D6
SPST Momentary Key Switches



Features/Benefits

- ***Easy X, Y coding on single side PCB***
- ***Positive tactile feedback***
- ***High temperature type available***
- ***Wide variety of colors & styles***
- ***RoHS compliant and compatible***

Typical Applications

- ***Automotive***
- ***Video***
- ***Electronic games***
- ***Appliances***

Construction

FUNCTION: momentary
CONTACT ARRANGEMENT: 1 make contact (SPST), NO
DISTANCE BETWEEN BUTTON CENTERS, MIN.: 12,7 (0.500)
TERMINALS: PC pins

Electrical

SWITCHING POWER MAX.: 6 VA
SWITCHING VOLTAGE MAX.: 32 V DC
SWITCHING CURRENT MAX.: 100 mA DC
DIELECTRIC STRENGTH (50 Hz / 1 min): 1000 V
OPERATING LIFE with max. switching power: (10^5 operations)
CONTACT RESISTANCE: ≤100 mΩ
INSULATION RESISTANCE: ≥10^{11} Ω
BOUNCE TIME: ≤ 3 ms

Mechanical

SWITCHING TRAVEL: 0,8 ± 0,2 (0.0301 ± 0.0078)
OPERATING FORCE: 1.3 N ± 30% (130 grams ± 30%)

Environmental

OPERATING TEMPERATURE: -20°C to 85°C.

Process

SOLDERABILITY:

Hand soldering: 350°C for 3 seconds
Wave or bath soldering: 260°C for 5 seconds
Cleaning: Use solvents compatible with ABS

How To Order

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.

Switch

D	6				L	F	S

Series
D6C Square
D6R Round
D6F Flat*
D6L Plunger*

Switch Color
00 White
10 Gray
30 Yellow
40 Red
50 Green
60 Blue
80 Ivory
90 Black

RoHS compliant and compatible.

*Available in black only.

Button

Buttons can be ordered separately.
Shipped in bulk.

D6 button for use with D6C only.

B	T	N	D	6		

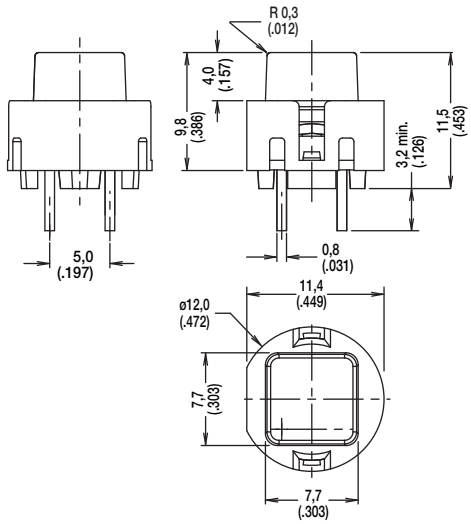
Series
BTND6 Button

Button Color
00 White
10 Gray
30 Yellow
40 Red
50 Green
60 Blue
80 Ivory
90 Black

D6
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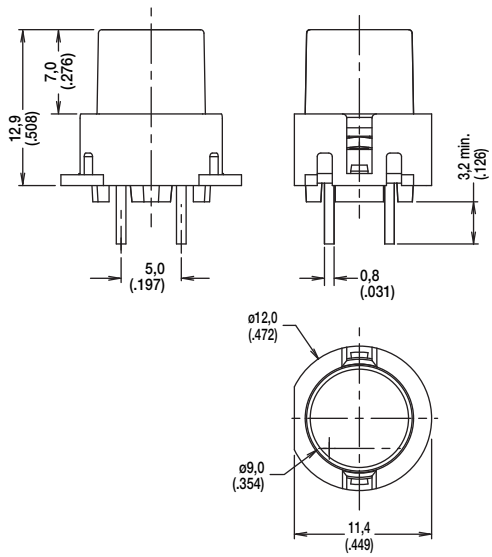
SERIES

D6C



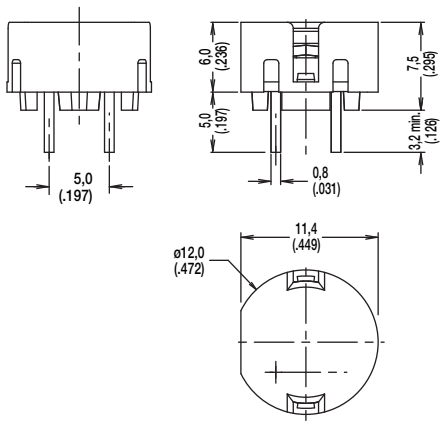


D6R





D6F ONLY AVAILABLE IN BLACK





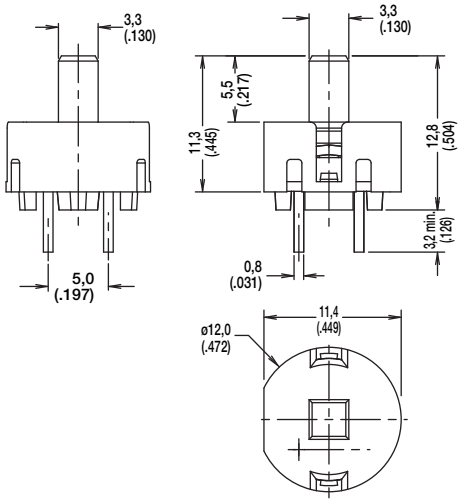
First Angle Projection

Dimensions are shown: mm (inch)
Specifications and dimensions subject to change

SERIES

D6L ONLY AVAILABLE IN BLACK

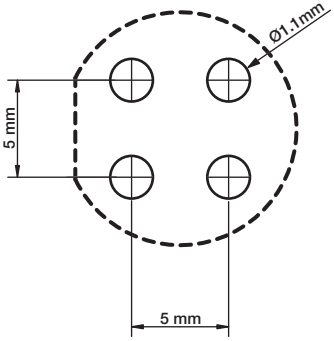




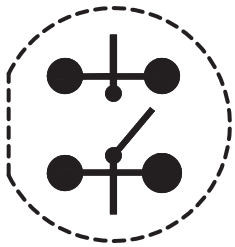
SWITCH COLORS

OPTION CODE	SWITCH COLOR
00	WHITE
10	GRAY
30	YELLOW
40	RED
50	GREEN
60	BLUE
80	IVORY
90	BLACK

PCB Layout



Electrical Diagram



First Angle Projection

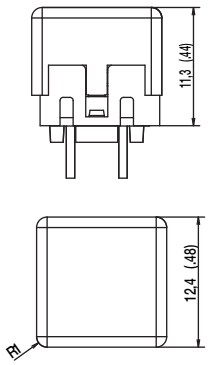
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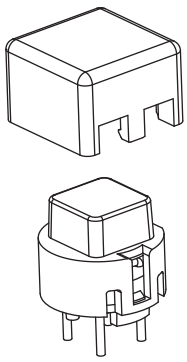
BUTTON AVAILABLE

BTND6 Buttons must be ordered separately. Shipped in bulk.

NOTE: Only compatible with D6C.







OPTION CODE	BUTTON COLOR
00	WHITE
10	GRAY
30	YELLOW
40	RED
50	GREEN
60	BLUE
80	IVORY
90	BLACK