAS05L06
Pushbutton Switch, Off-On, Green LED	MPP12-6B202MM1CAS05L06-S001
Pushbutton Switch, Off-On, Green LED	MPP12-6B202MM1CAS05L06-Y001
Pushbutton Switch, Off-On, Blue LED	MPP12-6B202MM1CAS05L07
Pushbutton Switch, Off-On, Blue LED	MPP12-6B202MM1CAS05L07-S001
Pushbutton Switch, Off-On, Blue LED	MPP12-6B202MM1CAS05L07-Y001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B202MM2CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B202MM3CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B202MM4CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B203MM1CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B203MM1CAS05L00-S001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B203MM1CAS05L00-Y001
Pushbutton Switch, Off-On, White LED	MPP12-6B203MM1CAS05L01
Pushbutton Switch, Off-On, White LED	MPP12-6B203MM1CAS05L01-S001
Pushbutton Switch, Off-On, White LED	MPP12-6B203MM1CAS05L01-Y001
Pushbutton Switch, Off-On, Red LED	MPP12-6B203MM1CAS05L03
Pushbutton Switch, Off-On, Red LED	MPP12-6B203MM1CAS05L03-S001
Pushbutton Switch, Off-On, Red LED	MPP12-6B203MM1CAS05L03-Y001
Pushbutton Switch, Off-On, Yellow LED	MPP12-6B203MM1CAS05L05
Pushbutton Switch, Off-On, Yellow LED	MPP12-6B203MM1CAS05L05-S001
Pushbutton Switch, Off-On, Yellow LED	MPP12-6B203MM1CAS05L05-Y001
Pushbutton Switch, Off-On, Green LED	MPP12-6B203MM1CAS05L06
Pushbutton Switch, Off-On, Green LED	MPP12-6B203MM1CAS05L06-S001
Pushbutton Switch, Off-On, Green LED	MPP12-6B203MM1CAS05L06-Y001
Pushbutton Switch, Off-On, Blue LED	MPP12-6B203MM1CAS05L07
Pushbutton Switch, Off-On, Blue LED	MPP12-6B203MM1CAS05L07-S001

# Pushbutton Switches

## Sub-Miniature

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Pushbutton Switch, Off-On, Blue LED	MPP12-6B203MM1CAS05L07-Y001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B203MM2CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B203MM3CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B203MM4CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B205MM1CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B205MM1CAS05L00-S001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B205MM1CAS05L00-Y001
Pushbutton Switch, Off-On, White LED	MPP12-6B205MM1CAS05L01
Pushbutton Switch, Off-On, White LED	MPP12-6B205MM1CAS05L01-S001
Pushbutton Switch, Off-On, White LED	MPP12-6B205MM1CAS05L01-Y001
Pushbutton Switch, Off-On, Red LED	MPP12-6B205MM1CAS05L03
Pushbutton Switch, Off-On, Red LED	MPP12-6B205MM1CAS05L03-S001
Pushbutton Switch, Off-On, Red LED	MPP12-6B205MM1CAS05L03-Y001
Pushbutton Switch, Off-On, Yellow LED	MPP12-6B205MM1CAS05L05
Pushbutton Switch, Off-On, Yellow LED	MPP12-6B205MM1CAS05L05-S001
Pushbutton Switch, Off-On, Yellow LED	MPP12-6B205MM1CAS05L05-Y001
Pushbutton Switch, Off-On, Green LED	MPP12-6B205MM1CAS05L06
Pushbutton Switch, Off-On, Green LED	MPP12-6B205MM1CAS05L06-S001
Pushbutton Switch, Off-On, Green LED	MPP12-6B205MM1CAS05L06-Y001
Pushbutton Switch, Off-On, Blue LED	MPP12-6B205MM1CAS05L07
Pushbutton Switch, Off-On, Blue LED	MPP12-6B205MM1CAS05L07-S001
Pushbutton Switch, Off-On, Blue LED	MPP12-6B205MM1CAS05L07-Y001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B205MM2CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B205MM3CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B205MM4CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B206MM1CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B206MM1CAS05L00-S001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B206MM1CAS05L00-Y001
Pushbutton Switch, Off-On, White LED	MPP12-6B206MM1CAS05L01
Pushbutton Switch, Off-On, White LED	MPP12-6B206MM1CAS05L01-S001
Pushbutton Switch, Off-On, White LED	MPP12-6B206MM1CAS05L01-Y001
Pushbutton Switch, Off-On, Red LED	MPP12-6B206MM1CAS05L03
Pushbutton Switch, Off-On, Red LED	MPP12-6B206MM1CAS05L03-S001
Pushbutton Switch, Off-On, Red LED	MPP12-6B206MM1CAS05L03-Y001
Pushbutton Switch, Off-On, Yellow LED	MPP12-6B206MM1CAS05L05
Pushbutton Switch, Off-On, Yellow LED	MPP12-6B206MM1CAS05L05-S001
Pushbutton Switch, Off-On, Yellow LED	MPP12-6B206MM1CAS05L05-Y001
Pushbutton Switch, Off-On, Green LED	MPP12-6B206MM1CAS05L06
Pushbutton Switch, Off-On, Green LED	MPP12-6B206MM1CAS05L06-S001
Pushbutton Switch, Off-On, Green LED	MPP12-6B206MM1CAS05L06-Y001

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# Pushbutton Switches

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Pushbutton Switch, Off-On, Blue LED	MPP12-6B206MM1CAS05L07
Pushbutton Switch, Off-On, Blue LED	MPP12-6B206MM1CAS05L07-S001
Pushbutton Switch, Off-On, Blue LED	MPP12-6B206MM1CAS05L07-Y001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B206MM2CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B206MM3CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B206MM4CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B207MM1CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B207MM1CAS05L00-S001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B207MM1CAS05L00-Y001
Pushbutton Switch, Off-On, White LED	MPP12-6B207MM1CAS05L01
Pushbutton Switch, Off-On, White LED	MPP12-6B207MM1CAS05L01-S001
Pushbutton Switch, Off-On, White LED	MPP12-6B207MM1CAS05L01-Y001
Pushbutton Switch, Off-On, Red LED	MPP12-6B207MM1CAS05L03
Pushbutton Switch, Off-On, Red LED	MPP12-6B207MM1CAS05L03-S001
Pushbutton Switch, Off-On, Red LED	MPP12-6B207MM1CAS05L03-Y001
Pushbutton Switch, Off-On, Yellow LED	MPP12-6B207MM1CAS05L05
Pushbutton Switch, Off-On, Yellow LED	MPP12-6B207MM1CAS05L05-S001
Pushbutton Switch, Off-On, Yellow LED	MPP12-6B207MM1CAS05L05-Y001
Pushbutton Switch, Off-On, Green LED	MPP12-6B207MM1CAS05L06
Pushbutton Switch, Off-On, Green LED	MPP12-6B207MM1CAS05L06-S001
Pushbutton Switch, Off-On, Green LED	MPP12-6B207MM1CAS05L06-Y001
Pushbutton Switch, Off-On, Blue LED	MPP12-6B207MM1CAS05L07
Pushbutton Switch, Off-On, Blue LED	MPP12-6B207MM1CAS05L07-S001
Pushbutton Switch, Off-On, Blue LED	MPP12-6B207MM1CAS05L07-Y001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B207MM2CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B207MM3CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B207MM4CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A2SM1CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A2SM1CAS05L00-S001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A2SM1CAS05L00-Y001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A2SM2CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A2SM3CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A2SM4CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A3SM1CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A3SM1CAS05L00-S001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A3SM1CAS05L00-Y001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A3SM2CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A3SM3CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A3SM4CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A5SM1CAS05L00

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Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A5SM1CAS05L00-Y001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A5SM2CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A5SM3CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A5SM4CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A6SM1CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A6SM1CAS05L00-S001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A6SM1CAS05L00-Y001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A6SM2CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A6SM3CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A6SM4CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A7SM1CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A7SM1CAS05L00-S001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A7SM1CAS05L00-Y001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A7SM2CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A7SM3CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2A7SM4CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G2SM1CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G2SM1CAS05L00-S001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G2SM1CAS05L00-Y001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G2SM2CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G2SM3CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G2SM4CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G3SM1CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G3SM1CAS05L00-S001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G3SM1CAS05L00-Y001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G3SM2CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G3SM3CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G3SM4CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G5SM1CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G5SM1CAS05L00-S001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G5SM1CAS05L00-Y001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G5SM2CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G5SM3CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G5SM4CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G6SM1CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G6SM1CAS05L00-S001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G6SM1CAS05L00-Y001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G6SM2CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G6SM3CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G6SM4CAS05L00

# Pushbutton Switches

## Sub-Miniature

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Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G7SM1CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G7SM1CAS05L00-S001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G7SM1CAS05L00-Y001
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G7SM2CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G7SM3CAS05L00
Pushbutton Switch, Off-On, W/O LED	MPP12-6B2G7SM4CAS05L00
Pushbutton Switch, On-Off, W/O LED	MPP12-7B202MM1CAS05L00
Pushbutton Switch, On-Off, W/O LED	MPP12-7B202MM1CAS05L00-Y001
Pushbutton Switch, On-Off, W/O LED	MPP12-7B203MM1CAS05L00
Pushbutton Switch, On-Off, W/O LED	MPP12-7B203MM1CAS05L00-Y001
Pushbutton Switch, On-Off, W/O LED	MPP12-7B205MM1CAS05L00
Pushbutton Switch, On-Off, W/O LED	MPP12-7B205MM1CAS05L00-Y001
Pushbutton Switch, On-Off, W/O LED	MPP12-7B206MM1CAS05L00
Pushbutton Switch, On-Off, W/O LED	MPP12-7B206MM1CAS05L00-Y001
Pushbutton Switch, On-Off, W/O LED	MPP12-7B207MM1CAS05L00
Pushbutton Switch, On-Off, W/O LED	MPP12-7B207MM1CAS05L00-Y001
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2A2SM1CAS05L00
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2A2SM1CAS05L00-Y001
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2A3SM1CAS05L00
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2A3SM1CAS05L00-Y001
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2A5SM1CAS05L00
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2A5SM1CAS05L00-Y001
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2A6SM1CAS05L00
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2A6SM1CAS05L00-Y001
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2A7SM1CAS05L00
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2A7SM1CAS05L00-Y001
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2G2SM1CAS05L00
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2G2SM1CAS05L00-Y001
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2G3SM1CAS05L00
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2G3SM1CAS05L00-Y001
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2G5SM1CAS05L00
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2G5SM1CAS05L00-Y001
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2G6SM1CAS05L00
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2G6SM1CAS05L00-Y001
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2G7SM1CAS05L00
Pushbutton Switch, On-Off, W/O LED	MPP12-7B2G7SM1CAS05L00-Y001

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