

Features:

Water proof IP67 sealed
Medium size
Bi-color LED illuminating available
SMT and vertical PCB terminal

Applications:

Consumer products
Computer products
Instrumentation
Communication equipments
Automotive industry...etc

产品特点：

防水等级IP67密封
中等大小
双色LED照明可用
SMT和垂直PCB端子

使用范围：

时尚消费产品、电脑周边、
仪器通讯、汽车...



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Water proof IP67 sealed	Consumer products
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General Specifications：（产品规格）

Circuit: SPST,with LED.
Contact Rating:50mA 12VDC.
Contact Resistance:100mΩ Max.
Insulation Resistance:100MΩ Min.
Dielectric Stength:Breakdown is not allowable; 500VAC for 1 minute.
Actuation Force:280±80gf.
Total Travel:0.85±0.3mm.
Operating Life:1,000,000cycles.
Operating Temperature:-20℃ ~70℃
Waterprotection Level: IP67

Material：（产品材质）

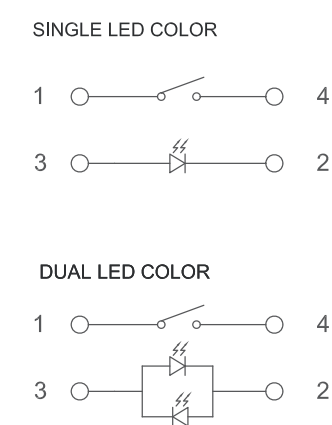
Cover:Polycarbonate (PC)
Actuator:Polyoxymethylene(POM)
Base: Polyamide(PA)+GF
Terminal: Brass with nickel plating&gold flash
Moving Contact: Brass with nickel plating &gold flash

HOW TO ORDER

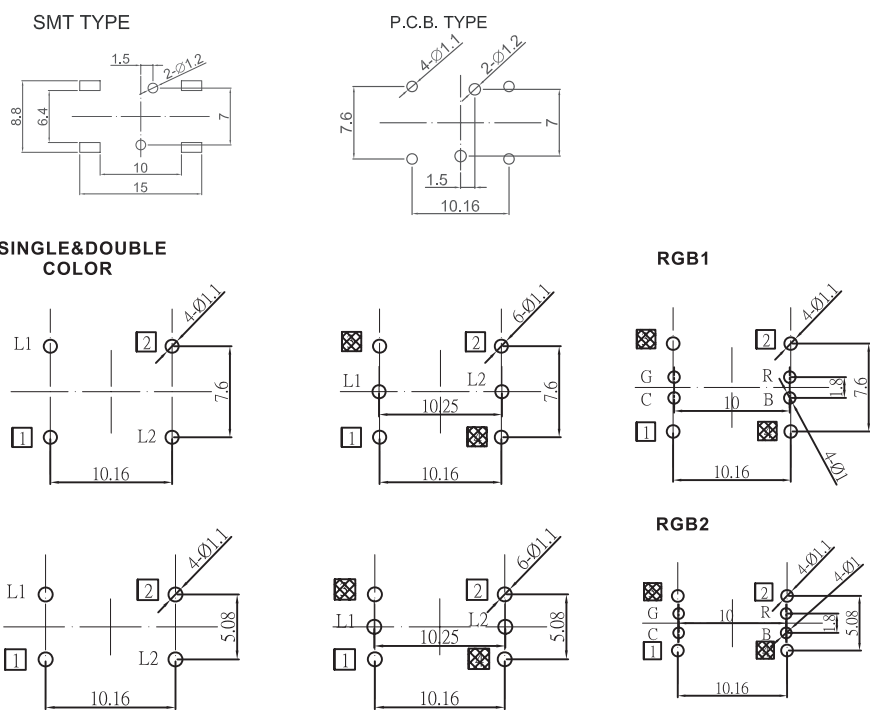
SERIES	OPERATION	POLE	LED COLOR	LED BRIGHTNESS	LED COLOR	LED BRIGHTNESS	CAP TYPE	CAP COLOR	PLATE COLOR	TERMINAL	CAP SYMBOL
TL13	N	1	R	1	W	1	S	T	W		P5
	A=A TYPE AA=AA TYPE B=B TYPE BB=BB TYPE C=C TYPE CC=CC TYPE D=D TYPE DD=DD TYPE E=E TYPE F=F TYPE	1=1 POLE	R=RED G=GREEN B=BLUE Y=YELLOW O=ORANGE W=WHITE F=FULL COLOR	1=HIGH 2=NOMAL N=NONE	R=RED G=GREEN B=BLUE Y=YELLOW O=ORANGE W=WHITE F=FULL COLOR	1=HIGH 2=NOMAL N=NONE	S=SQUARE TYPE S1=12X12 TYPE S1A=12X12 TYPE [FROSTING] S1B=12X12 TYPE [FLAT CAP] S2=15X15 TYPE S2A=15X15 TYPE [FROSTING] S2B=15X15 TYPE [FLAT CAP] S3=17X17 TYPE R=ROUND TYPE R1=R1 TYPE [R9.8 Convex surface] R2=R2 TYPE R3=R3 TYPE [R16 Concave] N=NONE	T=TRANSPARENT KT=BLACK TRANSPARENT RT=RED TRANSPARENT GT=GREEN TRANSPARENT BT=BLUE TRANSPARENT YT=YELLOW TRANSPARENT OT=OEANGE TRANSPARENT WT=WHITE TRANSPARENT N=NONE	R=RED G=GREEN B=BLUE Y=YELLOW O=ORANGE W=WHITE F=FULL COLOR	--=P.C.B TYPE S=SMT TYPE	

CAP Symbol:Please refer to cap selection for all available symbols on cap surface,and any customization is welcomed

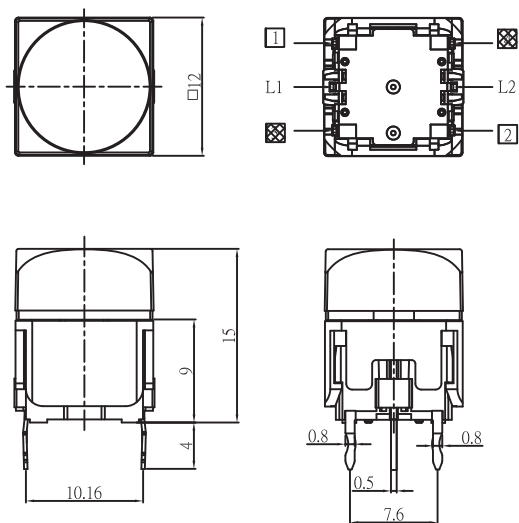
CIRCUIT



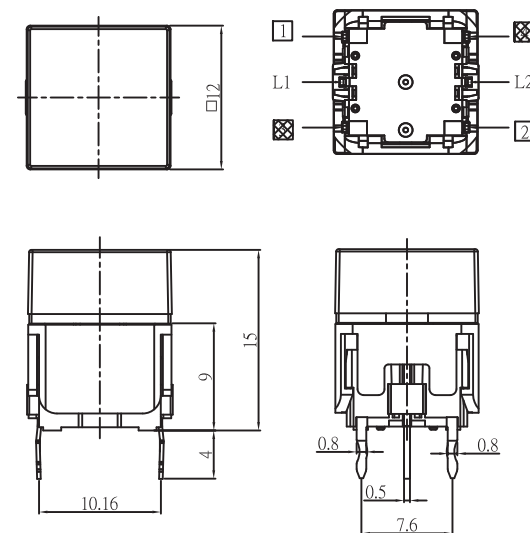
P.C.B LAYOUT



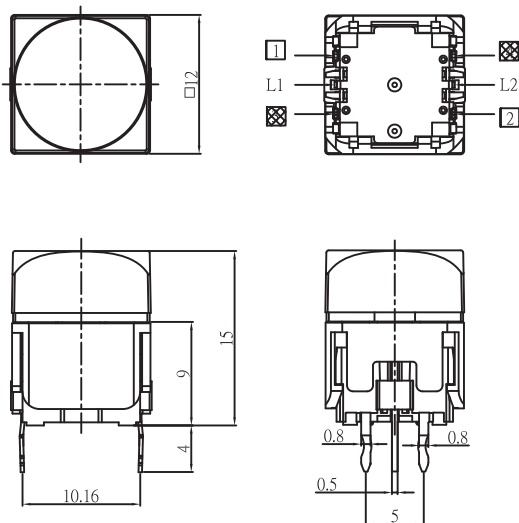
TL13-BB1R1NN-S1TW



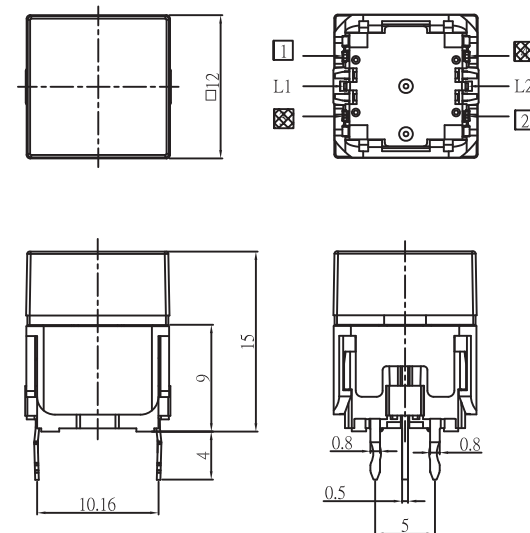
TL13-BB1G1NN-S1BTW



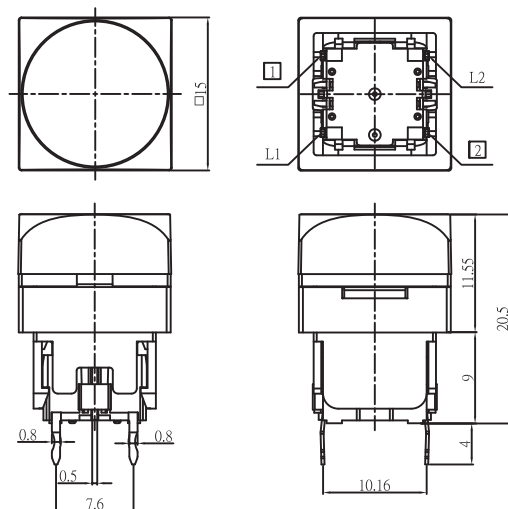
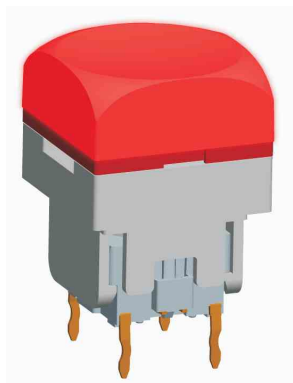
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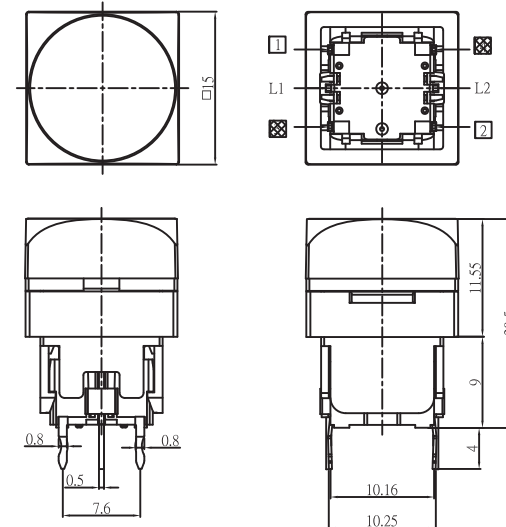
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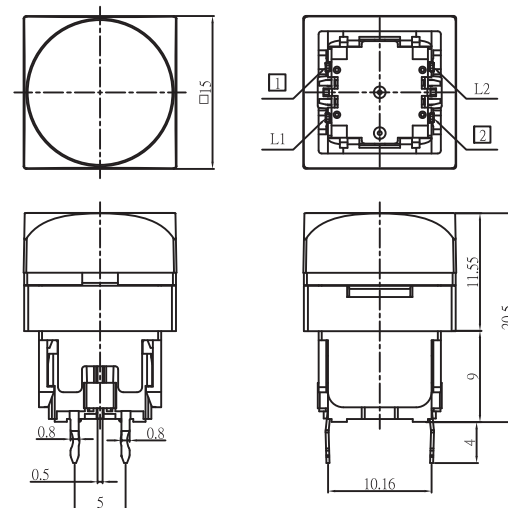
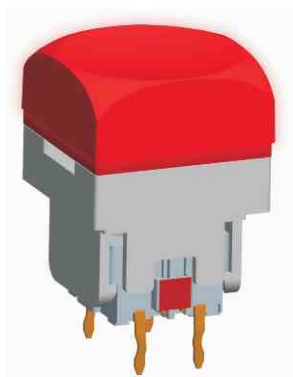
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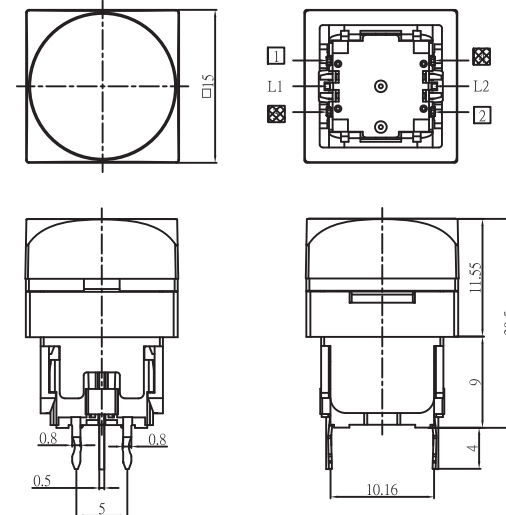
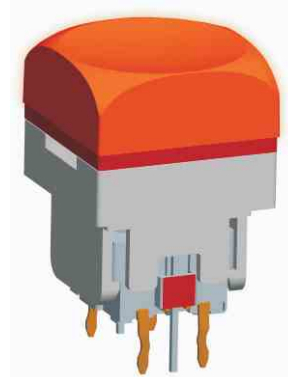
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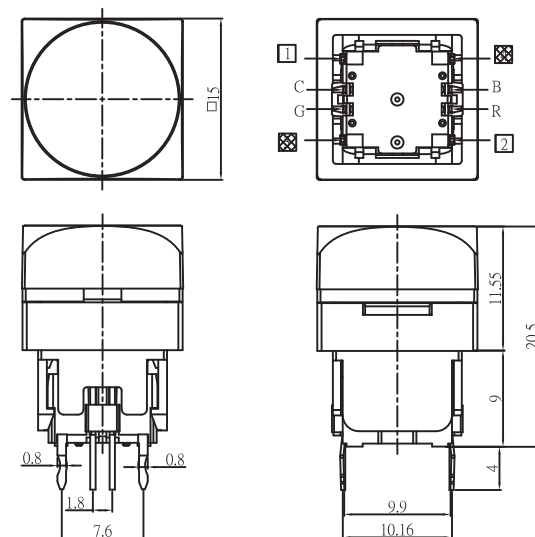
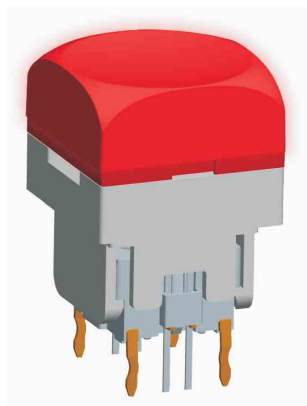
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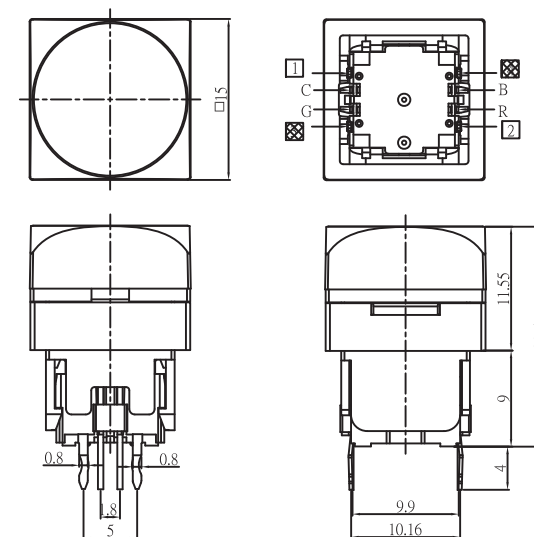
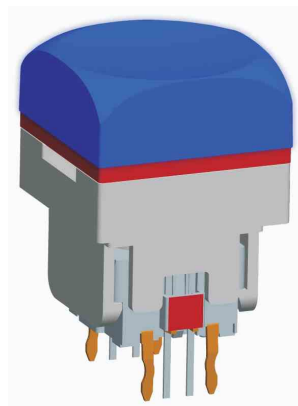
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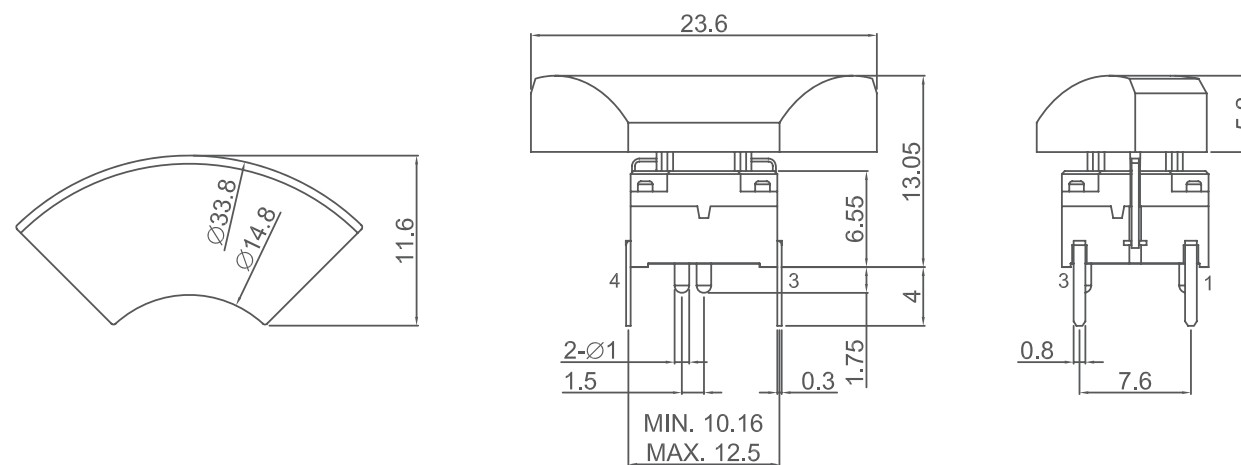
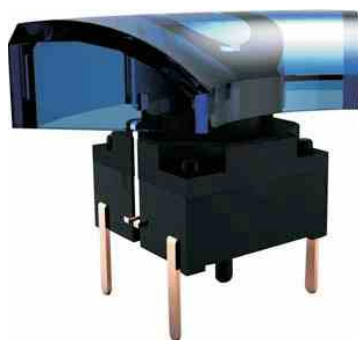
TL13-E1CBRG-S2TW



TL13-F1CBRG-S2TW

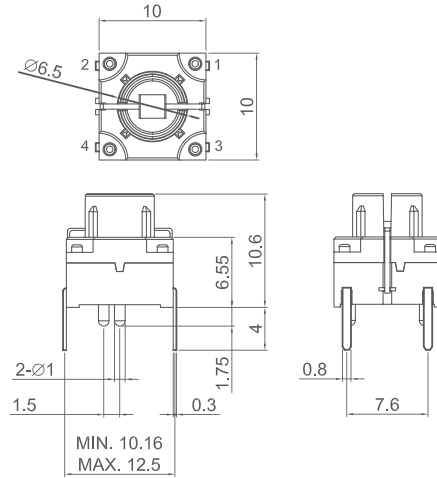


TL13-AA1B1NN-R2T

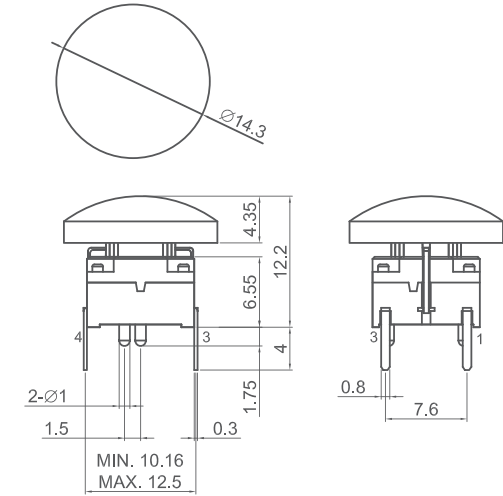


TL13

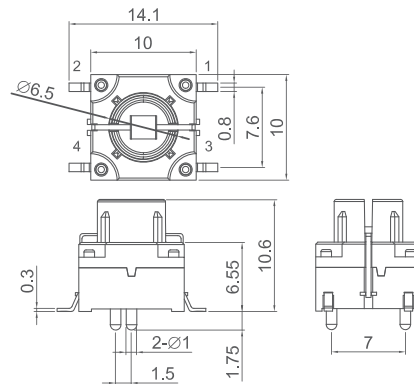
TL13-AA1R1NN-NNN



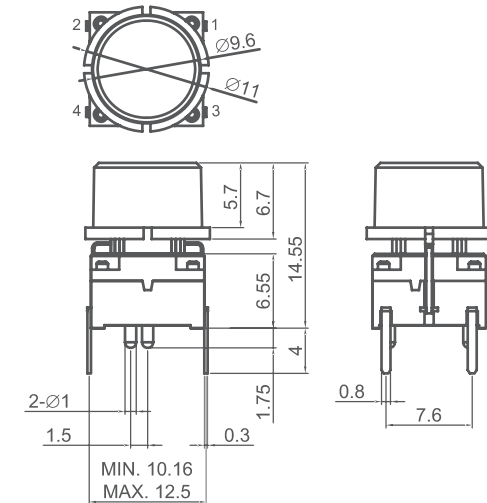
TL13-AA1Y1NN-RT



TL13-AA1W1NN-NNNS



TL13-AA1R1NN-R1T



RoHS
compliant