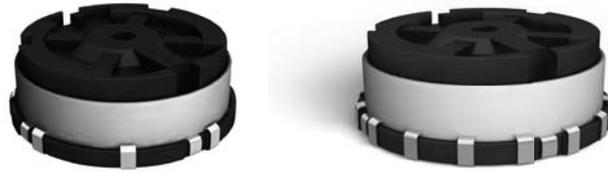


# ENCODER switch

**Multy Fuction  
Surface mount Type**

MODEL NO.  
**SM008/016 Series**



## Features

A push on switch with a clear-click operational feel

An encoder with detents and excellent operating feeling

4-directions & center push type.

## Applications

Scroll of Menu and input for Audio Visual Equipment

Level controls for car audio & navigation system

Portable audio devices, Personal digital assistant.



## Main Specifications

SM008	Encoder	Push on
Detent(pulse) /Travel	8 detent(4pulse)	Center : 0.15mm 4-direction : 5°±3°
Operating Force	150gf	Center : 500gf 4-direction : 400gf
Rating	50mA 12V DC	
Contact Resistance	1 Ω max.	
Operating Life	30,000 Cycles	

SM016	Encoder	Push on
Detent(pulse) /Travel	16 detent(8pulse)	Center : 0.15mm 4-direction : 5°±3°
Operating Force	150gf	Center : 500gf 4-direction : 400gf
Rating	50mA 12V DC	
Contact Resistance	1 Ω max.	
Operating Life	30,000 Cycles	

## Subsidiary Production Code

Code number	Terminal shape	Guide Boss	Detent	Drawing
SM008	SMT	With	8	1
SM016			16	2

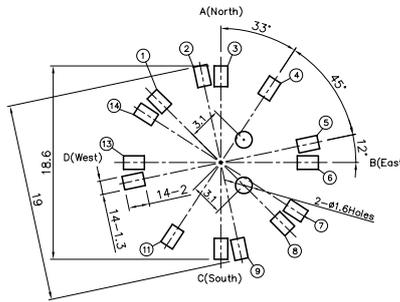
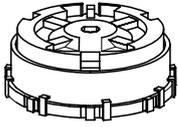
## Packing Specification

Quantity (unit:pcs)	Pitch (unit:mm)	Remark
400	24	Bobbin Size Ø380

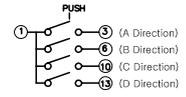
No.	3D	P.C.B pattern dimension	Circuit Diagram
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**SM008**

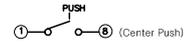
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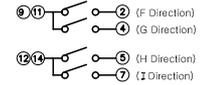
Leaning Switch



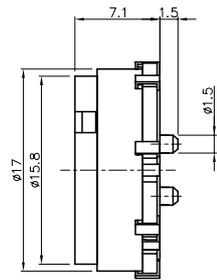
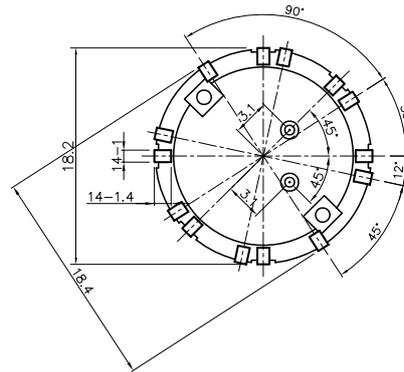
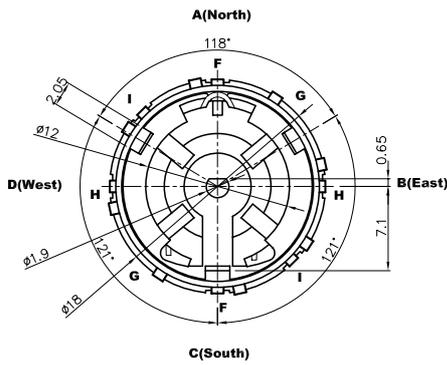
Center Switch



Rotation Switch

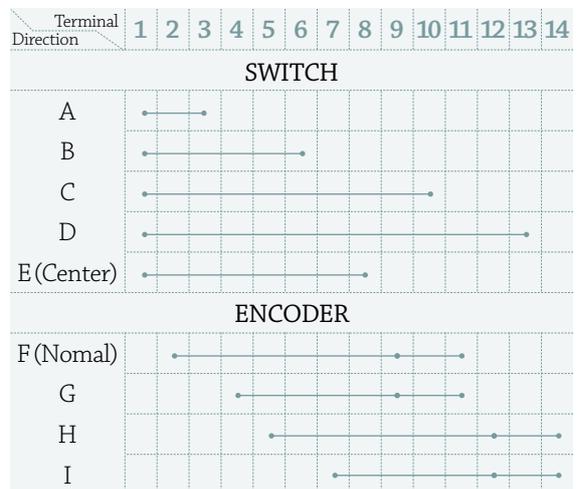


Unit : mm



**Terminal Explanation**

No	Description	No	Description
①	Switch Common A,B,C,D Center	12	Switch Center
②	Rotation Common 4	13	Rotation Detection 8
③	Rotation Detection 1	14	Rotation Common 1
④	Switch A	15	Switch C
⑤	Rotation Detection 2	16	Rotation Common 1
⑥	Rotation Detection 3	17	Rotation Common 2
⑦	Rotation Detection 4	18	Rotation Common 2
8	Rotation Detection 5	19	Rotation Common 3
9	Switch B	20	Switch D
10	Rotation Detection 6	21	Rotation Common 3
11	Rotation Detection 7	22	Rotation Common 4



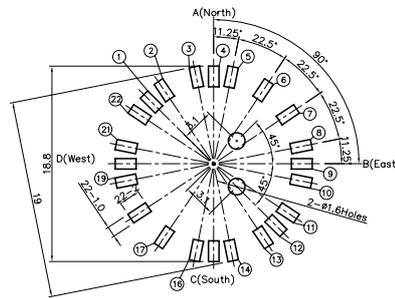
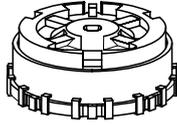
No.

3D

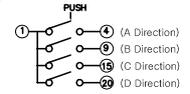
P.C.B pattern dimension

Circuit Diagram

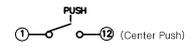
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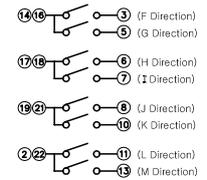
Leaning Switch



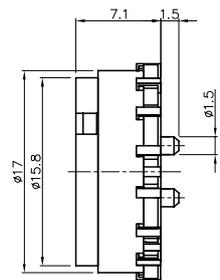
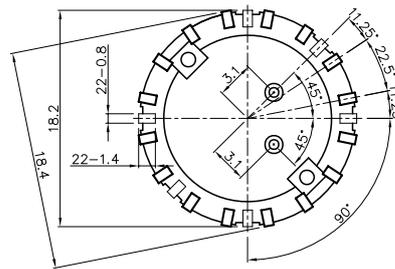
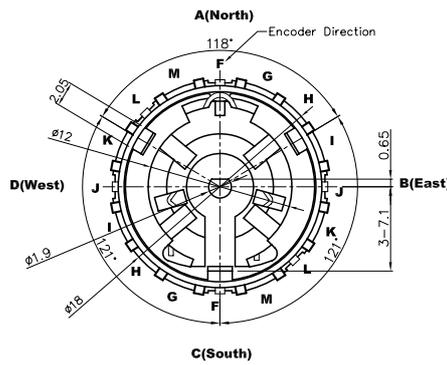
Center Switch



Rotation Switch



Unit : mm



No	Description	No	Description
①	Switch Common A,B,C,D Center	12	Switch Center
②	Rotation Common 4	13	Rotation Detection 8
③	Rotation Detection 1	14	Rotation Common 1
④	Switch A	15	Switch C
5	Rotation Detection 2	16	Rotation Common 1
6	Rotation Detection 3	17	Rotation Common 2
7	Rotation Detection 4	18	Rotation Common 2
8	Rotation Detection 5	19	Rotation Common 3
9	Switch B	20	Switch D
10	Rotation Detection 6	21	Rotation Common 3
11	Rotation Detection 7	22	Rotation Common 4

