



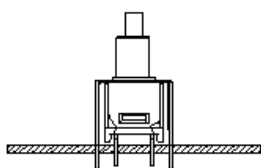
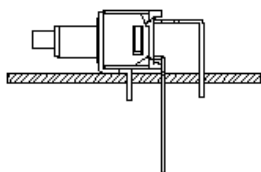
淮 洋 有 限 公 司 HUI YANG CO., LTD.

TEL : 886-2-8261-8986 FAX : 886-2-8261-1885

www.hy1688.com.tw 236新北市土城區中央路二段191號10樓之5

Series 800

Sub-Miniature Pushbutton Switches



SPECIFICATION:

CONTACT RATING: Refer to "Contact Material Options" for more info.

ELECTRICAL LIFE: 30,000 make-and-break cycles at full load.

CONTACT RESISTANCE: 20mΩ max. initial @2-4 VDC

100mA for both silver and gold plated contacts.

INSULATION RESISTANCE: 1000MΩ min.

DIELECTRIC STRENGTH: 1500V RMS @ sea level.

OPERATING TEMPERATURE: -30°C to 85°C.

MATERIALS:

CASE: Diethyl phthalate(DAP)(UL 94V=0).

PLUNGER: Nylon 6/6.

BUSHING: Brass, nickel plated.

SWITCH SUPPORT: Brass, tin plated.

HOUSING: Stainless steel.

TERMINAL SEAL: Epoxy.

If your preferred product configuration is not shown, please contact our sales representative for custom design.

HOW TO ORDER SYSTEM

800

Switch Function

SP-8 On-Mom.

SP-9 Off-Mom.

Bushing or Actuator

B5 STD. plunger, 5.50 (.217") high
bushing, flat

B6 STD. plunger, B5 unthreaded

B7 STD. Plunger, B5 unthreaded, round

B8 STD. plunger, 7.85 (.309") high
bushing, flat

B9 3.50 (.138") high plunger, 0.50
(.020") high bushing round

B0 5.30 (.209") high plunger, 7.85
(.309") high bushing flat

OP1 Snap-in, with frame

Cap Type or Frame Color

* For Plunger only

0 No cap required

1 C1, 4.00 (.158") high

2 C2, 3.50 (.138") high

* For Actuator only

0 No frame color required

1 White

2 Black

3 Red

4 Orange

5 Yellow

6 Green

7 Blue

8 Brown

9 Gray

Cap Color

0 No color required

1 White

2 Black

3 Red

4 Orange

5 Yellow

6 Green

7 Blue

8 Brown

9 Gray

Termination

M1 Solder lug

M2 PC thru-hole

M6 Right angle, PC thru-hole

M61 Right angle, snap-in

M7 Vertical, right angle PC thru-hole

M71 Vertical, right angle snap-in

VS2 Vertical mount, 9.30 (.366") high

VS21 Vertical mount, snap-in 9.30
(.366") high

Contact Material

Q Silver

P Silver (tin plated term.)

R Gold

K Gold (tin plated term.)

G Silver

(gold over silver term.)

Seal

E Epoxy

0 Non-Epoxy

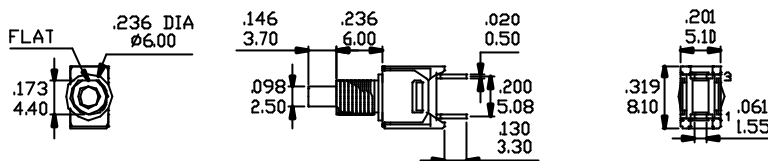
Series 800

Sub-Miniature Pushbutton Switches

SPST

Model No.	Type	
SP-9	OFF	MOM

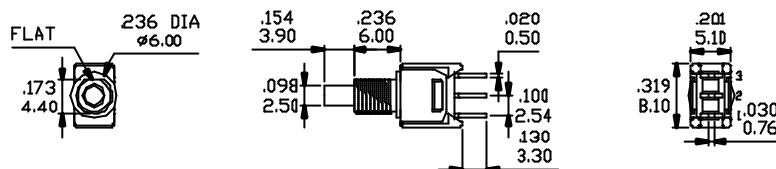
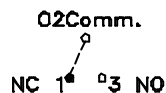
Schematic



SPDT

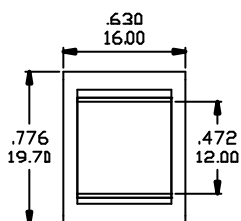
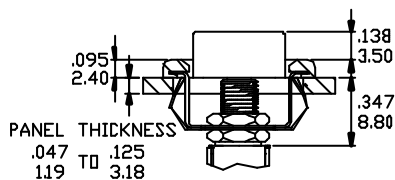
Model No.	Type	
SP-8	ON	MOM
Term. Comm.	2-1	2-3

Schematic

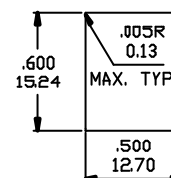


ACTUATOR OPTIONS FOR SNAP-IN FRONT MOUNT

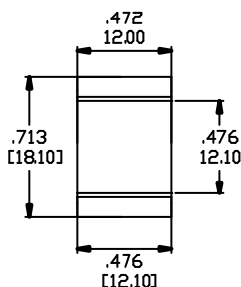
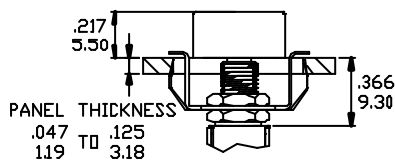
OP1



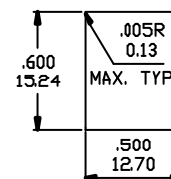
PANEL MOUNTING



OP1 WITHOUT FRAME

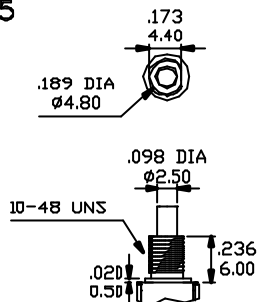


PANEL MOUNTING

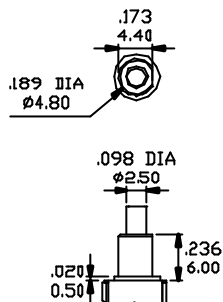


BUSHING OPTIONS

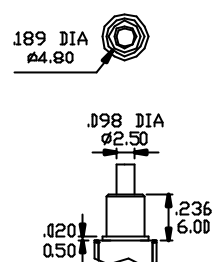
B5



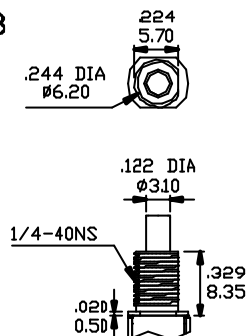
B6



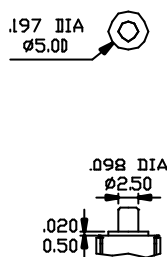
B7



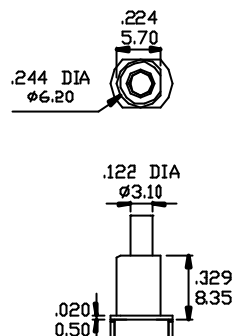
B8



B9

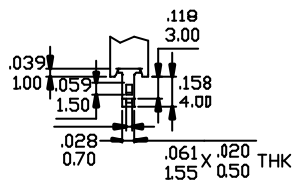


B0

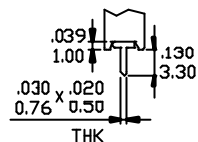


TERMINATION OPTIONS

M1

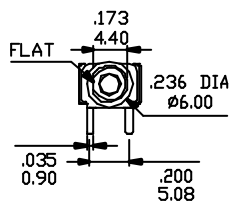


M2

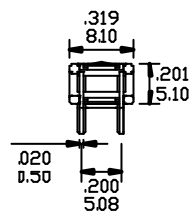
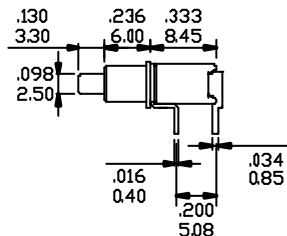


TERMINATION OPTIONS

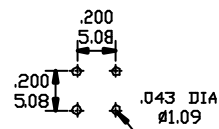
M6



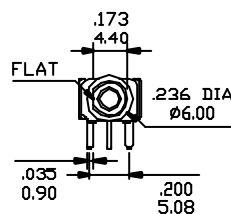
SPST



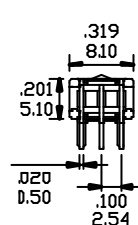
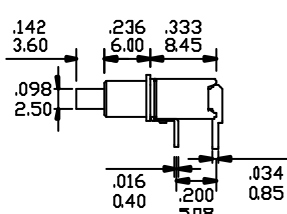
P.C.MOUNTING



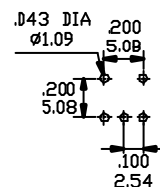
M6



SPDT



P.C.MOUNTING

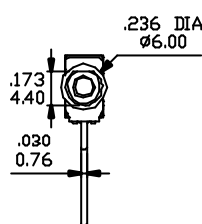


Series 800

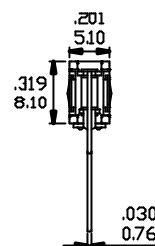
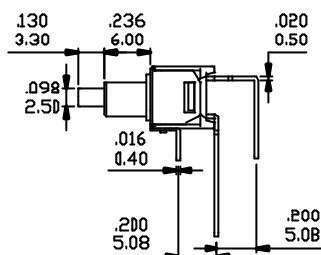
Sub-Miniature Pushbutton Switches

TERMINATION OPTIONS

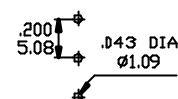
M7



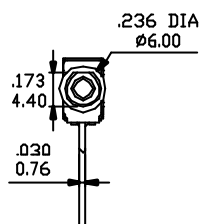
SPST



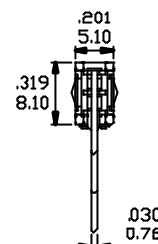
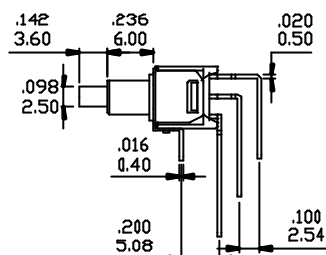
P.C.MOUNTING



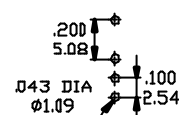
M7



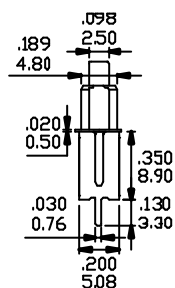
SPDT



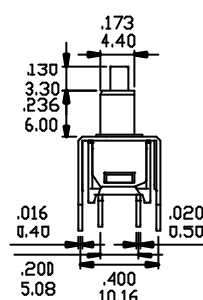
P.C.MOUNTING



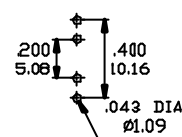
VS2



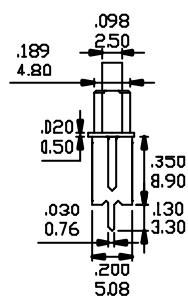
SPST



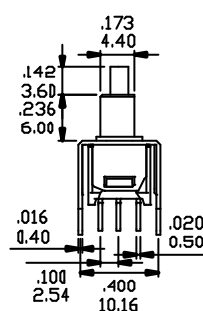
P.C.MOUNTING



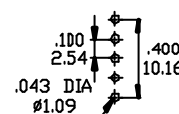
VS2



SPDT

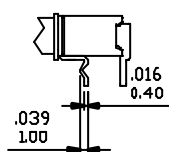


P.C.MOUNTING

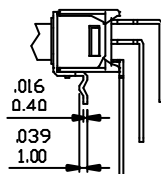


SNAP-IN TERMINATION OPTIONS

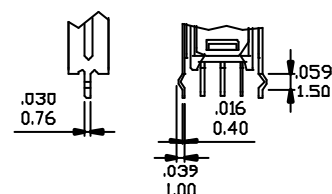
M61



M71



VS21

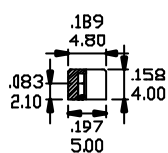


* PC Mounting for M61,M71,VS21 refer to M6,M7,VS2 respectively.

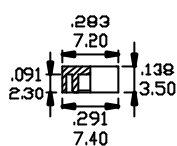
MOM=MENTARY

PLUNGER CAPS

C1



C2



CAP AND FRAME COLORS

1	White	6	Green
2	Black(Std.)	7	Blue
3	Red	8	Brown
4	Orange	9	Gray
5	Yellow		

CONTACT MATERIAL OPTIONS

Coding	Contact Material	Terminal Plating	Rating	Agency Approvals
Q	Silver ¹	Silver plated ¹	1Amps @ 125VAC or 28VDC	
P		Tin plated ⁵ ⁷		
R	Gold ²	Gold plated ⁴	0.4VA max @ 20V max (AC or DC)	
K		Tin plated ⁵ ⁶		
G	Silver ¹	Gold over ³ silver	1Amps @ 125VAC or 28VDC	

1. Movable Contact / Terminals: Copper alloy, silver plated.
2. Movable Contact: Copper alloy with gold plated over nickel plated.
3. Terminals: Silver plated with outer layer in gold plating.
4. Terminals: Copper alloy, with gold plated over nickel plated.
5. Outer Terminals: Copper alloy with tin over nickel plated.
6. Terminal Contact: Gold plated over nickel plated.
7. Terminal Contact: Palladium nickel alloy plated.

* P, K is not available with M1 terminal.