

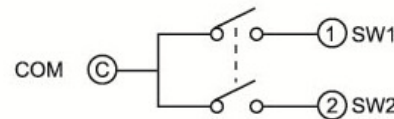
PART NUMBER: SMD-MF-01

DESCRIPTION: 6.2X6.5X2.0/3.8mm MULTI FUNCTION SMD TACT SWITCH



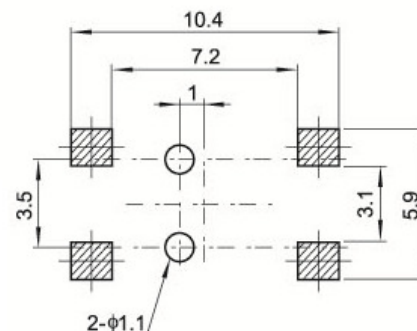
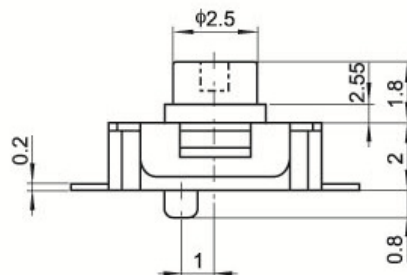
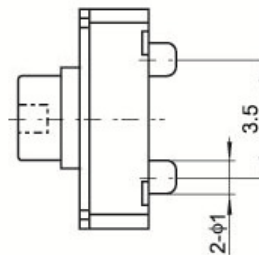
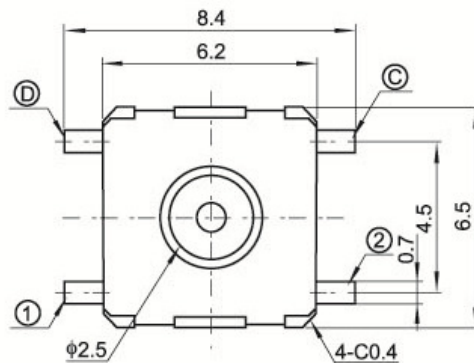
ROHS COMPLIANT

DOUBLE ACTION



SPECIFICATIONS

Items		Standard
Operating temperature range		-30°C to +85°C
Electrical performance	Rating	50mA. 12V DC
	Insulation resistance	100MΩ min. 100V DC
	Dielectric strength	250V AC for 1 min.
	Contact resistance	100mΩ max.
Durability	Lifetime	10,000 Cycles
Mechanical performance	Operating force 1st 100 ± 40gf 2nd 250 ± 80gf	
	Travel 1st 0.3 ± 0.1mm 2nd 0.55 ± 0.1mm	



Dimensional tolerance +/- 0.2mm

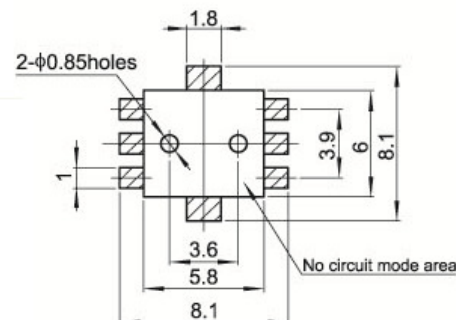
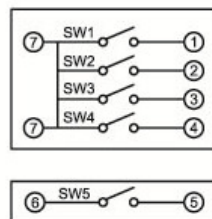
PART NUMBER: SMD-MF-02

DESCRIPTION: 6.1x6.5x5.0mm MULTI FUNCTION SMD TACT SWITCH 4+ CENTER PUSH



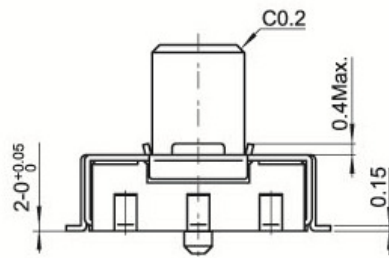
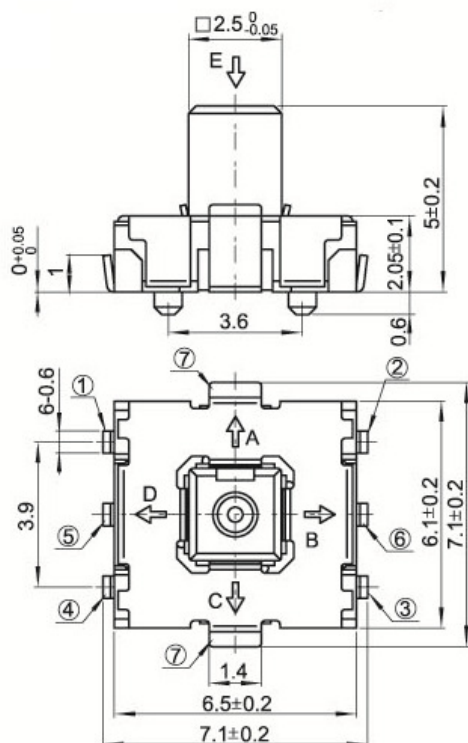
ROHS COMPLIANT

**MULTI FUNCTION
4 + CENTER PUSH**



SPECIFICATIONS

Items		Standard
Operating temperature range		-30°C to +85°C
Electrical performance	Rating	50mA. 12V DC
	Insulation resistance	100MΩ min. 100V DC
	Dielectric strength	250V AC for 1 min.
	Contact resistance	4-direction 200mΩ max Center push 100mΩ max.
Durability	Lifetime	50,000 Cycles
Mechanical performance	Operating force	4-direction 140 ± 50gf Center push 220 ± 80gf
	Travel	4-direction 5° ± 2° Center push 0.20 ± 0.1mm



A	①	②	③	④	⑤	⑥	⑦
B	→	→	→	→	→	→	→
C	→	→	→	→	→	→	→
D	→	→	→	→	→	→	→
E	→	→	→	→	→	→	→



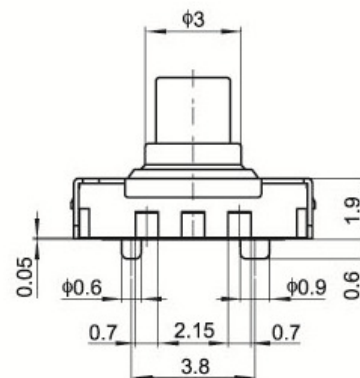
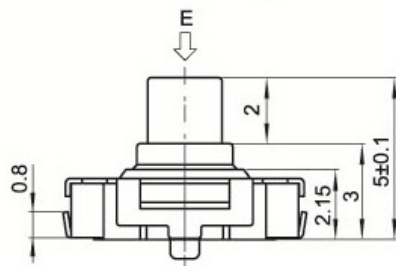
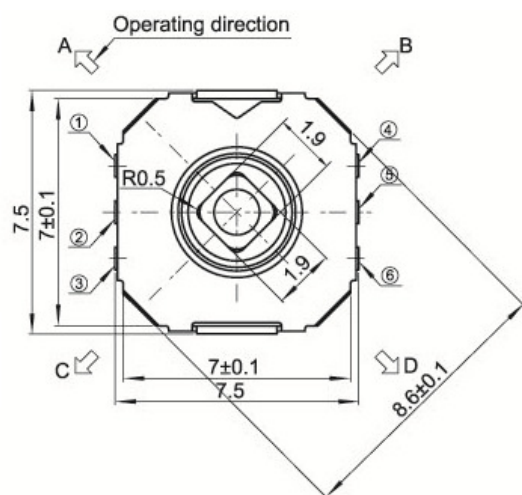
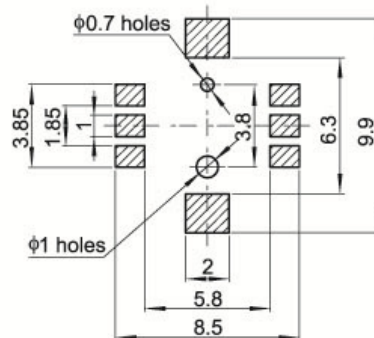
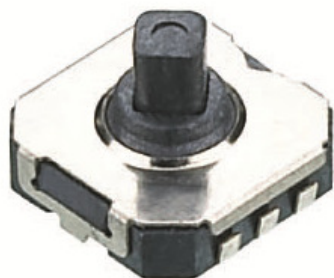
PART NUMBER: SMD-MF-03

DESCRIPTION: 7.5X7.5X5.0mm MULTI FUNCTION SMD TACT SWITCH 4 + CENTER PUSH



ROHS COMPLIANT

**MULTI FUNCTION
4 + CENTER PUSH**



SPECIFICATIONS

Items		Standard
Operating temperature range		-30°C to +85°C
Electrical performance	Rating	50mA. 12V DC
	Insulation resistance	100MΩ min. 100V DC
	Dielectric strength	250V AC for 1 min.
	Contact resistance	500mΩ max.
Durability	Lifetime	50,000 Cycles
Mechanical performance	Operating force	4-direction 160 ± 50gf
		Center push 280 ± 100gf
	Travel	4-direction 0.20 ± 0.1mm
		Center push 0.15 ± 0.1mm



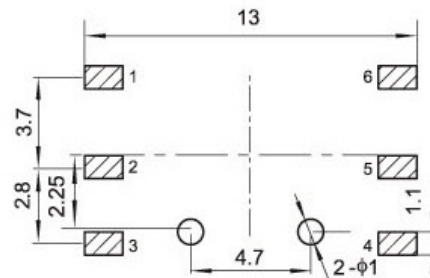
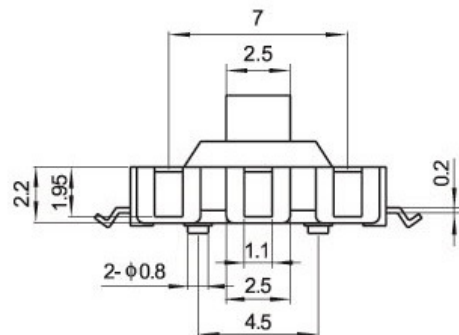
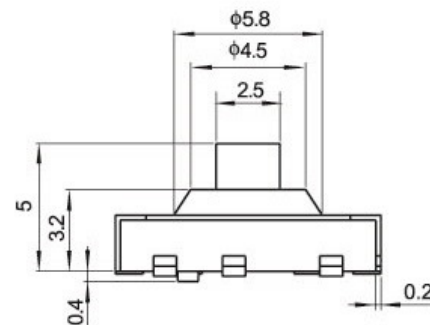
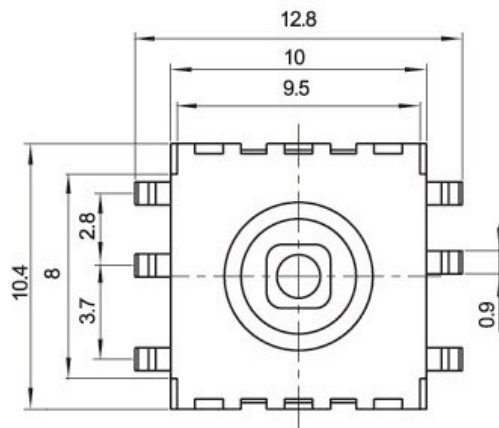
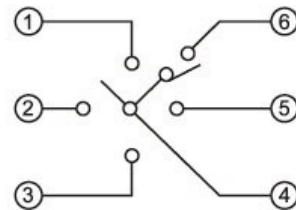
PART NUMBER: SMD-MF-04

DESCRIPTION: 10X10.4X5.0mm MULTI FUNCTION SMD TACT SWITCH 4 + CENTER PUSH



ROHS COMPLIANT

**MULTI FUNCTION
4 + CENTER PUSH**



SPECIFICATIONS

Items		Standard
Operating temperature range		-30℃ to +85℃
Electrical performance	Rating	20mA. 12V DC
	Insulation resistance	100MΩ min. 100V DC
	Dielectric strength	250V AC for 1 min.
	Contact resistance	100mΩ max.
Durability	Lifetime	50,000 Cycles
Mechanical performance	Operating force	4-direction 160 ± 80gf
		Center push 300 ± 150gf
	Travel	4-direction 4° ± 2°
		Center push 0.20 ± 0.1mm



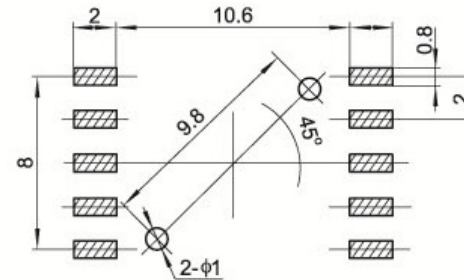
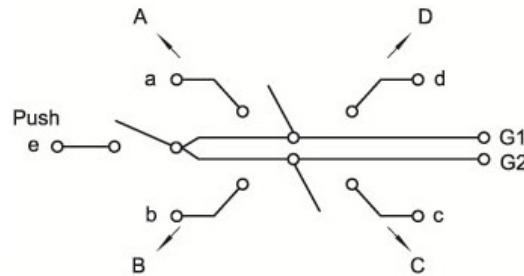
PART NUMBER: SMD-MF-05

DESCRIPTION: 10X10.7X6.5mm MULTI FUNCTION SMD TACT SWITCH 4 + CENTER PUSH



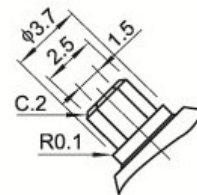
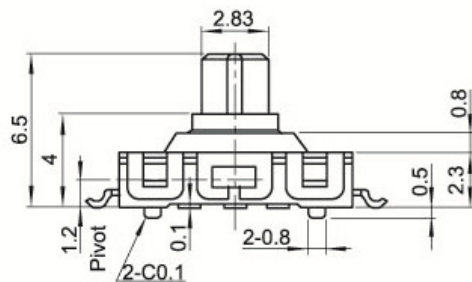
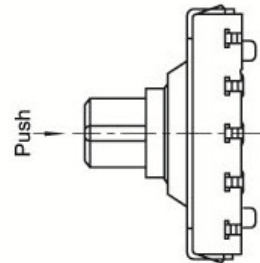
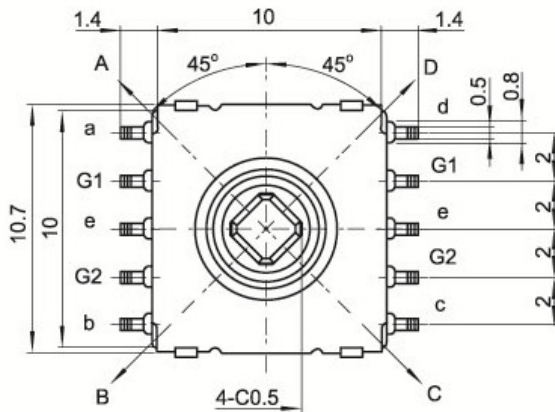
ROHS COMPLIANT

**MULTI FUNCTION
4 + CENTER PUSH**



SPECIFICATIONS

Items		Standard
Operating temperature range		-30°C to +85°C
Electrical performance	Rating	20mA, 12V DC
	Insulation resistance	100MΩ min. 100V DC
	Dielectric strength	250V AC for 1 min.
	Contact resistance	100mΩ max.
Durability	Lifetime	50,000 Cycles
Mechanical performance	Operating force	4-direction 160 ± 80gf
		Center push 300 ± 150gf
	Travel	4-direction 4° ± 2°
		Center push 0.20 ± 0.1mm



DESCRIPTION: MULTI FUNCTION PUSH AND LEVER SMD TACT SWITCH



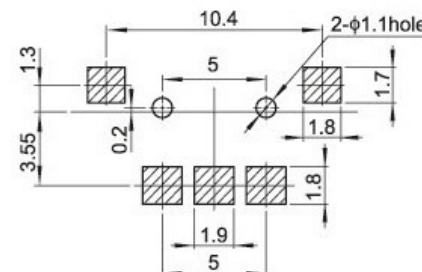
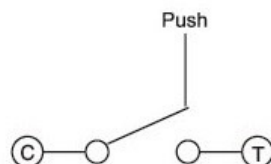
ROHS COMPLIANT

COMMON FOR BOTH SWITCHES CODE TABLE, CIRCUIT DIAGRAM AND PCB LAYOUT

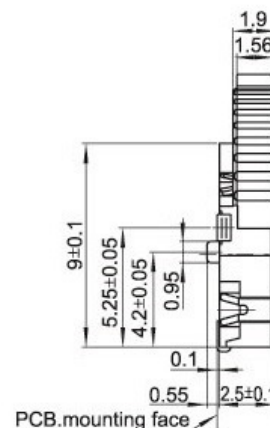
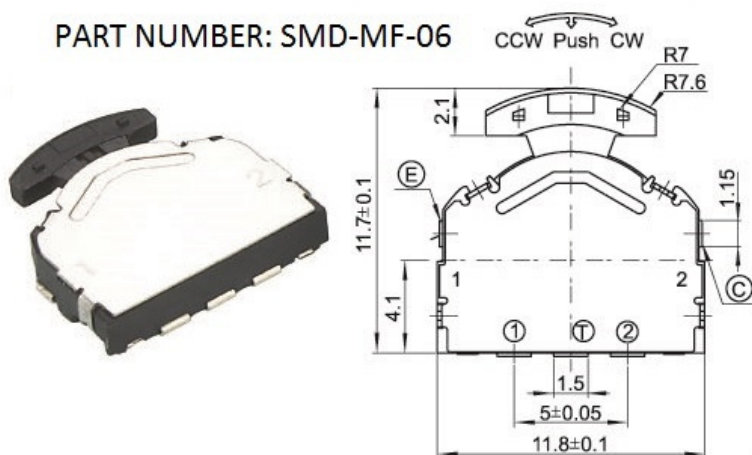
Code table

Angle	25° } CW	0°	CCW	25° }
Terminal ①				
Terminal ②				
Terminal ③				

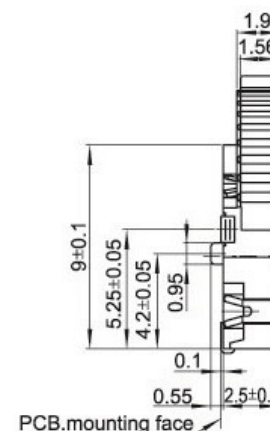
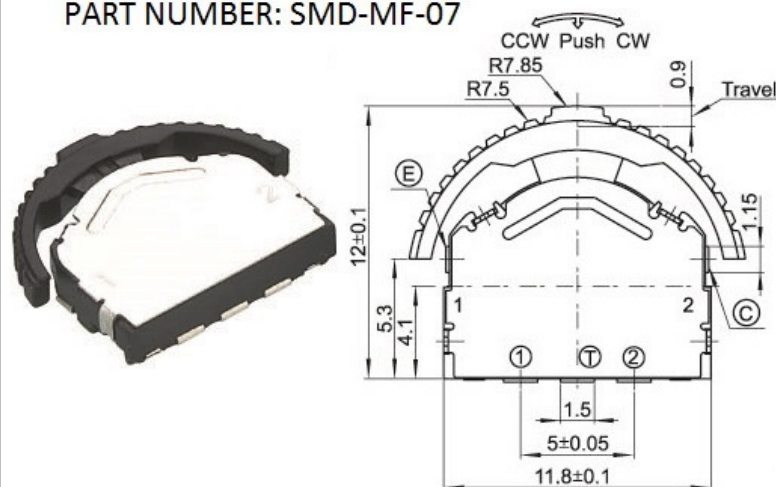
(18°) (18°)



PART NUMBER: SMD-MF-06



PART NUMBER: SMD-MF-07



SPECIFICATIONS

Items		Standard
Operating temperature range		-30℃ to +85℃
Electrical performance	Rating	10mA. 5V DC
	Output voltage	1V max. at 1mA 5V DC
	Dielectric strength	250V AC for 1 min.
	Contact resistance	100mΩ max.
Durability	Lifetime	100,000 Cycles
Mechanical performance	Operating force	Lever portion 70 ± 40gf Push portion 200 ± 100gf
	Travel	4-direction -25° 0° +25° Push portion 0.90 ± 0.1mm

REV.00 DATE 08/04/2020

Dimensional tolerance +/- 0.2mm



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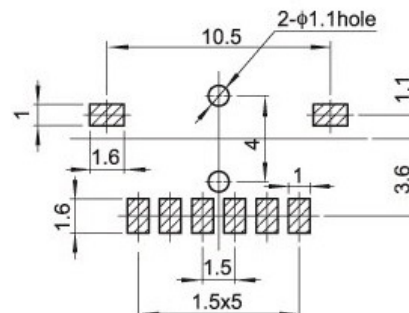
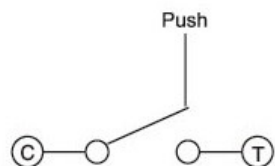
DESCRIPTION: MULTI FUNCTION PUSH AND LEVER SMD TACT SWITCH

Code table

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Terminal	(21.5°)	(11°)	(11°)	(21.5°)
①				
②				
③				
④				
⑤				

COMMON FOR BOTH SWITCHES CODE TABLE, CIRCUIT DIAGRAM AND PCB LAYOUT

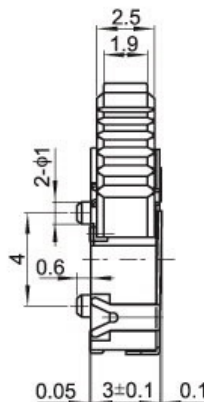
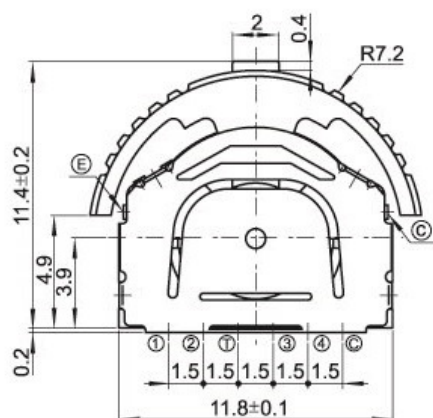
ROHS COMPLIANT



**MULTI FUNCTION
PUSH AND LEVER**

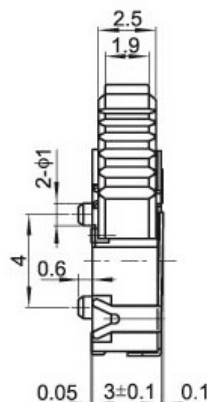
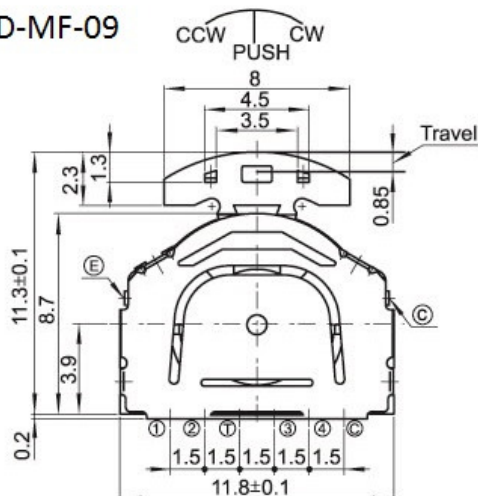
PART NUMBER: SMD-MF-08

CCW PUSH CW



PART NUMBER: SMD-MF-09

CCW PUSH CW



SPECIFICATIONS

Items		Standard
Operating temperature range		-30℃ to +85℃
Electrical performance	Rating	10mA. 5V DC
	Output voltage	1V max. at 1mA 5V DC
	Dielectric strength	250V AC for 1 min.
	Contact resistance	100mΩ max.
Durability	Lifetime	100,000 Cycles
Mechanical performance	Operating force	Lever portion 70 ± 40gf Push portion 200 ± 100gf
	Travel	4-direction -25° 0° +25° Push portion 0.85 ± 0.1mm

REV.00 DATE 08/04/2020

Dimensional tolerance +/- 0.2mm



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INDIA.**

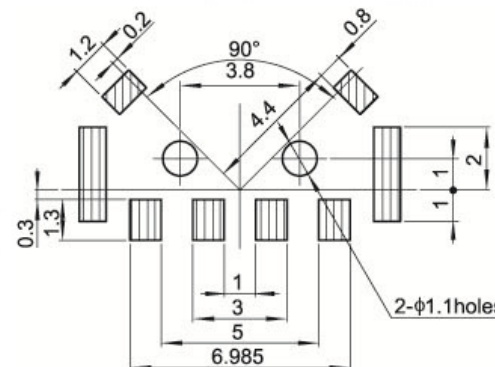
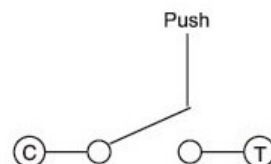
DESCRIPTION: MULTI FUNCTION PUSH AND LEVER SMD TACT SWITCH



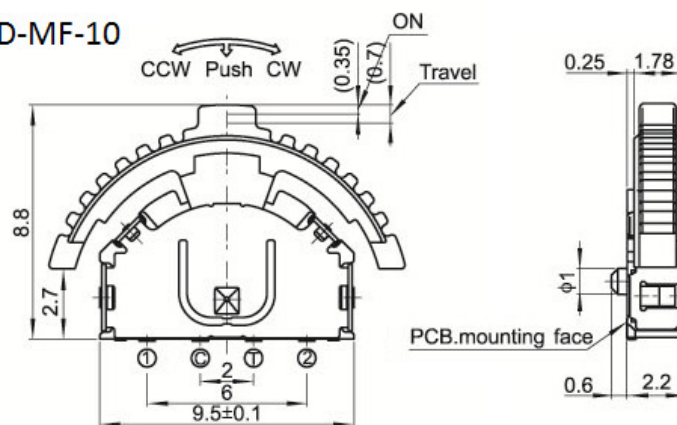
ROHS COMPLIANT

COMMON FOR BOTH SWITCHES CODE TABLE, CIRCUIT DIAGRAM AND PCB LAYOUT

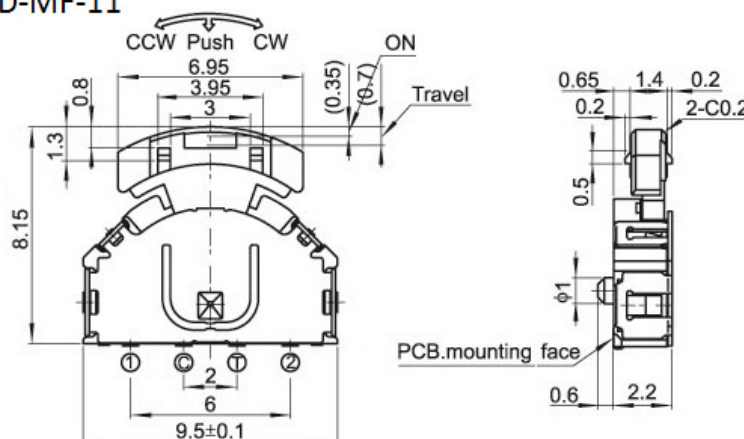
Code table	20° }	0°	20° }
Angle	(15°)		(15°)
Terminal			
①			
②			
③			



PART NUMBER: SMD-MF-10



PART NUMBER: SMD-MF-11



SPECIFICATIONS

Items		Standard
Operating temperature range		-30°C to +85°C
Electrical performance	Rating	10mA. 5V DC
	Output voltage	1V max. at 1mA 5V DC
	Dielectric strength	250V AC for 1 min.
	Contact resistance	100mΩ max.
Durability	Lifetime	100,000 Cycles
Mechanical performance	Operating force	Lever portion 70 ± 40gf
		Push portion 250 ± 100gf
	Travel	4-direction -20° 0° +20° Push portion 0.70 ± 0.1mm

