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恩樺電子(深圳)有限公司

EnRwha Electronic (ShenZhen) Co., Ltd.
<http://www.switch.com.tw>



COMPANY PROFILE

● Taiwan: EnRwey Co., Ltd. founded in 1994 (Headquarter).

China: EnRwha Electronic Co., Ltd. founded in 2007.

● has an excellent managing team, which runs the business with the concepts of "We are brotherly." All Chinese believe that being brother today resulted from predestined relationship. Our logo of "Brotherly" and "EW" was made according to the Chinese tradition. We would like to associate with every friend and business partner with warmth and passion to build up brotherly relationship on a solid foundation.

● In the process of pursuing growth, EnRwey has won the first and affirmation from the customers by going forward with stable and practical steps. In addition, we continuously research and develop high quality products through accumulating wisdom and creative ideas of our staff and employees.

● Currently, our products are widely used in many famous brands of mobile phones, computers, HPC, PDA & IT products, consumer electronics, household appliances, power tools, POS machines, medical, measuring & testing equipment, security systems and toys.

● Though switches are a small part of electronic products, they are essential for a smooth operation. Faulty switches not only affect your product, they could make you lose potential customers. For the coming new era, we will expand substantially, in terms of product range, output, business scope, manpower and global presence. Therefore, choose us to eliminate any switches problem.

● Our objectives: 3G and 1F
[Good Quality + Good Service + Good Price] and Fast Delivery

● Our products, More than 70% Comply with Halogen-free EC directive.

● 深圳恩樺電子有限公司座落在“中國第一經濟特區”深圳市內，成立於2007年9月，是總公司位於中國的銷售基地。總公司位於中國臺灣省中市，成立於1994年，是電子業界僅少數擁有17年以上歷史的廠商

● 本公司一直不斷致力於專業研發、生產、銷售，並引進日本同業專業生產技術。生產基地位於中國廣東省、以及浙江省。

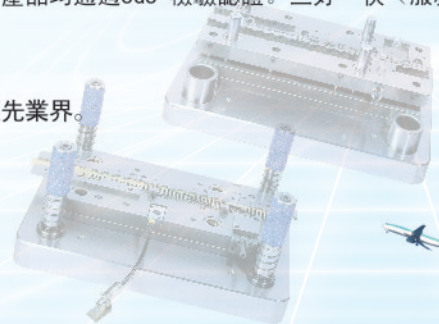
● 我司生產系列產品如下：開關、電源插座、USB連接器、1394連接器。

● 廣泛應用於各種電機、機械、家電、數碼、醫療、汽車產品專營亞洲、歐洲、南美洲地區業務推展。16年來，公司經歷了從小到大，從無到有的過程，現有員工（包含工廠產線）300多人，其中工程技術和管理骨幹30多人。並擁有現代化的生產辦公綜合大樓和先進的自動化生產設備，以及從日本引進的高精密的檢測儀器等一系列完善的配套設施。科學管理，以人為本，務實踏實，信譽至上。

● 我司產品自有品牌“Brotherly”“EnRwha”經過多年勵精圖治，茁壯成長。Brotherly 品牌走高階路線，EnRwha品牌走中低階路線，路線明確！中國工廠均通過ISO9001：2000品質管制體系、ISO14001：2004環境管理體系認證。我司為美商INTEL、IBM、DELL、日本豐田合格供應商，並與各大國際知名品牌長期配合，例如：ASUS 華碩電腦、MSI 微星科技、GIGA 技嘉科技等。

● 工廠全無鉛制程、提供無鉛、環保耐高溫產品，產品均通過SGS 檢驗認證。三好一快（服務好、品質好、價格好、交貨快）是我司一直以來堅持對客戶服務的原則。

● 我司產品目前70%以上均符合歐盟無鹵標準，領先業界。



We Are "Brotherly" Switch Solution



PRODUCTION STRENGTH



● 自動化生產線



● 自動射出成型機



● 自動裝配機



● 自動檢測機



● 輕觸開關自動檢測線



● 自動注塑機



● 五金沖壓設備



● 五金沖壓設備

TESTING EQUIPMENT



● ROHS 環保檢測儀



● 鹽霧測試機



● 壽命測試儀



● 輕觸開關自動檢測機



● 按壓力自動測試機



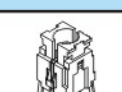
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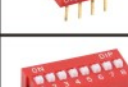
型號 MODEL	產品 PRODUCT	頁碼 PAGE	型號 MODEL	產品 PRODUCT	頁碼 PAGE	型號 MODEL	產品 PRODUCT	頁碼 PAGE
TACT SWITCH SERIES			BTS-1101-004GU		7	BTS-1102LV(L)		14
BTS-1101(L)		2	BTS-1101-005			BTS-1102LVT(L)		
BTS-1101P(L)			BTS-1101-006			BTS-1102SV(L)		15
BTS-1101R(L)			BTS-1102(L)		9	BTS-1102SVT		
BTS-1101RV(L)		3	BTS-1102P(L)			BTS-1102NV(L)		16
BTS-1101RT(L)			BTS-1102T		10	BTS-1102ZV(L)		
BTS-1101RVT(L)			BTS-1102PT			BTS-1102MV(L)		
BTS-1101V(L)		4	BTS-1102HM			BTS-1102U(P)(L)		17
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BTS-1101NF(L)		5	BTS-1102NET		12	BTS-11025U		19
BTS-1101NU(L)			BTS-1102ST			BTS-1103(L)		
BTS-1101E(L)			BTS-1102SJ(L)		13	BTS-1103T		20
BTS-1101S(L)		6	BTS-1102V(L)			BTS-1103ET		
BTS-1101MJ			BTS-1102PV(L)			BTS-1103V(L)		
BTS-1101-004			BTS-1102VT		14	BTS-1103VT		

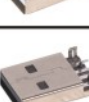
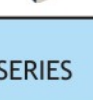
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BTS-1103VA			BTS-1114S			BTS-1157N(L) (5Pin)		
BTS-1103NSA			BTS-S1114S			BTS-1157NDJ(L)		
BTS-1104(L)		24	BTS-1115		30	BTS-1158ND(L)		38
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BTS-S1104(L)		25	BTS-1116			31	BTS-1186	
BTS-S1104T			BTS-1117		BTS-1187(L)			
BTS-L1104(L)		26	BTS-1117SL		BTS-1187M			
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BRS-RS-61			BUS-4AFHDP		BRC-DS-220				
BRS-RS-71			BUS-4AFRP		BRC-DS-313				
BRS-RS-81		90	BUS-4AFML		96	BRC-DS-413		101	
			BUS-4AFMSL			BRC-DS-420			

3.0×6.0mm Series TACT SWITCH 輕觸開關 料號編碼原則

BTS-1101

Product Type

Product Height(L/H)

Operating Force

- 1:100/130gf
- 2:160/180/200gf
- 3:250/300gf
- 4:400gf(雙彈片)
- 5:500gf(雙彈片)

□:RoHs&Lead Free
R:Halogen-free

Internal Number

Stem/Case Color

B:Black E:Gray
R:Red G:Green
W:White BR:Brown
Y:Yellow S:Silver
BL:Blue

Housing Material

V:Lead Free Solderable
(Only SMD Type)
(只有貼面產品)

Package

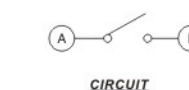
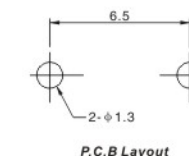
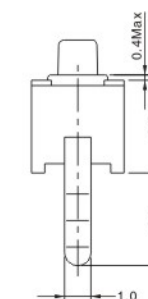
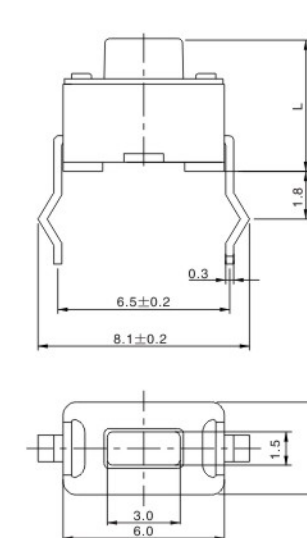
RP: Reel-Package
Taping-Reel
TP:Tube
□:Standard Bag

SPECIFICATION

- 1.Rating:DC 12V 50mA
- 2.Contact Resistance:100mΩ max
- 3.Insulation Resistance:100MΩ Min
- 4.Life:30,000~50,000 Cycle
- 5.Travel:0.25±0.1mm

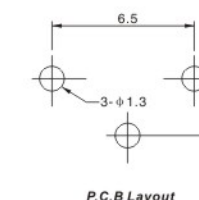
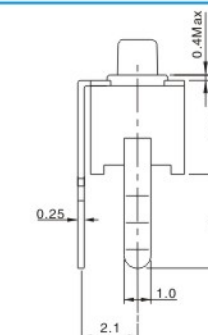
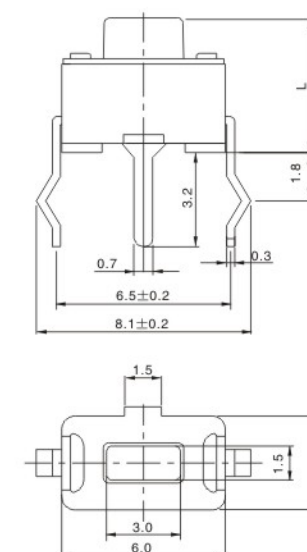
注：以產品圖紙為準 INDIVIDUAL PRODUCT DRAWING TO BENCHMARK

BTS-1101(L)



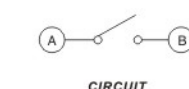
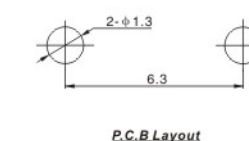
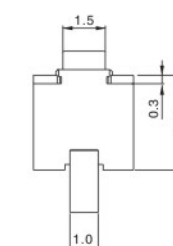
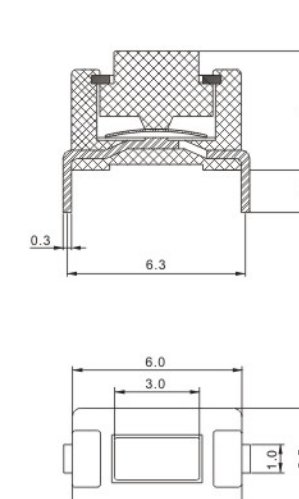
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L(mm)	4.3	5.0	5.8

BTS-1101P(L)



Model.No.	A
L(mm)	4.3

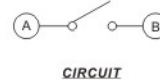
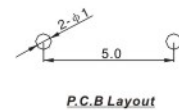
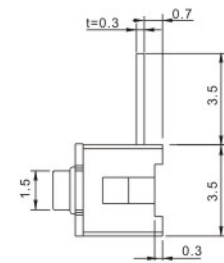
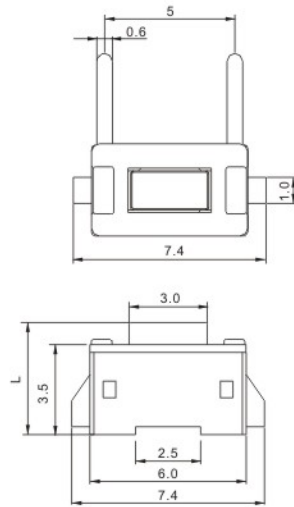
BTS-1101R(L)



Model.No.	A
L(mm)	4.3

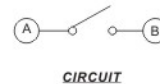
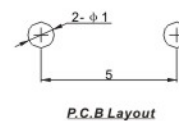
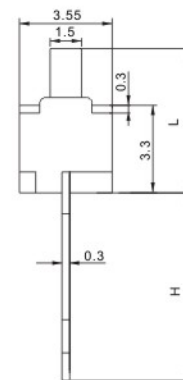
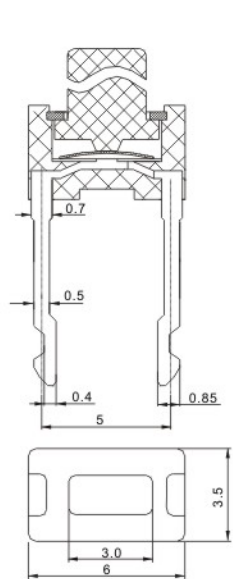
TACT SWITCH SERIES

BTS-1101RV(L)



Model.No.		A
L(mm)	4.3	5.0

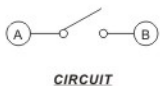
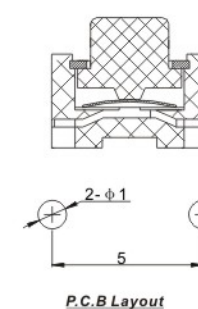
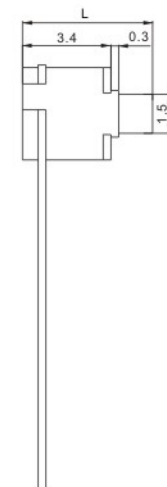
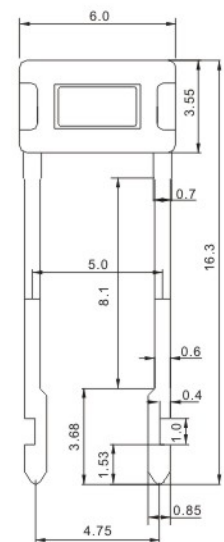
BTS-1101RT(L)



Model.No.		A
L(mm)	4.3	5.0

Model	H(mm)
BTS-1101RT	13.3
BTS-1101RT(8.5中脚)	8.5

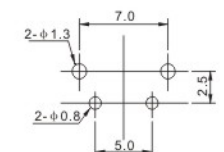
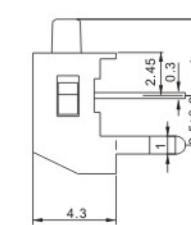
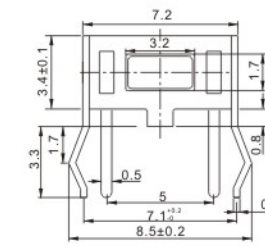
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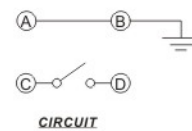
Model.No.		A
L(mm)	4.3	5.0

TACT SWITCH SERIES

BTS-1101V(L)

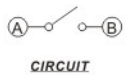
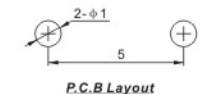
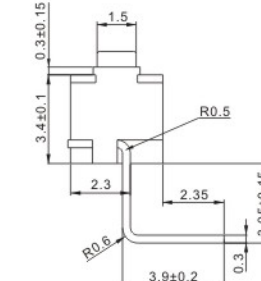
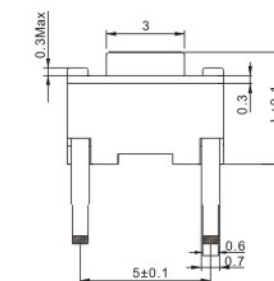


P.C.B Layout



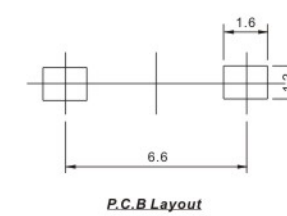
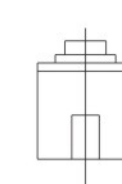
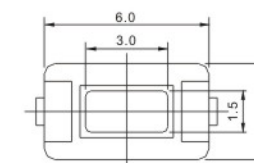
Model.No.		A	D
L(mm)	3.15	3.85	6.85

BTS-1101VRT(L)



Model.No.		A
L(mm)	4.3	5.0

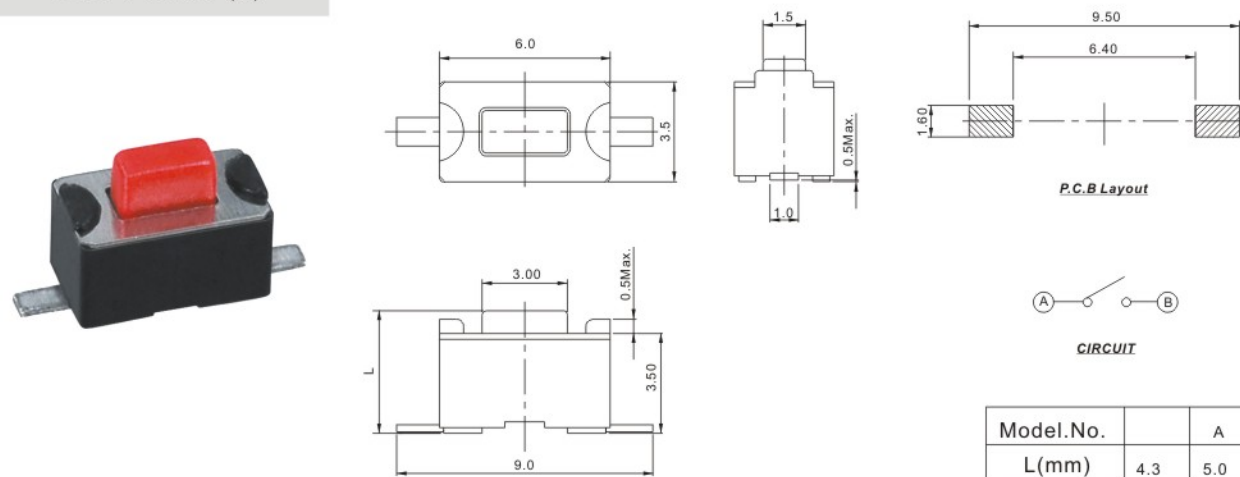
BTS-1101NH(L)



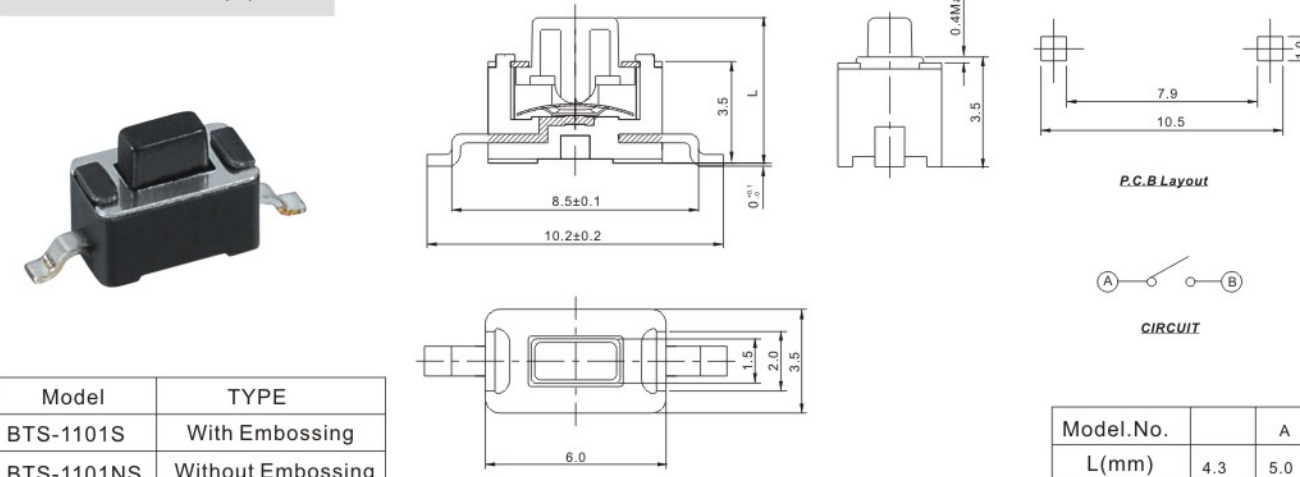
Model.No.		A
L(mm)	4.3	5.0

TACT SWITCH SERIES

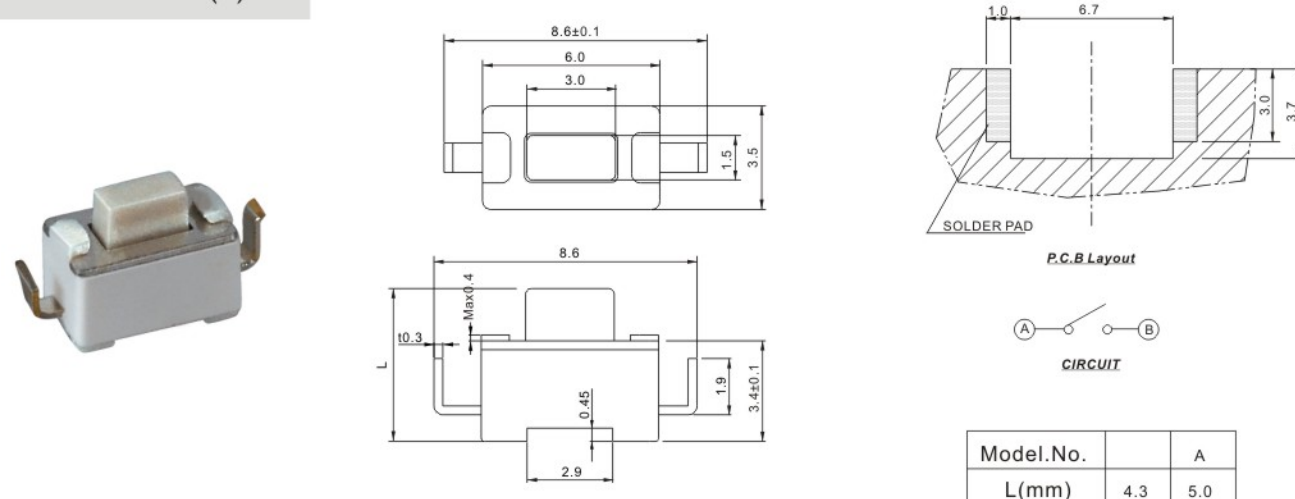
BTS-1101NF(L)



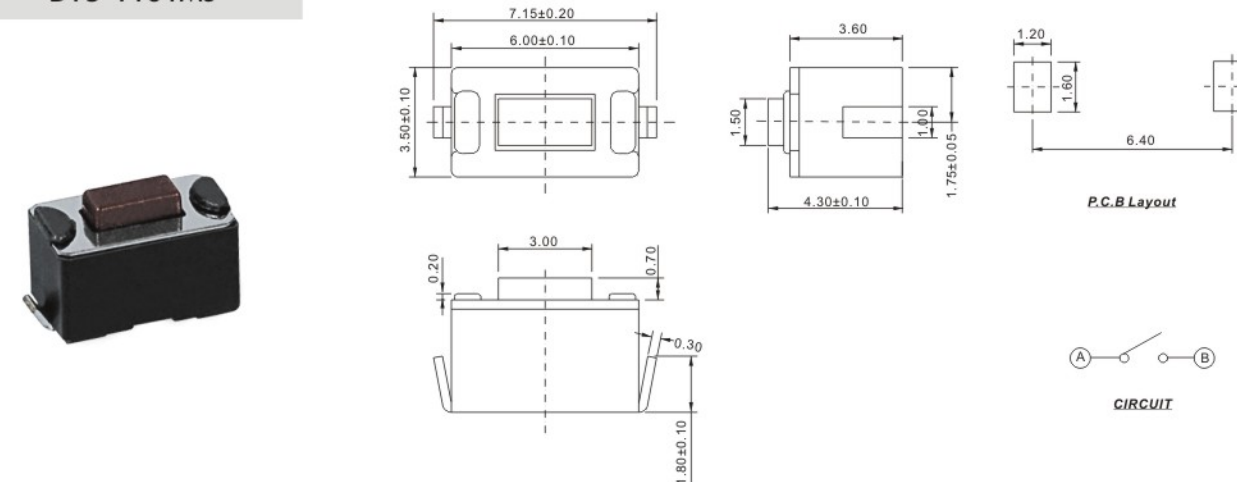
BTS-1101S(L)



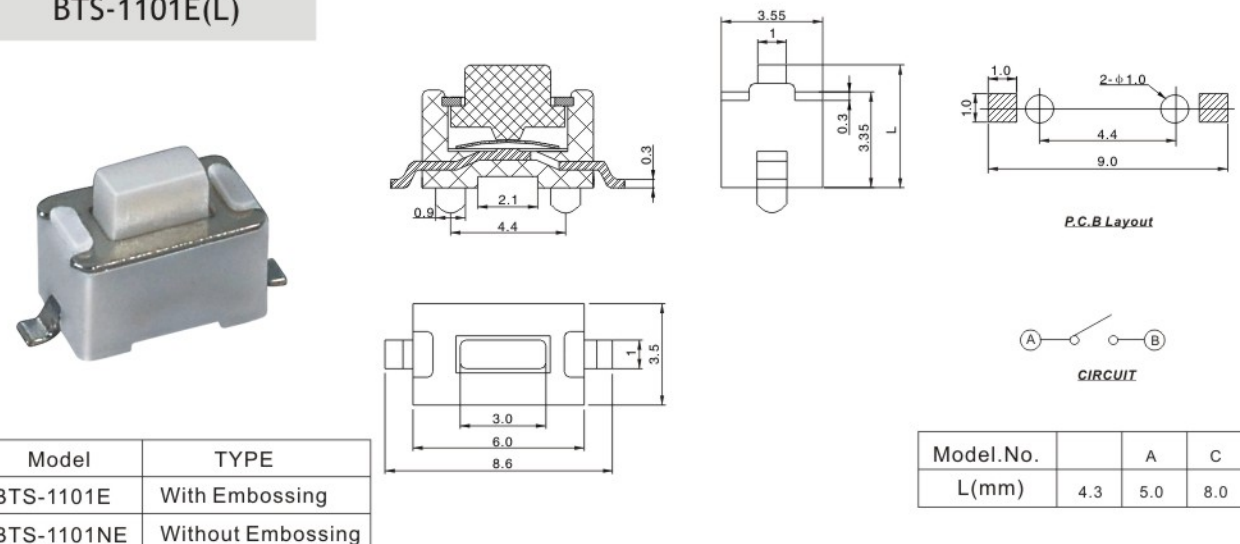
BTS-1101NU(L)



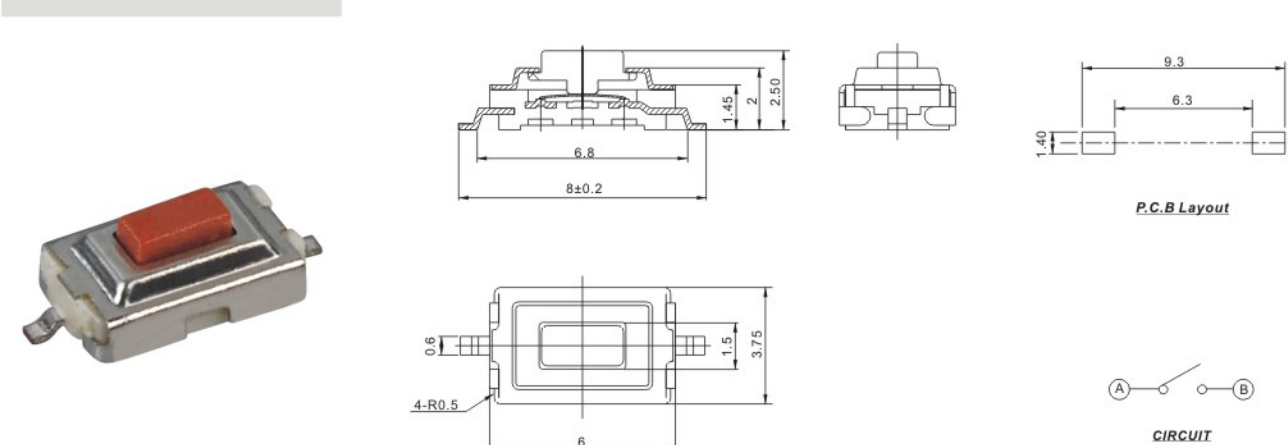
BTS-1101MJ



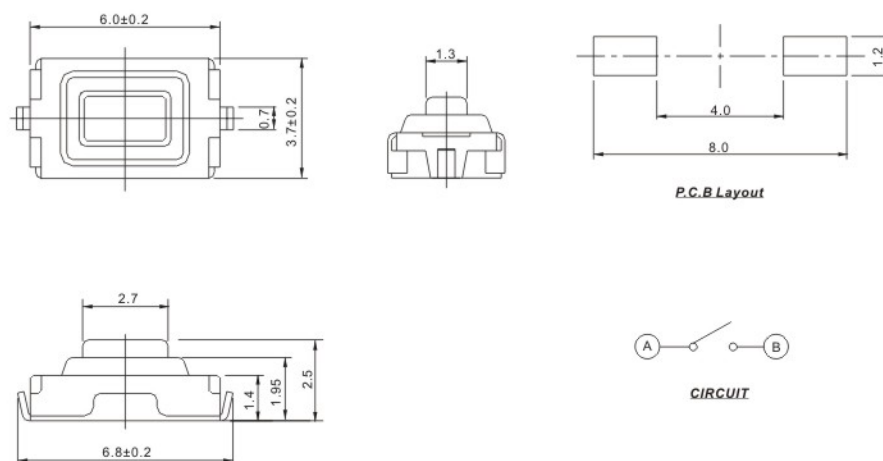
BTS-1101E(L)



BTS-1101-004

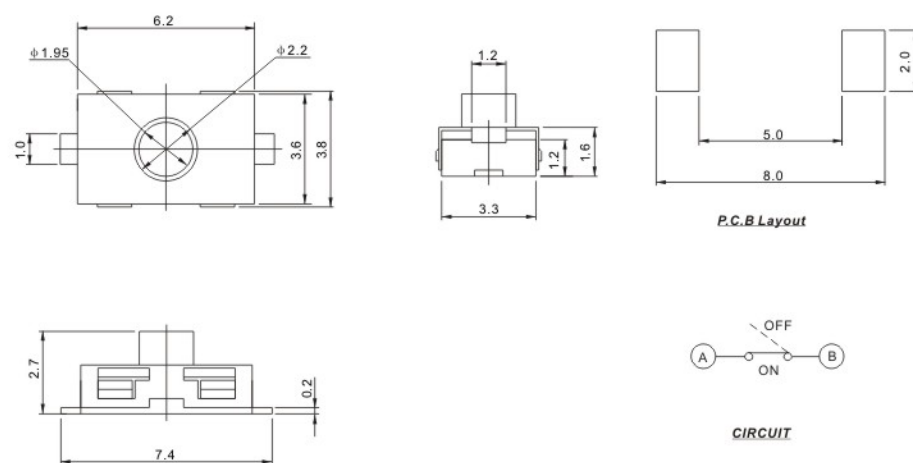


BTS-1101-004GU

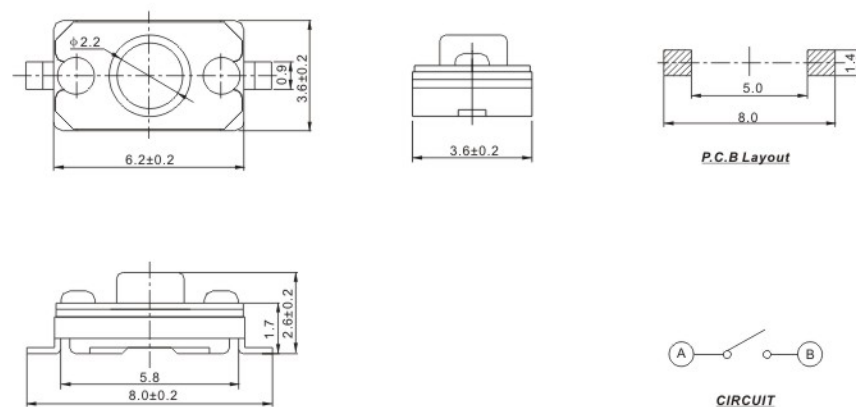


BTS-1101-005

Normal Closed Type



BTS-1101-006



6.0×6.0mm Series TACT SWITCH 輕觸開關 料號編碼原則

BTS-1102- - - - -

Product Type

Product Height(L/H)

Operating Force

- 1:100/130gf
- 2:160/180/200gf
- 3:250/300gf
- 4:400gf(雙彈片)
- 5:500gf(雙彈片)

Stem Color

B:Black E:Gray
R:Red G:Green
W:White BR:Brown
Y:Yellow S:Silver
BL:Blue

Package

RP: Reel-Package
Taping-Reel
TP:Tube
□:Standard Bag

□:RoHs&Lead Free
R:Halogen-free

Internal Number

Housing Material

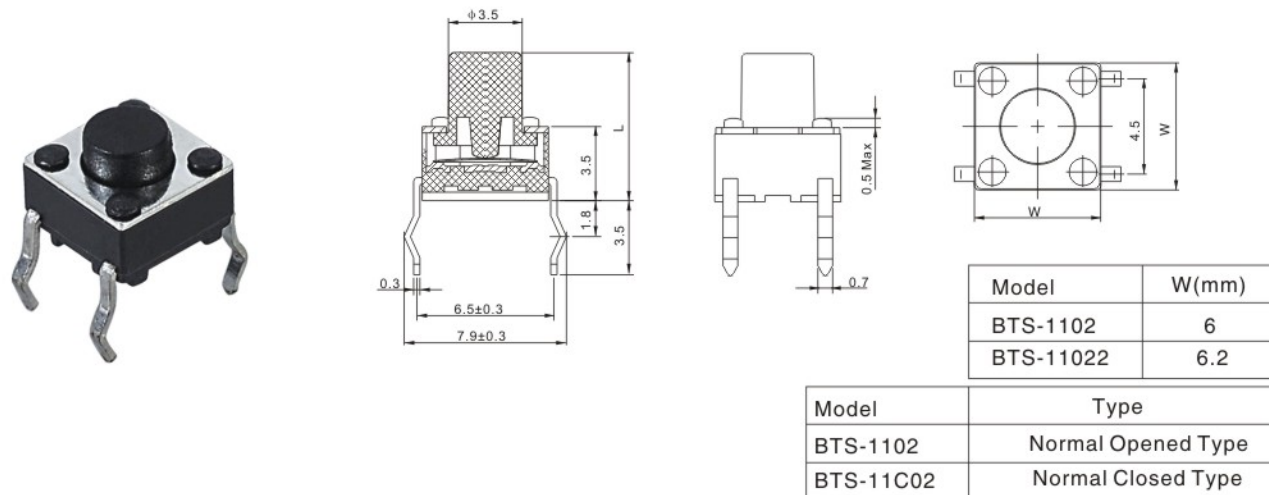
V:Lead Free Solderable
(Only SMD Type)
(只有貼面產品)

SPECIFICATION

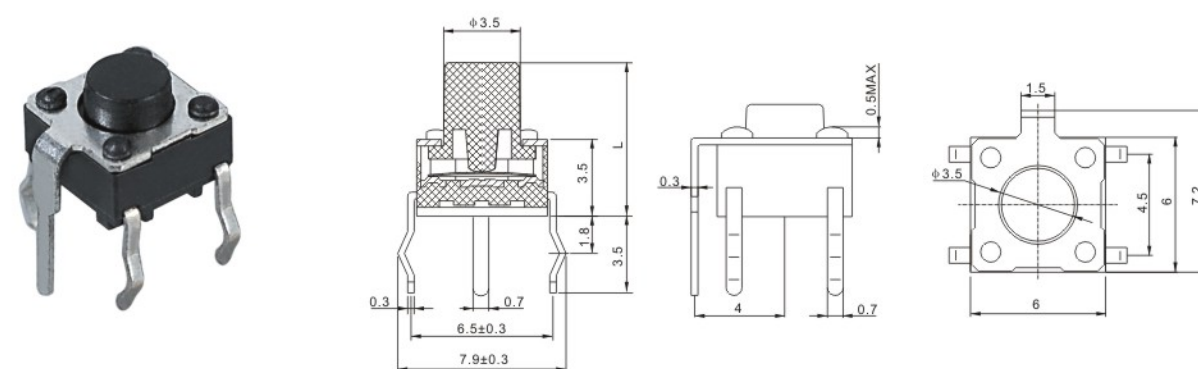
- 1.Rating:DC 12V 50mA
- 2.Contact Resistance:100mΩ max
- 3.Insulation Resistance:100MΩ Min
- 4.Life:100,000~1,000,000 Cycle
- 5.Travel:0.25±0.1mm

注：以產品圖紙為準 INDIVIDUAL PRODUCT DRAWING TO BENCHMARK

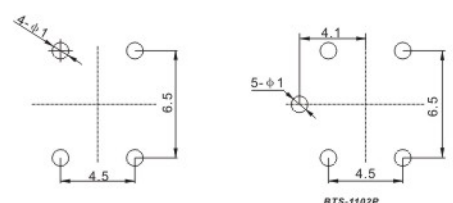
BTS-1102(L)



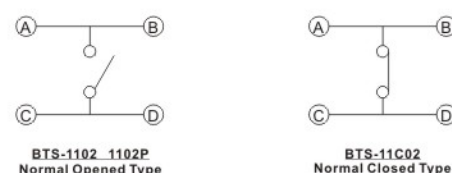
BTS-1102P(L)



P.C.B Layout

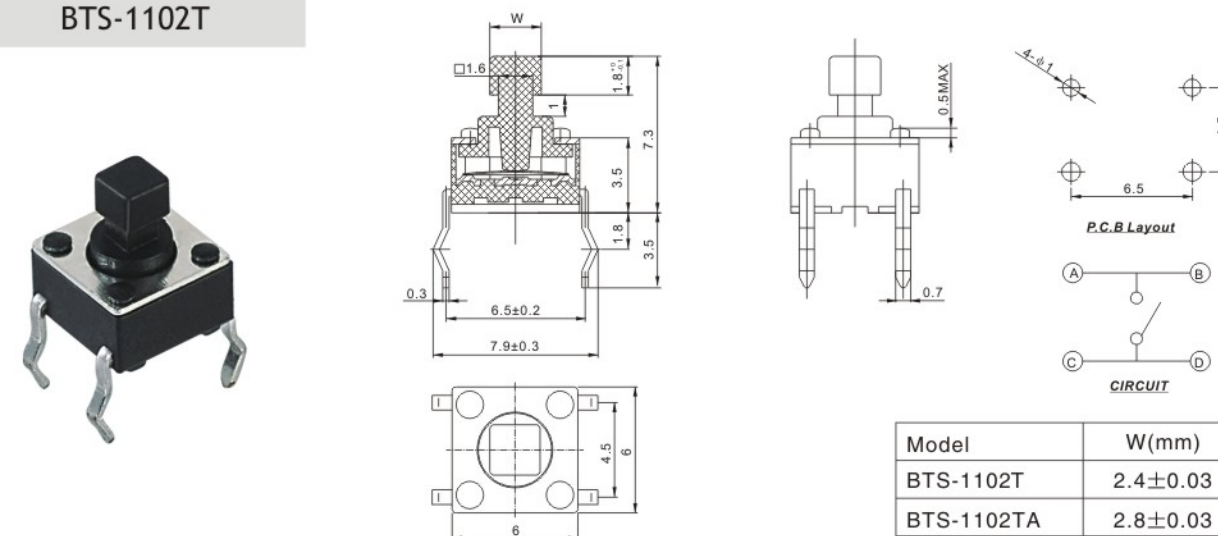


CIRCUIT

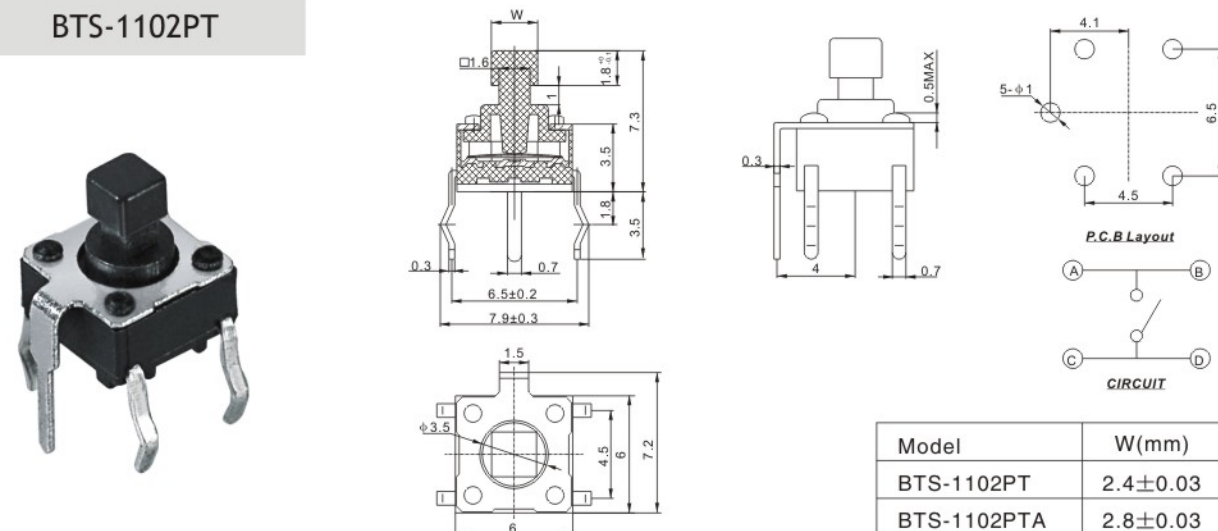


Model.No.		A	AL	AA	AB	AD	B	E	N	NL	C	Y
L(mm)	4.3	5.0	5.5	6.0	6.5	6.8	7.0	7.3	7.5	7.7	8.0	8.5
Model.No.	R	D	X	U	L	M	K	F	I	G	W	O
L(mm)	9.0	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5
Model.No.	Q	QR	QS	J	H	HX	HZ	Z	ZL	ZZ		
L(mm)	15	15.3	15.5	16	17	18	19	20	21	26		

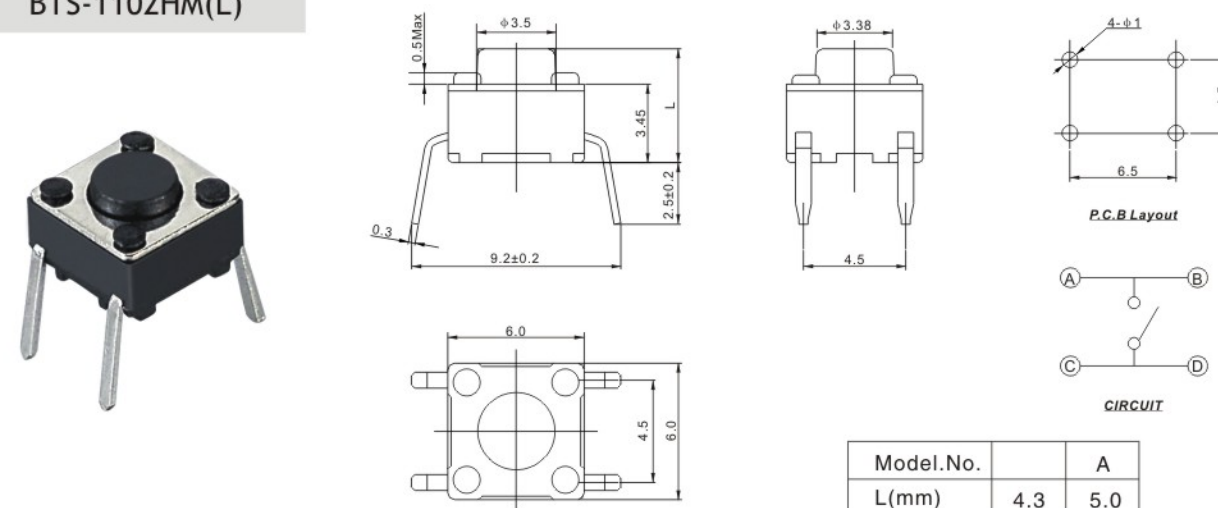
BTS-1102T



BTS-1102PT

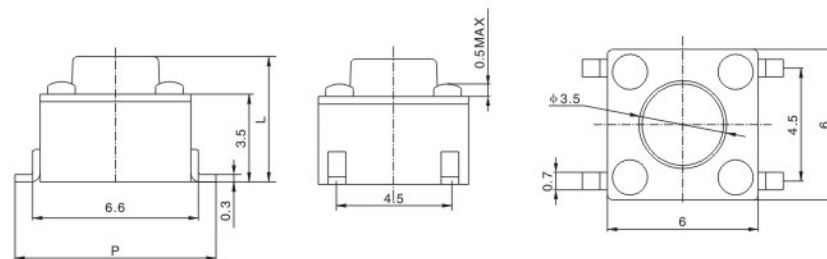


BTS-1102HM(L)



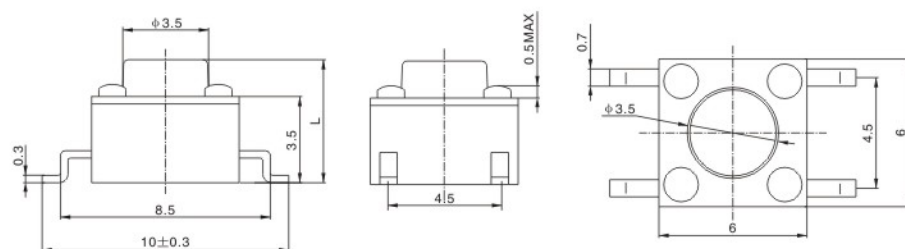
TACT SWITCH SERIES

BTS-1102NE(L)

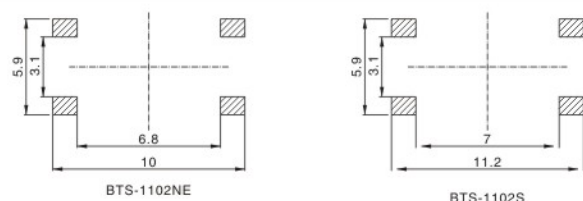


Model	P(mm)
BTS-1102NE(L)-(OF)-(B)-(X)	8.0
BTS-1102NE(L)-(OF)-(B)-(X)-90	9.0

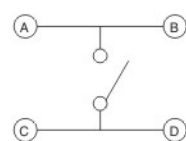
BTS-1102S(L)



P.C.B Layout



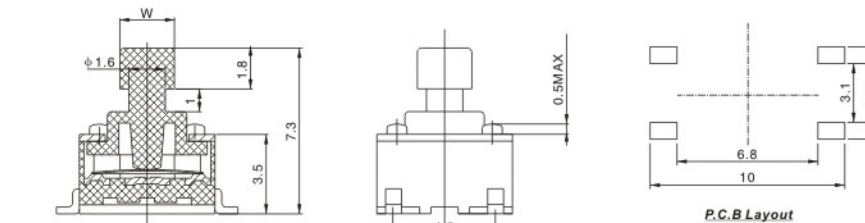
CIRCUIT



Model.No.		A	AL	AA	A B	AD	B	E	N	NL	C	Y
L(mm)	4.3	5.0	5.5	6.0	6.5	6.8	7.0	7.3	7.5	7.7	8.0	8.5
Model.No.	R	D	X	U	L	M	K	F	I	G	W	O
L(mm)	9.0	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5
Model.No.	Q	QR	QS	J	H	HX	HZ	Z	ZL	ZZ		
L(mm)	15	15.3	15.5	16	17	18	19	20	21	26		

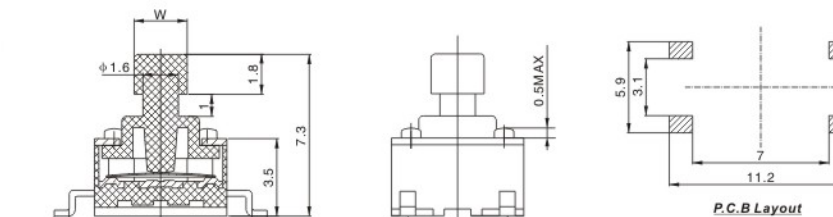
TACT SWITCH SERIES

BTS-1102NET



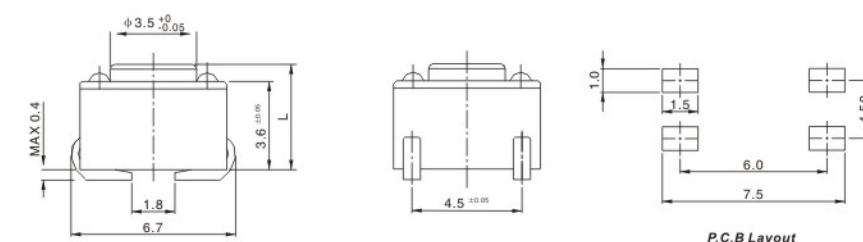
Model	W(mm)
BTS-1102NET	2.4±0.03
BTS-1102NETA	2.8±0.03

BTS-1102ST



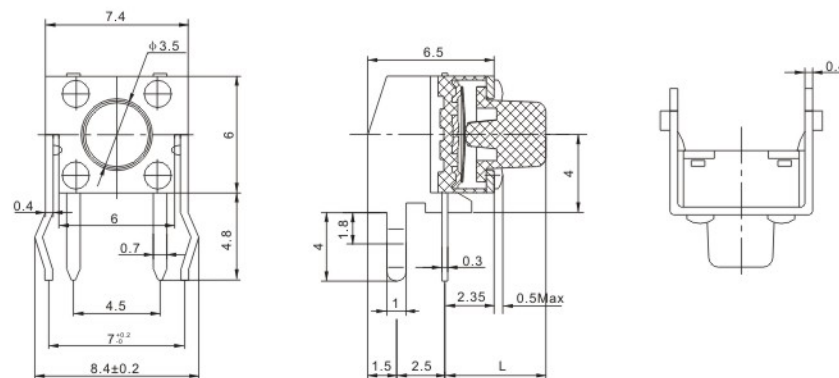
Model	W(mm)
BTS-1102ST	2.4±0.03
BTS-1102STA	2.8±0.03

BTS-1102SJ(L)

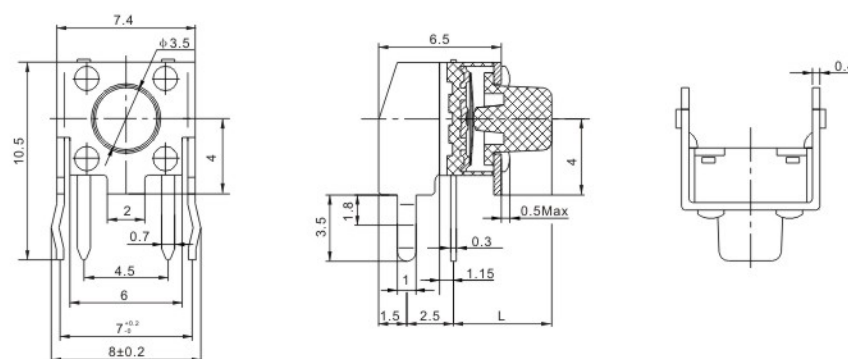


Model		A	B	C	D
L(mm)	4.3	5.0	7.0	8.0	9.5

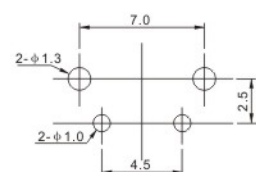
BTS-1102V(L)



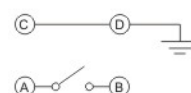
BTS-1102PV(L)



P.C.B Layout

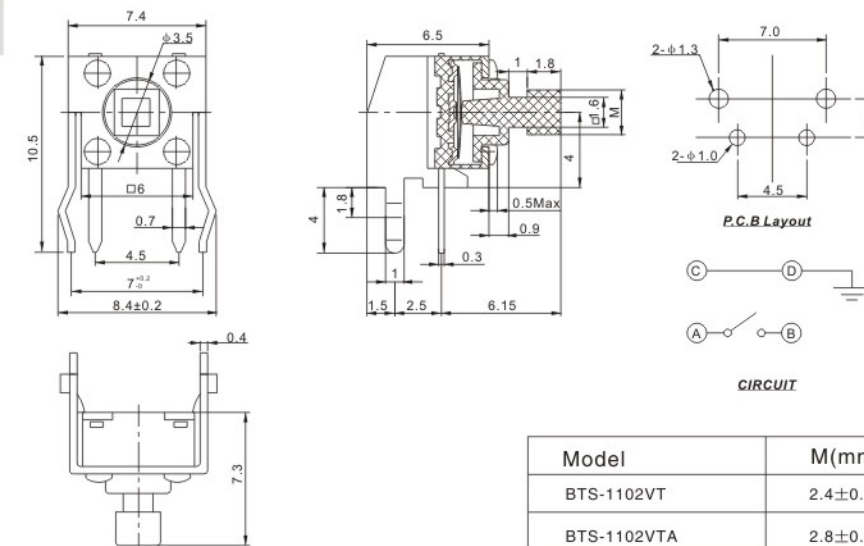


CIRCUIT



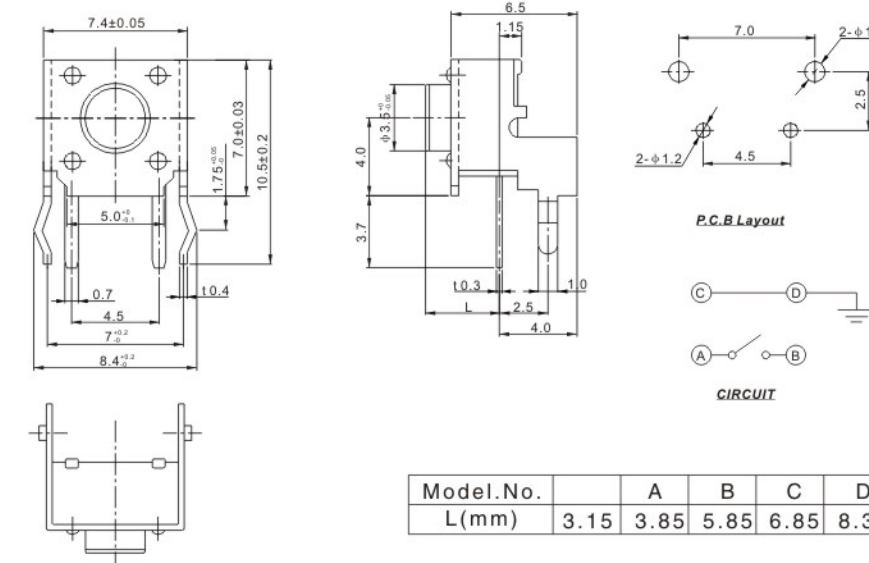
Model.No.		A	AL	AA	AB	B	E	N	NL	C	Y	R
L(mm)	3.15	3.85	4.35	4.85	5.35	5.85	6.15	6.35	6.55	6.85	7.35	7.85
Model.No.	D	X	U	L	M	K	F	I	G	W	Q	QR
L(mm)	8.35	8.85	9.35	9.85	10.35	10.85	11.35	11.85	12.35	12.85	13.85	14.15
Model.No.	H	HX	Z	ZL								
L(mm)	15.85	16.85	18.85	19.85								

BTS-1102VT



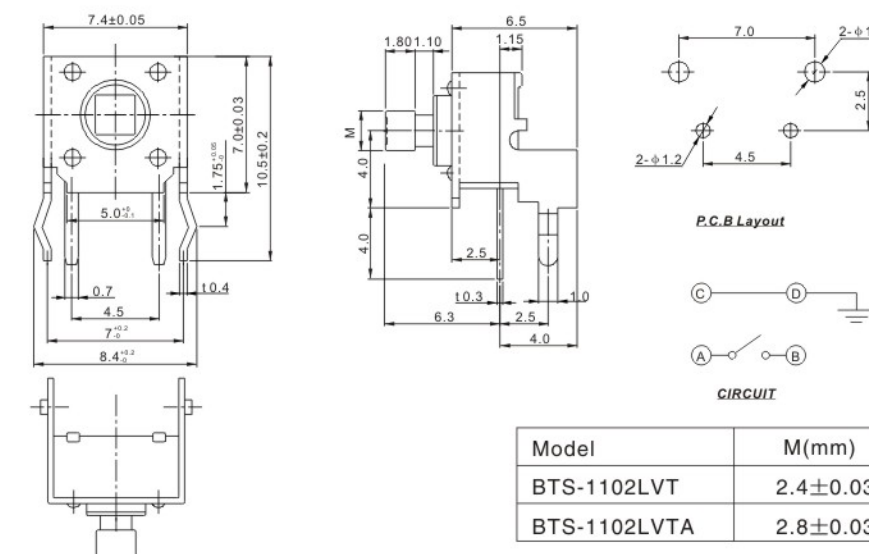
Model	M(mm)
BTS-1102VT	2.4±0.03
BTS-1102VTA	2.8±0.03

BTS-1102LV(L)



Model.No.		A	B	C	D
L(mm)	3.15	3.85	5.85	6.85	8.35

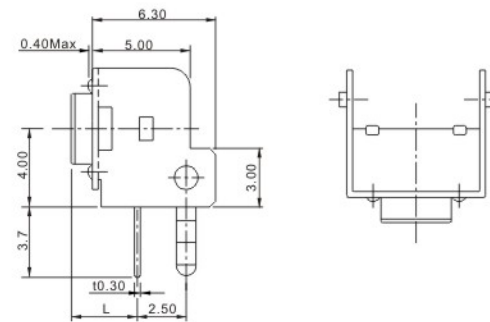
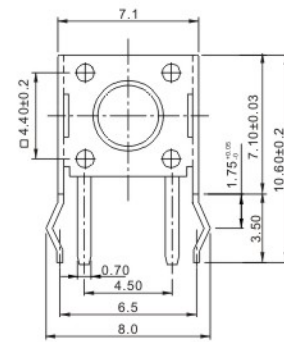
BTS-1102LVT



Model	M(mm)
BTS-1102LVT	2.4±0.03
BTS-1102LVTA	2.8±0.03

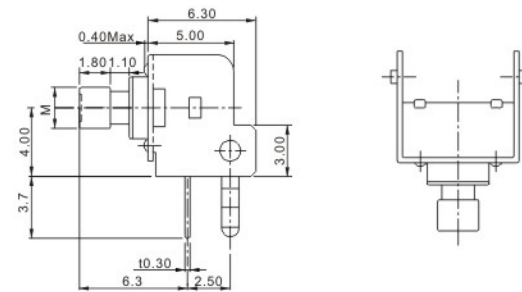
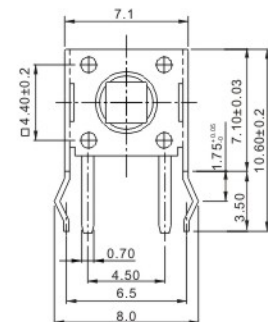
TACT SWITCH SERIES

BTS-1102SV(L)



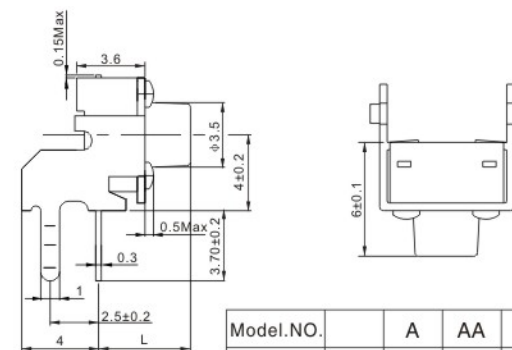
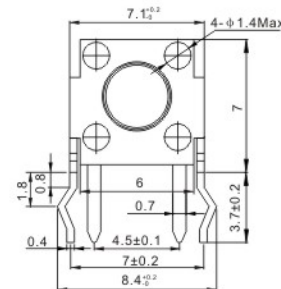
Model.No.		A	B	E	C	Y	D
L(mm)	3.15	3.85	5.85	6.15	6.85	7.35	8.35
Model.No.	M	K	F	I	G	H	
L(mm)	10.35	10.85	11.35	11.85	12.35	15.85	

BTS-1102SVT



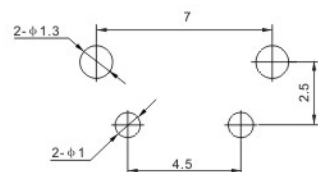
Model	M(mm)
BTS-1102SVT	2.4±0.03
BTS-1102SVTA	2.8±0.03

BTS-1102NV(L)

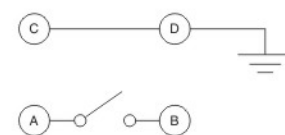


Model.NO.		A	AA	B
L(mm)	3.15	3.85	4.85	5.85

P.C.B Layout

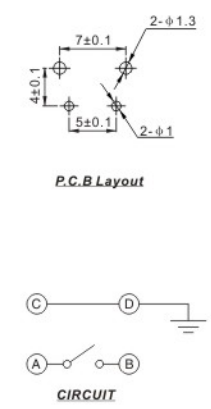
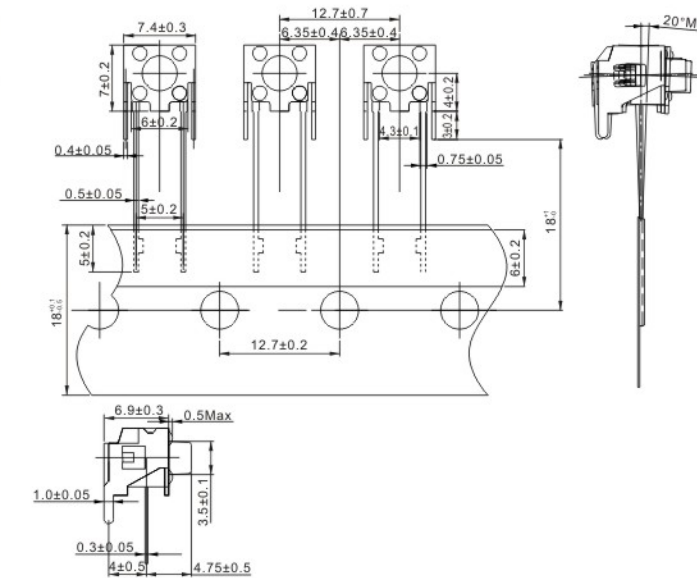


CIRCUIT

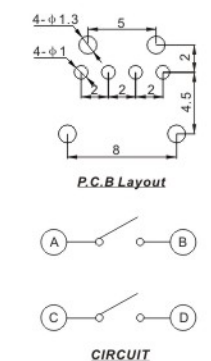
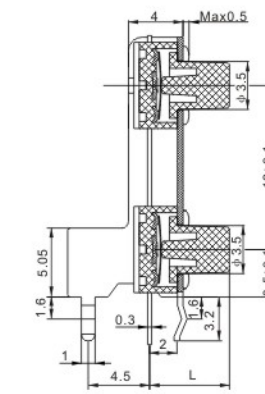
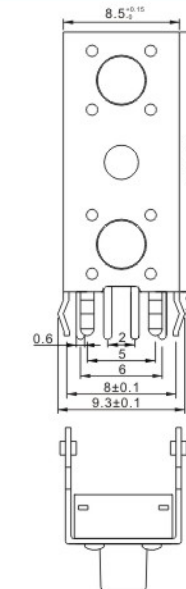


TACT SWITCH SERIES

BTS-1102ZV(L)

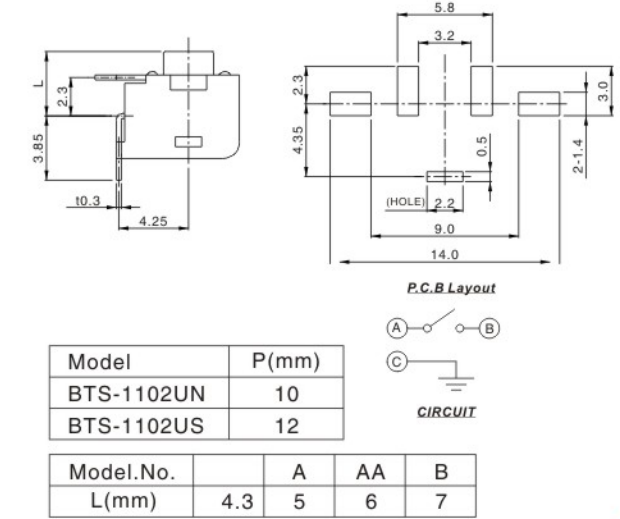
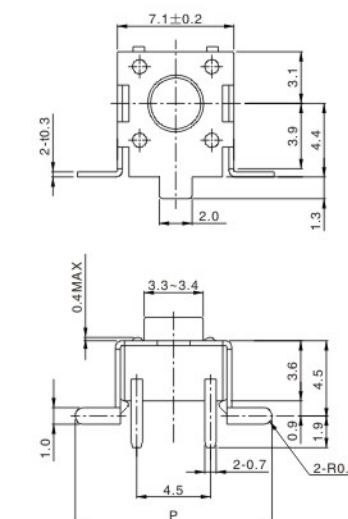


BTS-1102MV(L)



Model.No.		A	AA	B
L(mm)	3.15	3.85	4.85	5.85

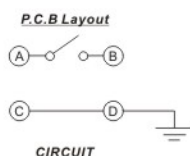
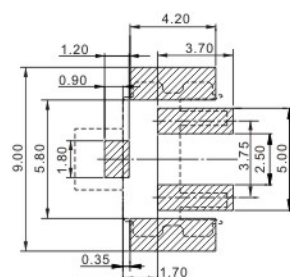
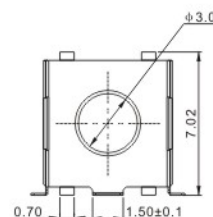
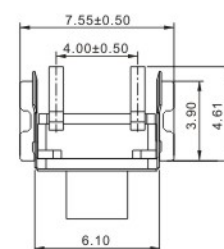
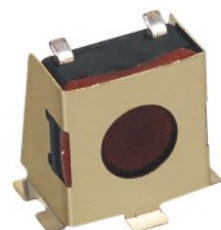
BTS-1102U(P)(L)



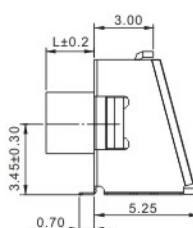
Model	P(mm)
BTS-1102UN	10
BTS-1102US	12

Model.No.		A	AA	B
L(mm)	4.3	5	6	7

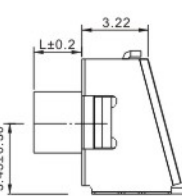
BTS-1102VU(L)



Model	TYPE
BTS-1102VU	Without Supporting Terminals
BTS-1102VNU	With Supporting Terminals



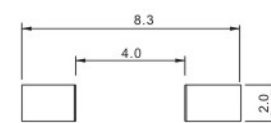
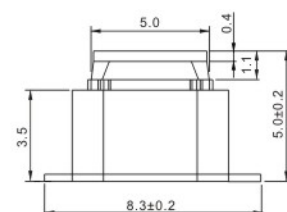
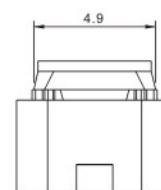
BTS-1102VNU



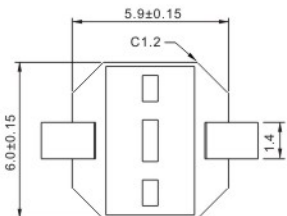
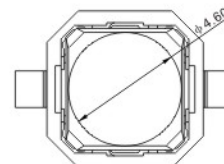
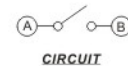
BTS-1102VU

Model.No.		A	B	C	D
L(mm)	0	0.8	1.0	2.35	3.3

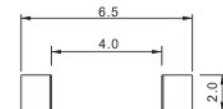
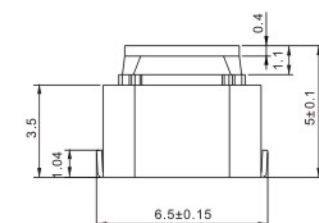
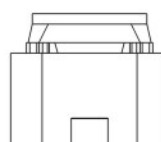
BTS-11025N



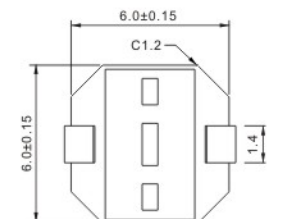
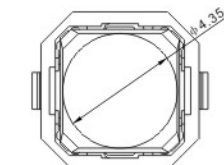
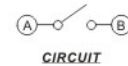
P.C.B Layout



BTS-11025U



P.C.B Layout



12×12mm Series
TACT SWITCH 輕觸開關
料號編碼原則

BTS-1103

Product Type

Product Height(L/H)

Operating Force

- 1:100/130gf
- 2:160/180/200gf
- 3:250/300gf
- 4:400gf(雙彈片)
- 5:500gf(雙彈片)

Stem Color

- B:Black
- R:Red
- W:White
- Y:Yellow
- BL:Blue

Package

- RP: Reel-Package
- TP:Tube
- :Standard Bag

:RoHs&Lead Free
R:Halogen-free

Internal Number

Housing Material

V:Lead Free Solderable
(Only SMD Type)
(只有貼面產品)

SPECIFICATION

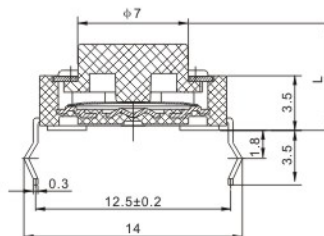
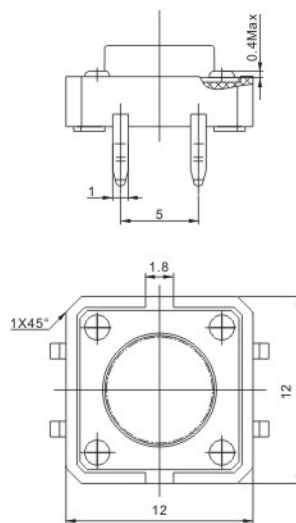
- 1.Rating:DC 12V 50mA
- 2.Contact Resistance:100mΩ max
- 3.Insulation Resistance:100MΩ Min
- 4.Life:50,000~1,000,000 Cycle
- 5.Travel:0.3±0.1mm

注：以產品圖紙為準 INDIVIDUAL PRODUCT DRAWING TO BENCHMARK

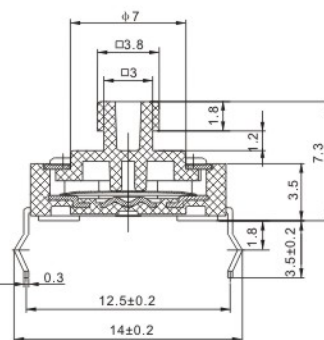
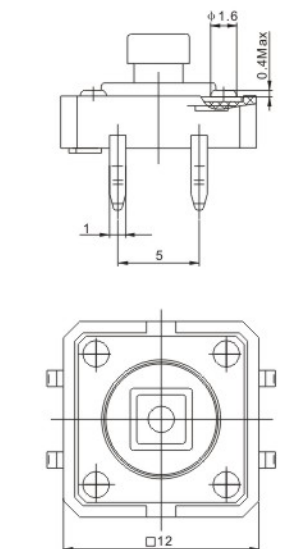
TACT SWITCH SERIES

TACT SWITCH SERIES

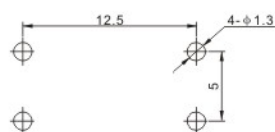
BTS-1103(L)



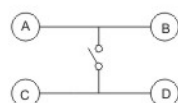
BTS-1103T



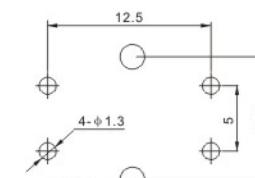
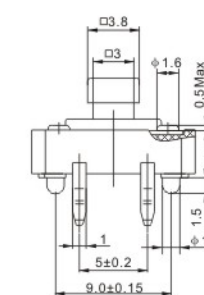
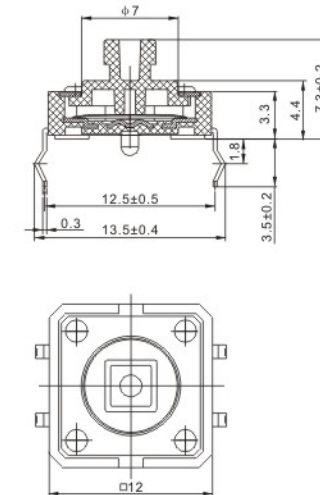
P.C.B Layout



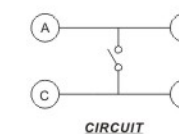
CIRCUIT



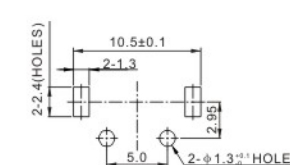
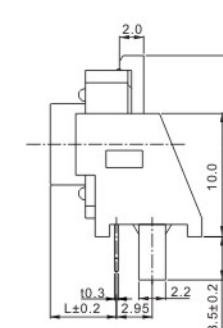
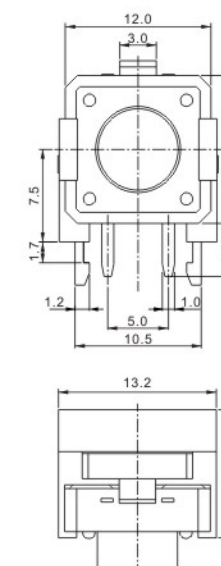
BTS-1103ET



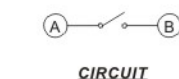
P.C.B Layout



BTS-1103V(L)

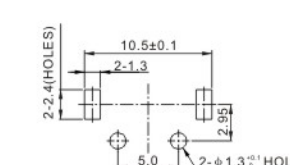
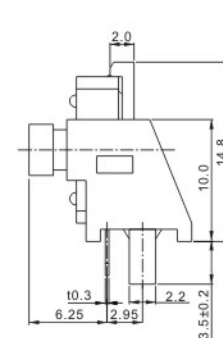
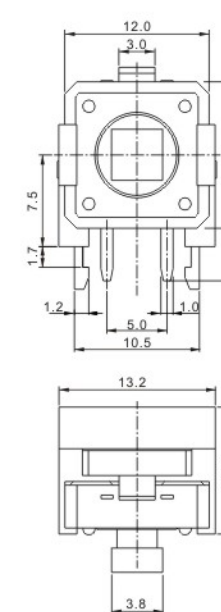


P.C.B Layout

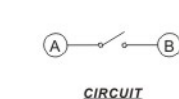


Model.No.	B	G	F
L(mm)	3.05	6.45	7.25 8.25

BTS-1103VT



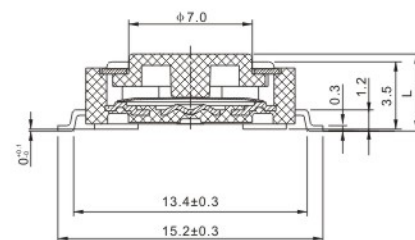
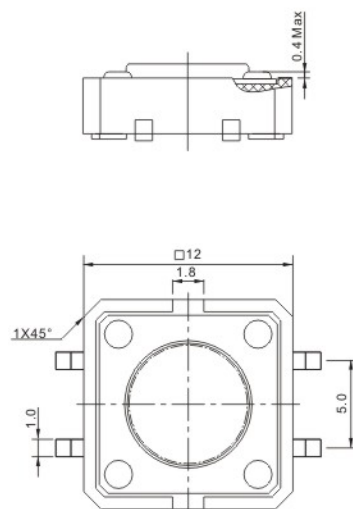
P.C.B Layout



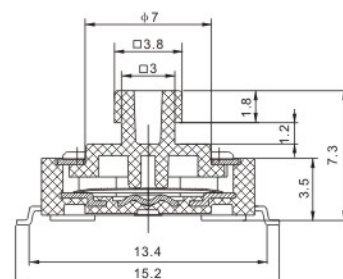
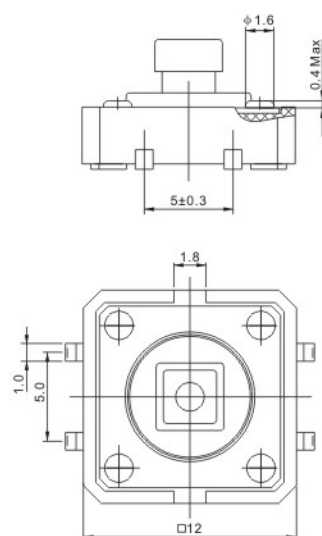
Model.No.		AL	L	AA	BB	B	K	G	H	F
L(mm)	4.3	4.5	5.0	6.0	7.0	7.5	8.0	8.5	9.0	9.5
Model.No.		Q	R	D	I	M	J	N	W	
L(mm)	10.0	11.0	12.0	13.0	15.0	15.9	17.0	18.0		

TACT SWITCH SERIES

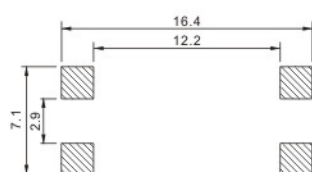
BTS-1103NS(L)



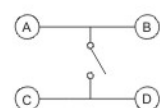
BTS-1103NST



P.C.B Layout



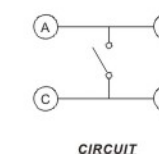
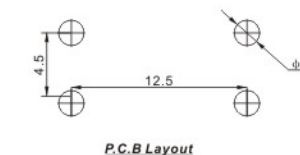
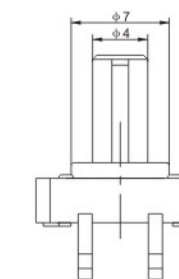
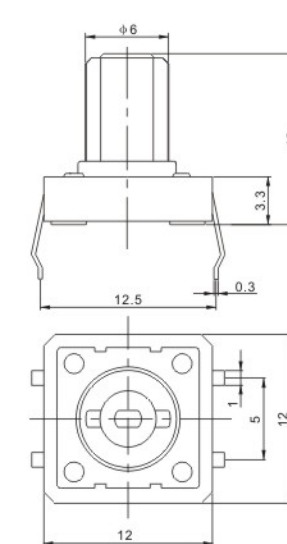
CIRCUIT



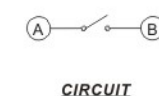
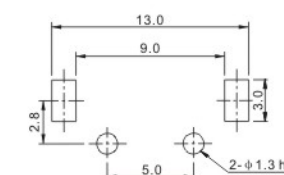
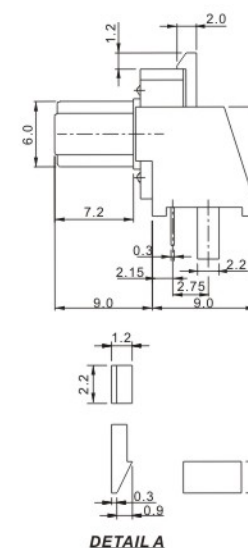
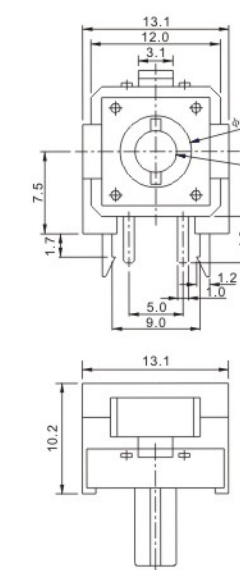
Model.No.		AL	L	AA	BB	B	K	G
L(mm)	4.3	4.5	5.0	6.0	7.0	7.5	8.0	8.5
Model.No.	H	F	Q	R	D	I	M	N
L(mm)	9.0	9.5	10.0	11.0	12.0	13.0	15.0	17.0

TACT SWITCH SERIES

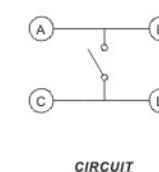
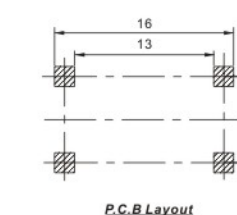
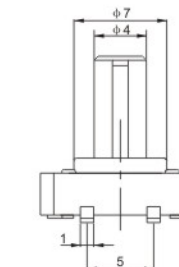
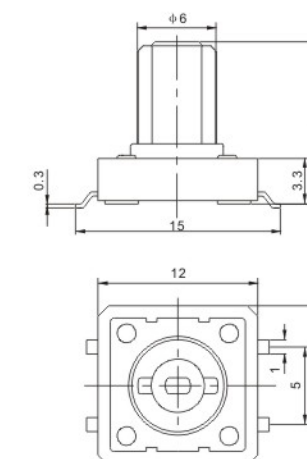
BTS-1103A



BTS-1103VA

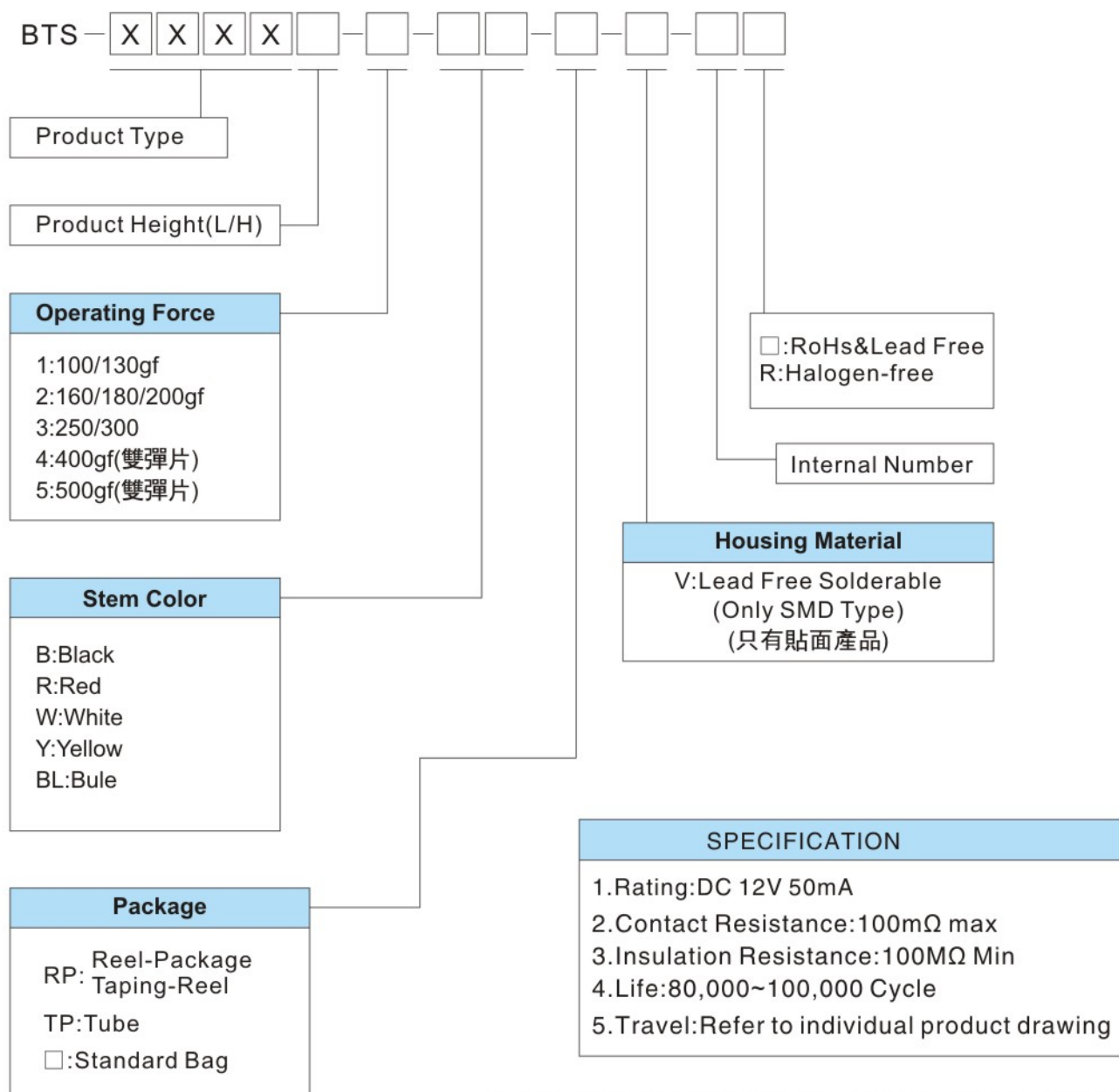


BTS-1103NSA



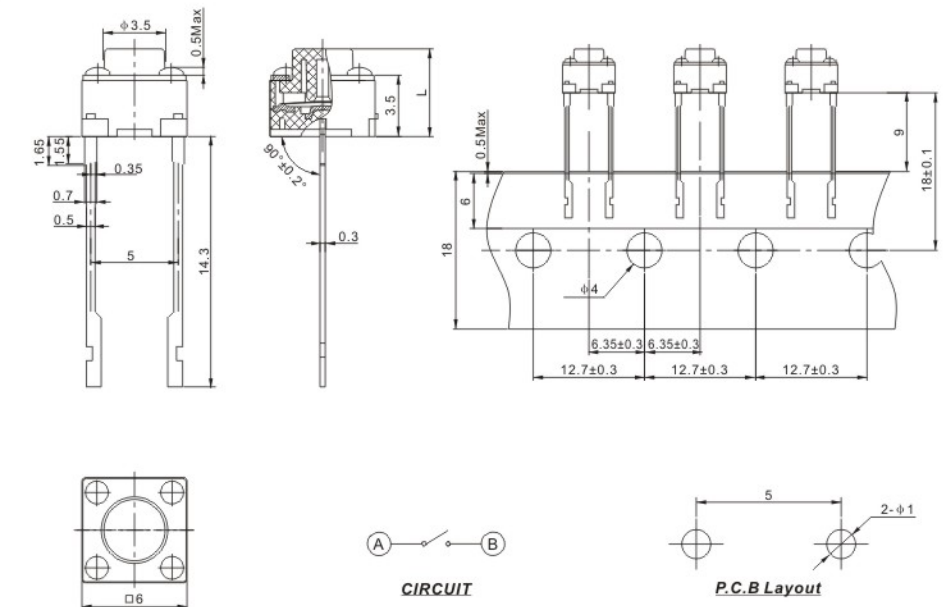
TACT SWITCH 輕觸開關

料號編碼原則



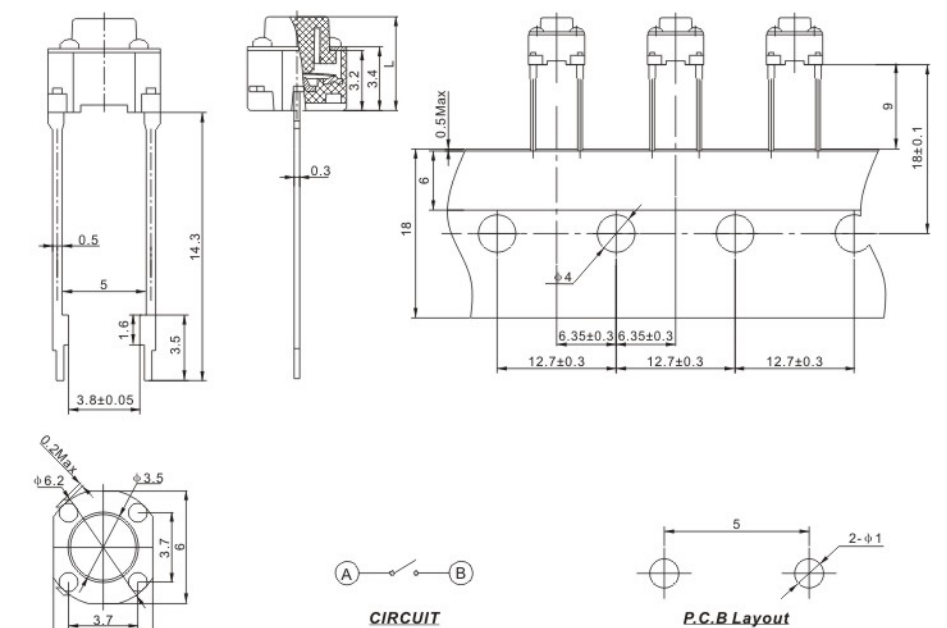
注：以產品圖紙為準 INDIVIDUAL PRODUCT DRAWING TO BENCHMARK

BTS-1104(L)



Model.No.	A	B	C	D
L(mm)	4.3	5.0	7.0	8.0

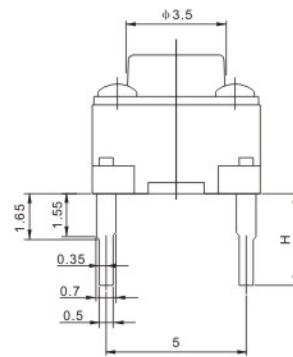
BTS-R1104(L)



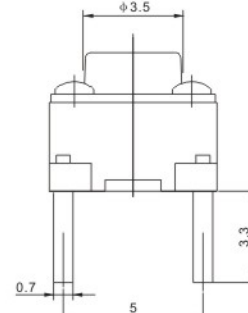
Model.No.	A	B	D
L(mm)	4.3	5.0	7.0

TACT SWITCH SERIES

BTS-S1104(L)

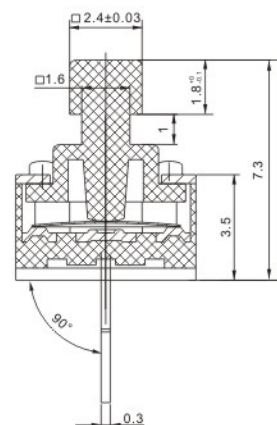
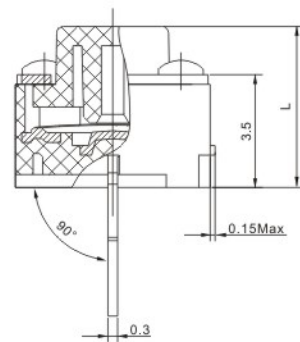


BTS-S1104(L)

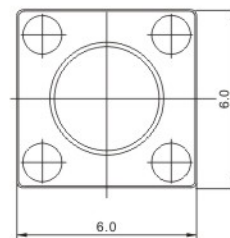
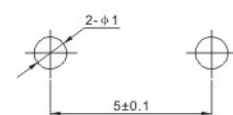


BTS-S1104(L)2

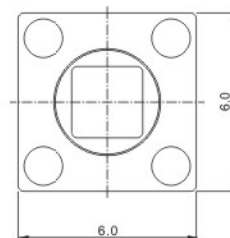
BTS-S1104T



P.C.B Layout



BTS-S1104(L)



BTS-S1104T

CIRCUIT

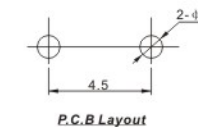
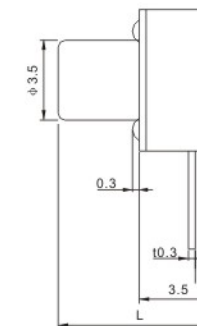
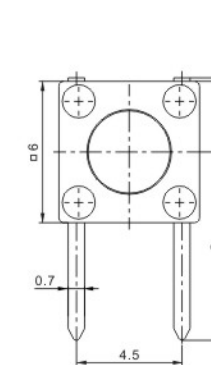


Model.No.		A	AA	B	N	C	R	D
L(mm)	4.3	5.0	6.0	7.0	7.5	8.0	9.0	9.5

Model.No.	S1104(L)	S1104(L)1	S1104(L)2	S1104(L)3	S1104(L)4
H(mm)	3.3	4.65	3.3全直腳	4.0	2.2

TACT SWITCH SERIES

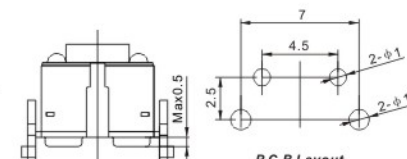
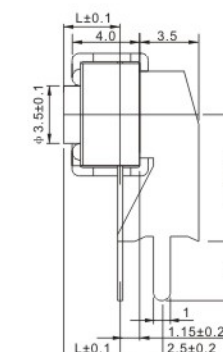
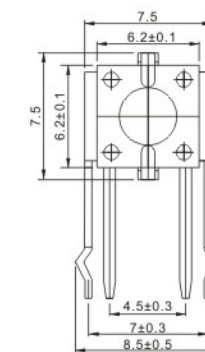
BTS-L1104(L)



CIRCUIT

Model.No.	A	AA	B
L(mm)	4.3	5.0	6.0
	7.0		

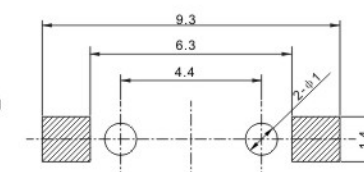
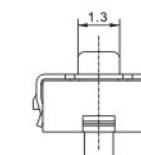
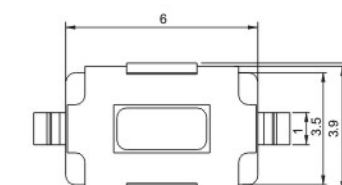
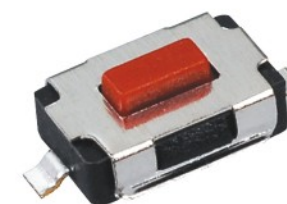
BTS-1104V(L)



CIRCUIT

Model.No.	A	AL	AA	B	C	R	D	X	L
L(mm)	3.15	3.85	4.35	4.85	5.85	6.85	7.85	8.35	8.85
									9.85

BTS-1107



P.C.B Layout

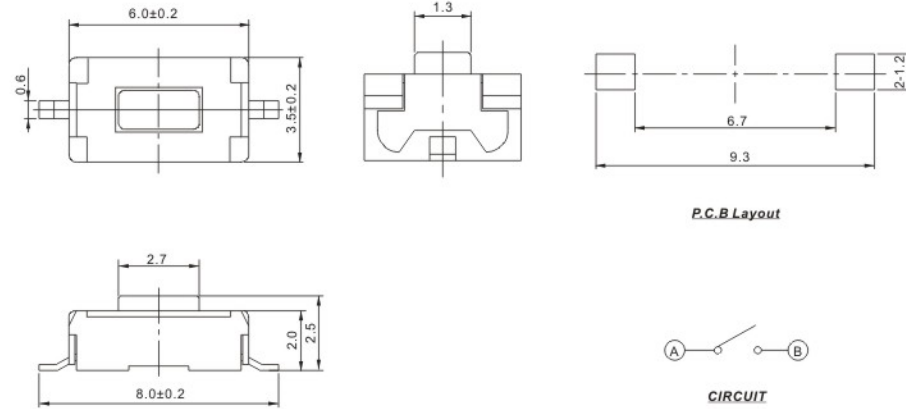


CIRCUIT

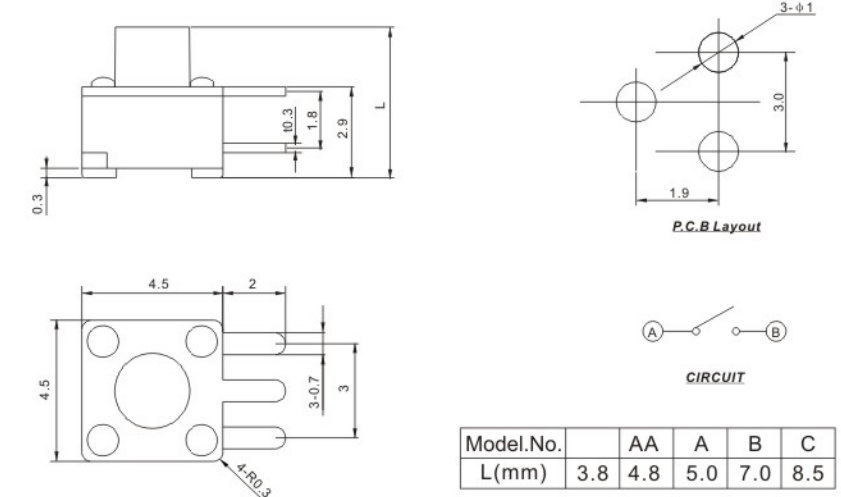
Model	TYPE
BTS-1107P	With Embossing
BTS-1107	Without Embossing

TACT SWITCH SERIES

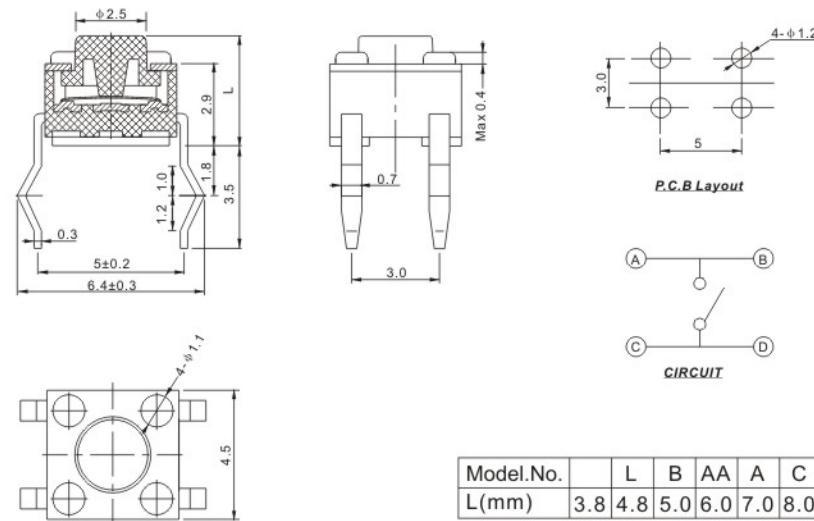
BTS-1107M



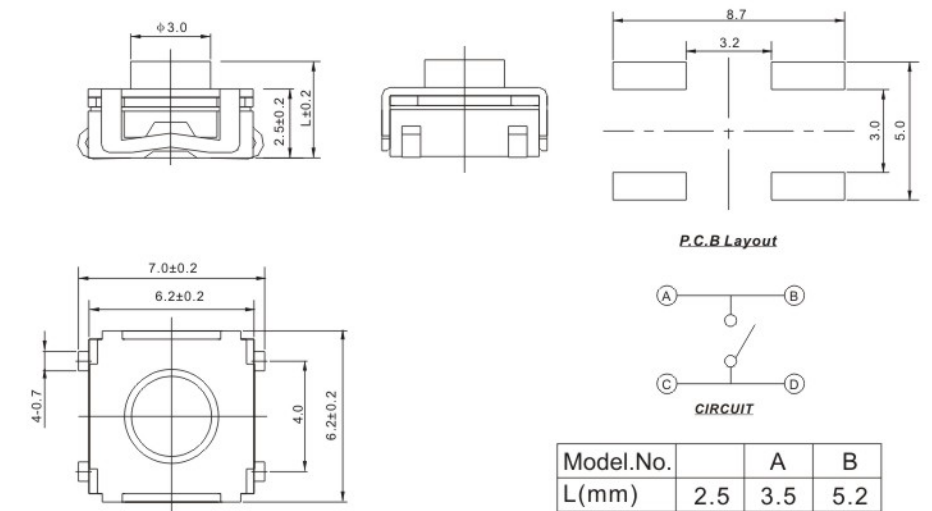
BTS-1109RT(L)



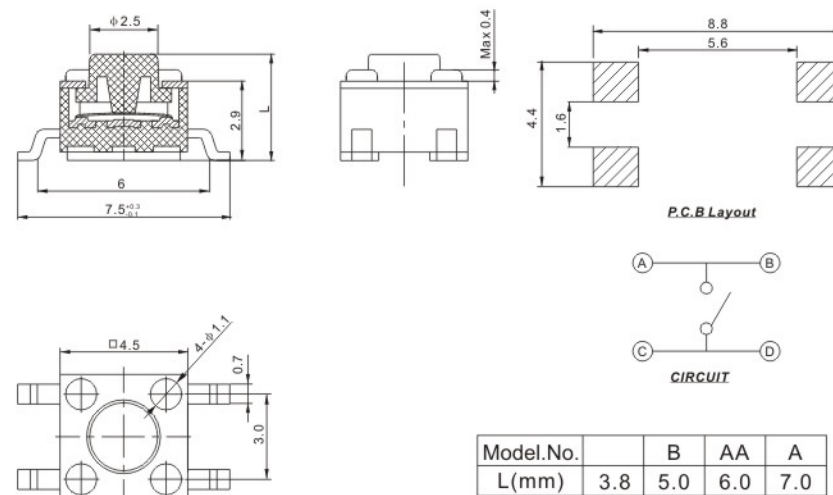
BTS-1109(L)



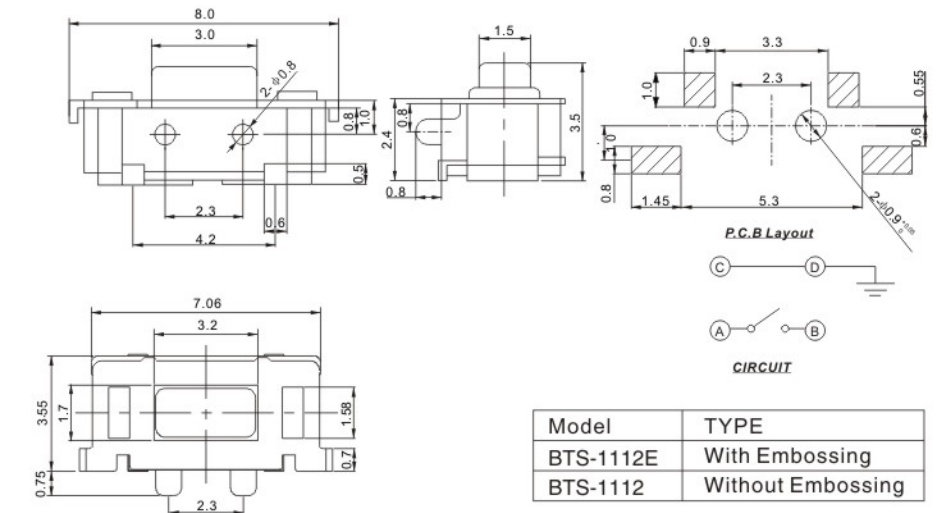
BTS-1110U(L)



BTS-1109S(L)

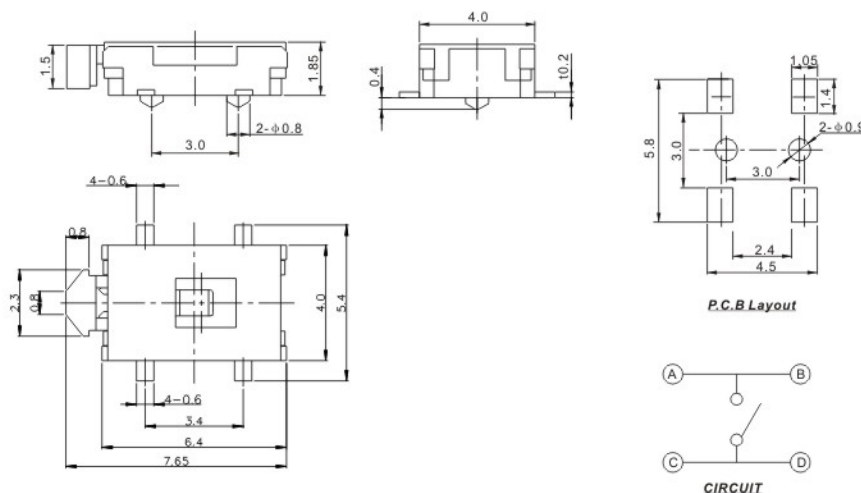


BTS-1112

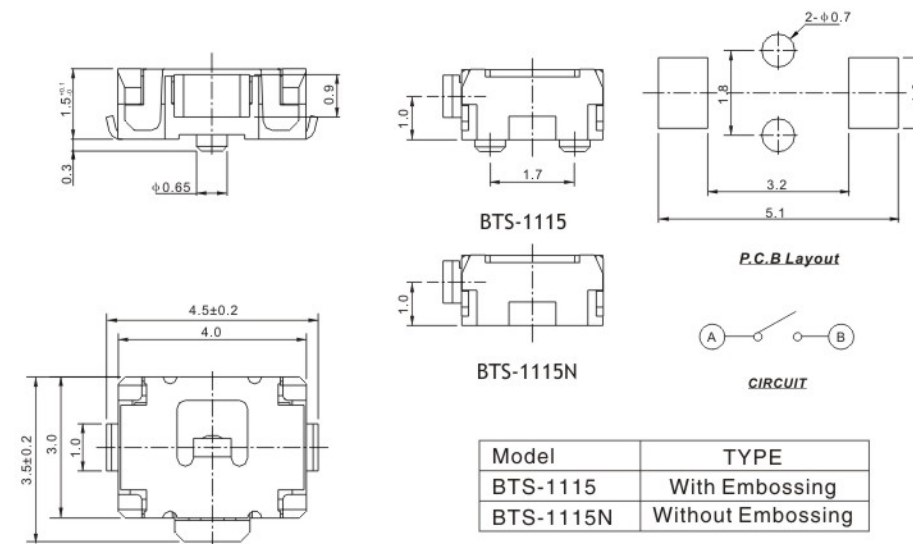


TACT SWITCH SERIES

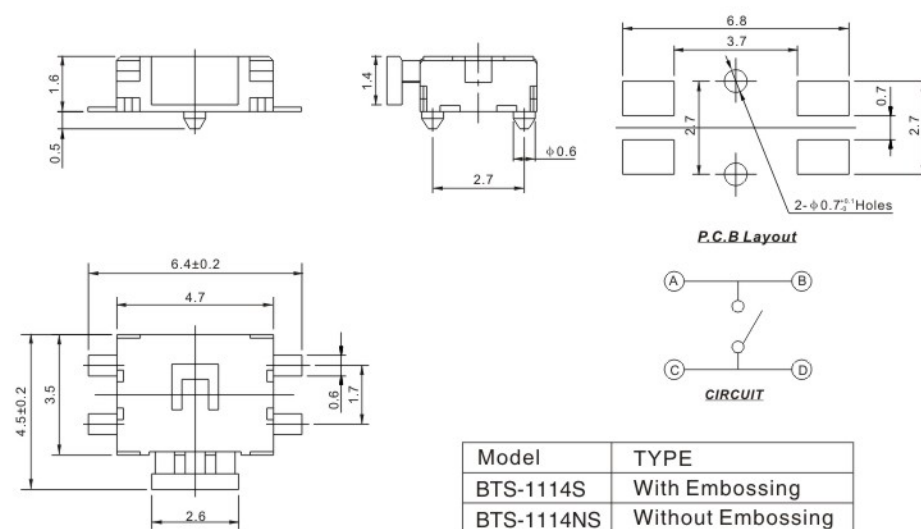
BTS-1113A



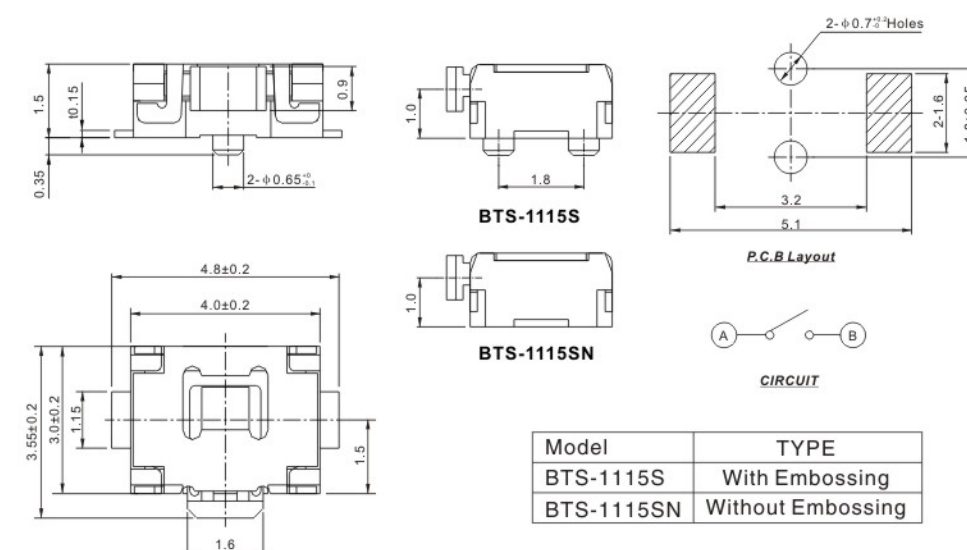
BTS-1115



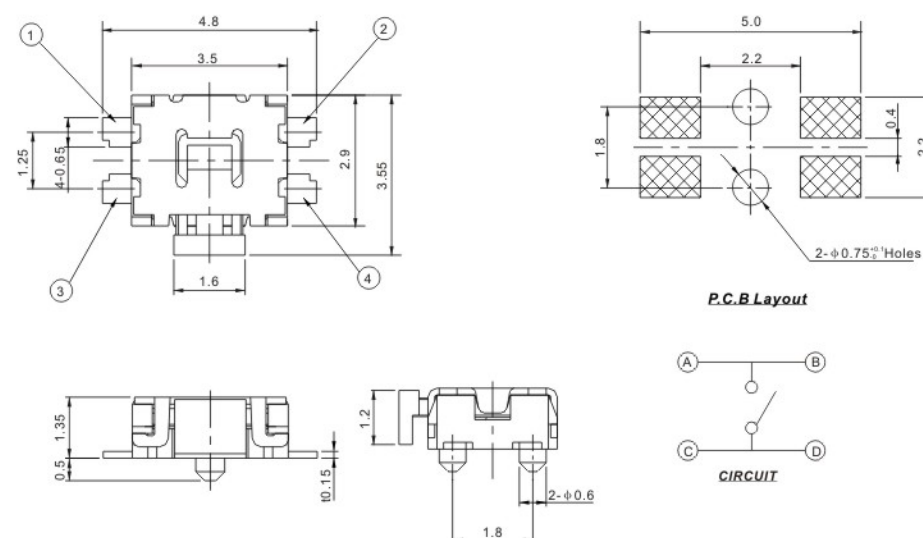
BTS-1114S



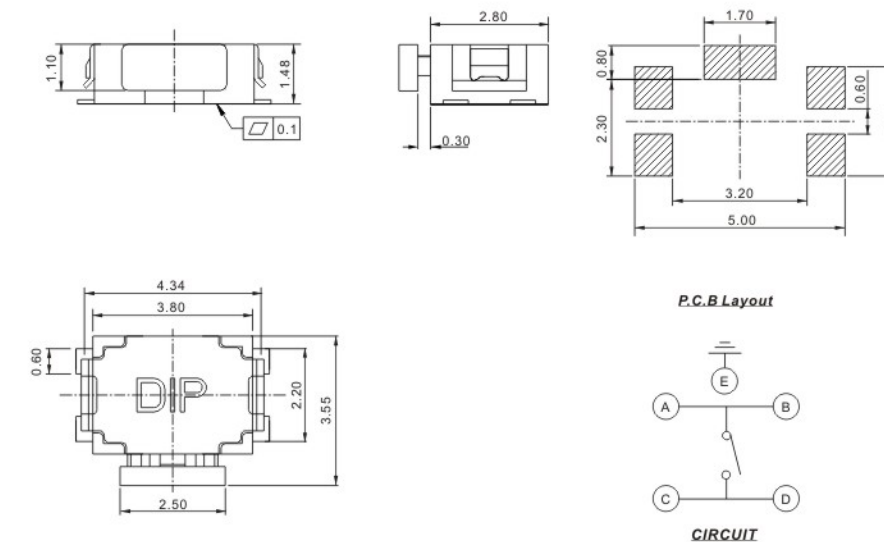
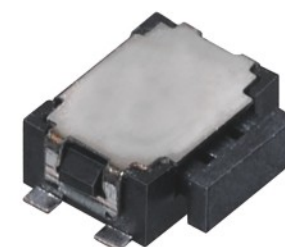
BTS-1115S



BTS-S1114S

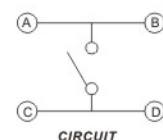
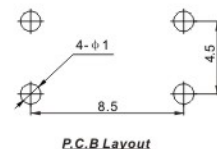
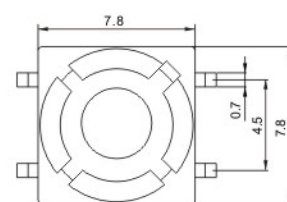
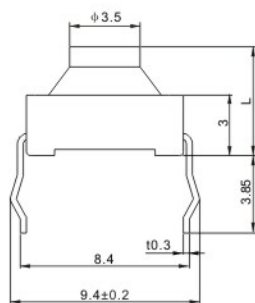


BTS-1116



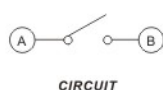
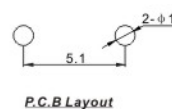
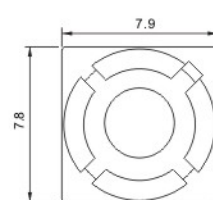
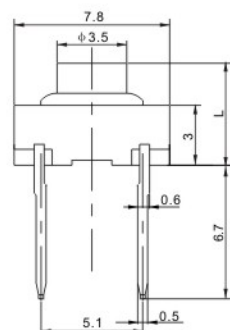
TACT SWITCH SERIES

BTS-1117



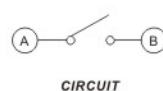
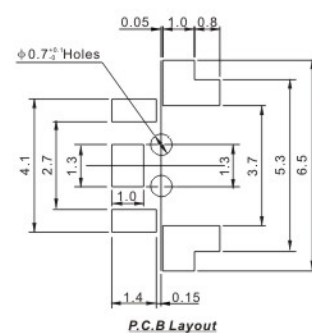
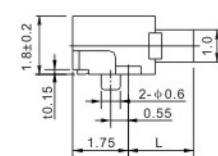
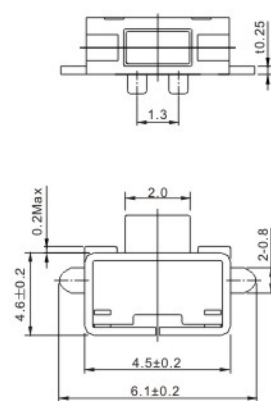
Model	A
L(mm)	5.0 5.5

BTS-1117SL



Model	A
L(mm)	5.0 5.5

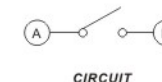
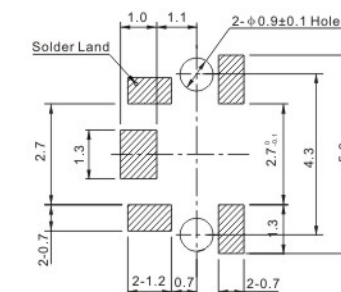
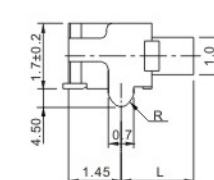
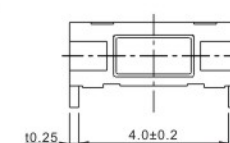
BTS-1121U(L)



Model.No.	A
L(mm)	1.35 2.05

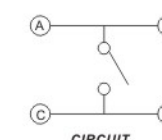
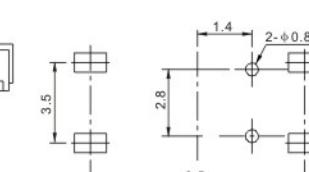
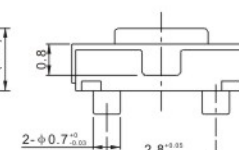
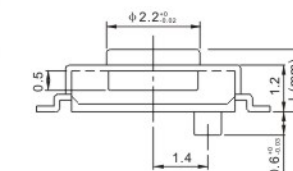
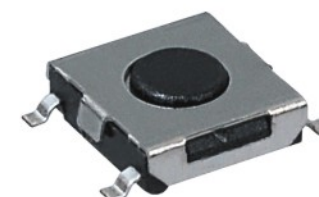
TACT SWITCH SERIES

BTS-1121E(L)



Model.No.	A
L(mm)	1.35 2.05

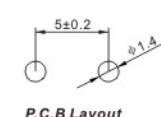
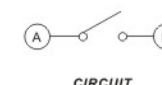
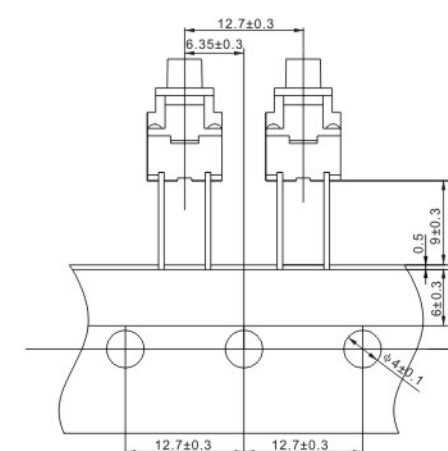
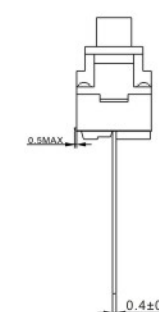
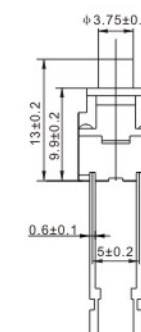
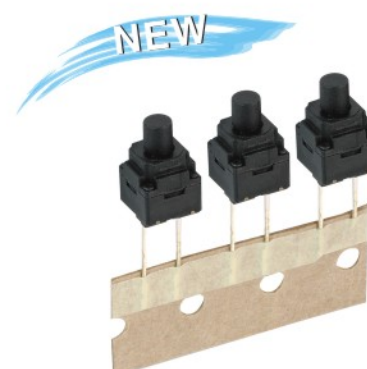
BTS-1127(L)



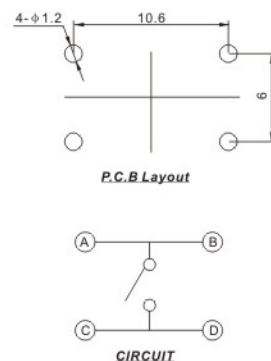
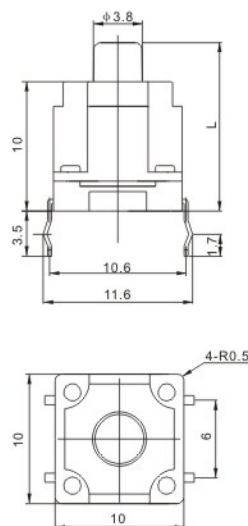
Model.No.	A
L(mm)	1.5 4.3

Model	TYPE
BTS-1127	With Embossing
BTS-1127N	Without Embossing

BTS-1137

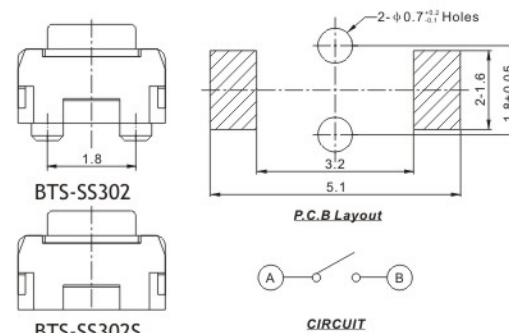
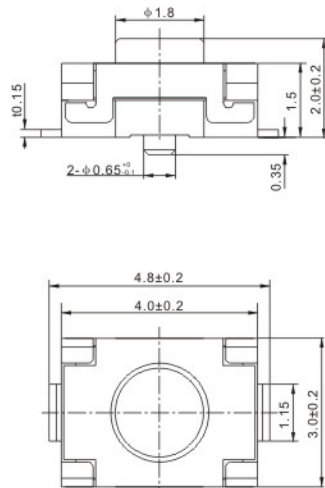


BTS-1147(L)



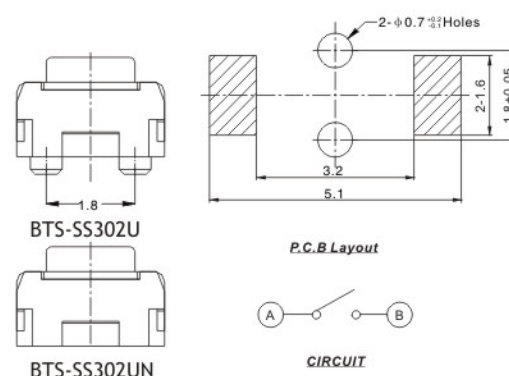
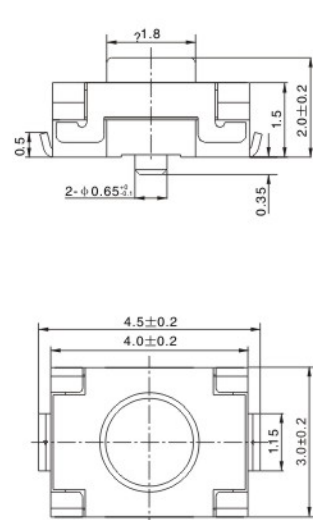
Model.No.	A	B	C
L(mm)	13	17	22.75
Stem Color	B/R	B/R	B/BL
			B

BTS-SS302S



Model	TYPE
BTS-SS302	With Embossing
BTS-SS302S	Without Embossing

BTS-SS302U



Model	TYPE
BTS-SS302U	With Embossing
BTS-SS302UN	Without Embossing

TACT SWITCH 輕觸開關

料號編碼原則

BTS-115X- - - - -

Product Type

Product Height(L/H)

Operating Force

1:100/130gf
2:160/180/200gf
3:250/300
4:400gf(雙彈片)
5:500gf(雙彈片)

Stem Color

B:Black
R:Red
W:White 注:(手柄颜色)

Package

RP: Reel-Package
Taping-Reel
TP:Tube
□:Standard Bag

□:RoHs&Lead Free
R:Halogen-free

Internal Number

Housing Material

V:Lead Free Solderable
(Only SMD Type)
(只有貼面產品)

BTS-1157 Series大略說明
BTS-1157D=4Pin 有定位柱
BTS-1157ND=4Pin 無定位柱
BTS-1157N=5Pin 無定位柱

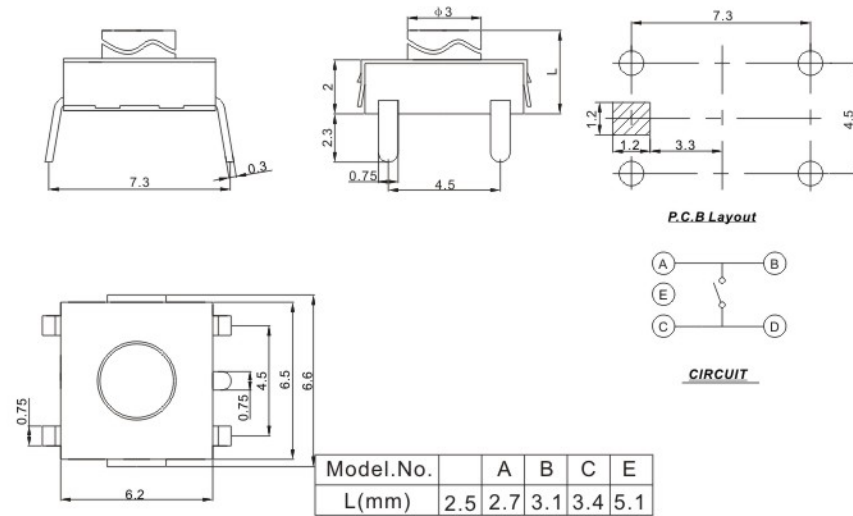
SPECIFICATION

- 1.Rating:DC 12V 50mA
- 2.Contact Resistance:100mΩ max
- 3.Insulation Resistance:100MΩ Min
- 4.Life:60,000~100,000 Cycle
- 5.Travel:Refer to individual product drawing

注:以產品圖紙為準 INDIVIDUAL PRODUCT DRAWING TO BENCHMARK

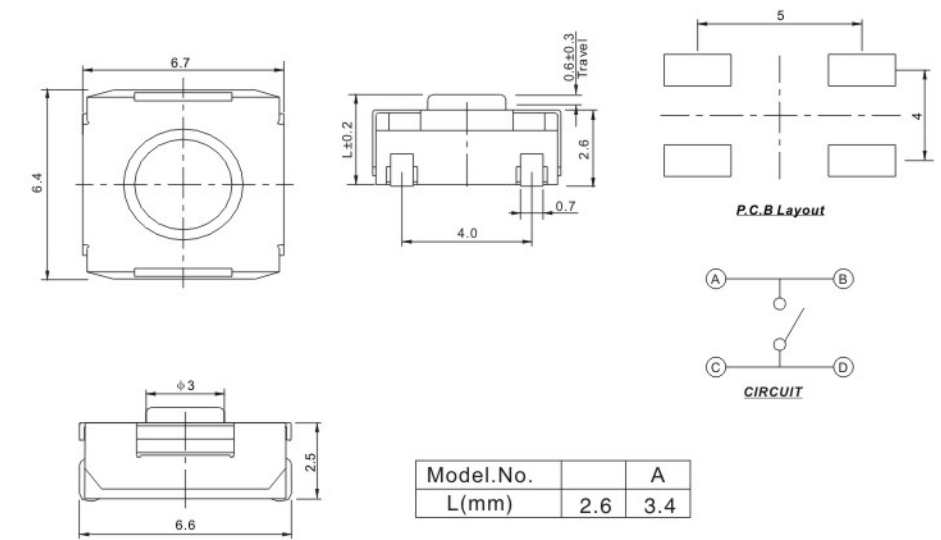
TACT SWITCH SERIES

BTS-1156N

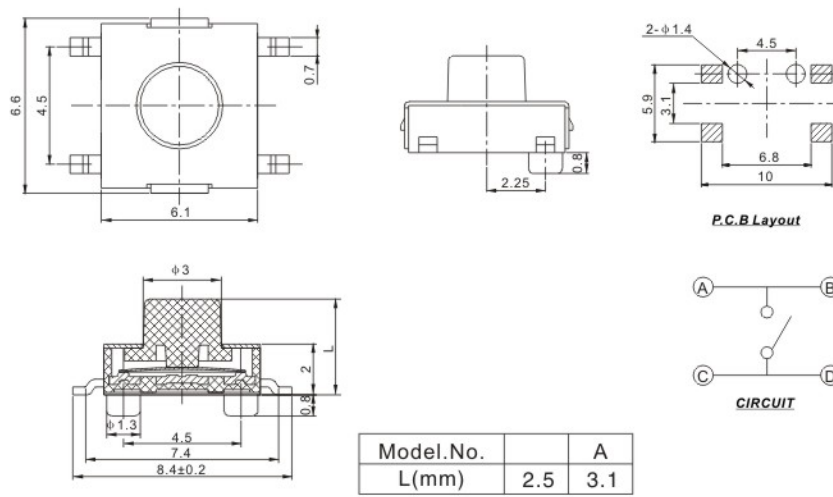


TACT SWITCH SERIES

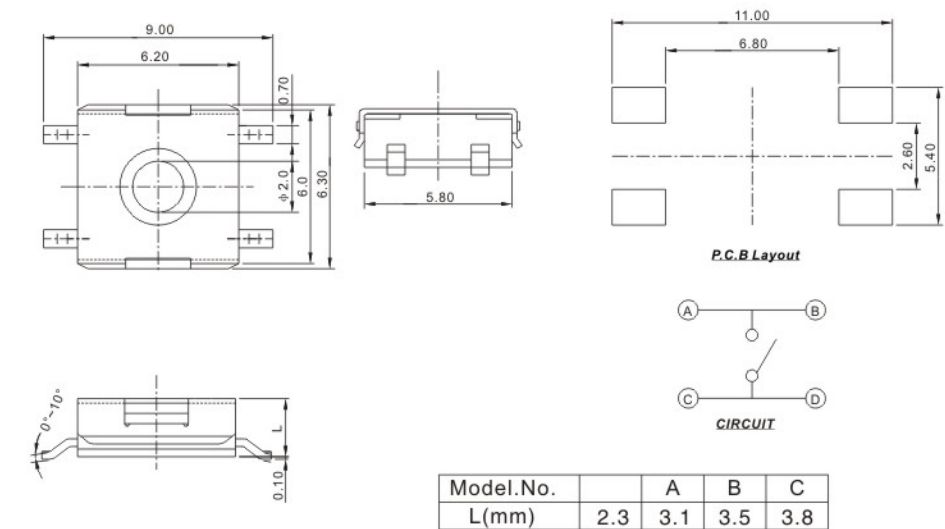
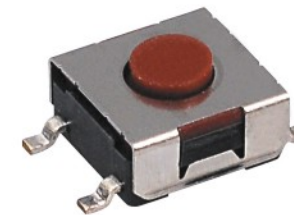
BTS-1157NDJ(L)



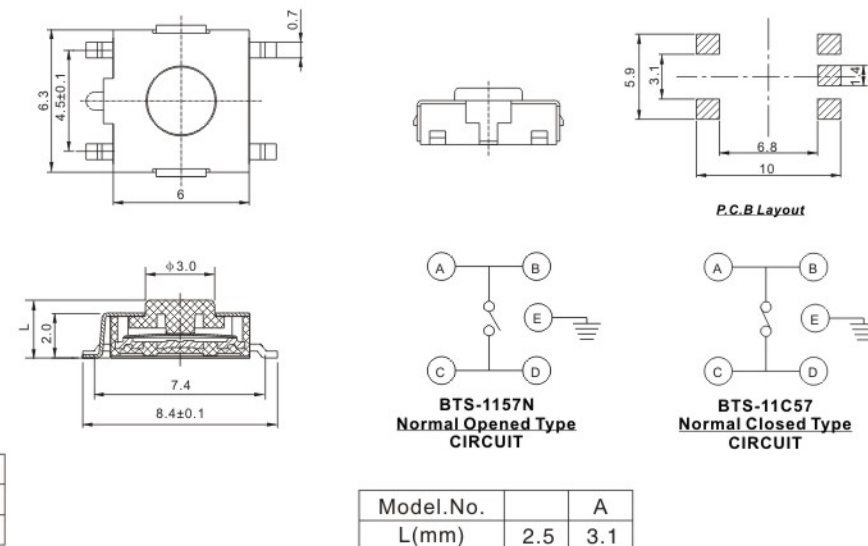
BTS-1157D(L) (4Pin)



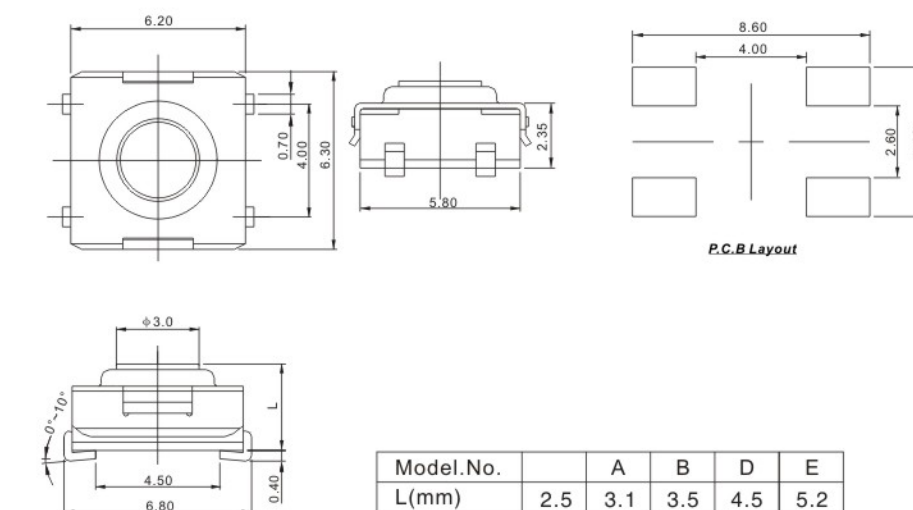
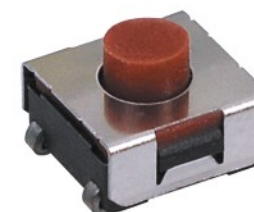
BTS-1158ND(L)



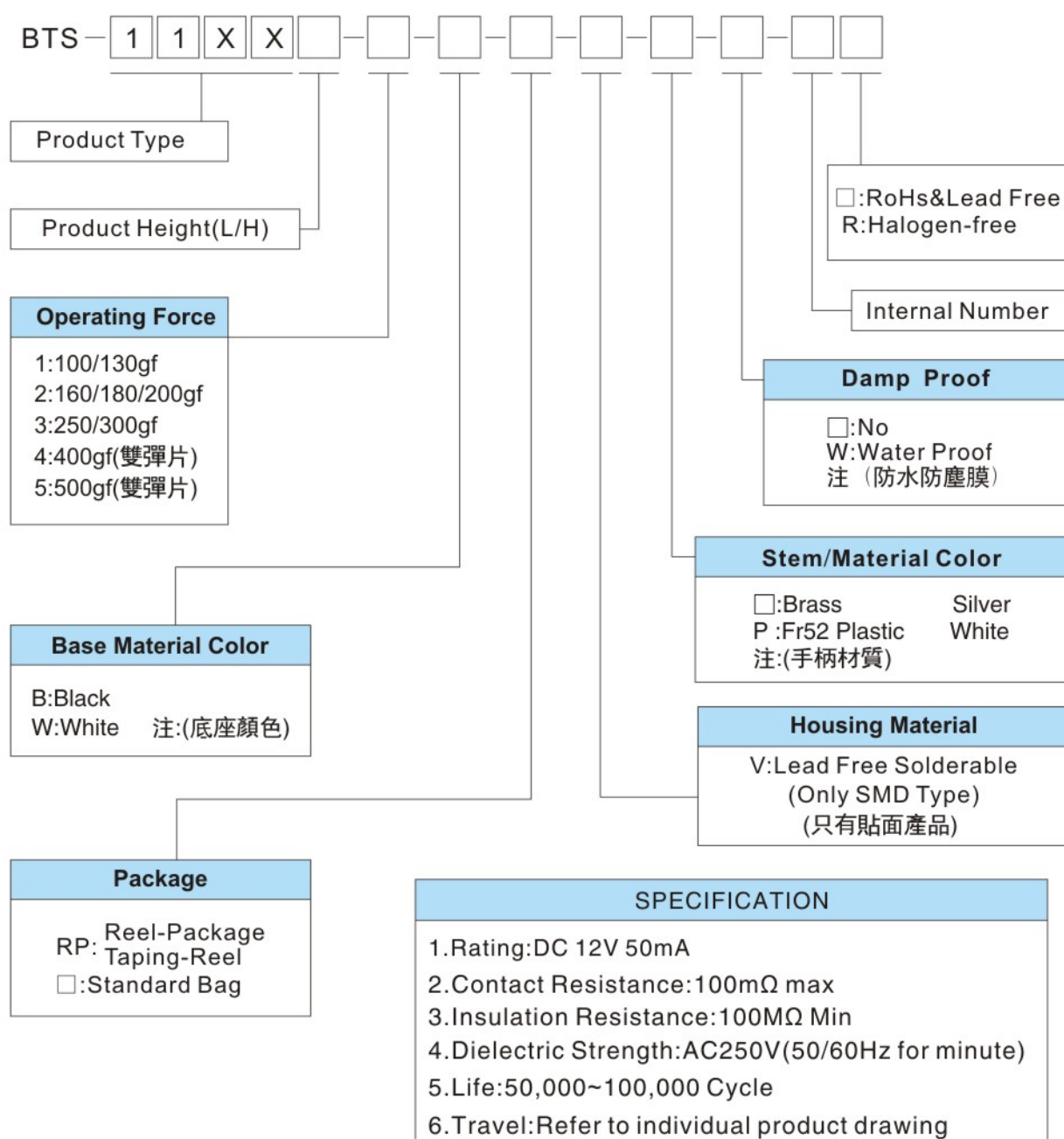
BTS-1157N(L) (5Pin)



BTS-1159NJ(L)



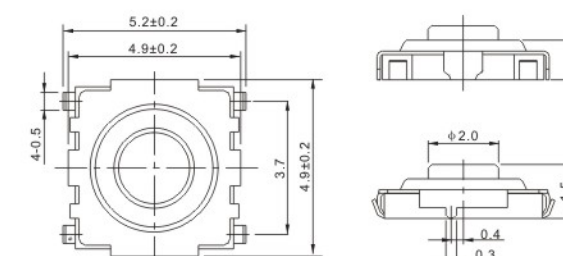
TACT SWITCH 輕觸開關



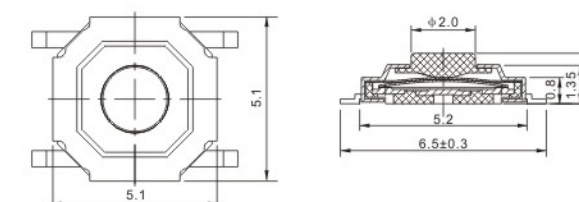
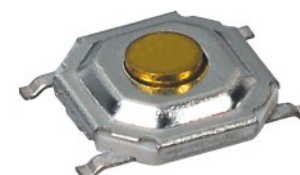
注：以產品圖紙為準 INDIVIDUAL PRODUCT DRAWING TO BENCHMARK

TACT SWITCH SERIES

BTS-1186

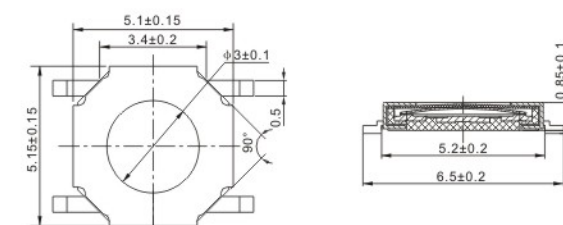
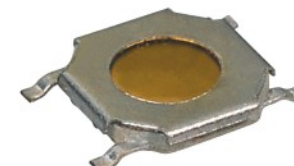


BTS-1187(L)

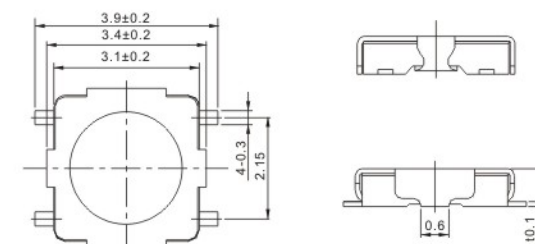


Model.No.		A	B	C
L(mm)	1.65	4.3	3.3	2.0

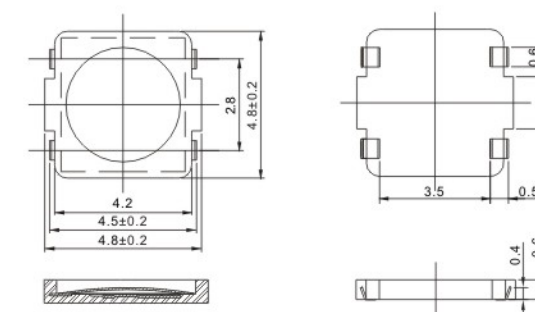
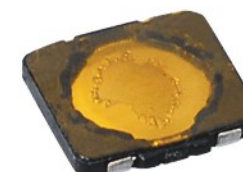
BTS-1187M



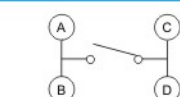
BTS-1188M



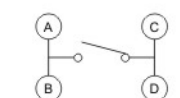
BTS-1197A



CIRCUIT

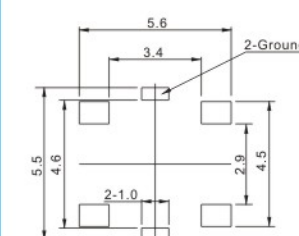


1187 1187M 1197A

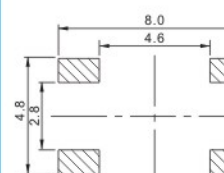


1186 1188M

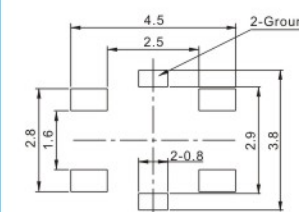
P.C.B Layout



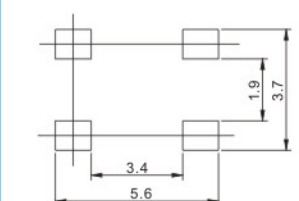
1186



1187 1187M



1188M



1197A

WATER PROOF TACT SWITCH

防水輕觸開關料號編碼原則

BTS-W-X-X-X-X- - - - -

Product Type

Product Height(L/H)

Operating Force

- 1:100/130gf
- 2:160/180/200gf
- 3:250/300gf
- 4:400gf(雙彈片)
- 5:500gf(雙彈片)

□:RoHS&Lead Free
R:Halogen-free

Internal Number

Stem Color

B:Black E:Gray
R:Red G:Green
W:White BR:Brown
Y:Yellow S:Silver
BL:Bule

Housing Material

V:Lead Free Solderable
(Only SMD Type)
(只有貼面產品)

Package

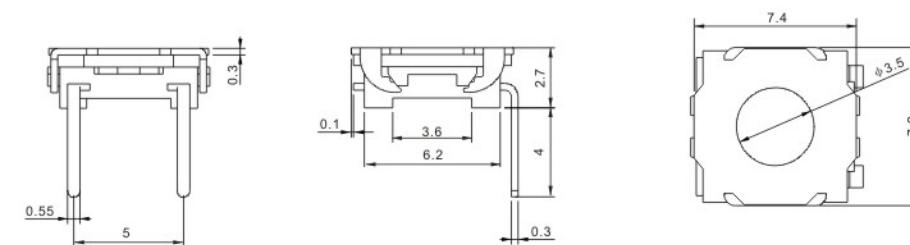
RP: Reel-Package
RP: Taping-Reel
□:Standard Bag

SPECIFICATION

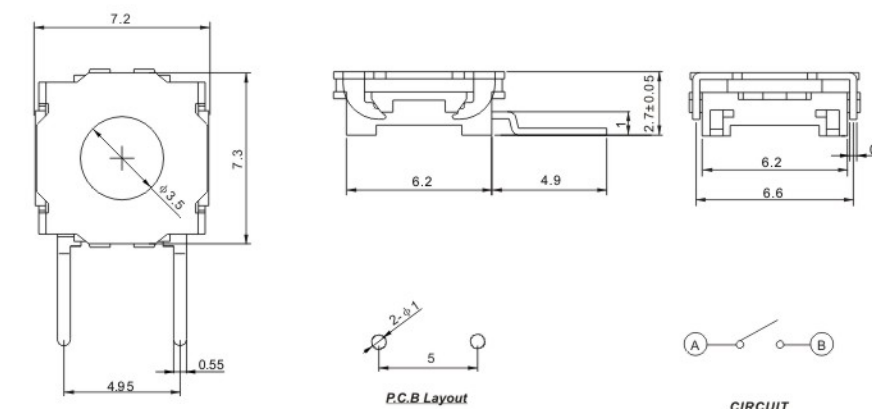
- 1.Rating:DC 12V 50mA or DC 12V 20mA
- 2.Contact Resistance:100mΩ max
- 3.Insulation Resistance:100MΩ Min
- 4.Life:50,000~100,000 Cycle
- 5.Travel:Refer to individual product drawing
- 6.Sealed:1P67

注：以產品圖紙為準 INDIVIDUAL PRODUCT DRAWING TO BENCHMARK

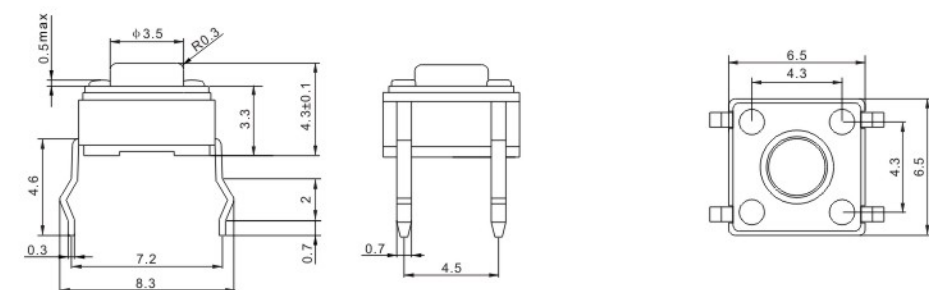
BTS-W1108L



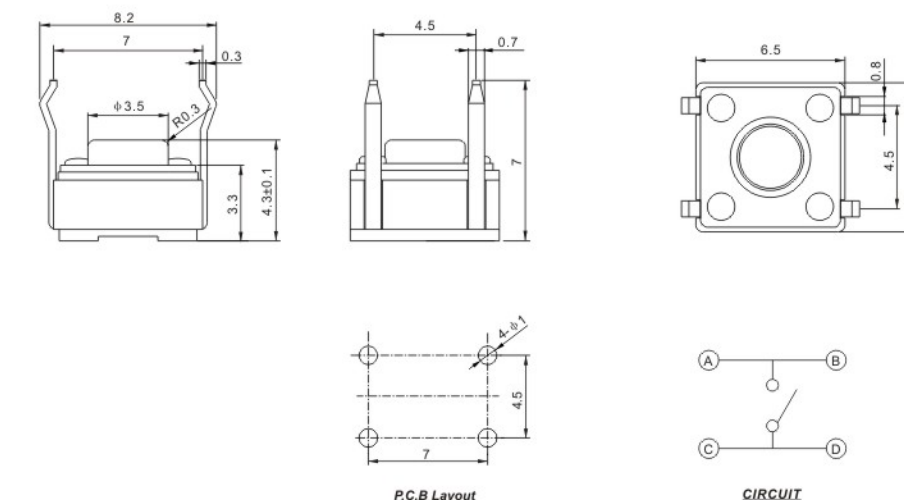
BTS-W1108LS



BTS-W1102R

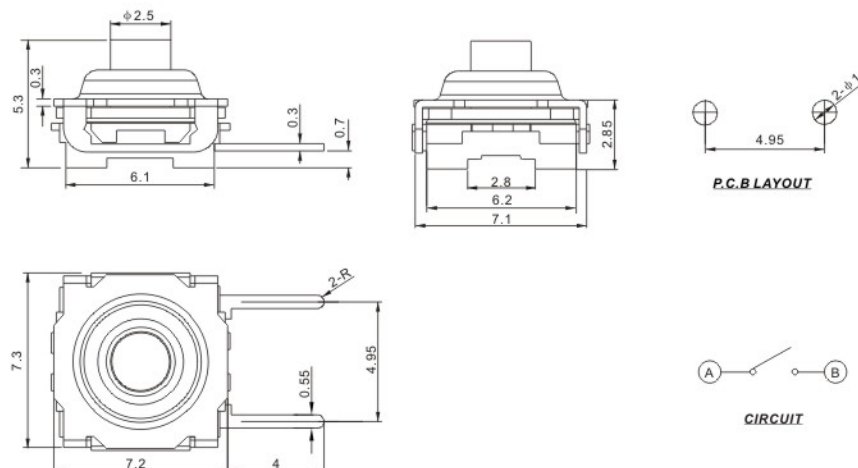


BTS-W1102RI

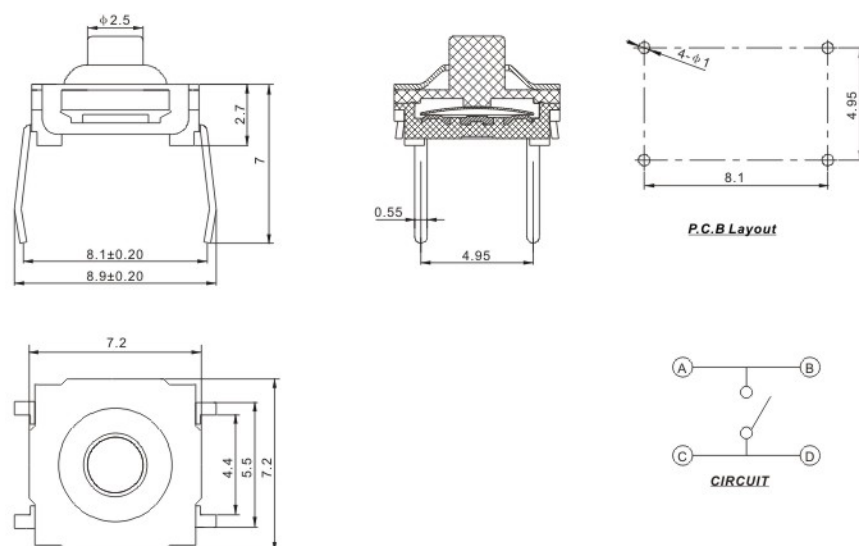


WATER PROOF TACT SWITCH SERIES

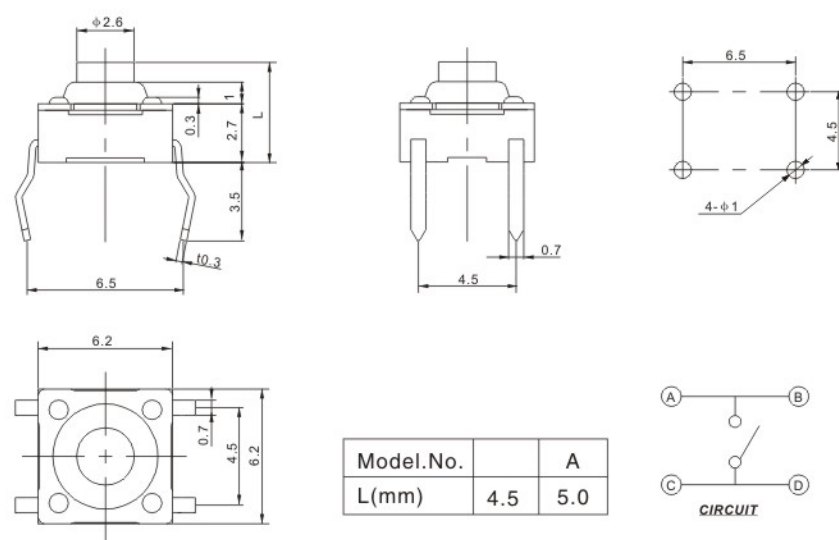
BTS-WL1108R



BTS-W1108R



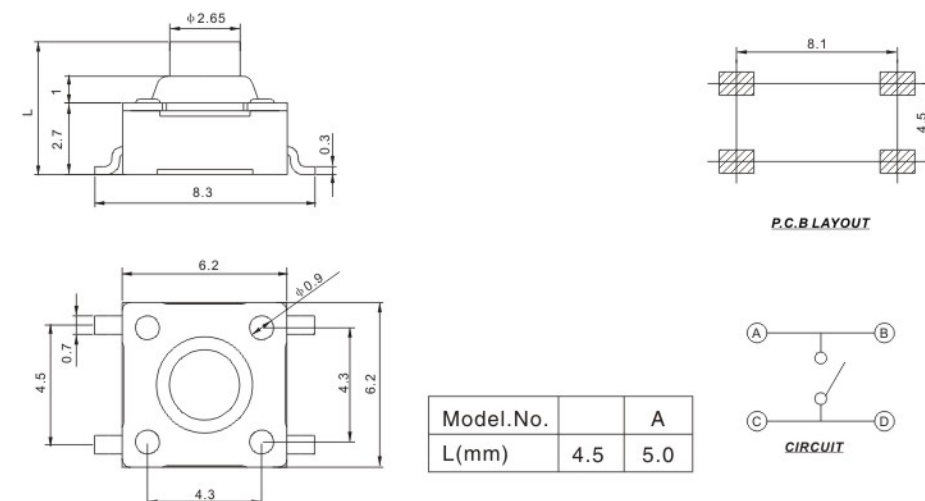
BTS-W1102(L)



Model.No.	A
L(mm)	4.5 5.0

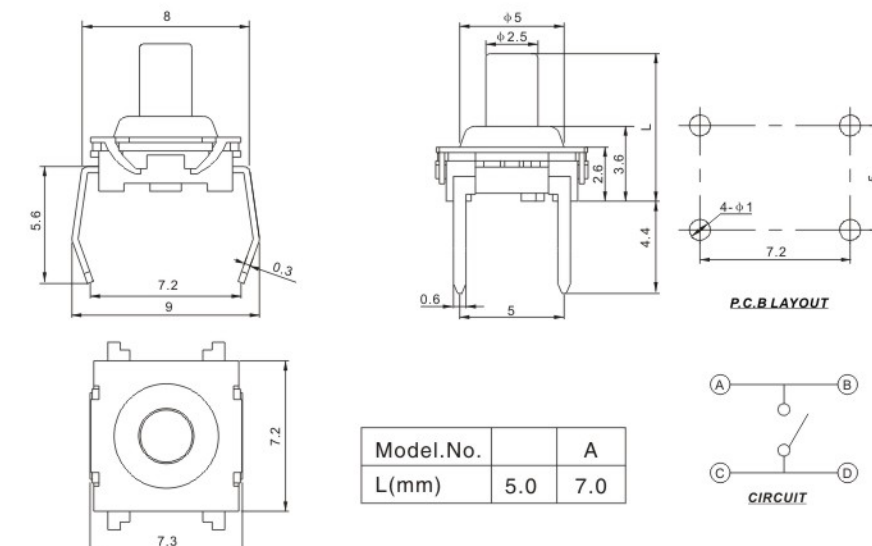
WATER PROOF TACT SWITCH SERIES

BTS-W1102S(L)



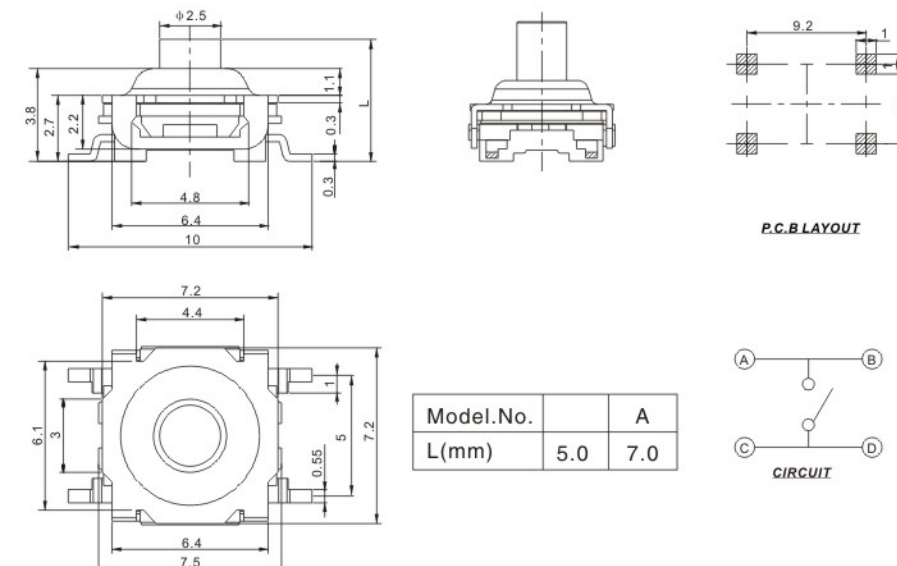
Model.No.	A
L(mm)	4.5 5.0

BTS-W1108(L)



Model.No.	A
L(mm)	5.0 7.0

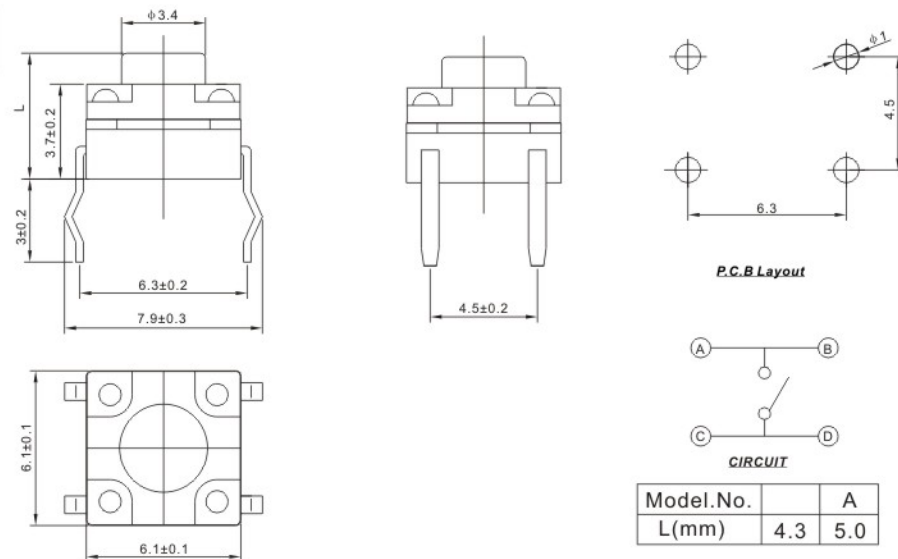
BTS-W1108S(L)



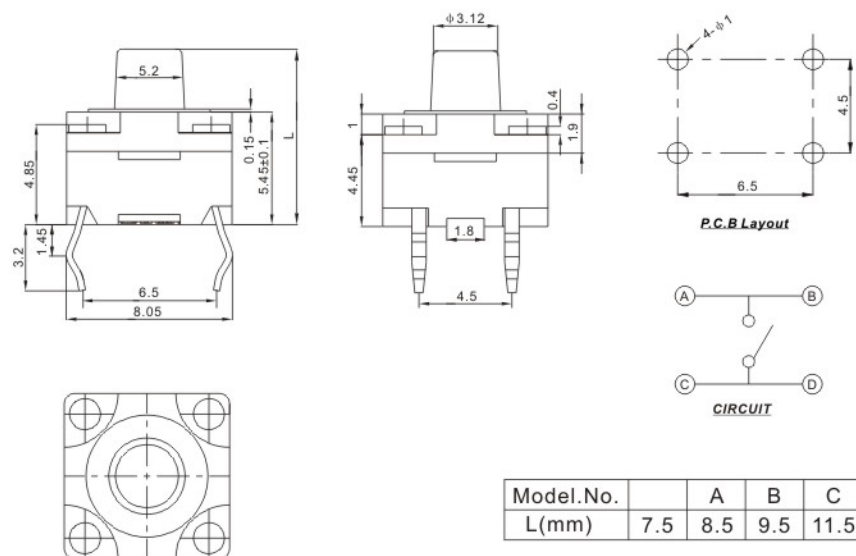
Model.No.	A
L(mm)	5.0 7.0

WATER PROOF TACT SWITCH SERIES

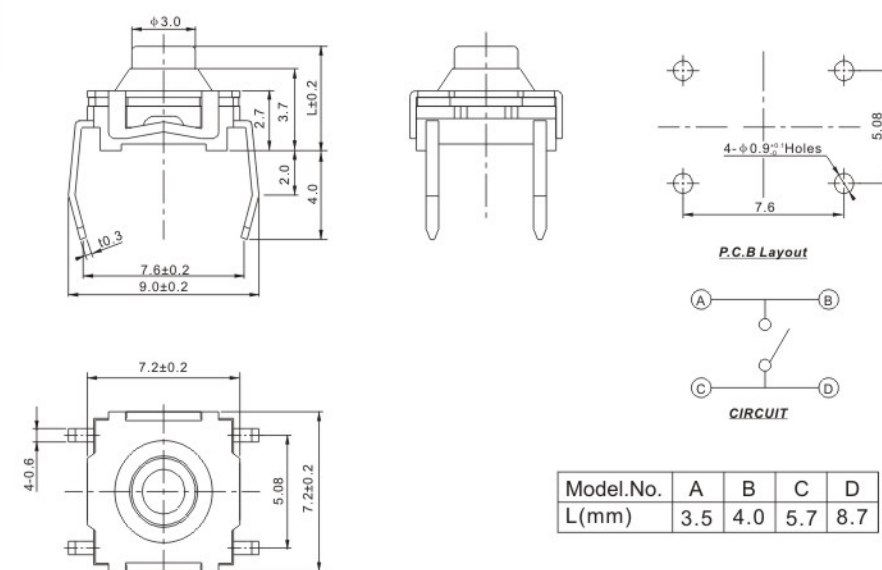
BTS-W1166(L)



BTS-W1188(L)

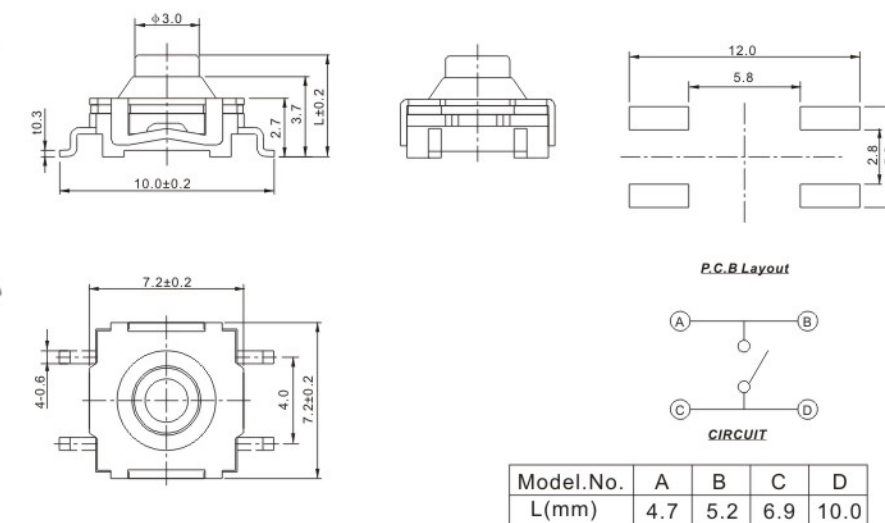


BTS-1110G(L)

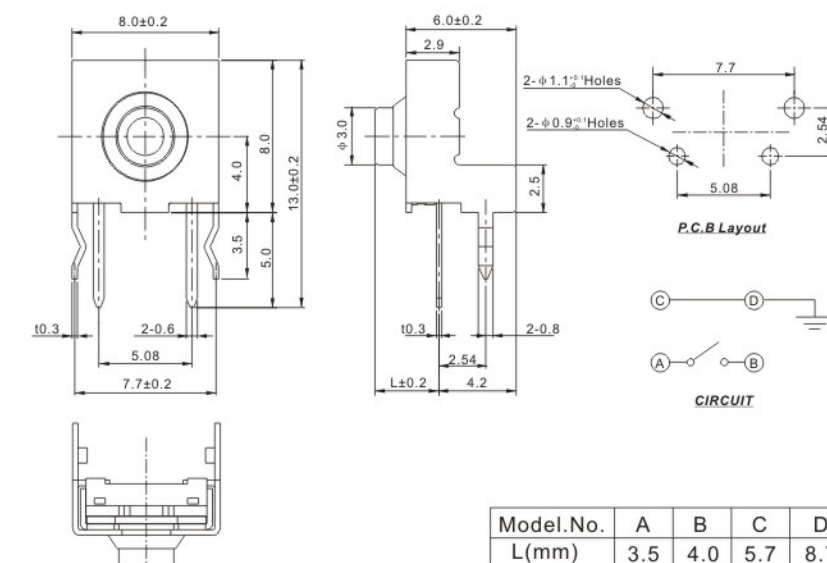


WATER PROOF TACT SWITCH SERIES

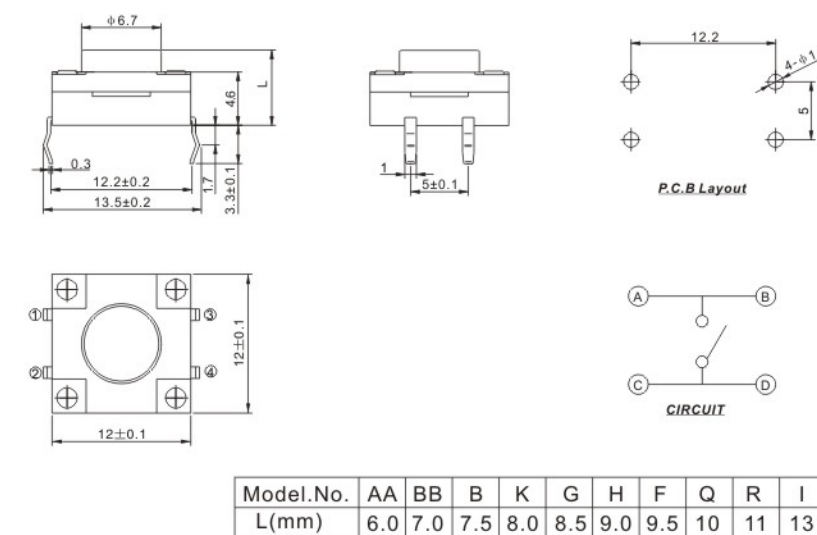
BTS-1110GS(L)



BTS-1110GV(L)



BTS-W1103(L)



ILLUMINATED TACT SWITCH 帶燈輕觸開關

料號編碼原則

BTS-□□□□□□□□□□

Product Type

1118
1118RL
1119
6811
6811M
6811RL

Button Type

1118 Series	6811 Series
A	A
B	B
	C

Cover Type

	No Item
1	
2	
3	
4	
5	
6	
7	

Framed Type

N	No Item
S	
R	
P	
Q	

Internal Number

LED Color

R:Red
Y:Yellow
G:Green
W:White
BL:Blue
HG:Pure Green
RY:Red/Yellow
RG:Red/Green

Cap/Stem Color

B:Black
S:Silver
E:Gray
W:White

Operating Force

1:100/130gf
2:160/180/200gf
3:250/300/400gf

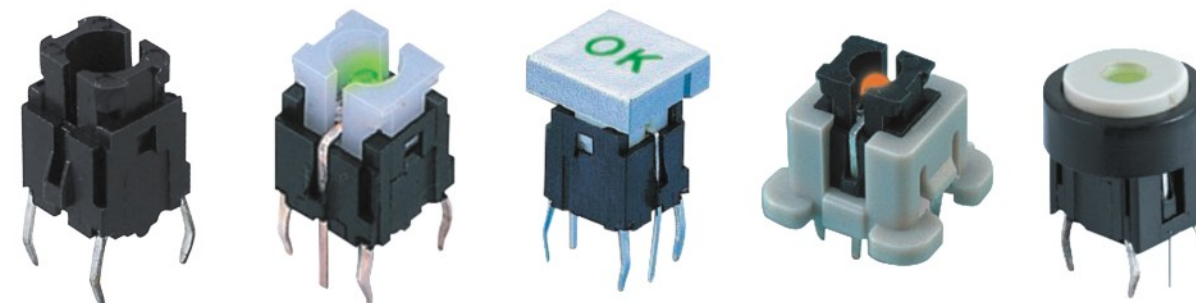
Stamp

A	
B	Reset
C	
D	OK
E	OK
F	
G	
H	
I	
J	
K	

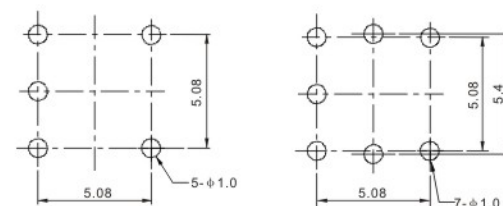
SPECIFICATION

- 1.Rating:DC 12V 50mA
- 2.Contact Resistance:100mΩ max
- 3.Insulation Resistance:100MΩ Min
- 4.Dielectric Strength:250VAC (50/60Hz for minute)
- 5.Life:50,000~100,000 Cycle
- 6.Travel:Refer to individual product drawing

注：以產品圖紙為準 INDIVIDUAL PRODUCT DRAWING TO BENCHMARK



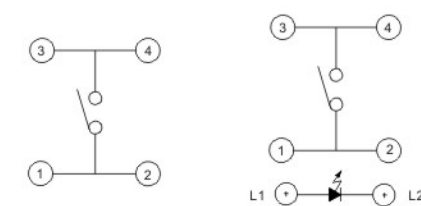
P.C.B Layout



Non-Illuminated

Illuminated

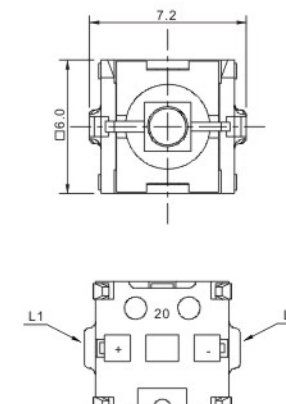
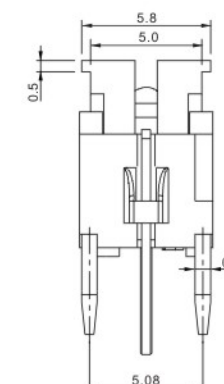
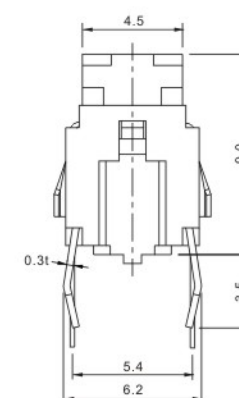
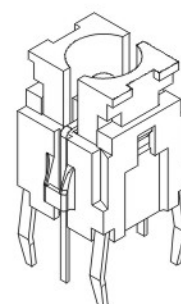
CIRCUIT



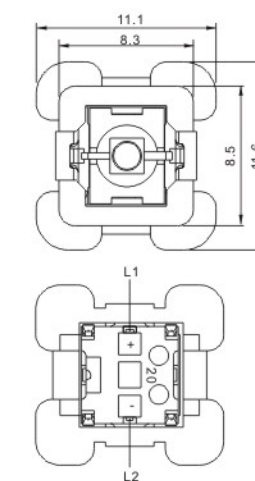
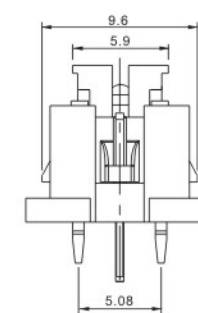
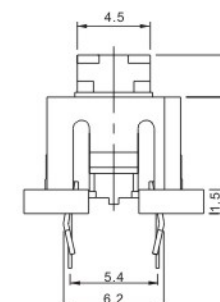
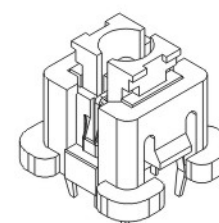
Non-Illuminated

Illuminated

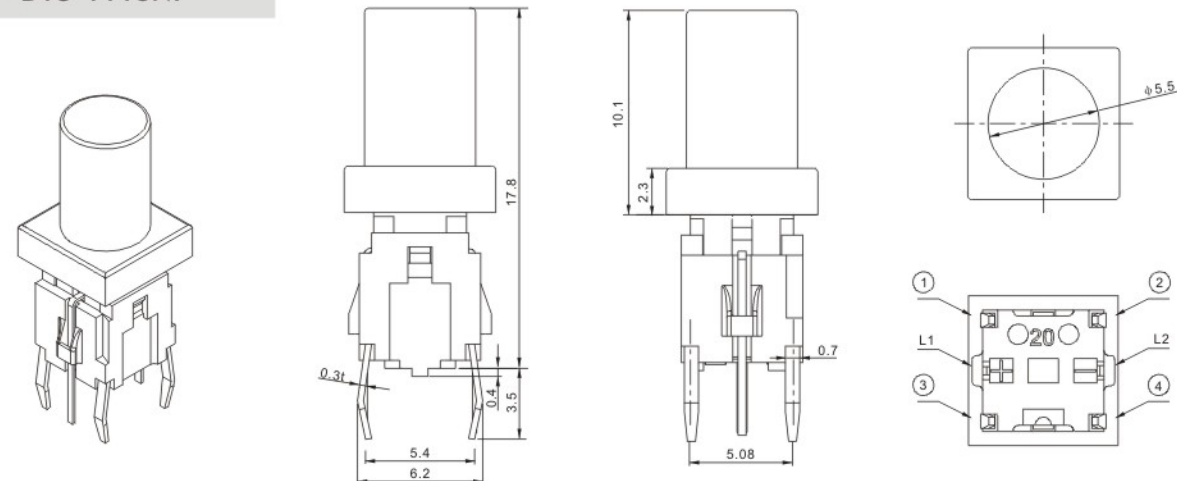
BTS-1118N



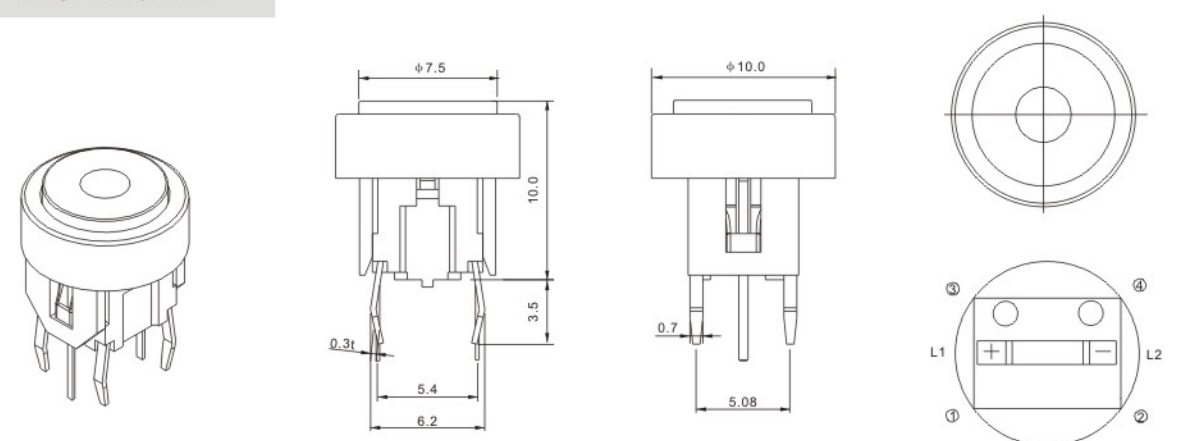
BTS-1118Q



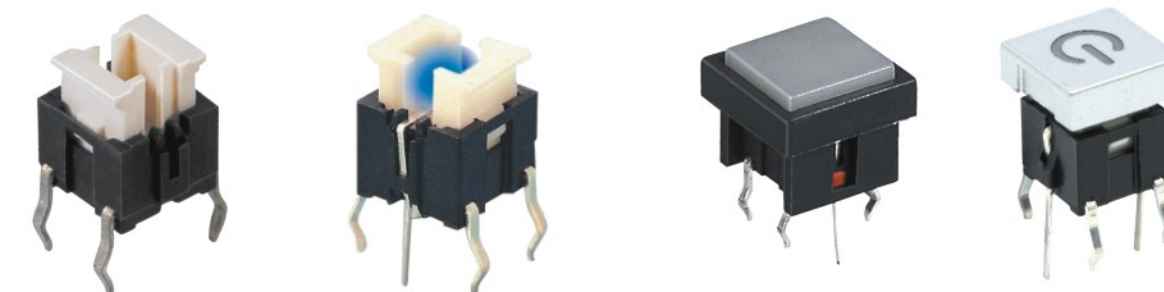
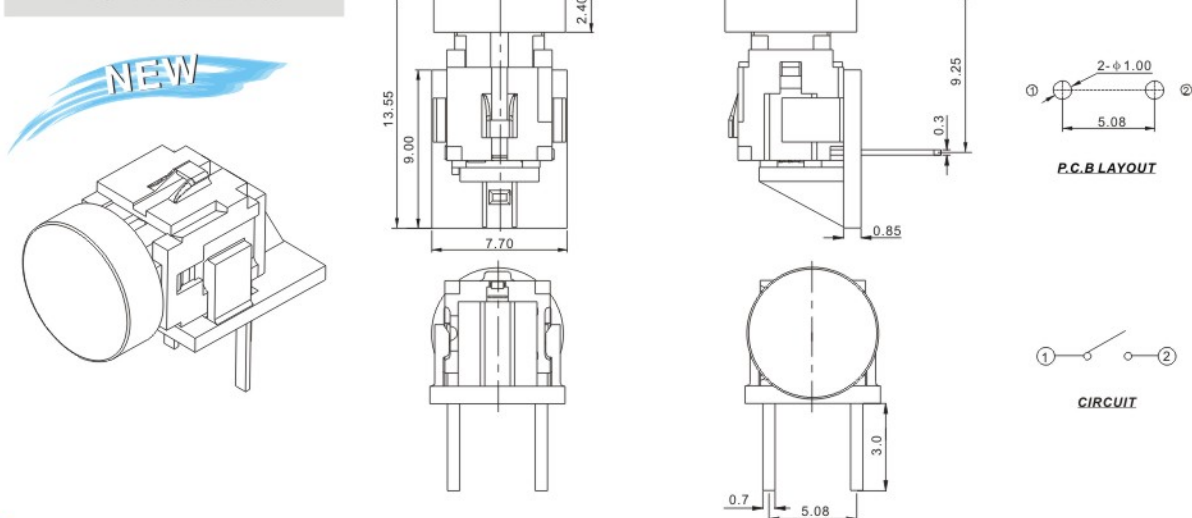
BTS-1118N7



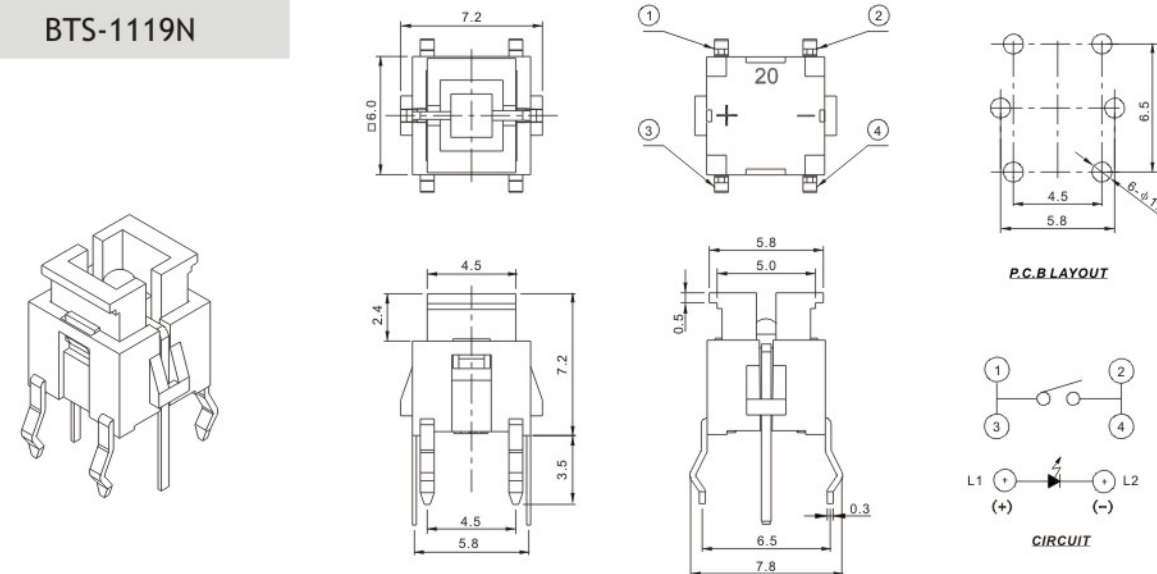
BTS-1118AR4



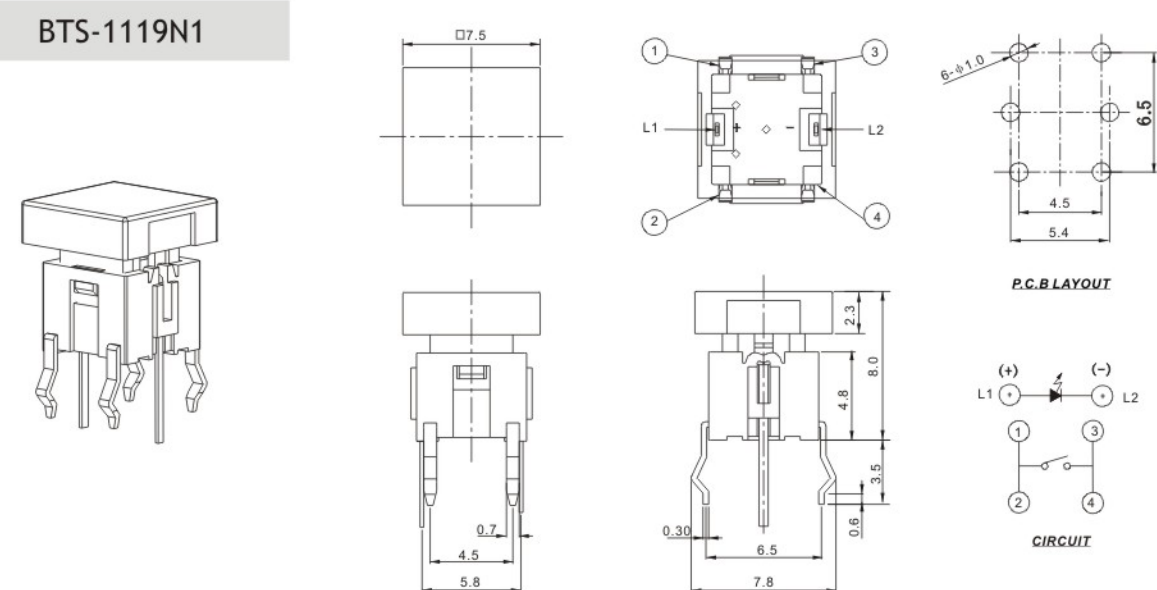
BTS-1118RLAN3

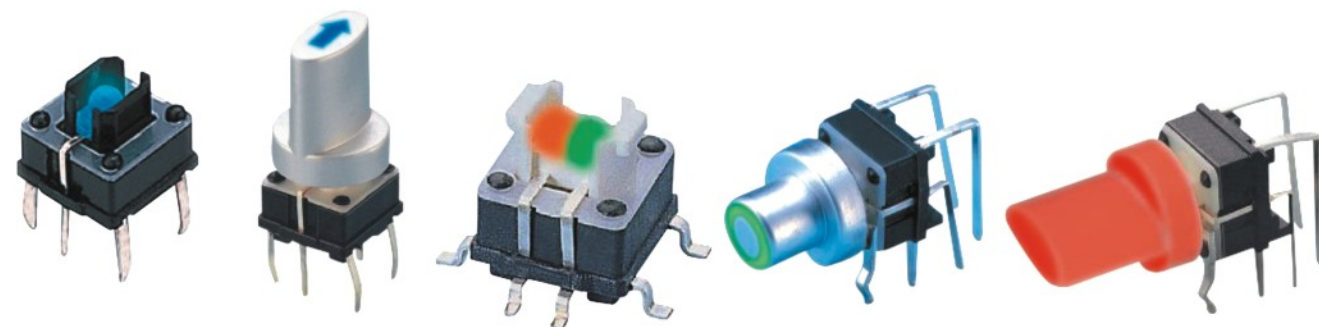


BTS-1119N

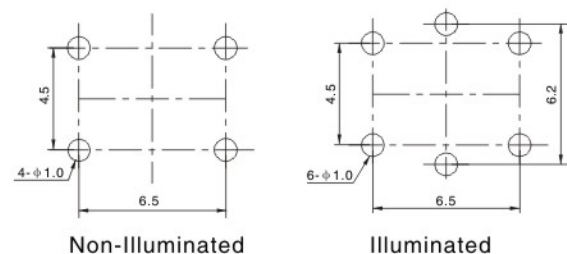


BTS-1119N1

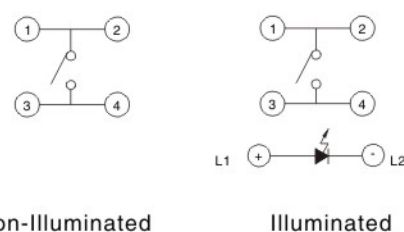




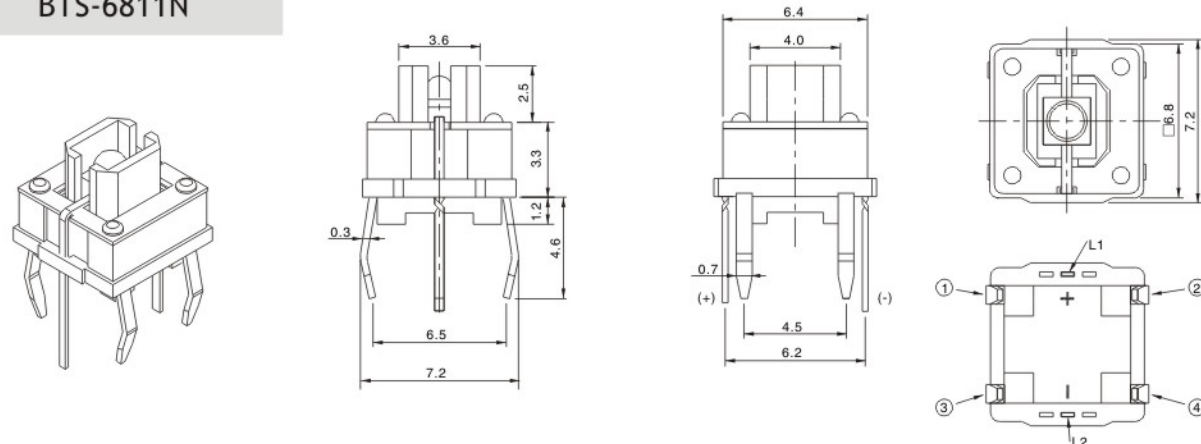
P.C.B Layout



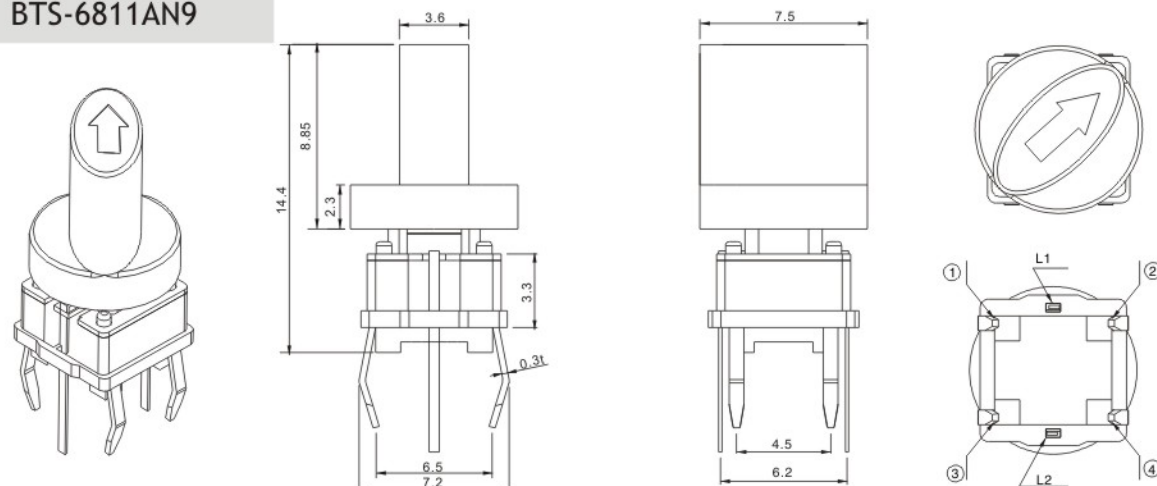
CIRCUIT



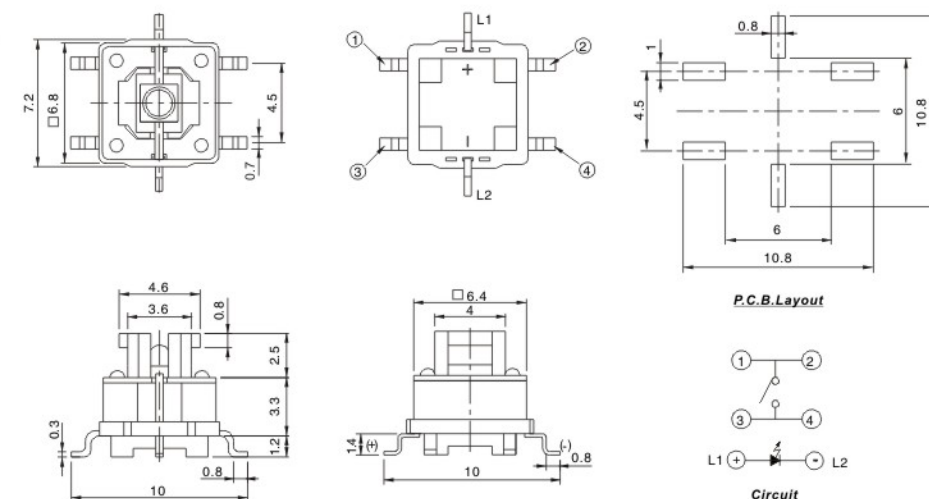
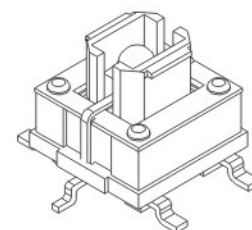
BTS-6811N



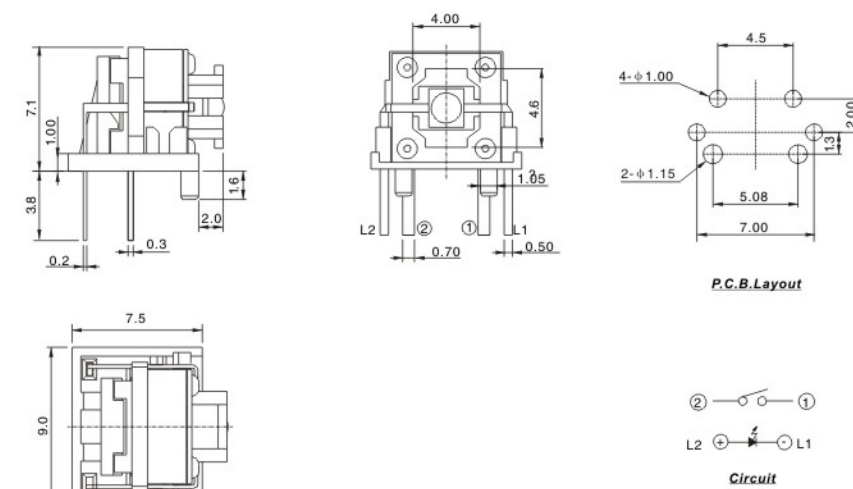
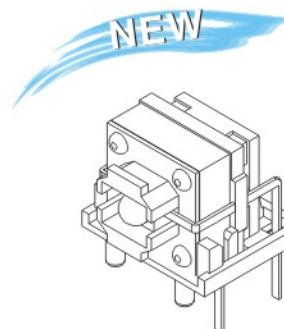
BTS-6811AN9



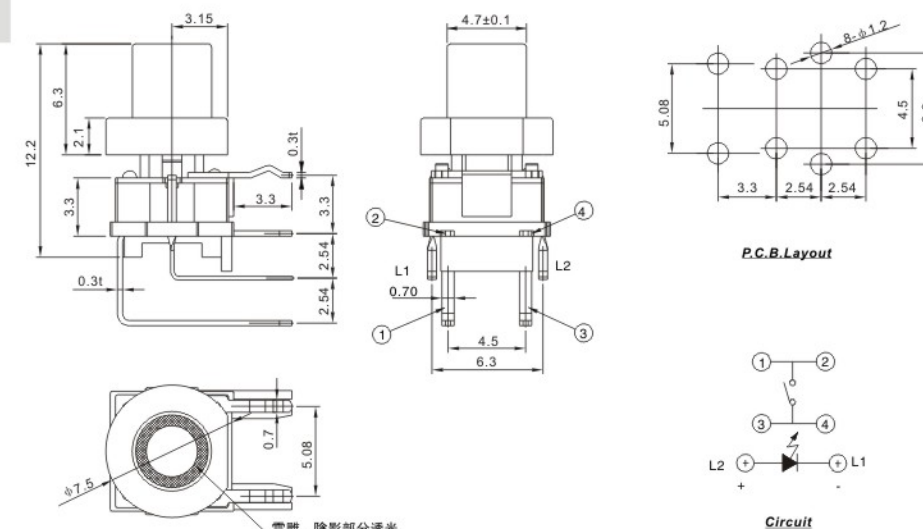
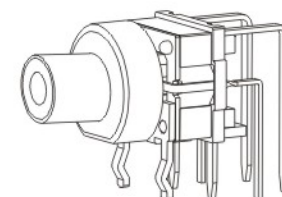
BTS-6811MAN



BTS-6811RLAN



BTS-6811RLAN8

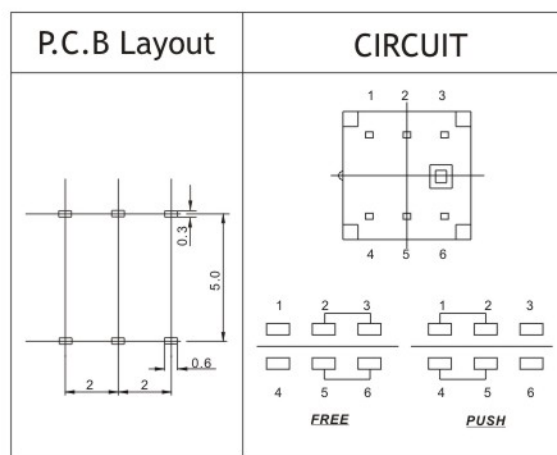
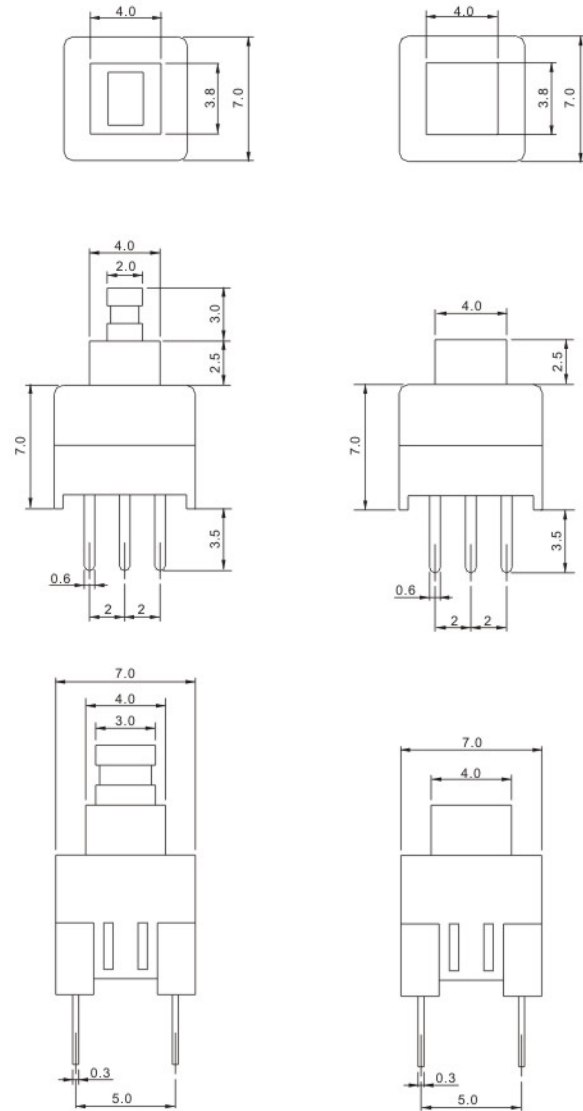
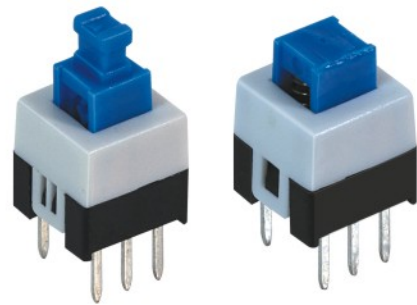


PUSH SWITCH SERIES

7×7mm Series

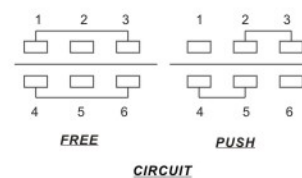
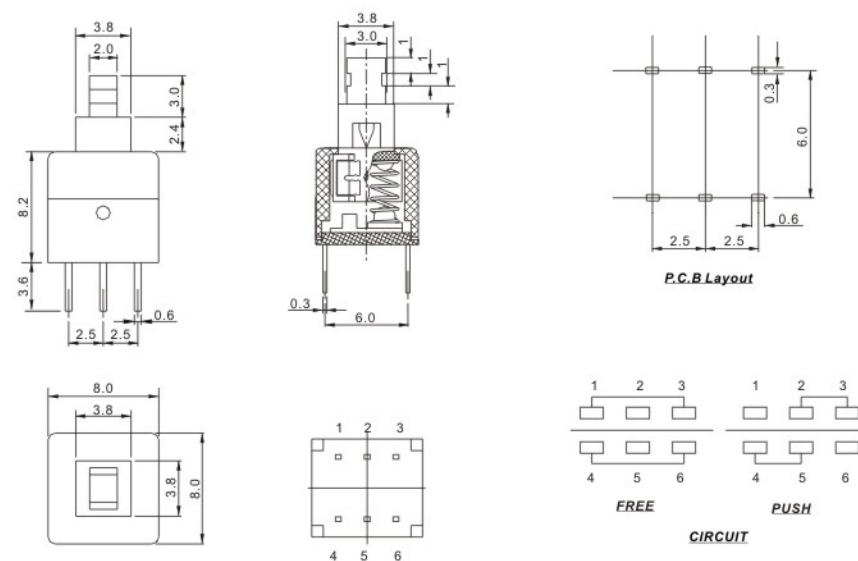
BPS-2277

BPS-2277F



8×8mm Series

BPS-2288

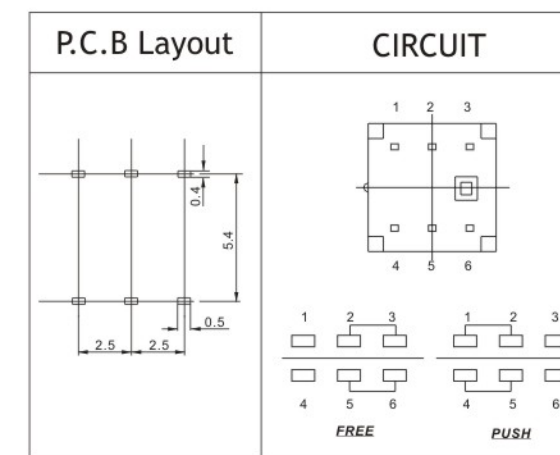
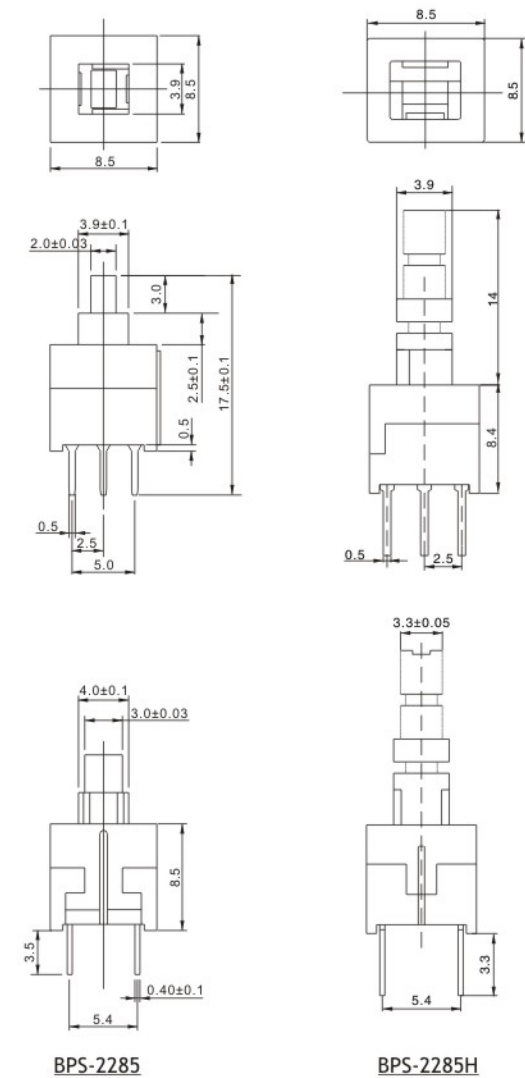
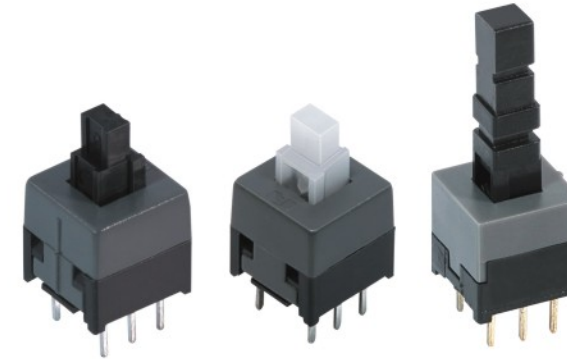


PUSH SWITCH SERIES

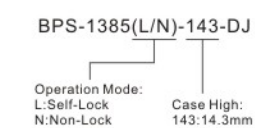
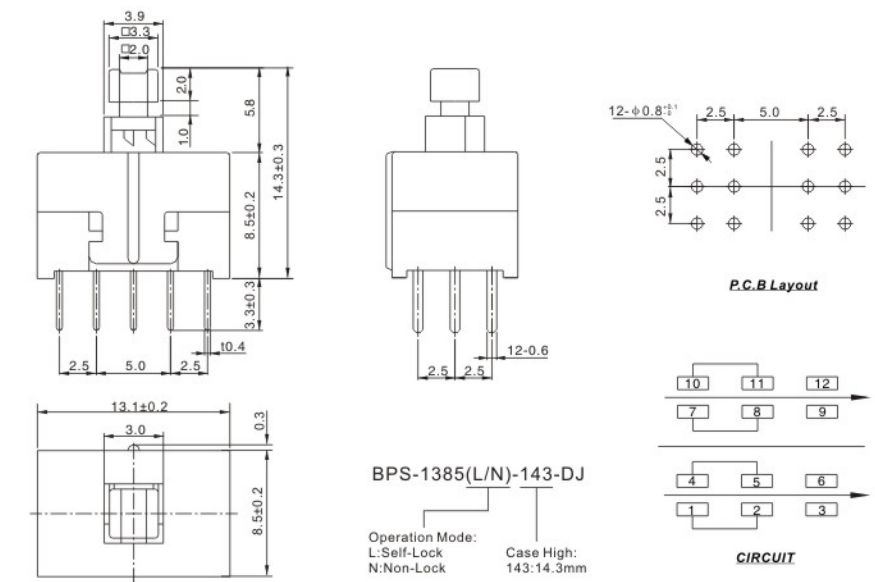
8.5×8.5mm Series

BPS-2285

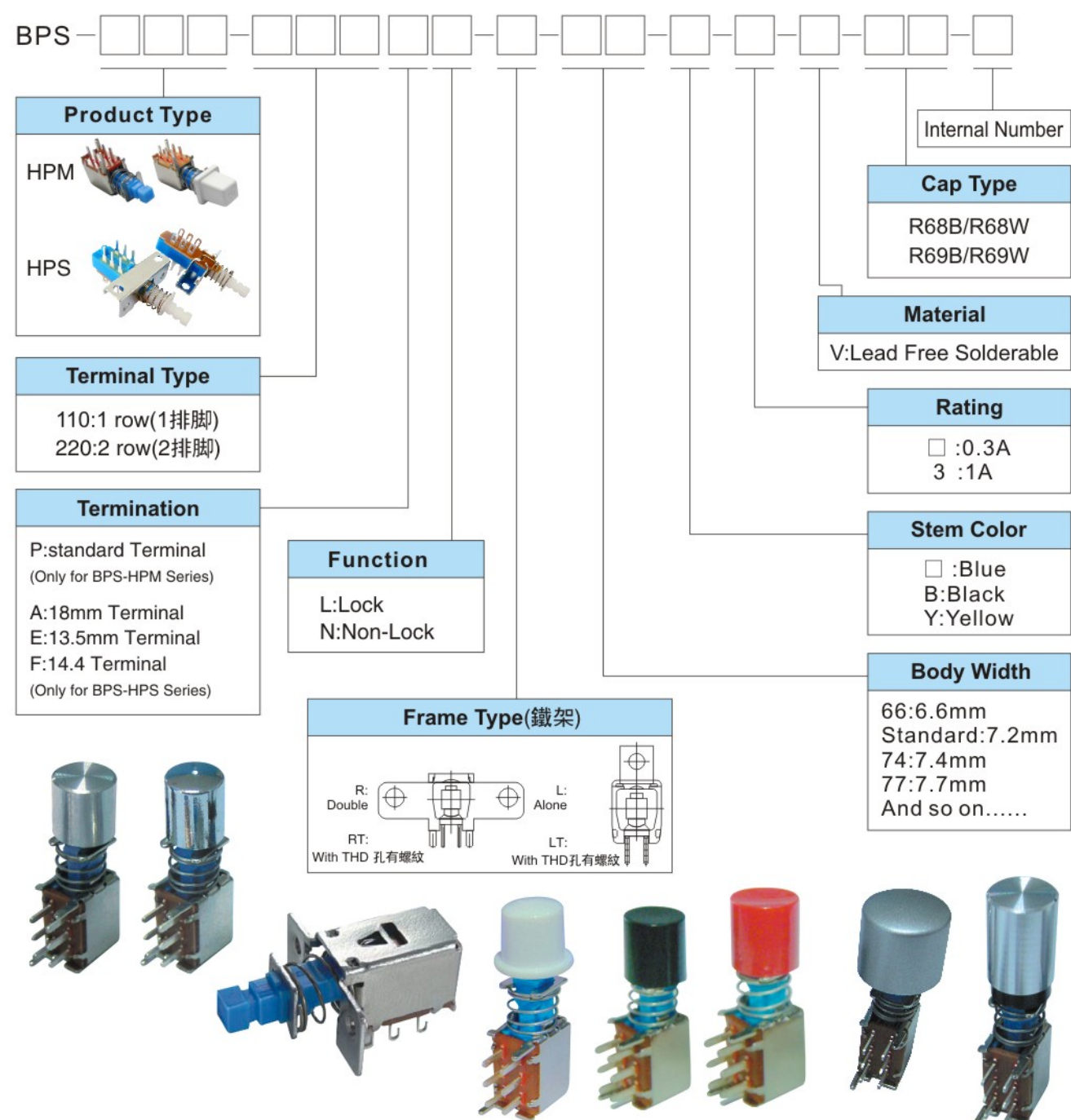
BPS-2285H



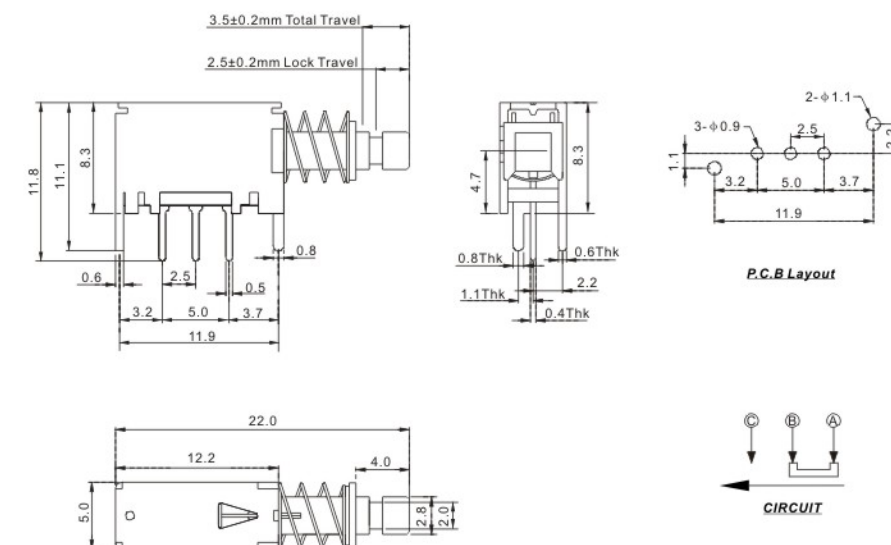
BPS-1385(X)-143



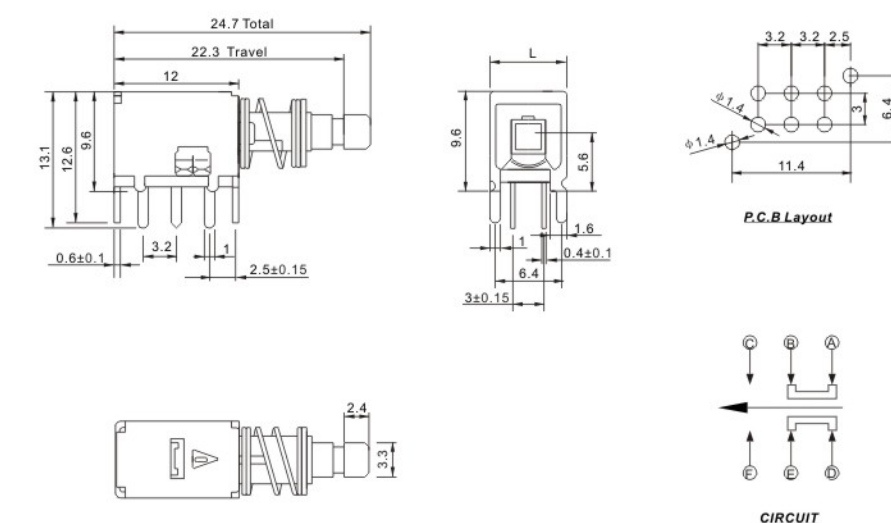
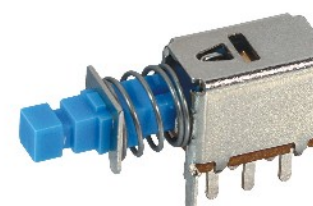
PUSH POWER SWITCH 電源開關



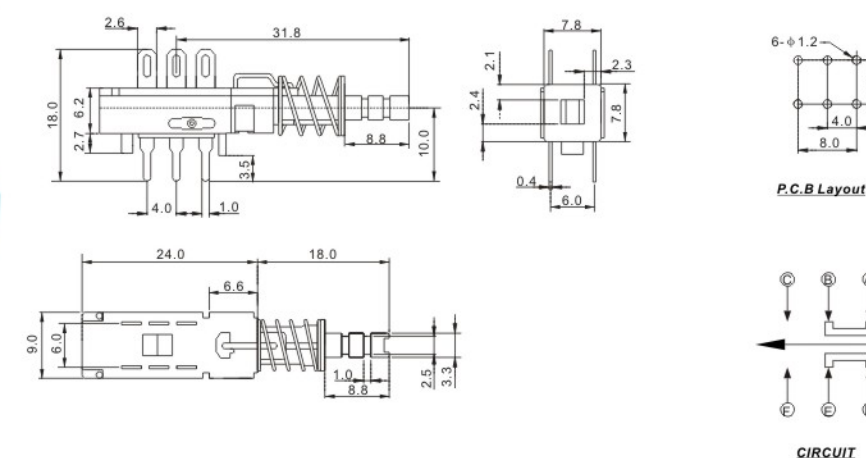
BPS-HPM-110



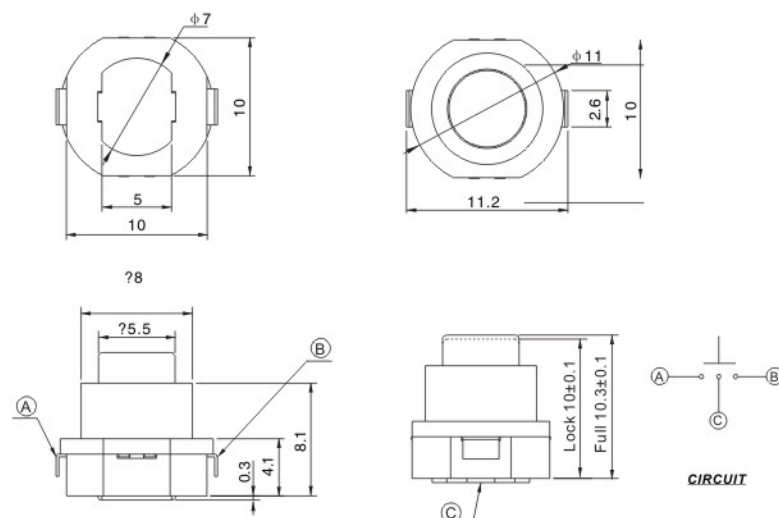
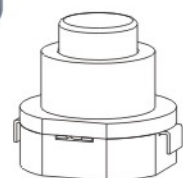
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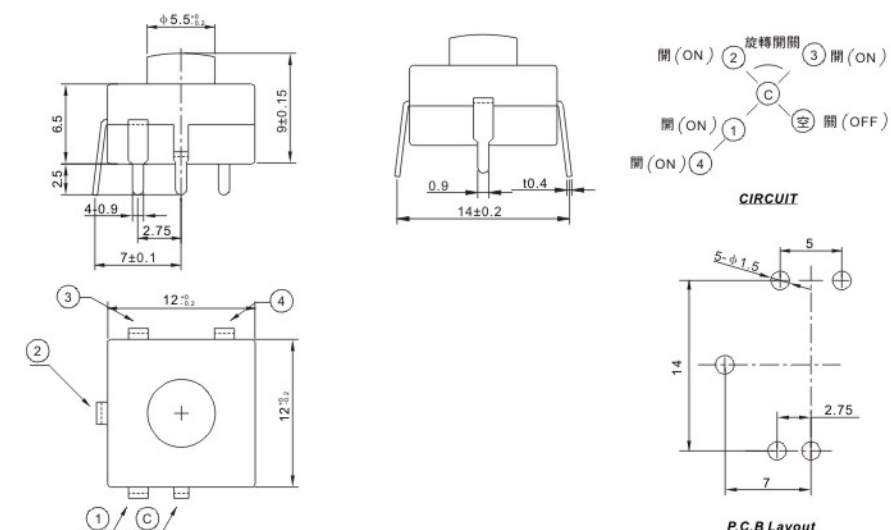
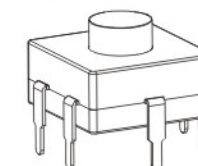
BPS-HPS-220



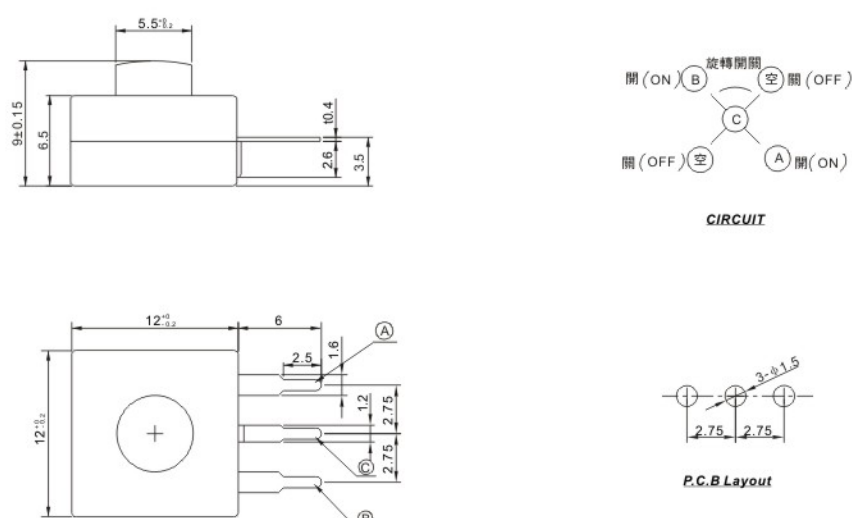
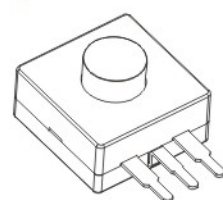
BPB-101V



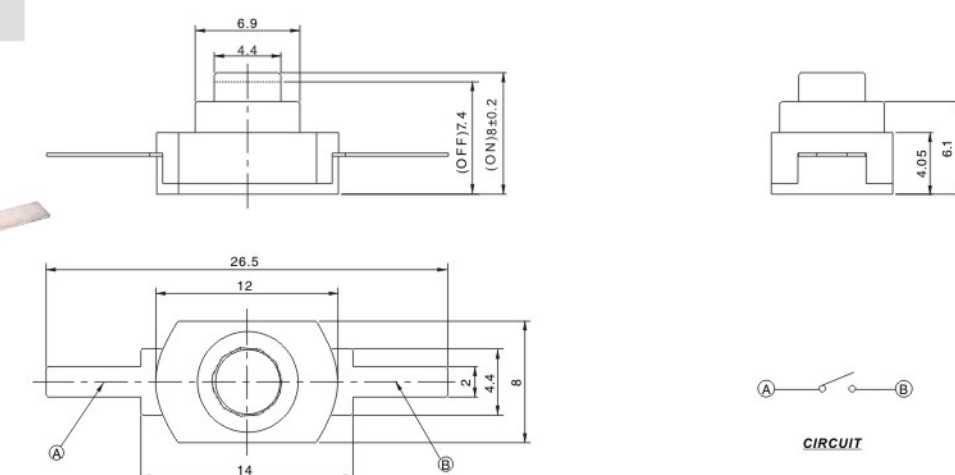
BPB-1204D



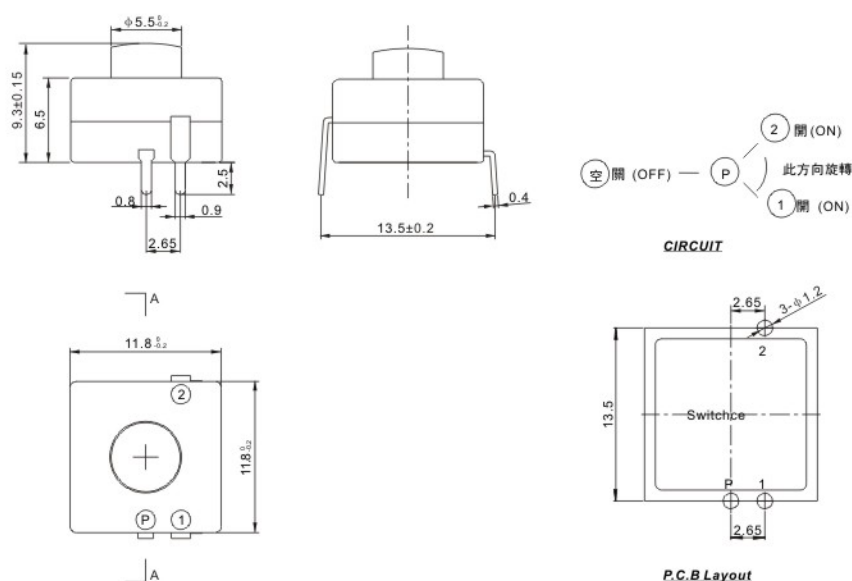
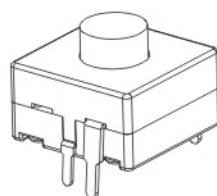
BPB-1202



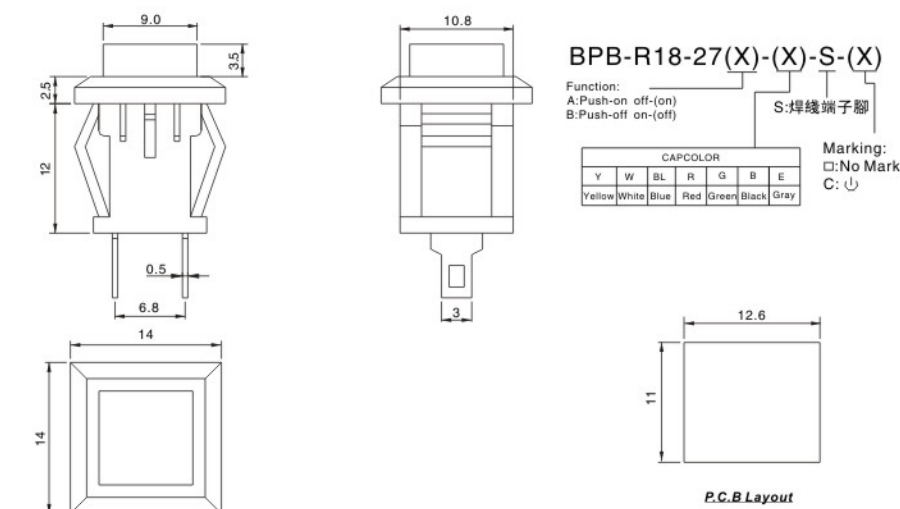
BPB-1288B



BPB-1203



BPB-R18-27 (X)





SPECIFICATIONS

CONTACT RATING: Dependent upon contact material

Silver 3 Amps with resistant load @ 120VAC or 28VDC
1 Amps with resistant load @ 250VAC

Gold 0.4 Volt - Amps (VA) max. @ 20V max. (AC or DC)

MECHANICAL LIFE: 50,000 make-and-break cycles.

CONTACT RESISTANCE: 20 mΩ max. initial @ 2-4VDC
100mA for both silver and gold plated contacts.

INSULATION RESISTANCE: 1,000 MΩ min.

DIELECTRIC STRENGTH: 1,000 Vrms min.@sea level.

OPERATING TEMPERATURE: -30°C to 85°C.

MATERIALS

CASE: Diallyl phthalate(DAP) (UL94V-0).

PLUNGER: Glass filled Nylon or Glass filled polyester.

BUSHING: Brass,nickel plated.

HOUSING: Stainless Steel.

CONTACT: Copper alloy, silver or gold plated.

HOW TO ORDER

MODEL NO.	ACTUATOR	BUSHING	FRAME COLOR	CAP COLOR	TERMINATIONS	CONTACT MATERIAL	SEAL	CAPS
See below								
MODEL NO. BPS-								
SWITCH FUNCTION.		BUSHING			CONTACT MATERIAL			CAPS
On-Mom		B10 6.35 high,keyway (the std)			S Silver			C1
On-On		B11 6.35 high,flat (the std)			G Gold			C2
		B20 6.35 high,keyway (non-thd)						C3
		B21 6.35 high,flat (non-thd)						C4
		AP1 Cap only						C6
		AP2 Cap frame						C7
		AP3 Cap only-(flat)						KC
		AP4 Cap frame-(flat)						
		AP5 Cap with frame for LED,snap-in						
		AP6 Cap with frame for LED,snap-in-(flar)						
		B60 7.62 high,keyway (the std)						
		B61 7.62 high,flat (the std)						
		B70 7.62 high,keyway (non-thd)						
		B71 7.62 high,flat (non-thd)						
ACTUATOR		FRAME COLOR	CAP COLOR					
P1 5.54 high								
PA 5.54 high (Metal material)								
PB 7.00 high,15/32 bushing								
PC 8.75 high (1/4-40 UNS-2A)								



SWITCH FUNCTION

NO. POLES	UL/CSA MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS / SCHEMATIC	
		POS.1	POS.2	POS.1	POS.2
SP	Q2717	ON	MOM	1-3 NC 3 1 (COMM) 2 NO	1-2 NC 3 1 (COMM) 2 NO
DP	Q2727	ON	MOM	1-3,4-6 NC 3 1 (COMM) 2 NO NC 6 4 5 NO	1-2,4-5 NC 3 1 (COMM) 2 NO NC 6 4 5 NO
SP	Q27	ON	ON	1-2 ON 1 2 (COMM) 3 ON	2-3 ON 1 2 (COMM) 3 ON
DP	Q27	ON	ON	1-2,4-5 ON 1 2 (COMM) 3 ON ON 4 5 6 ON	2-3,5-6 ON 1 2 (COMM) 3 ON ON 4 5 6 ON

ACTUATOR OPTIONS

MOM=MOMENTARY

P1	PA	PBB13	PCB60
	handle, metal material	handle, metal material	handle, metal material * PC Actuator only for KC Cap

BUSHING OPTIONS

B10 THD STD B20 NON-THD	B11 THD STD B21 NON-THD

TERMINATION OPTIONS

M1 SOLDER LUG	M2 PC THRU-HOLE	M3 QUICK CONNECT	M5 WIRE WRAP

OTHER TERMINATION OPTIONS

M6	RIGHT ANGLE P.C. MOUNT
M7	RIGHT ANGLE P.C. MOUNT
VS2	VERTICAL BRACKET P.C. MOUNT
VS3	VERTICAL BRACKET P.C. MOUNT
VS4	VERTICAL BRACKET P.C. MOUNT

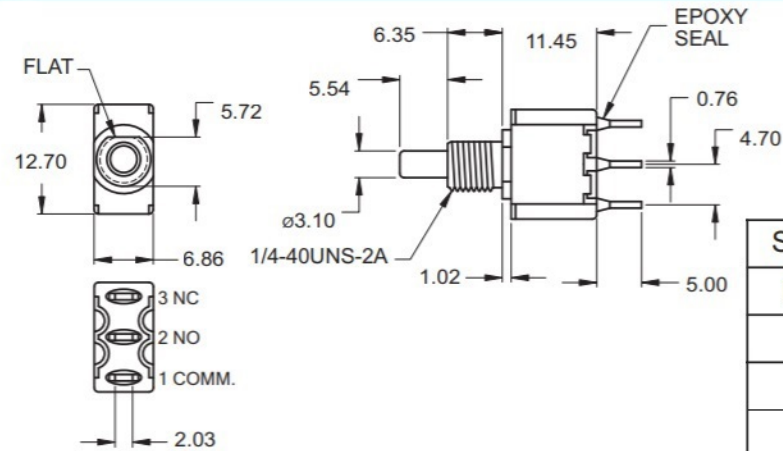
OPTION CODE	DIM. 'A'
M5-1	(19.50)
M5-2	(24.48)
M5-3	(10.80)
M5-4	(16.50)

Snap-Acting Pushbutton Switches

BPS-A101-(P1)(B11)-(M1)



SPDT

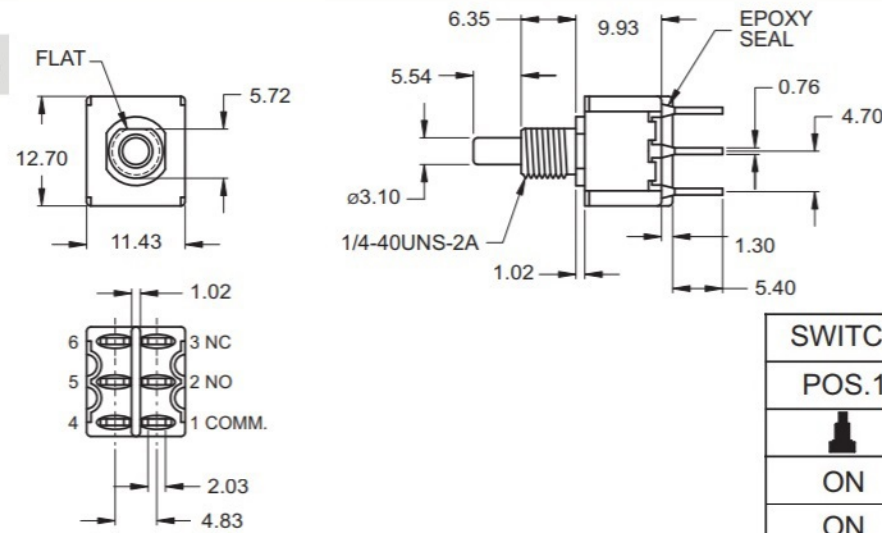


SWITCH FUNCTION	
POS.1	POS.2
ON	MOM
ON	ON

BPS-A202-(P1)(B11)-(M1)



DPDT



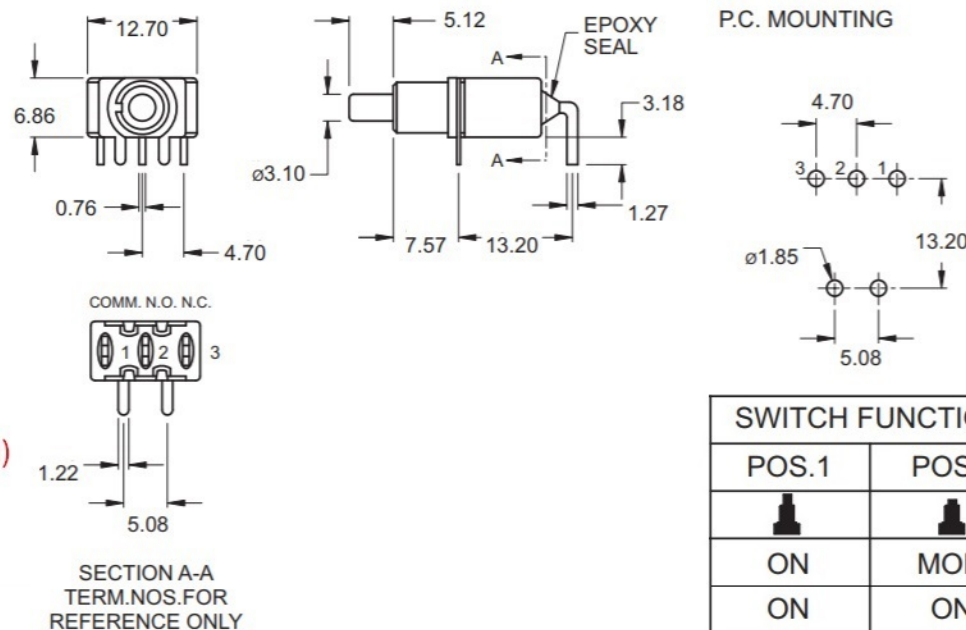
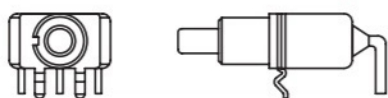
SWITCH FUNCTION	
POS.1	POS.2
ON	MOM
ON	ON

BPS-A3-(P1)(B20)-(M6)



SPDT

SNAP-IN TERMINATION (M6N)



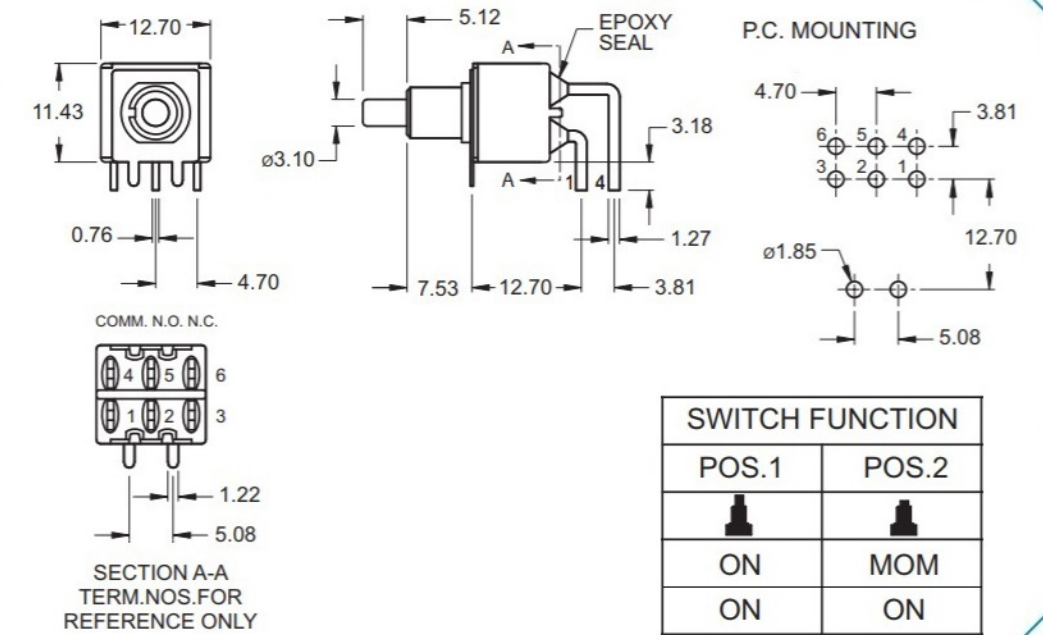
SWITCH FUNCTION	
POS.1	POS.2
ON	MOM
ON	ON

Snap-Acting Pushbutton Switches

BPS-A4-(P1)(B20)-(M6)



DPDT

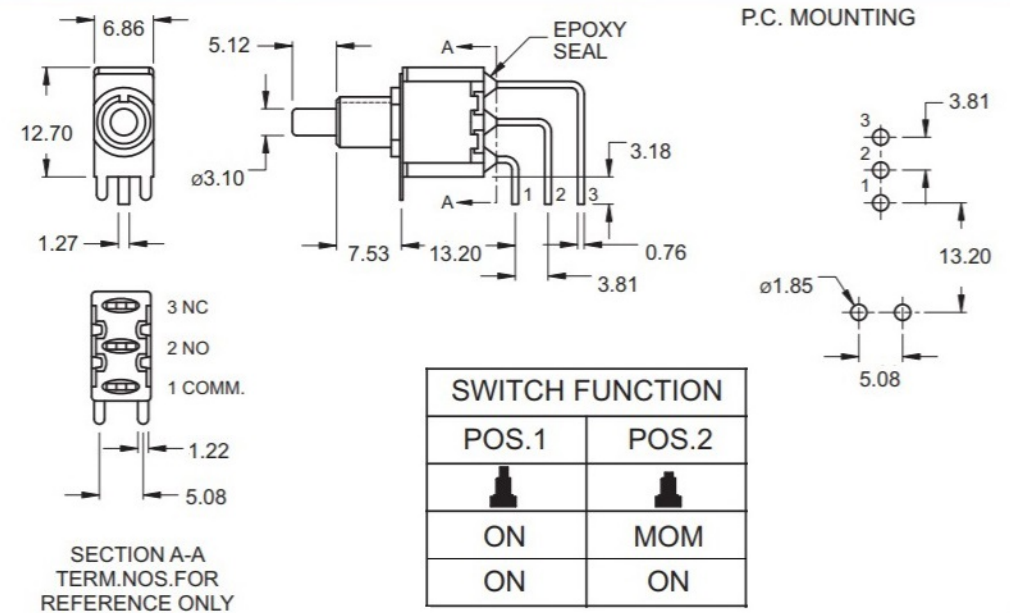


SWITCH FUNCTION	
POS.1	POS.2
ON	MOM
ON	ON

BPS-A5-(P1)(B20)-(M7)



SPDT

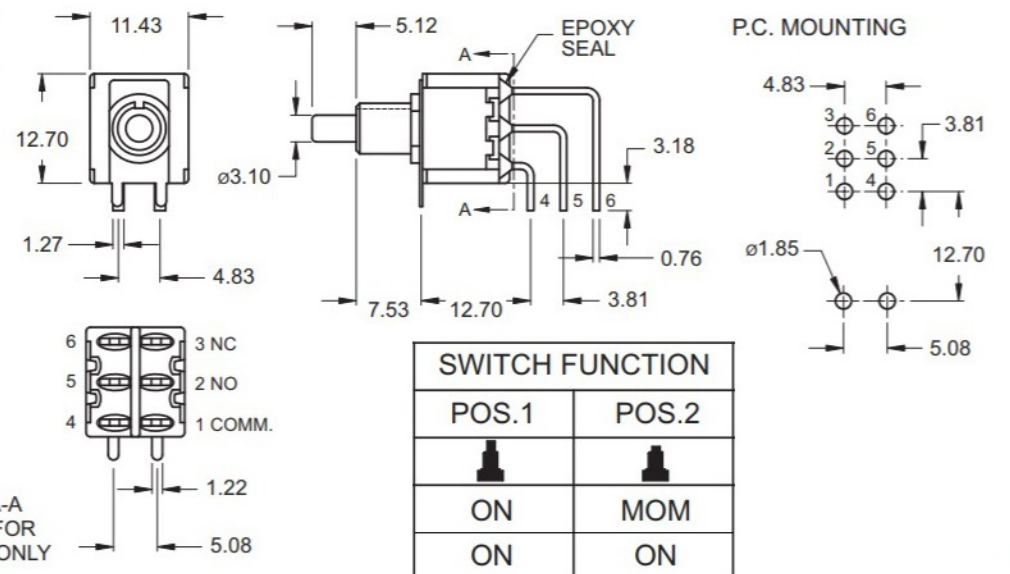


SWITCH FUNCTION	
POS.1	POS.2
ON	MOM
ON	ON

BPS-A6-(P1)(B20)-(M7)

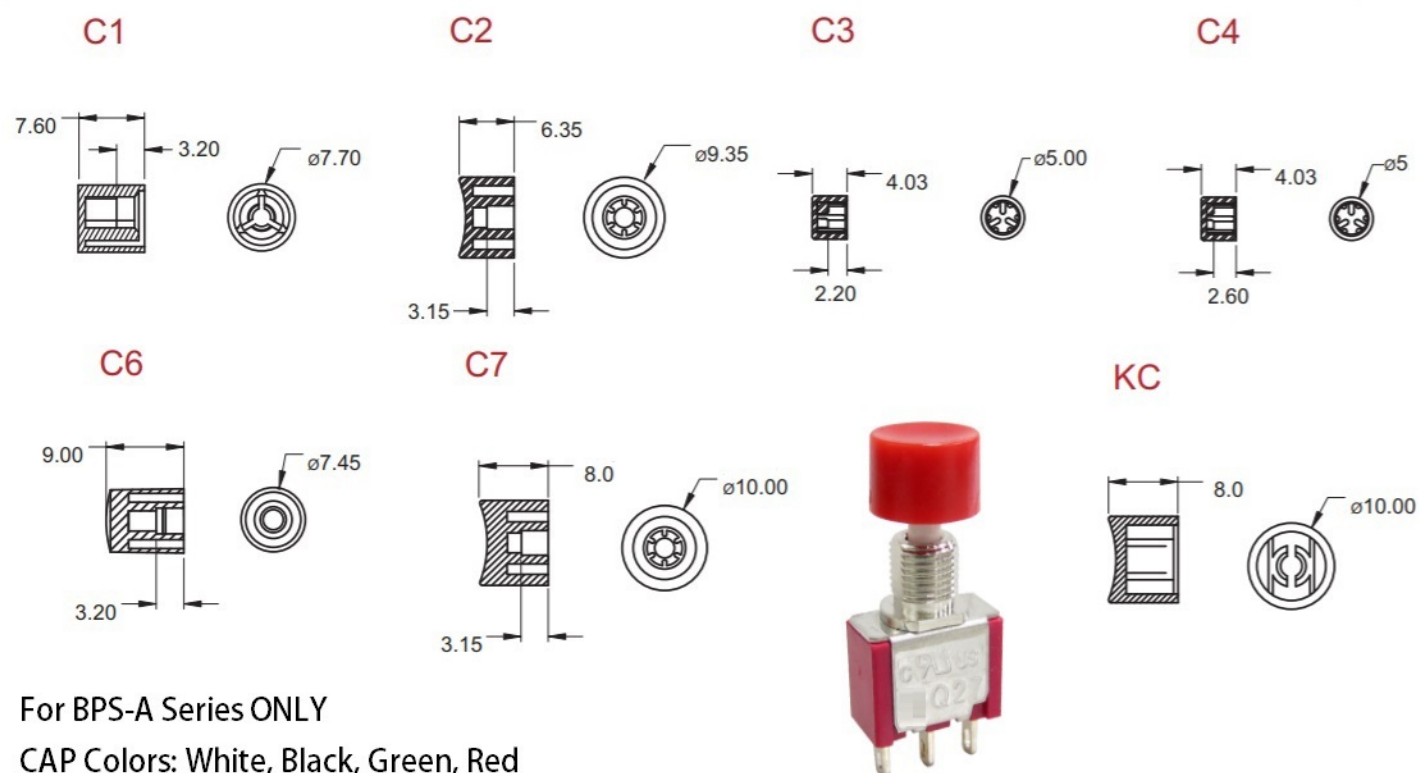


DPDT

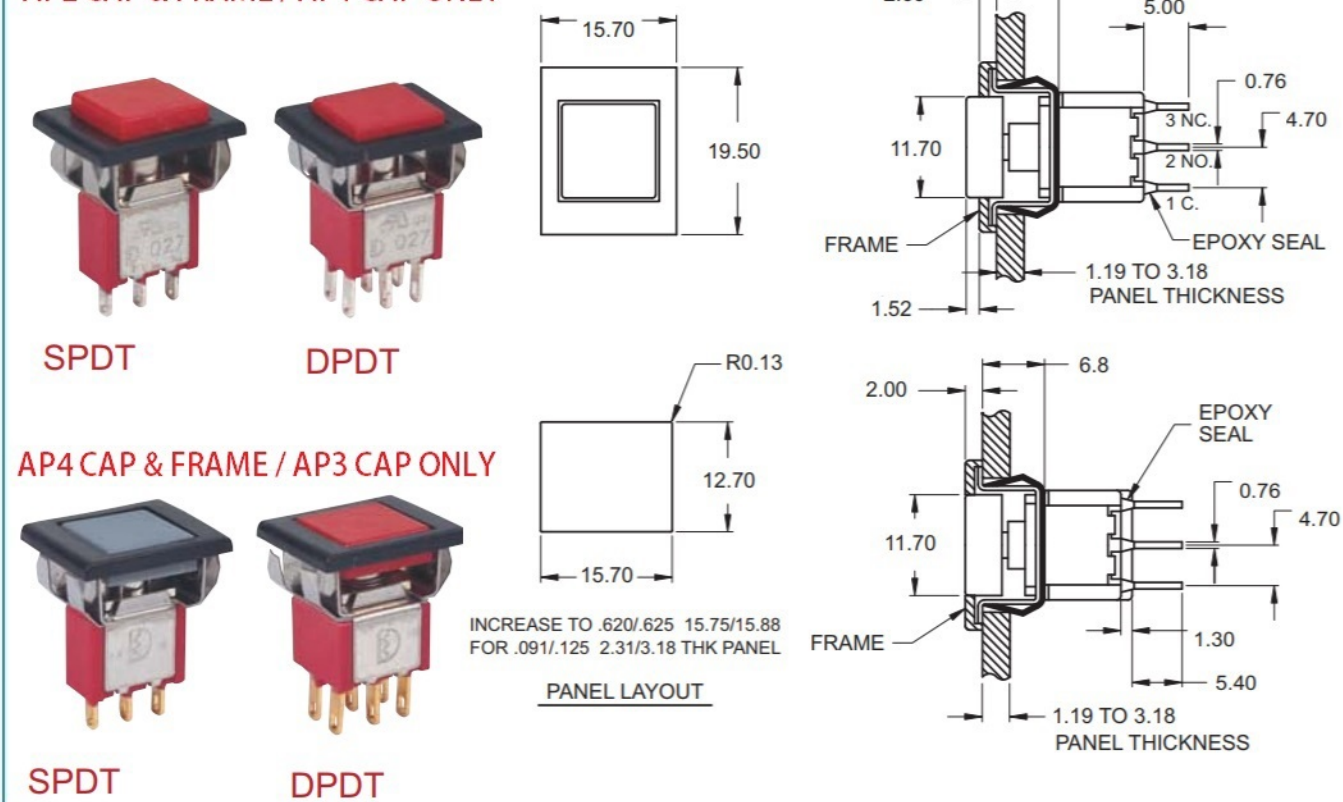


SWITCH FUNCTION	
POS.1	POS.2
ON	MOM
ON	ON

CAP OPTIONS

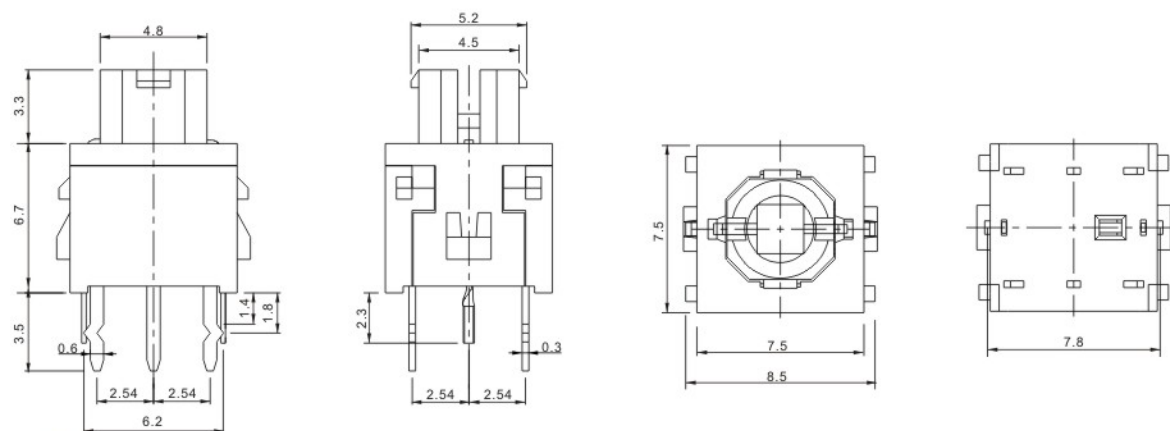
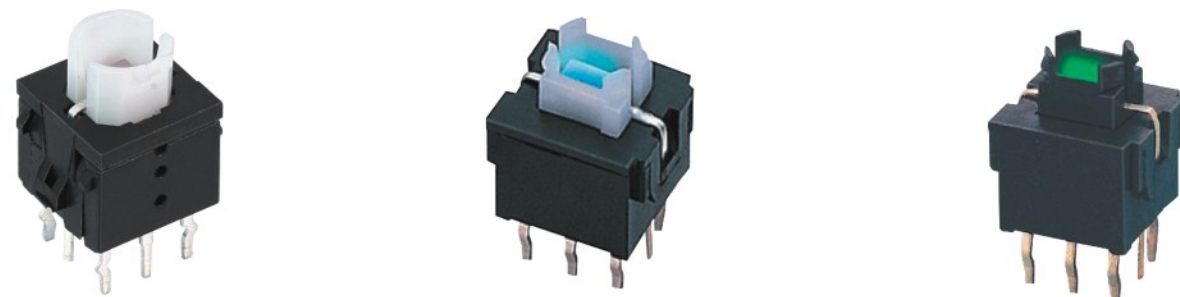


AP2 CAP & FRAME / AP1 CAP ONLY



ILLUMINATED PUSH WITCH 帶燈按鈕開關

料號編碼原則



NEW

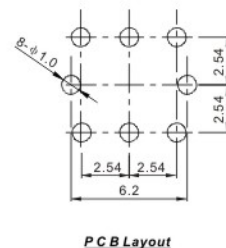
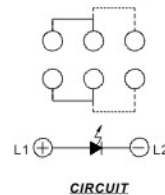
BPS-2275

Function
L: Lock (自鎖)
N: Non lock (無鎖)
NC: Non lock-with click (響無鎖)

Illuminated Color
N: Non-Illuminated
R: Red
BL: Blue
G: Green
Y: Yellow
W: White
HG: Pure Green

□: RoHS Product
R: Halogen Free

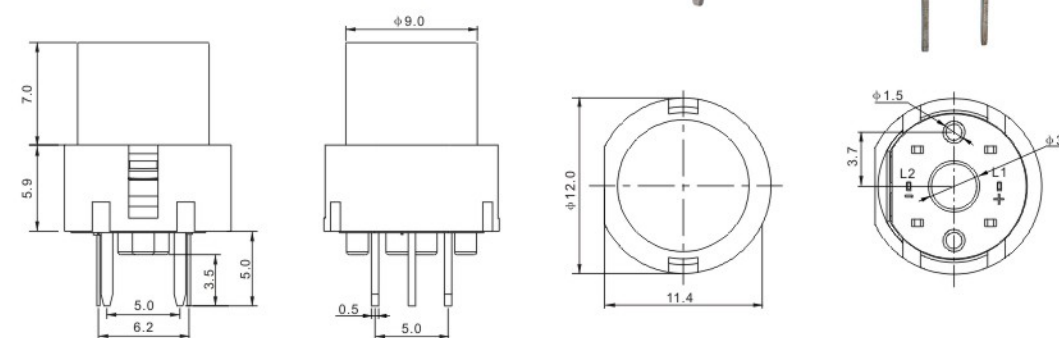
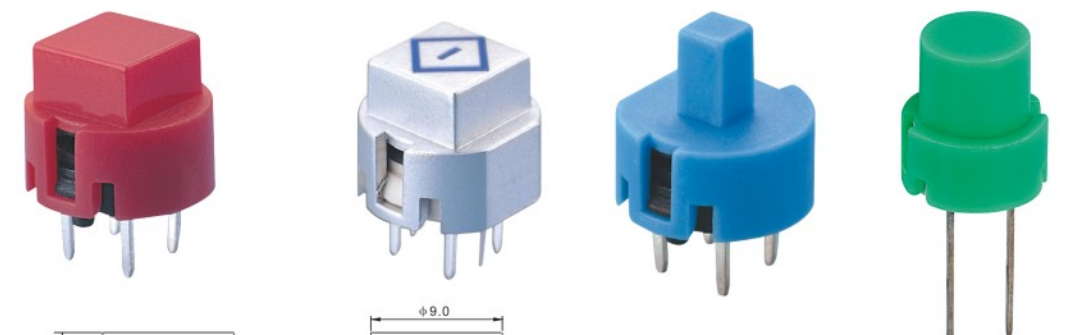
Internal Number



以上編碼・僅限BPS-2275系列按鈕開關編碼使用

ILLUMINATED PUSH WITCH 帶燈按鈕開關

料號編碼原則



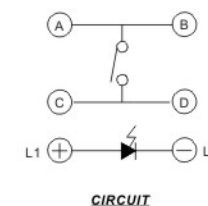
BPS-PKS

Internal Number

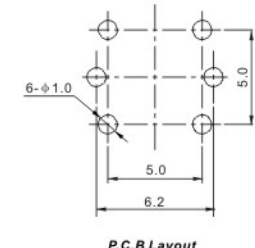
Stamp	
A	Reset
B	OK
C	
D	

Button Color.	
R	Red
B	Black
Y	Yellow
BL	Blue
W	White
G	Green
E	Gray

Illuminated color	
N	Non-Illuminated
R	Red
BL	Blue
G	Green
Y	Yellow
W	White
HG	Pure Green



Button Type					
1	2	3	4	5	6



以上編碼・僅限BPS-PKS系列按鈕開關編碼使用

SLIDE SWITCH 撥動開關

料號編碼原則

BSL-

SS:180 度腳
SK:90 度腳

Pole(接碼的個數)

Throw(停檔的位數)

Serial Number

Internal Number

Stem Height(高度)

2~10mm

Stem Type(手柄)

V:V柄
G:~柄

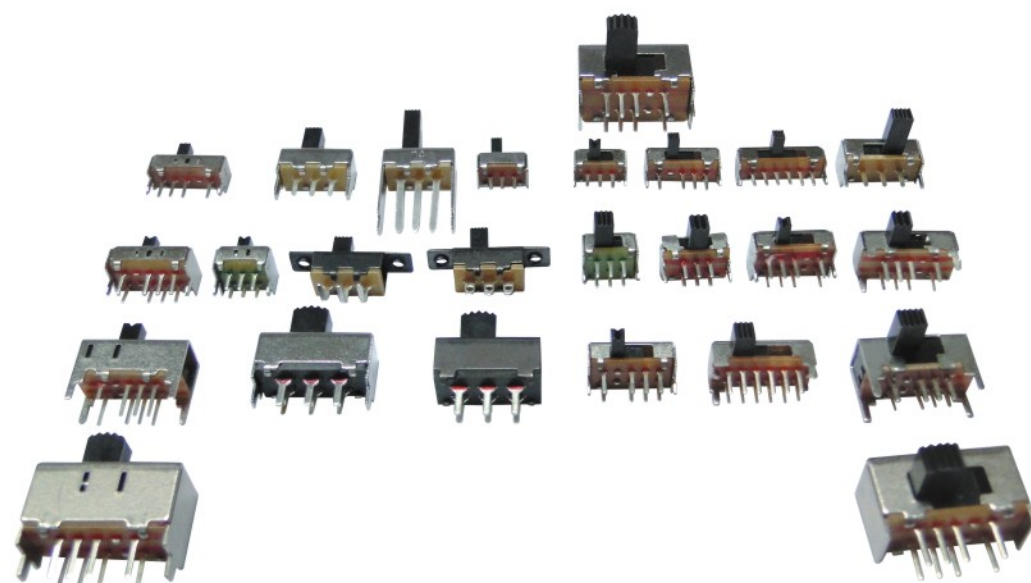
Travel(行程)

C	D	E	F	G	H
1.5	2.0	2.5	3.0	3.5	4.0
I	J	K	L	N	P
4.5	5.0	5.5	6.0	7.0	8.0

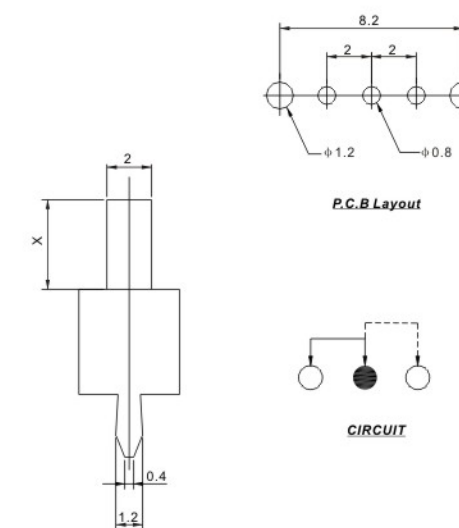
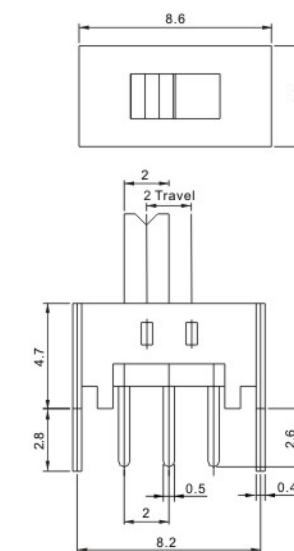
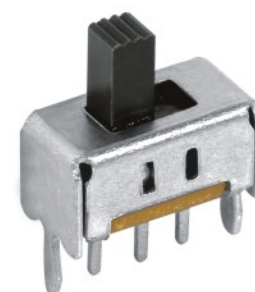
SPECIFICATION

- 1.Rating:DC 50V 0.3A or DC 50V 0.5A
- 2.Contact Resistance:30mΩ max
- 3.Insulation Resistance:100MΩ Min
- 4.Life:10,000~30,000 Cycle
- 5.Travel:Refer to individual product drawing

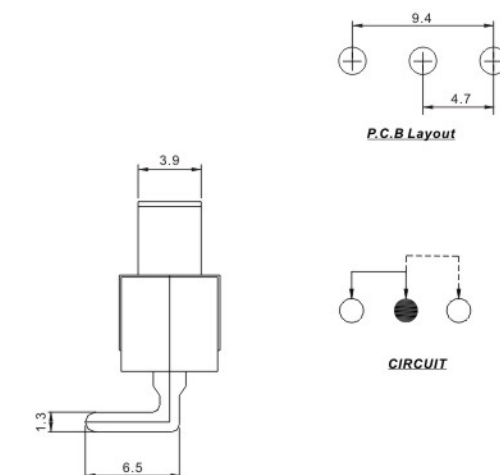
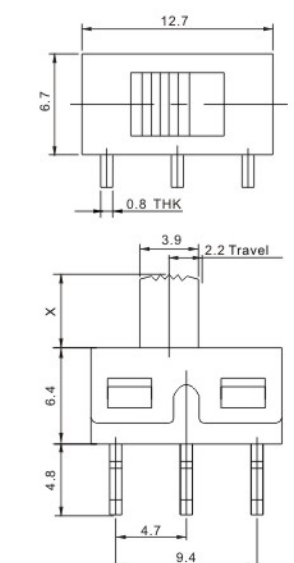
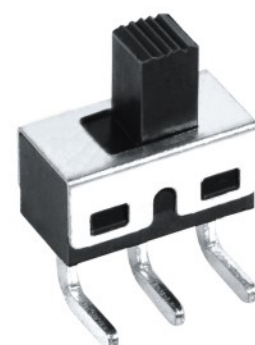
注：以產品圖紙為準 INDIVIDUAL PRODUCT DRAWING TO BENCHMARK



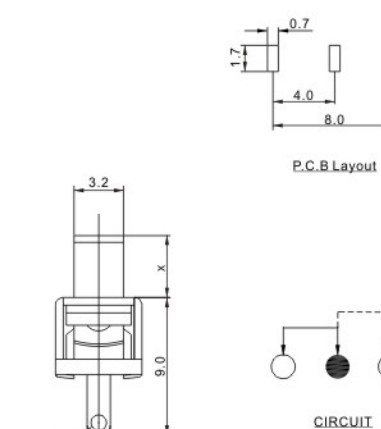
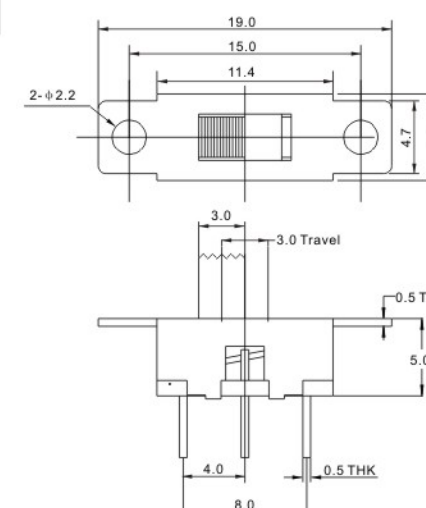
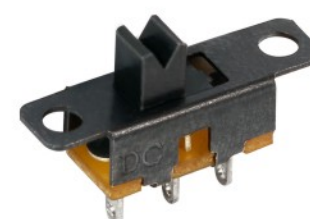
BSL-SS12D02



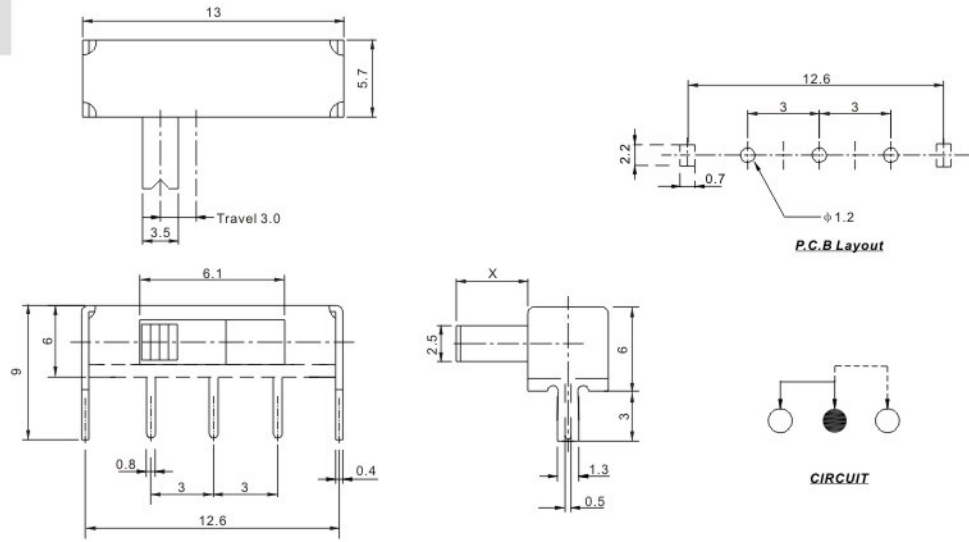
BSL-SS12D06



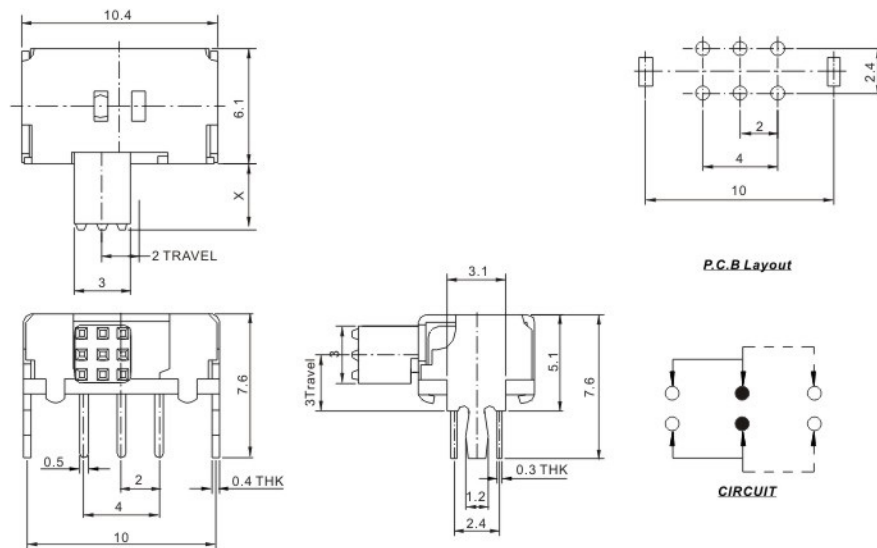
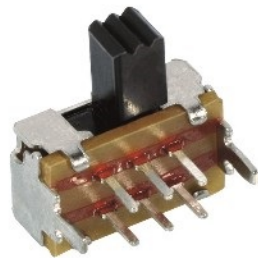
BSL-SS12F72



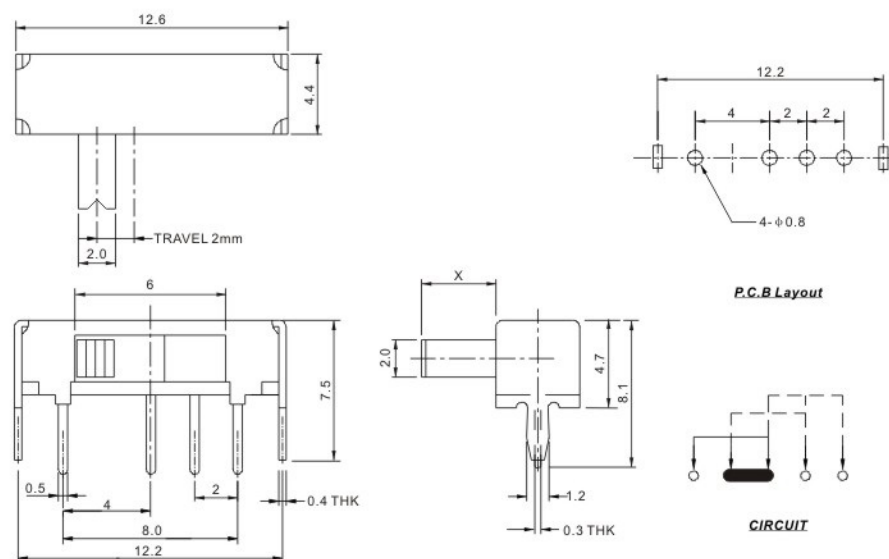
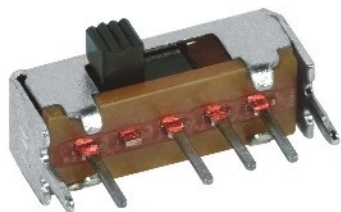
BSL-SK12E12

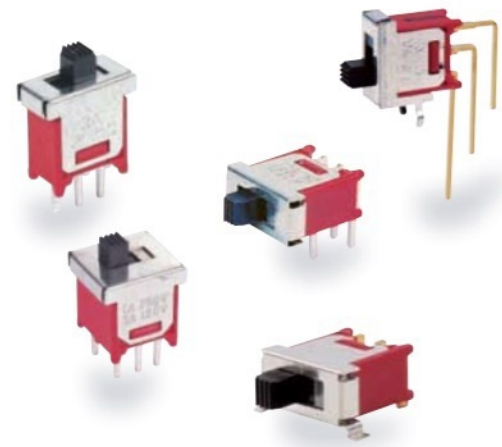


BSL-SK22D02



BSL-SK13D01





SPECIFICATIONS

CONTACT RATING: Dependent upon contact material

Silver 3 Amps with resistant load @ 120VAC or 28VDC
1 Amps with resistant load @ 250VAC

Gold 0.4 Volt - Amps (VA) max. @ 20V max. (AC or DC)

MECHANICAL LIFE: 30,000 make-and-break cycles.

CONTACT RESISTANCE: 20 mΩ max. initial @ 2-4VDC
100mA for both silver and gold plated contacts.

INSULATION RESISTANCE: 1,000 MΩ min.

DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.

OPERATING TEMPERATURE: -30°C to 85°C.

MATERIALS

CASE: Diallyl phthalate (DAP) (UL94v-0).

HOUSING: Brass, tin plated.

ACTUATOR: Nylon, black std.

CONTACT: Brass, with silver or gold plated.

TERMINAL SEAL: Copper alloy, with silver and gold plated.

HOW TO ORDER

MODEL NO.	ACTUATOR	TERMINATIONS	CONTACT MATERIAL	SEAL
Model No. Diagram BSL-DS-11 SP On-None-On DS-111 SP On-None-Mom DS-112 SP On-off-On BSL-DS-11D DP On-None-On DS-112D DP On-off-On	Actuator Diagram S1 3.10 high S2 5.00 high	Terminations Diagram M2 PC thru-hole M5 Wire wrap M6 Right angle, PC thru-hole M6N Right angle, snap-in, PC thru-hole M7 Vertical right angle, PC thru-hole MT (STD) Right angle, surface mount	Contact Material Diagram S Silver G Gold	Seal Diagram ☐ EPOXY (std) N NO EPOXY

SOLDERING PROCESSES

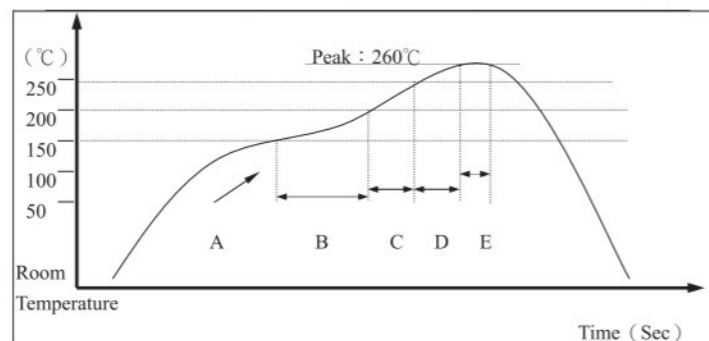
MANUAL SOLDERING : Use soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while applying solder.

WAVE SOLDERING : Recommended Soldering Temperature: 260±5°C
Duration of Solder Immersion: 5 ±1 seconds
(PCB is 1.6mm in thickness)

SOLDERING : Vapor phase

Temperature Profile

Zone	Room temperature	Time (Sec)
Pre-heat (A)	150°C	Min 120s
Soak (B)	180°C~200°C	Min 150s
Peak (C)	200°C~235°C	Min 30s
Peak (D)	235°C~260°C	Min 40s
Peak (E)	260°C	Max 10s

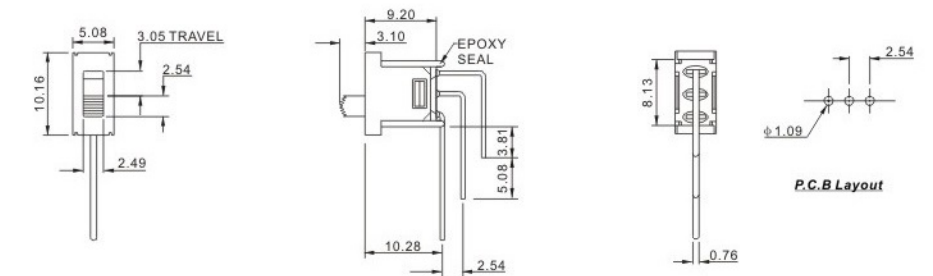


SLIDE SWITCH SERIES

BSL-DS-11(X)



SPDT



Switch Function

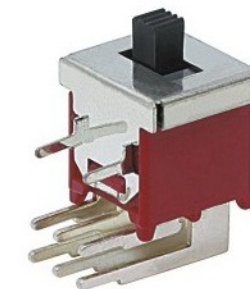
Model No.	POS.1	POS.2	POS.3
BSL-DS-11	ON	NONE	ON
BSL-DS-111	ON	NONE	MOM
BSL-DS-112	ON	OFF	ON
Term. Comm.	2-1	OPEN	2-3
SCHEMATIC			

BSL-DS-11(X)-S(X)-M(7)

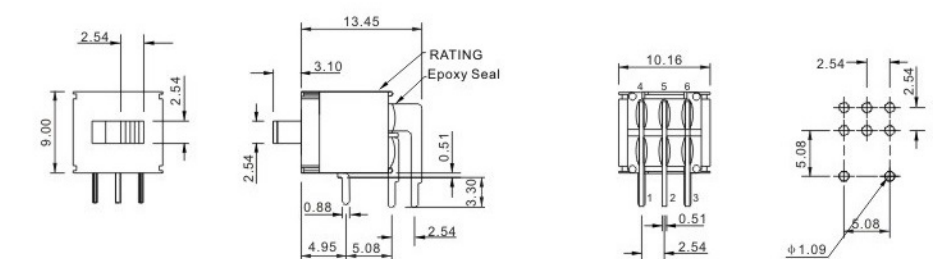
Model No.	Switching Position	Actuator Type:
BSL-DS-11	ON NONE ON	S1 : 3.10mm
BSL-DS-111	ON NONE (ON)	
BSL-DS-112	ON OFF ON	

Terminations:
M7=Vertical Right Angle PC thru-hole

BSL-DS-11(X)D



DPDT



Switch Function

Model No.	POS.1	POS.2	POS.3
BSL-DS-11D	ON	NONE	ON
BSL-DS-112D	ON	OFF	ON
Term. Comm.	2-1,5-4	OPEN	2-3,5-6
SCHEMATIC			

BSL-DS-11(X)D-S(X)-M(6)

Model No.	Switching Position	Actuator Type:
BSL-DS-11D	ON NONE ON	S1 : 3.10mm
BSL-DS-112D	ON OFF ON	

Terminations:
M6=Right Angle PC thru-hole

SWITCH FUNCTION

NO. POLES	UL/CSA MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
		POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
SP	Q2511	ON	NONE	ON		OPEN	
	Q2512	ON	NONE	MOM			
	Q2513	ON	OFF	ON			
DP	Q2521	ON	NONE	ON		OPEN	
	Q2523	ON	OFF	ON			

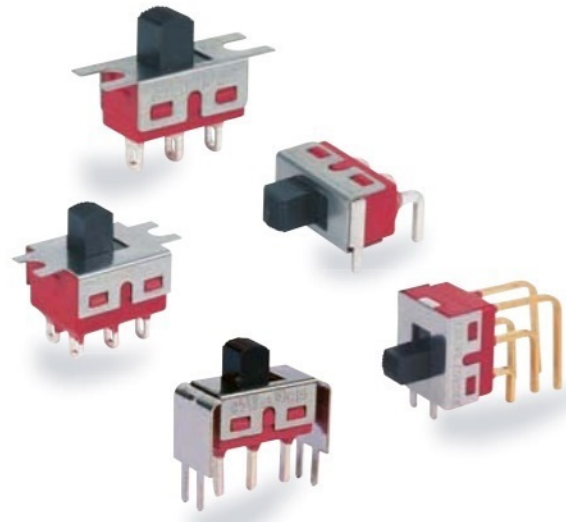
MOM=MOMENTARY



BSL-DS-11-S1-M6-S

BSL-DS-11-S1-MZ-G

BSL-DS-11D-S1-M2-S



SPECIFICATIONS

CONTACT RATING: Dependent upon contact material

Silver 5 Amps with resistant load @ 120VAC or 28VDC
2 Amps with resistant load @ 250VAC

Gold 0.4 Volt - Amps (VA) max. @ 20V max. (AC or DC)

MECHANICAL LIFE: 30,000 make-and-break cycles.

CONTACT RESISTANCE: 10 mΩ max. initial @ 2-4VDC

100mA for both silver and gold plated contacts.

INSULATION RESISTANCE: 1,000 MΩ min.

DIELECTRIC STRENGTH: 1,000 Vrms min.@sea level.

OPERATING TEMPERATURE: -30°C to 85°C.

MATERIALS

CASE: Diallyl phthalate (DAP) (UL94v-0).

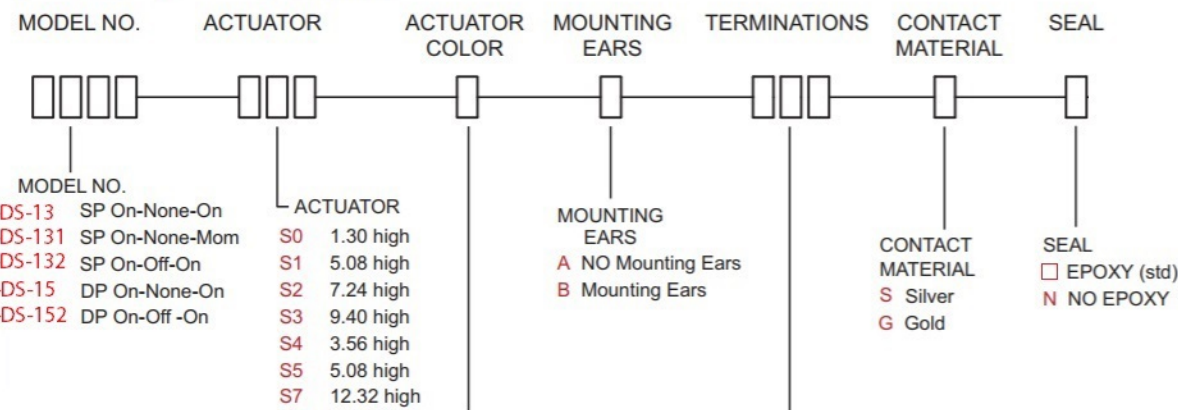
HOUSING: Stainless Steel.

ACTUATOR: Nylon,black std.

CONTACT: Brass,with silver or gold plated.

TERMINAL SEAL: Epoxy.

HOW TO ORDER



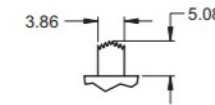
SWITCH FUNCTION

NO. POLES	UL/CSA MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
		POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
SP	Q1511	ON	NONE	ON	2-1	N/A	2-3
	Q1512	ON	NONE	MOM	1-2 (COMM)		2 (COMM)
	Q1513	ON	OFF	ON	1-3	OPEN	1-2 (COMM)
DP	Q1521	ON	NONE	ON	2-1,5-4	N/A	2-3,5-6
	Q1523	ON	OFF	ON	1-2 (COMM) 4-5	OPEN	1-3 4-6

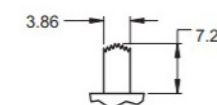
MOM=MENTORY

ACTUATOR OPTIONS

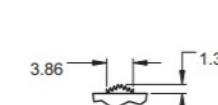
S1 STD



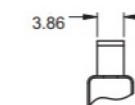
S2



S0

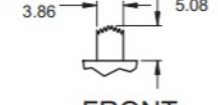


FRONT



For S0,S1,S2,S3,S4

▲ S5



FRONT

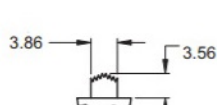


FOR DPDT ONLY

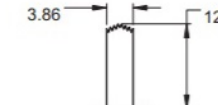
S3



S4



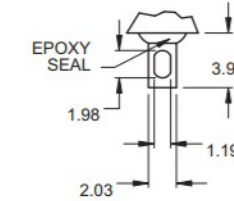
S7



* Subtract .014(0.36) from Actuator height for M6, M7 P.C. MOUNTING OPTION.

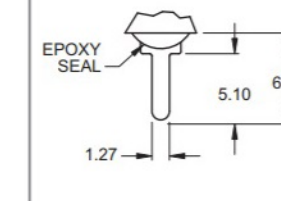
TERMINATION OPTIONS

M1 SOLDER LUG



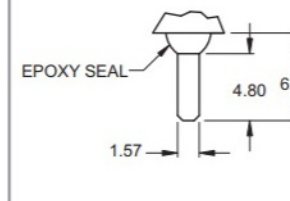
THK (0.76)

M2 PC THRU-HOLE



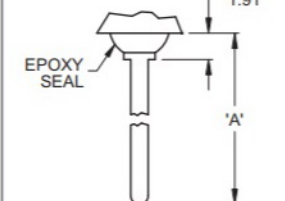
THK (0.76)

M3 QUICK CONNECT



THK (0.76)

M5 WIRE WRAP



THK (0.76)

OTHER TERMINATION OPTIONS

M6 RIGHT ANGLE P.C. MOUNT

M7 RIGHT ANGLE P.C. MOUNT

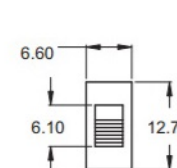
VS2 VERTICAL BRACKET P.C. MOUNT

OPTION CODE	DIM. 'A'
M5-1	(18.70)
M5-2	(24.20)
M5-3	(10.55)
M5-4	(26.97)

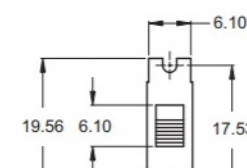
MOUNTING EARS / PANEL MOUNTING

MOUNTING EARS

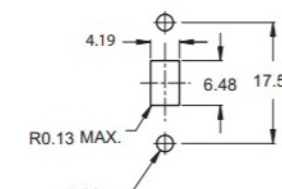
"A" WITHOUT MOUNTING EARS



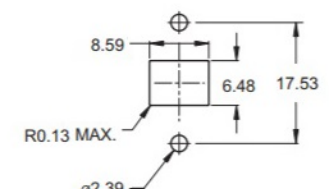
"B" WITH MOUNTING EARS



PANEL MOUNTING

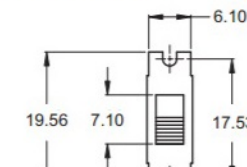
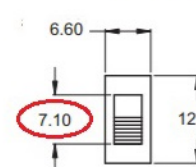


For S0,S1,S2,S3,S4

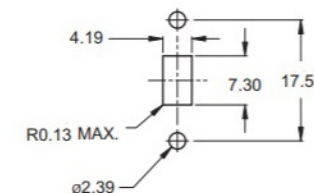


For S5 ONLY

THREE POSITIONS ONLY

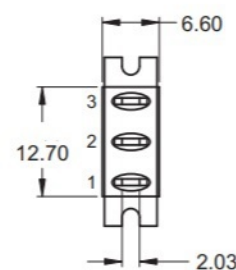
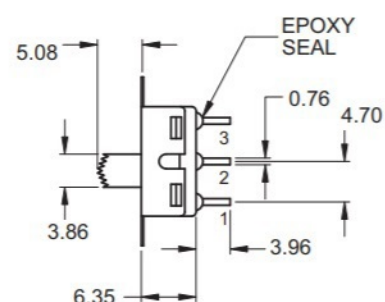
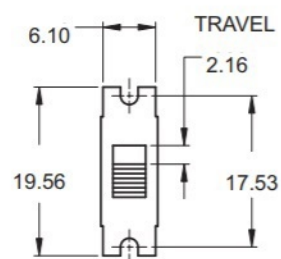


THREE POSITIONS ONLY



For S0,S1,S2,S3,S4

BSL-DS-13(X)

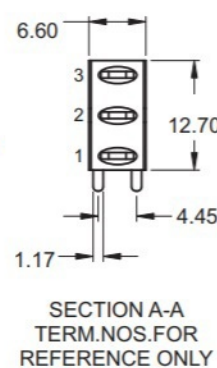
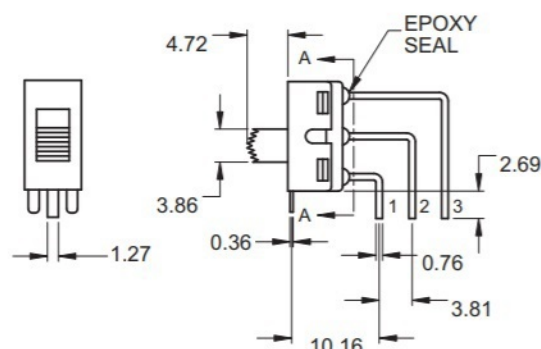


SPDT

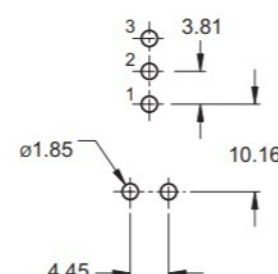
2A 250VAC
5A 125VAC OR 28VDC



DPDT



P.C. MOUNTING



SECTION A-A
TERM.NOS.FOR
REFERENCE ONLY

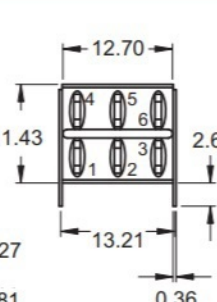
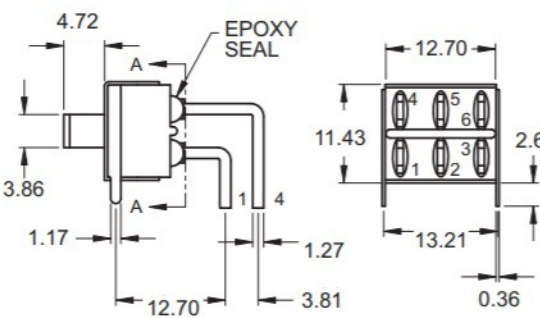
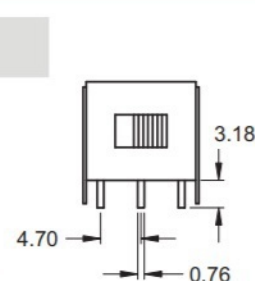
SPDT

2A 250VAC
5A 125VAC OR 28VDC

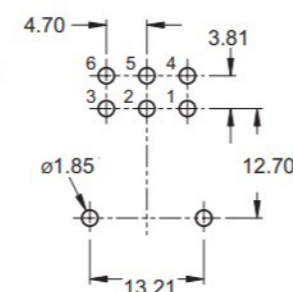


DPDT

BSL-DS-15(X)



P.C. MOUNTING



DPDT

2A 250VAC
5A 125VAC OR 28VDC



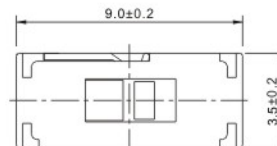
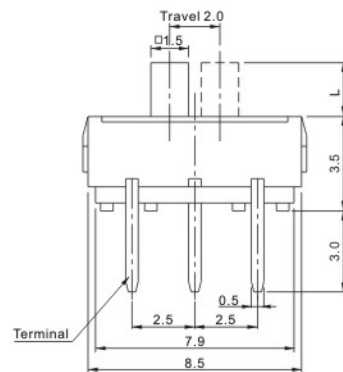
SPDT

MINI SLIDE SWITCH SERIES

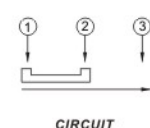
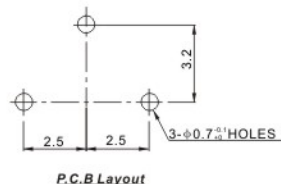
BSL-1235



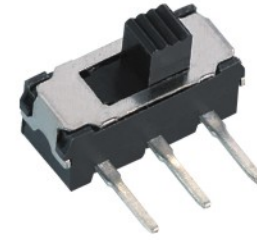
SPECIFICATION:
 1. Rating: DC 6V 0.3A
 2. Circuit: 1C-2P
 3. Timing: Non-Shorting
 4. Travel: 2 ± 0.1 mm
 5. Operating Force: 200 ± 100 gf
 6. Contact Resistance: $70\text{m}\Omega$ Max
 7. Operating Life: 10,000 Cycles



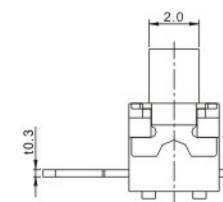
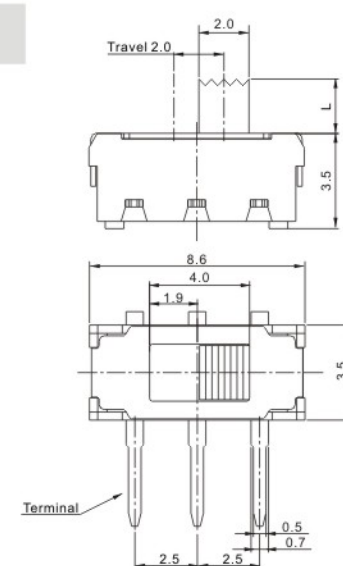
Model No.	Knob L(mm)
BSL-1235A	2.0
BSL-1235B	4.0



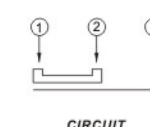
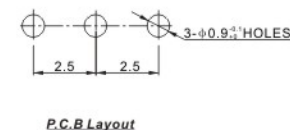
BSL-1260



SPECIFICATION:
 1. Rating: DC 6V 0.3A
 2. Circuit: 1C-2P
 3. Timing: Non-Shorting
 4. Travel: 2 ± 0.1 mm
 5. Operating Force: 200 ± 100 gf
 6. Contact Resistance: $70\text{m}\Omega$ Max
 7. Operating Life: 10,000 Cycles



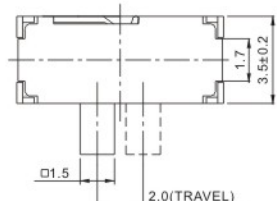
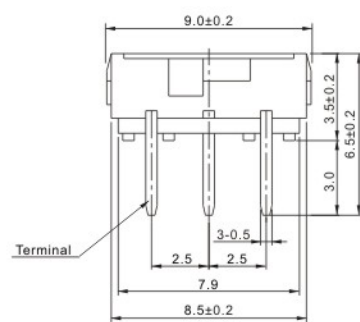
Model No.	Knob L(mm)
BSL-1260	2.0
BSL-1260A	3.0
BSL-1260B	4.4



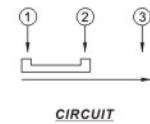
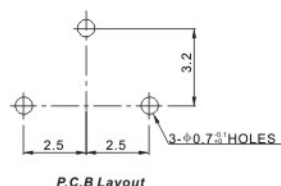
BSL-1245



SPECIFICATION:
 1. Rating: DC 6V 0.3A
 2. Circuit: 1C-2P
 3. Timing: Non-Shorting
 4. Travel: 2 ± 0.1 mm
 5. Operating Force: 200 ± 100 gf
 6. Contact Resistance: $70\text{m}\Omega$ Max
 7. Operating Life: 10,000 Cycles



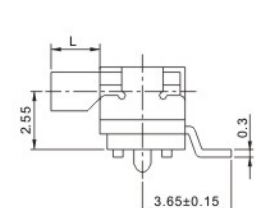
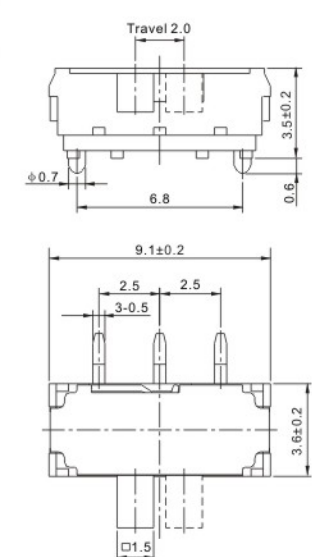
Model No.	Knob L(mm)
BSL-1245A	2.0
BSL-1245B	4.0



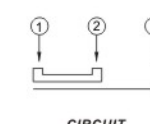
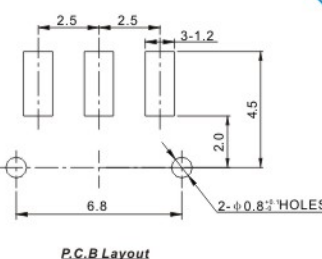
BSL-1280



SPECIFICATION:
 1. Rating: DC 6V 0.3A
 2. Circuit: 1C-2P
 3. Timing: Non-Shorting
 4. Travel: 2 ± 0.1 mm
 5. Operating Force: 200 ± 100 gf
 6. Contact Resistance: $70\text{m}\Omega$ Max
 7. Operating Life: 10,000 Cycles



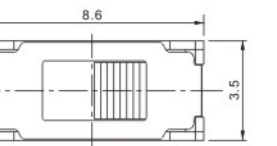
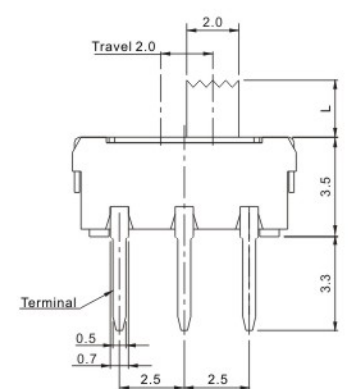
Model No.	Knob L(mm)
BSL-1280A	2.0
BSL-1280B	4.0



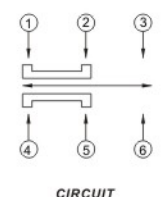
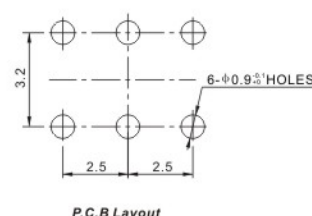
BSL-1250



SPECIFICATION:
 1. Rating: DC 6V 0.3A
 2. Circuit: 1C-2P
 3. Timing: Non-Shorting
 4. Travel: 2 ± 0.1 mm
 5. Operating Force: 200 ± 100 gf
 6. Contact Resistance: $70\text{m}\Omega$ Max
 7. Operating Life: 10,000 cycles



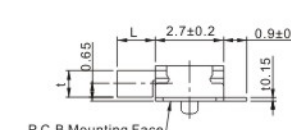
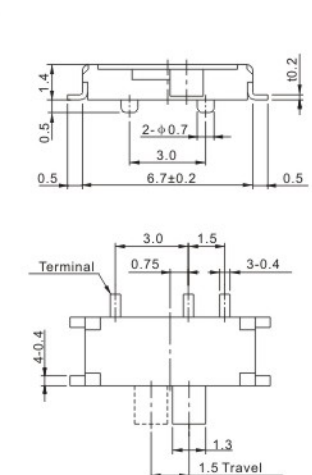
Model No.	Knob L(mm)
BSL-1250	2.0
BSL-1250A	3.0
BSL-1250B	4.4



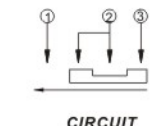
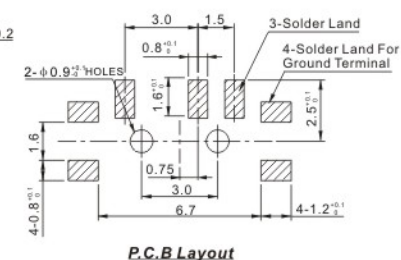
BSL-1290



SPECIFICATION:
 1. Rating: DC 4V 0.3A
 2. Circuit: 1C-2P
 3. Timing: Non-Shorting
 4. Travel: 1.5 ± 0.1 mm
 5. Operating Force: 150 ± 100 gf
 6. Contact Resistance: $70\text{m}\Omega$ Max
 7. Operating Life: 10,000 Cycles



Model	Knob t(mm)	Knob L(mm)
BSL-1290PA	1.1	1.5
BSL-1290PAL	1.1	2.3
BSL-1290PB	0.4	1.5
BSL-1290PC	0.8	1.5

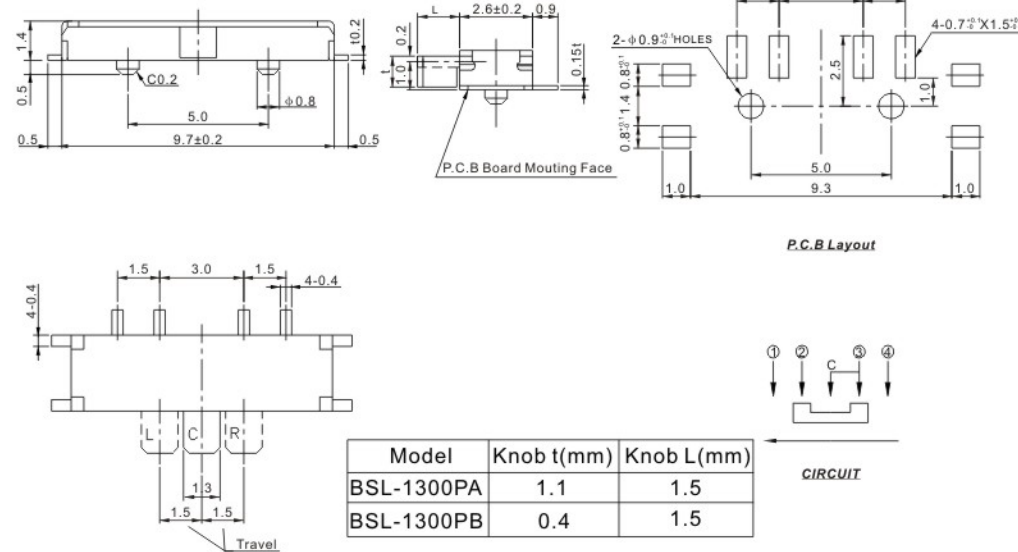


MINI SLIDE SWITCH SERIES

BSL-1300



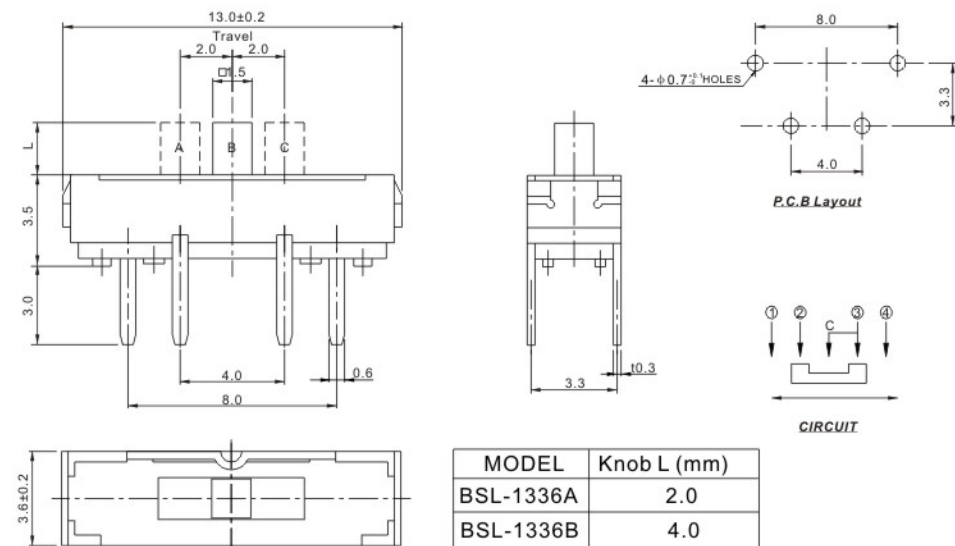
SPECIFICATION:
 1. Rating: DC 4V 0.3A
 2. Circuit: 1C-3P
 3. Contact Resistance: 70mΩ Max
 4. Timing: Non-Shorting
 5. Travel: 1.5+1.5±0.1mm
 6. Operating Force:
 L → C → R: 200±150gf
 L ← C → R: 150±150gf
 7. Operating Life: 10,000 Cycles



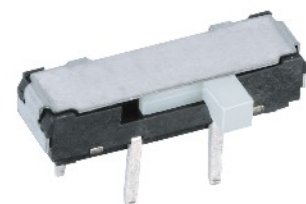
BSL-1336



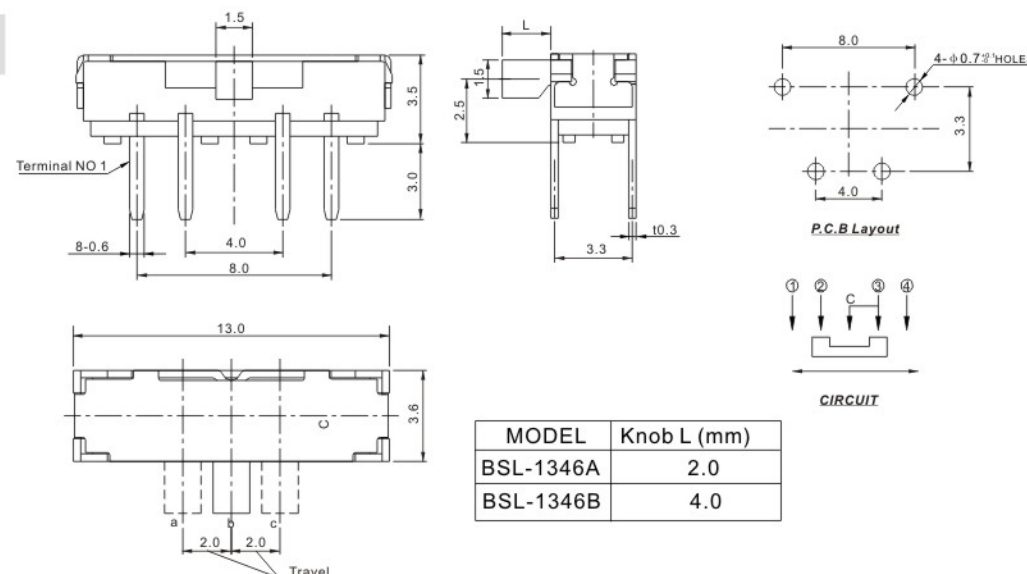
SPECIFICATION:
 1. Rating: DC 6V 0.3A
 2. Circuit: 1C-3P
 3. Contact Resistance: 70mΩ Max
 4. Timing: Non-Shorting
 5. Travel: 2+2±0.1mm
 6. Operating Force:
 A → B → C 250±100gf
 A ← B → C 300±150gf
 7. Operating Life: 10,000 Cycles



BSL-1346

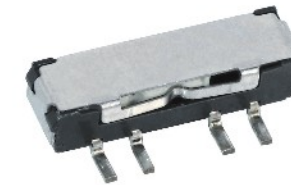


SPECIFICATION:
 1. Rating: DC 6V 0.3A
 2. Circuit: 1C-3P
 3. Contact Resistance: 70mΩ Max
 4. Timing: Non-Shorting
 5. Travel: 2+2±0.1mm
 6. Operating Force:
 A → B → C 250±100gf
 A ← B → C 300±150gf
 7. Operating Life: 10,000 Cycles

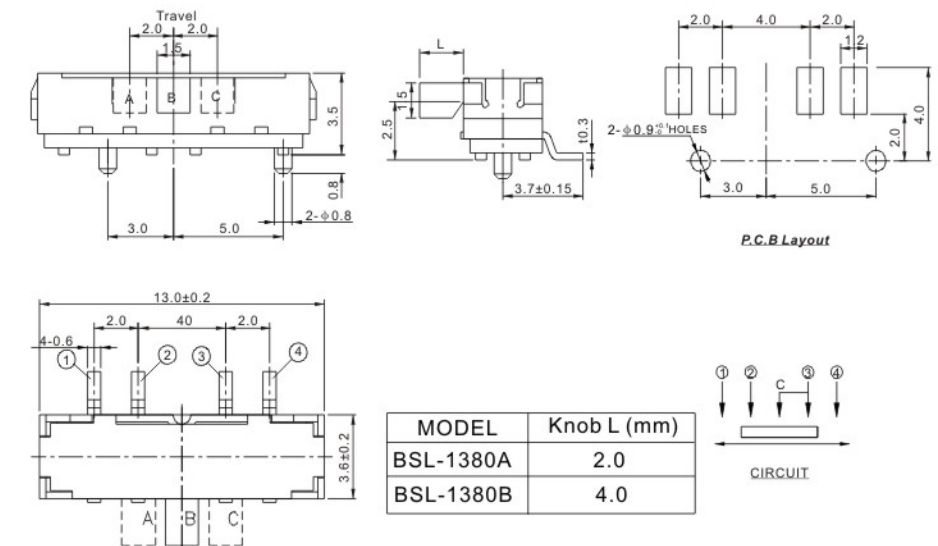


MINI SLIDE SWITCH SERIES

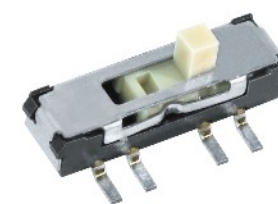
BSL-1380



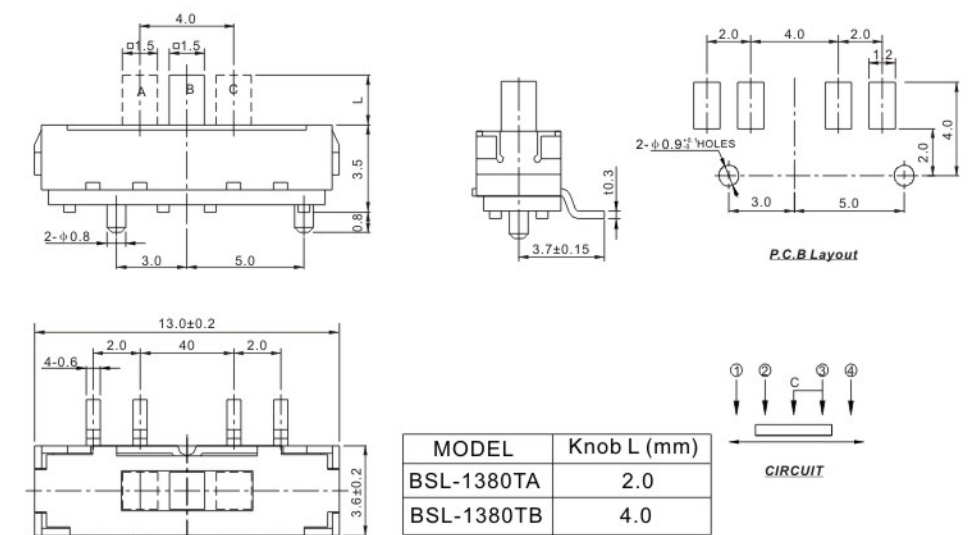
SPECIFICATION:
 1. Rating: DC 6V 0.3A
 2. Circuit: 1C-3P
 3. Timing: Non-Shorting
 4. Travel: 2+2±0.1mm
 5. Operating Force:
 A → B → C 250±100gf
 A ← B → C 300±150gf
 6. Contact Resistance: 70mΩ Max
 7. Operating Life: 10,000 Cycles



BSL-1380T



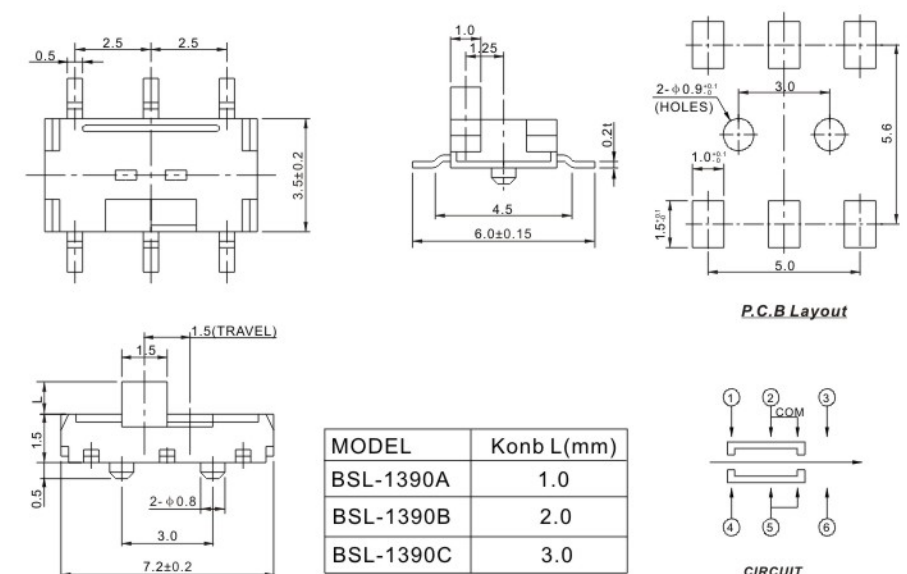
SPECIFICATION:
 1. Rating: DC 6V 0.3A
 2. Circuit: 1C-3P
 3. Timing: Non-Shorting
 4. Travel: 2+2±0.1mm
 5. Operating Force:
 A → B → C 250±100gf
 A ← B → C 300±150gf
 6. Contact Resistance: 70mΩ Max
 7. Operating Life: 10,000 Cycles



BSL-1390

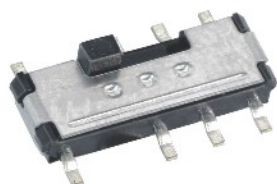


SPECIFICATION:
 1. Rating: DC 4V 0.3A
 2. Circuit: 2C-2P
 3. Timing: Non-Shorting
 4. Travel: 1.5±0.1mm
 5. Operating Force: 200±150gf
 6. Contact Resistance: 70mΩ Max
 7. Operating Life: 10,000 Cycles

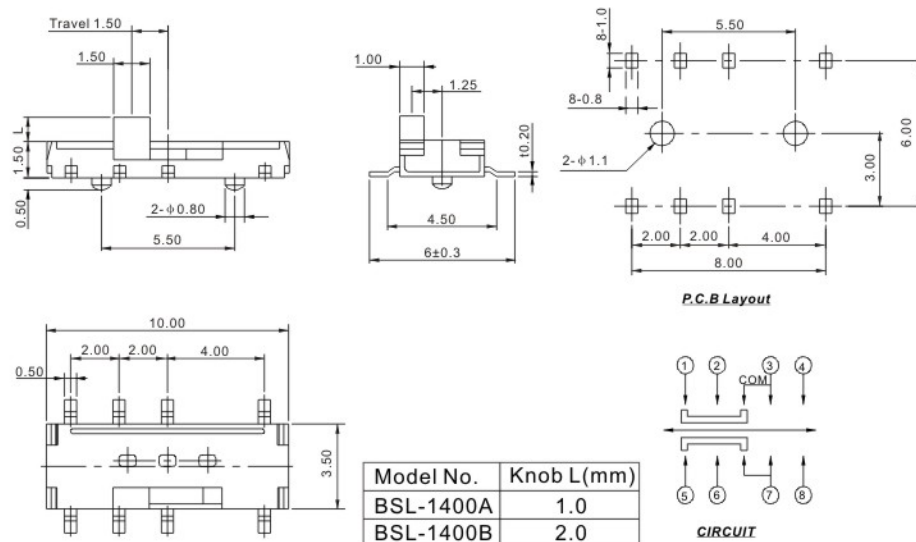


MINI SLIDE SWITCH SERIES

BSL-1400

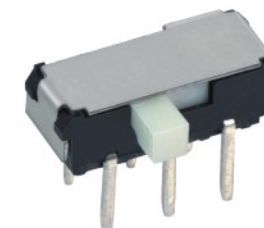


SPECIFICATION:
 1. Rating: DC 6V 0.3A
 2. Circuit: 2C-3P
 3. Timing: Non-Shorting
 4. Travel: 1.5+1.5±0.1mm
 5. Operating Force: (a→b→c) 200±50gf (a→b→c) 250±100gf
 6. Contact Resistance: 70mΩ Max
 7. Operating Life: 5,000 Cycles

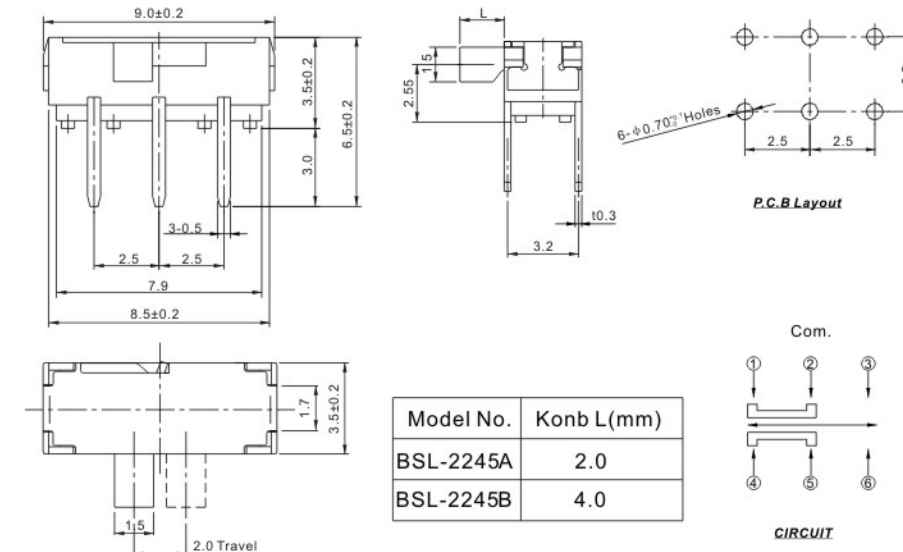


MINI SLIDE SWITCH SERIES

BSL-2245



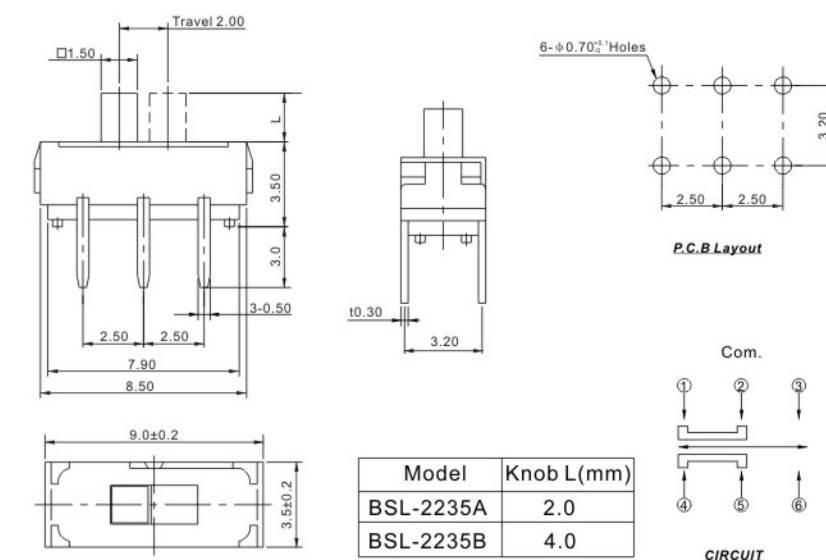
SPECIFICATION:
 1. Rating: DC 6V 0.3A
 2. Circuit: 2C-2P
 3. Timing: Non-Shorting
 4. Travel: 2±0.1mm
 5. Operating Force: 200±100gf
 6. Contact Resistance: 70mΩ Max
 7. Operating Life: 10,000 Cycles



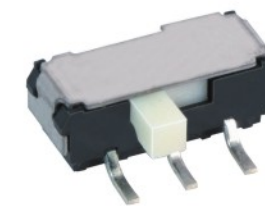
BSL-2235



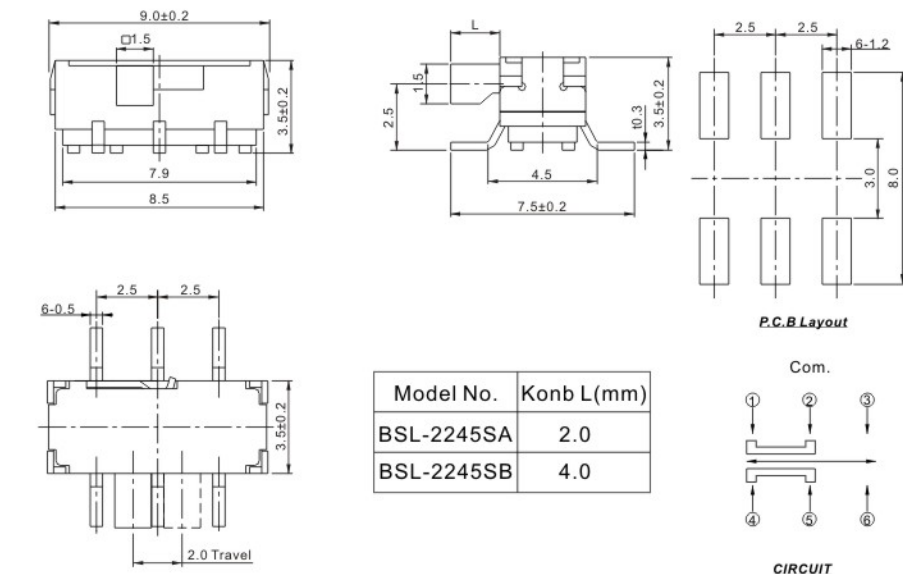
SPECIFICATION:
 1. Rating: DC 6V 0.3A
 2. Circuit: 2C-2P
 3. Contact Resistance: 70mΩ Max
 4. Timing: Non-Shorting
 5. Travel: 2.0±0.1mm
 6. Operating force: 200±100gf
 7. Operating life: 10,000 Cycles



BSL-2245S



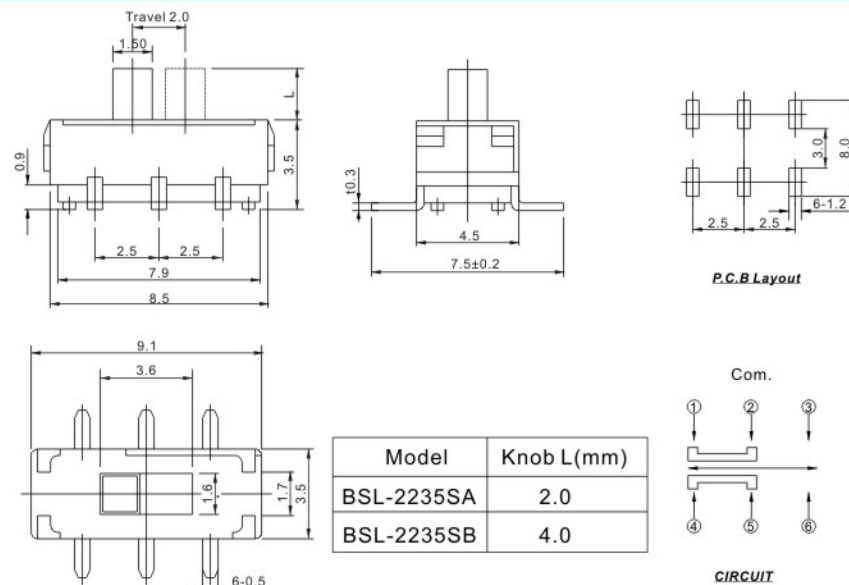
SPECIFICATION:
 1. Rating: DC 6V 0.3A
 2. Circuit: 2C-2P
 3. Timing: Non-Shorting
 4. Travel: 2±0.1mm
 5. Operating Force: 200±100gf
 6. Contact Resistance: 70mΩ Max
 7. Operating Life: 10,000 Cycles



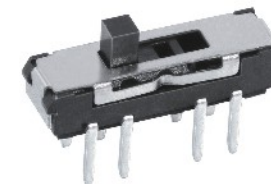
BSL-2235S



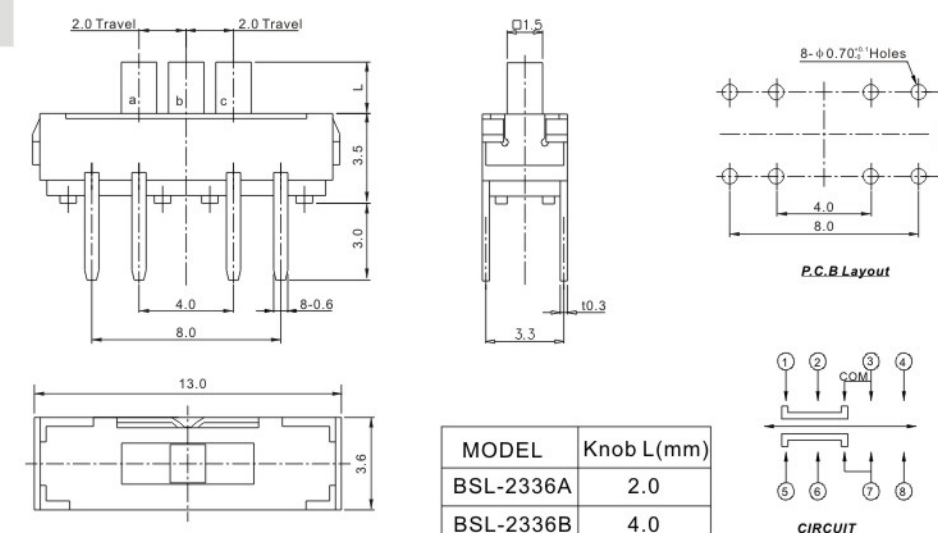
SPECIFICATION:
 1. Rating: DC 6V 0.3A
 2. Circuit: 2C-2P
 3. Contact Resistance: 70mΩ Max
 4. Timing: Non-Shorting
 5. Travel: 2.0±0.1mm
 6. Operating Force: 200±100gf
 7. Operating Life: 10,000 Cycles



BSL-2336

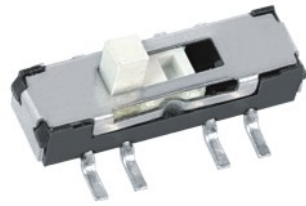


SPECIFICATION:
 1. Rating: DC 6V 0.3A
 2. Circuit: 2C-3P
 3. Timing: Non-Shorting
 4. Travel: 2+2±0.1mm
 5. Operating Force: (a→b→c) 250±100gf (a→b→c) 300±150gf
 6. Contact Resistance: 70mΩ Max
 7. Operating Life: 10,000 Cycles

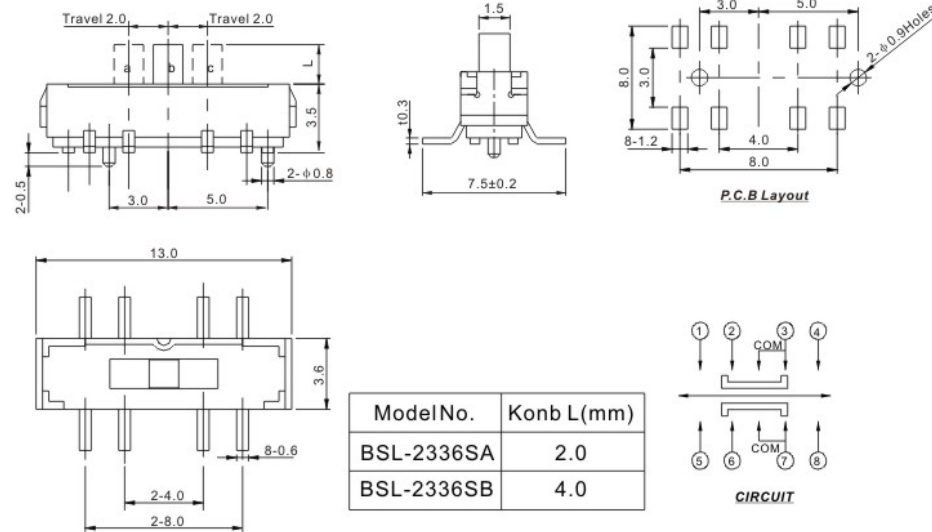


MINI SLIDE SWITCH SERIES

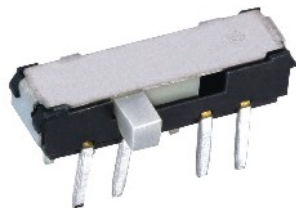
BSL-2336S



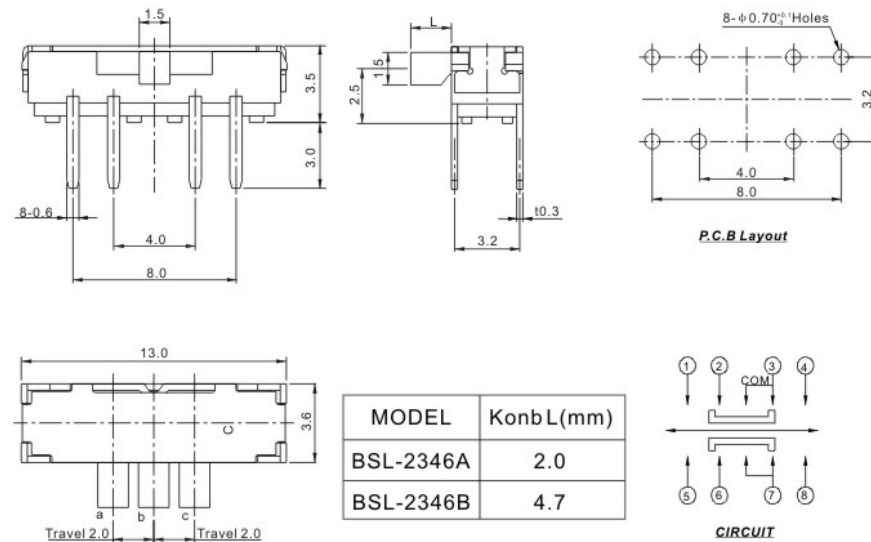
SPECIFICATION:
 1. Rating: DC 6V 0.3A
 2. Circuit: 2C-3P
 3. Timing: Non-Shorting
 4. Travel: 2 ± 0.1 mm
 5. Operating Force:
 (a→b→c) 250 ± 100 gf
 (a←b←c) 300 ± 150 gf
 6. Contact Resistance: $70\text{m}\Omega$ Max
 7. Operating Life: 10,000 Cycles



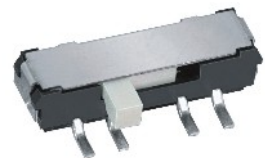
BSL-2346



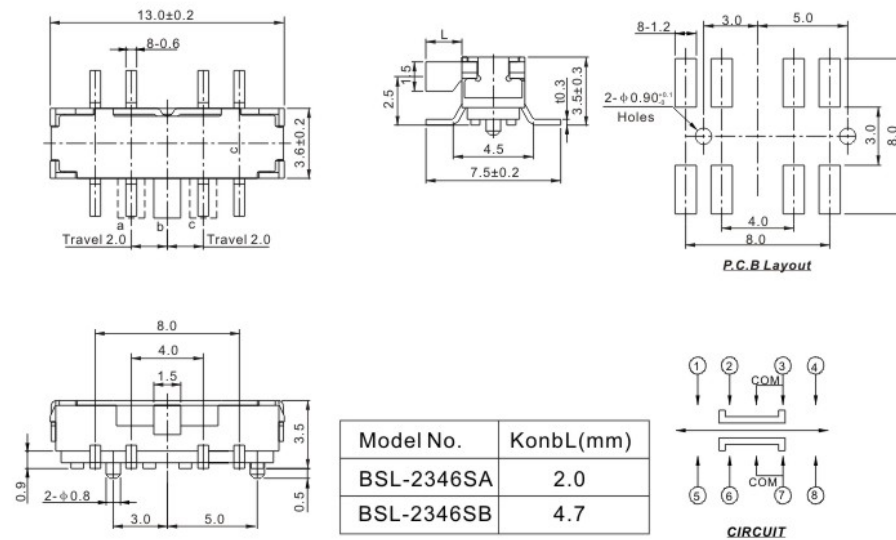
SPECIFICATION:
 1. Rating: DC 6V 0.3A
 2. Circuit: 2C-3P
 3. Timing: Non-Shorting
 4. Travel: 2 ± 0.1 mm
 5. Operating Force:
 (a→b→c) 250 ± 100 gf
 (a←b←c) 300 ± 150 gf
 6. Contact Resistance: $70\text{m}\Omega$ Max
 7. Operating Life: 10,000 Cycles



BSL-2346S

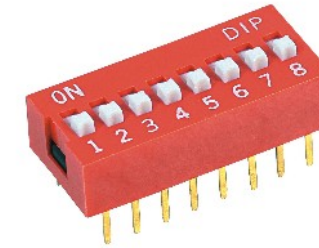


SPECIFICATIONS:
 1. Rating: DC 6V 0.3A
 2. Circuit: 2C-3P
 3. Timing: Non-Shorting
 4. Travel: 2 ± 0.1 mm
 5. Contact Resistance: $70\text{m}\Omega$ max
 6. Operating Life: 10,000 Cycles
 7. Operating Force:
 (a→b→c) 250 ± 100 gf
 (a←b←c) 300 ± 150 gf

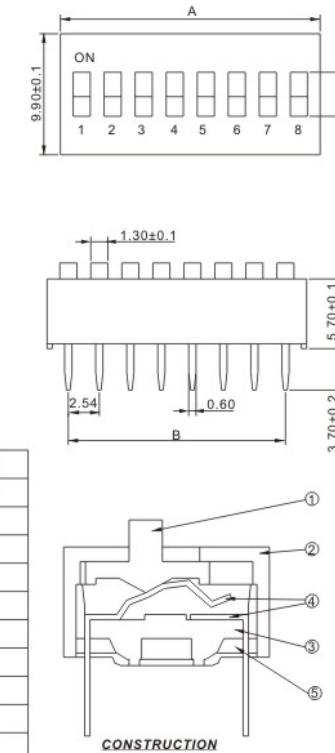


DIP SWITCH SERIES

BDS-DS(R)



Prod NO.	No. of POS	DIM. A	DIM. B
DS/DSR-01	01	3.84	—
DS/DSR-02	02	6.08	2.54
DS/DSR-03	03	8.92	5.08
DS/DSR-04	04	11.16	7.62
DS/DSR-05	05	13.70	10.16
DS/DSR-06	06	16.24	12.70
DS/DSR-07	07	19.08	15.24
DS/DSR-08	08	21.32	17.78
DS/DSR-09	09	24.16	20.32
DS/DSR-10	10	26.40	22.86
DS/DSR-12	12	31.48	27.94

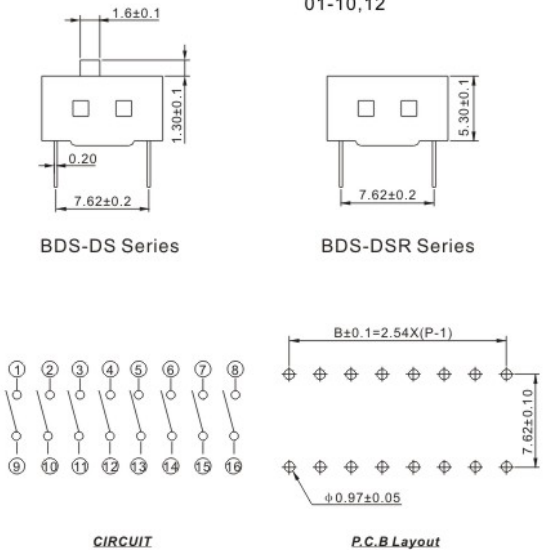


BDS-DS(R)-(XX)-(Color)-R

Actuator:
 (): Raised Actuator
 R: Recessed Actuator

Color of cover:
 BL: Blue
 R: Red
 B: Black

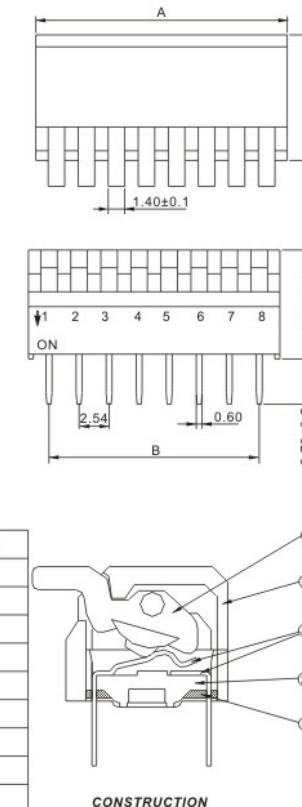
Positions:
 01-10, 12



BDS-DP(L)



Prod NO.	No. of POS	DIM. A	DIM. B
DPL-01	01	4.00	0
DP/DPL-02	02	6.08	2.54
DP/DPL-03	03	8.92	5.08
DP/DPL-04	04	11.16	7.62
DP/DPL-05	05	13.70	10.16
DP/DPL-06	06	16.24	12.70
DP/DPL-07	07	19.08	15.24
DP/DPL-08	08	21.32	17.78
DP/DPL-09	09	24.16	20.32
DP/DPL-10	10	26.40	22.86
DP/DPL-12	12	31.48	27.94

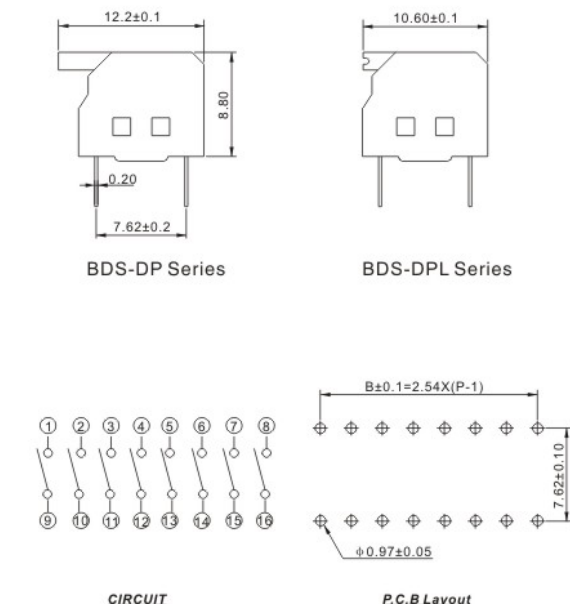


BDS-DP(L)-(XX)-(Color)-R

Key:
 (): Short Key
 L: Long Key

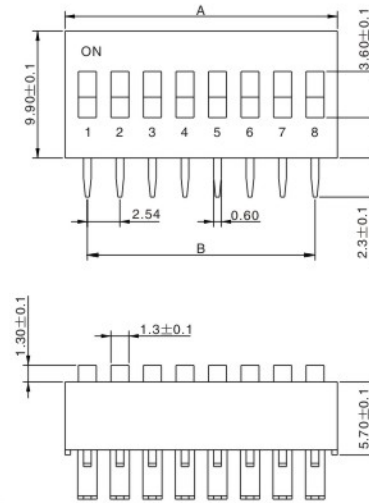
Positions:
 01-10, 12

Color of cover:
 BL: Blue
 R: Red
 B: Black



DIP SWITCH SERIES

BDS-DA(R)

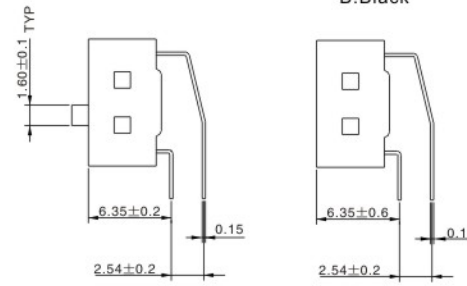


BDS-DA(R)-(XX)-(Color)-R-V

Key:
(): Long Key
R: Short Key

Positions:
02-10, 12

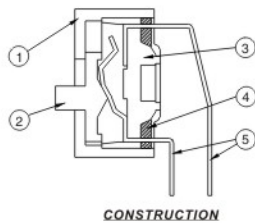
Color of cover:
BL: Blue
R: Red
B: Black



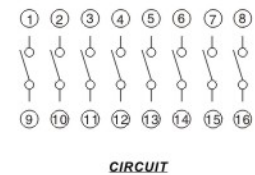
BDS-DA Series

BDS-DA(R) Series

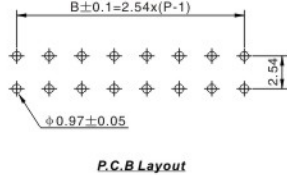
Prod.No.	No. of POS	DIM. A	DIM. B
DA/DAR-02	02	6.02	2.54
DA/DAR-03	03	8.92	5.08
DA/DAR-04	04	11.16	7.62
DA/DAR-05	05	13.70	10.16
DA/DAR-06	06	16.24	12.70
DA/DAR-07	07	19.08	15.24
DA/DAR-08	08	21.32	17.78
DA/DAR-09	09	24.16	20.32
DA/DAR-10	10	26.40	22.86
DA/DAR-12	12	31.48	27.94



CONSTRUCTION

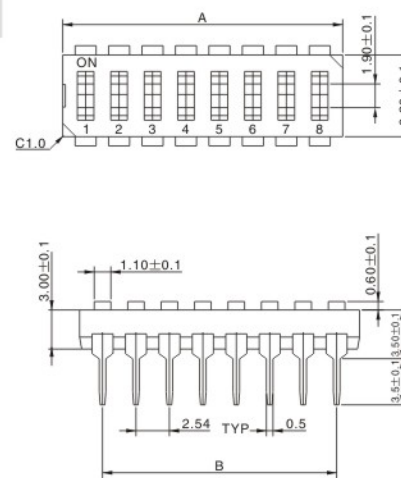


CIRCUIT



P.C.B Layout

BDS-NDI(R)



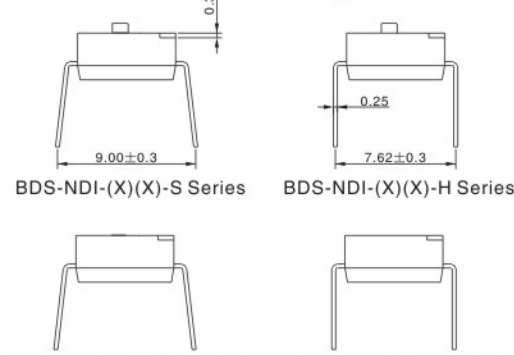
BDS-NDI(R)-(XX)(T)(S/H)-R-V

Key:
(): Long Key
R: Short Key

Positions:
02-10, 12

Terminal Type:
S: Splay Terminal
H: Straight Terminal

(): Regular
T: Top tape sealed



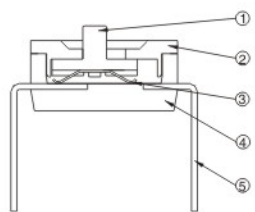
BDS-NDI-(X)(X)-S Series

BDS-NDI-(X)(X)-H Series

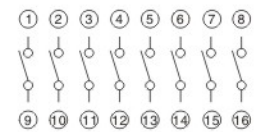
BDS-NDIR-(X)(X)-S Series

BDS-NDIR-(X)(X)-H Series

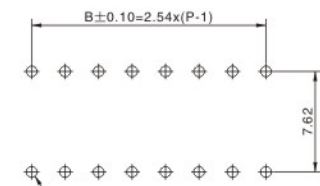
Prod.No.	No. of POS	DIM. A	DIM. B
NDI/NDIR-02	02	6.02	2.54
NDI/NDIR-03	03	8.56	5.08
NDI/NDIR-04	04	11.10	7.62
NDI/NDIR-05	05	13.64	10.16
NDI/NDIR-06	06	16.18	12.70
NDI/NDIR-07	07	18.72	15.24
NDI/NDIR-08	08	21.26	17.78
NDI/NDIR-09	09	23.80	20.32
NDI/NDIR-10	10	26.34	22.86
NDI/NDIR-12	12	31.42	27.94



CONSTRUCTION



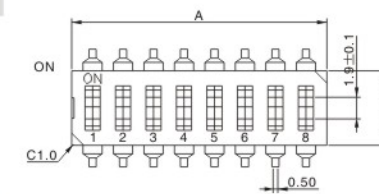
CIRCUIT



P.C.B Layout

DIP SWITCH SERIES

BDS-DM(R)



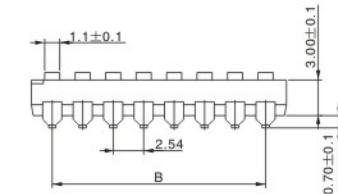
BDS-DM(R)-(XX)(T)-R(X)-V

Actuator Type:
(): Raised Actuator
R: Recessed Actuator

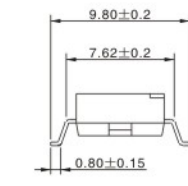
Positions:
02-10, 12 Position

Package:
(): Tube
RP: Reel

(): Regular
T: Top tape sealed

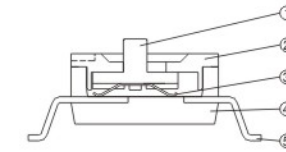


BDS-DMR Series

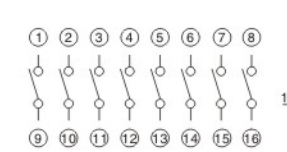


BDS-DM Series

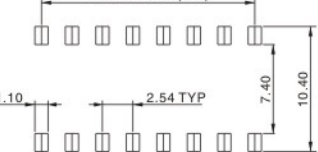
Prod. No.	No. of pos	DIM. A	DIM. B
DM/DMR-02	02	6.02	2.54
DM/DMR-03	03	8.56	5.08
DM/DMR-04	04	11.10	7.62
DM/DMR-05	05	13.64	10.16
DM/DMR-06	06	16.18	12.70
DM/DMR-07	07	18.72	15.24
DM/DMR-08	08	21.26	17.78
DM/DMR-09	09	23.80	20.32
DM/DMR-10	10	26.34	22.86
DM/DMR-12	12	31.42	27.94



CONSTRUCTION

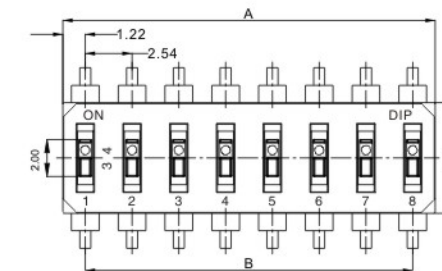
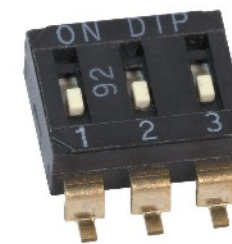


CIRCUIT



P.C.B Layout

BDS-EM(R)



BDS-EM(R)-(XX)(T)-(X)-V

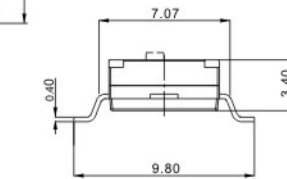
M: S.M.T.

Actuator Type:
(): Raised Actuator
R: Recessed Actuator

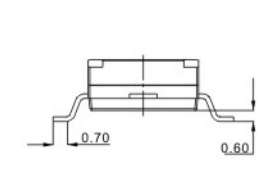
Positions:
01~10, 12

Package:
(): Tube
RP: Reel

(): Regular
T: Top Tape Sealed

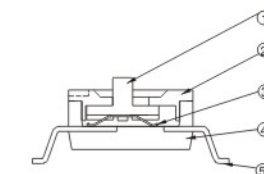


BDS-EM Series

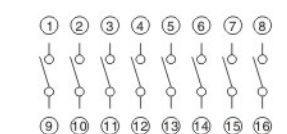


BDS-EMR Series

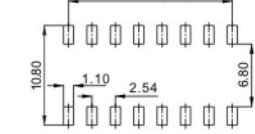
PROD. NO.	NO. OF POS.	DIM. A	DIM. B
EM/EMR-01	1	2.44	
EM/EMR-02	2	4.98	2.54
EM/EMR-03	3	7.52	5.08
EM/EMR-04	4	10.06	7.62
EM/EMR-05	5	12.60	10.16
EM/EMR-06	6	15.14	12.70
EM/EMR-07	7	17.68	15.24
EM/EMR-08	8	20.22	17.78
EM/EMR-09	9	22.76	20.32
EM/EMR-10	10	25.30	22.86
EM/EMR-12	12	30.38	27.94



CONSTRUCTION



CIRCUIT

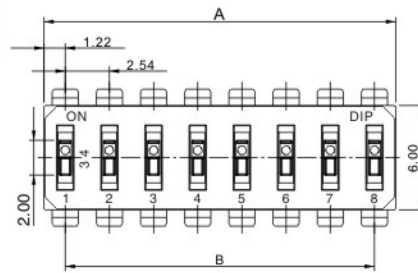
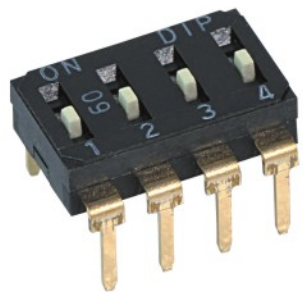


P.C.B Layout

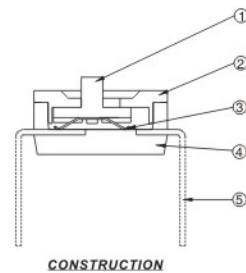
DIP SWITCH SERIES

DIP SWITCH SERIES

BDS-EI(R) BDS-ES(R)

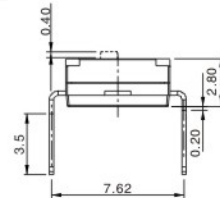


PROD.NO.	NO.OF POS.	DIM.A	DIM.B
EI-01 ES-01	1	2.44	
EIR-01 ESR-01	1	2.44	
EI-02 ES-02	2	4.98	2.54
EIR-02 ESR-02	2	4.98	2.54
EI-03 ES-03	3	7.52	5.08
EIR-03 ESR-03	3	7.52	5.08
EI-04 ES-04	4	10.06	7.62
EIR-04 ESR-04	4	10.06	7.62
EI-05 ES-05	5	12.60	10.16
EIR-05 ESR-05	5	12.60	10.16
EI-06 ES-06	6	15.14	12.70
EIR-06 ESR-06	6	15.14	12.70
EI-07 ES-07	7	17.68	15.24
EIR-07 ESR-07	7	17.68	15.24
EI-08 ES-08	8	20.22	17.78
EIR-08 ESR-08	8	20.22	17.78
EI-09 ES-09	9	22.76	20.32
EIR-09 ESR-09	9	22.76	20.32
EI-10 ES-10	10	25.30	22.86
EIR-10 ESR-10	10	25.30	22.86
EI-12 ES-12	12	30.38	27.94
EIR-12 ESR-12	12	30.38	27.94

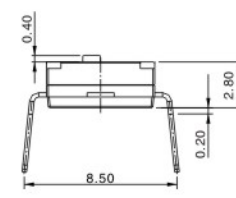


CONSTRUCTION

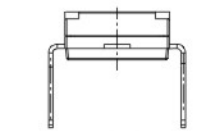
BDS-E(I)(R)-(XX)(T)-V
 S:Through Hole Typr 8.50mm
 I:Through Hole Typr 7.62mm
 Positions: ():Regular
 01~10,12 T:Top Tape Sealed
 Actuator Type:
 ():Raised Actuator
 R:Recessed Actuator



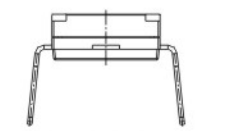
BDS-EI Series



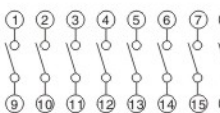
BDS-ES Series



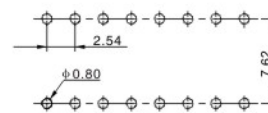
BDS-EIR Series



BDS-ESR Series

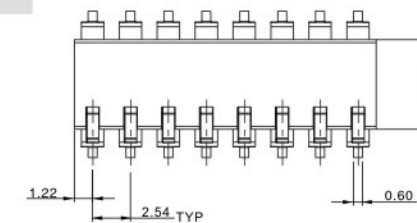


CIRCUIT

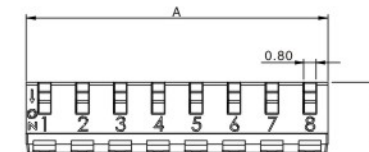


P.C.B Layout

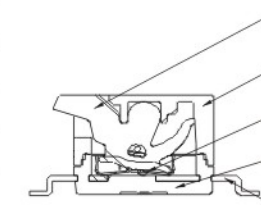
BDS-EPM(R)



PROD.NO.	No.OF POS.	DIM.A	DIM.B
EPM(R)-10-V	10	25.30	22.86
EPM(R)-08-V	8	20.22	17.78
EPM(R)-06-V	6	15.14	12.70
EPM(R)-04-V	4	10.06	7.62
EPM(R)-02-V	2	4.98	2.54

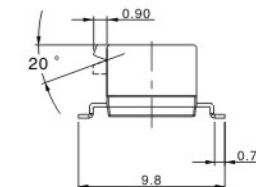


BDS-EPM Series

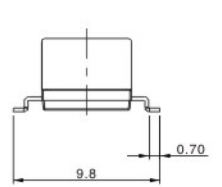


CONSTRUCTION

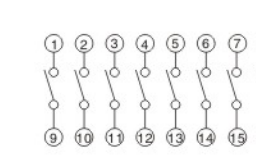
BDS-EPM(R)-(XX) (F)-(RP)-V
 Actuator Type:
 ():Raised Actuator
 R:Recessed Actuator
 Positions: 02,04,06
 08,10
 Package:
 ():Tube
 RP:Reel
 F: Push Down OFF
 ():Push Down ON



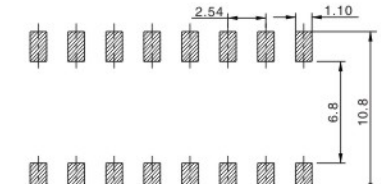
BDS-EPM Series



BDS-EPMR Series

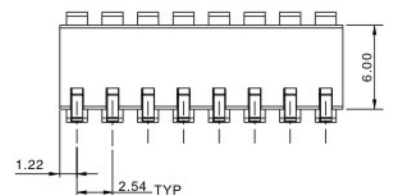
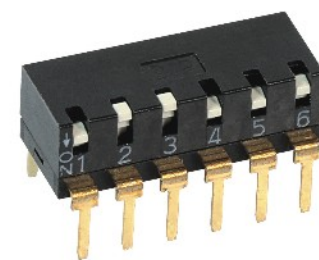


CIRCUIT

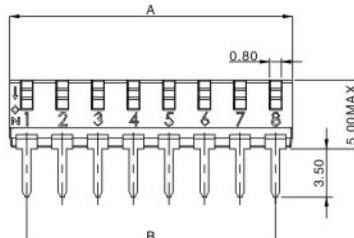


P.C.B Layout

BDS-EPI(R)

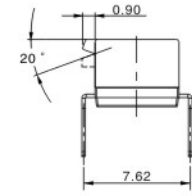


PROD.No.	No.OF POS.	DIM.A	DIM.B
EPI(R)-10-V	10	25.30	22.86
EPI(R)-08-V	8	20.22	17.78
EPI(R)-06-V	6	15.14	12.70
EPI(R)-04-V	4	10.06	7.62
EPI(R)-02-V	2	4.98	2.54

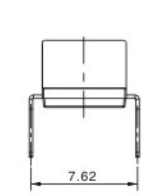


BDS-EPI Series

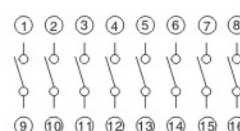
BDS-EPI(R)-(XX)(F)-V
 Actuator Type:
 ():Raised Actuator
 R:Recessed Actuator
 Positions: F=Push Down OFF
 02,04,06 ()=Push Down ON
 08,10



BDS-EPI Series



BDS-EPIR Series

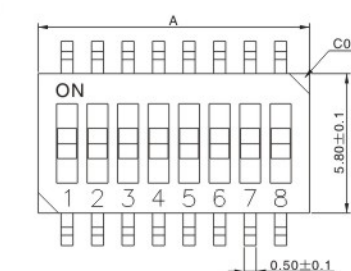


CIRCUIT

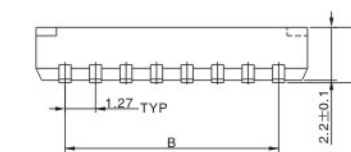


P.C.B Layout

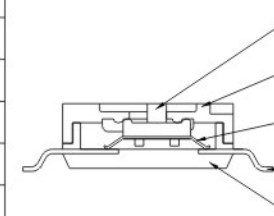
BDS-HRM



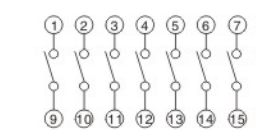
PROD. NO.	NO.OF POS.	DIM.A	DIM.B
HRM-02	2	3.68	1.27
HRM-04	4	6.22	3.81
HRM-06	6	8.76	6.35
HRM-08	8	11.30	8.89
HRM-10	10	13.84	11.43
HRM-12	12	16.38	13.97



BDS-HRM Series

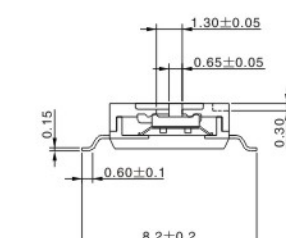


CONSTRUCTION

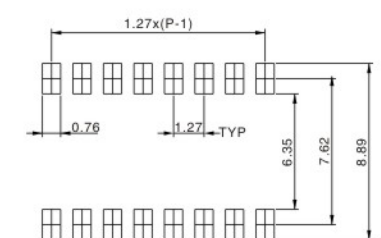


CIRCUIT

BDS-HRM-(XX)(X)-R(X)-V
 Positions: 02,04,06
 08,10,12
 Package:
 TP:Tube
 RP:Tape/Reel
 ():Regular
 T:Top tape sealed



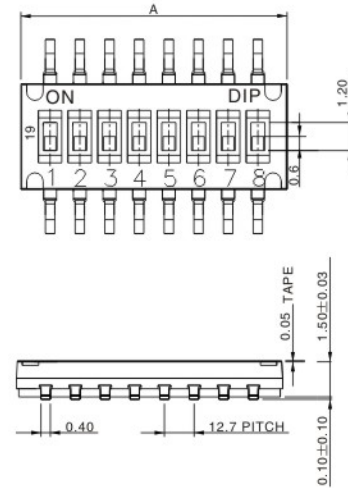
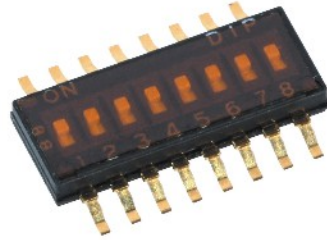
BDS-HRM Series



P.C.B Layout

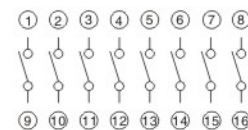
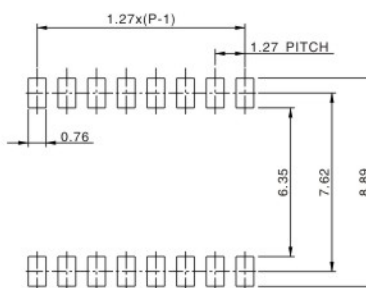
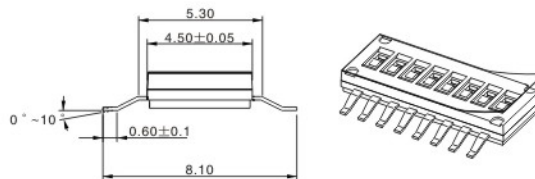
DIP SWITCH SERIES

BDS-DHNF



BDS-DHNF-(XX)F-(T)-()-V

Pin Length 8.1mm
Positions: 02,04,06,08,10
Package: ():Tube, RP:Reel
"OFF" Positions: ():Regular, T:Top Tape Sealed

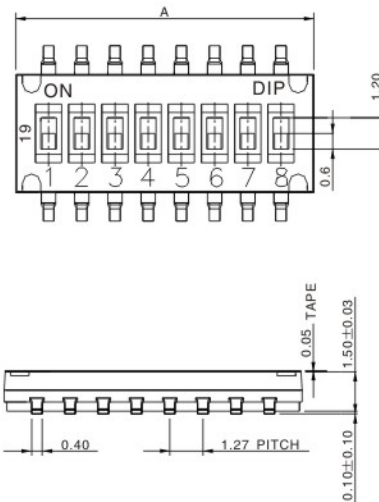
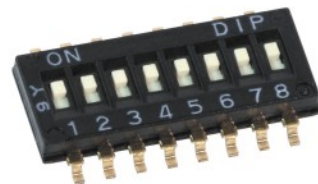


CIRCUIT

P.C.B Layout

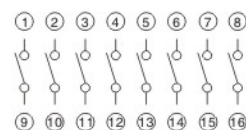
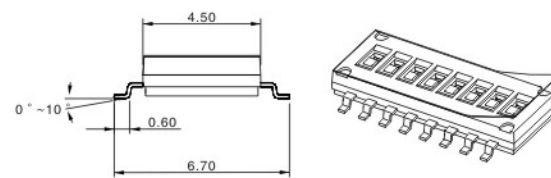
PROD. NO.	NO. OF POS	DIM A
DHNF-02-V	2	3.77
DHNF-04-V	4	6.31
DHNF-06-V	6	8.85
DHNF-08-V	8	11.39
DHNF-10-V	10	13.93

BDS-DNH



BDS-DNH-(XX)F-(T)-()-V

Pin Length 6.7mm
Positions: 02,04,06,08,10
Package: ():Tube, RP:Reel
"OFF" Positions: ():Regular, T:Top Tape Sealed



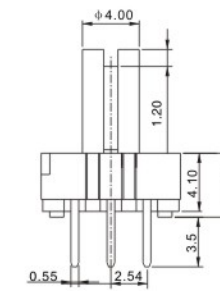
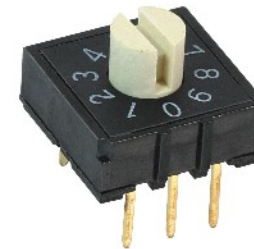
CIRCUIT

P.C.B Layout

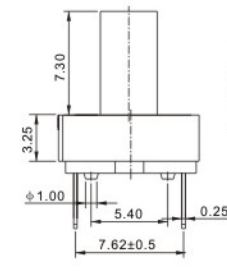
PROD. NO.	NO. OF POS	DIM A
DHN-02-V	2	3.77
DHN-04-V	4	6.31
DHN-06-V	6	8.85
DHN-08-V	8	11.39
DHN-10-V	10	13.93

ROTARY SWITCH SERIES

BRO-RH



BRO-RH2HA-16R-V



BRO-RH2HA-10R-V

BRO-RH2()A-(X)(R)-V

Rotary Dip Switch
H=Through Hole
V=Right Angle
M=S.M.T
S=Kink Pin
Terminals:
4=4*1
3=3*3
2=3*2
□=Recessed Actuator
H=Actuator 7.3mm
M=Actuator 3.2mm
<16Steps Only>
RoHS & Lead Free
Solderable
R=Real Codes
10=10 Steps
16=16 Steps
Terminal: Gold Plating
Over Nickel

5-φ0.90

8

2

7.62

1

C

4

2.54

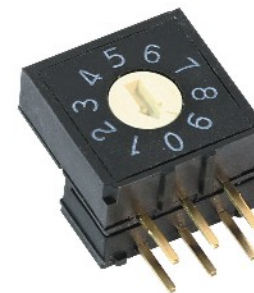
○ ON
● OFF

P.C.B Layout

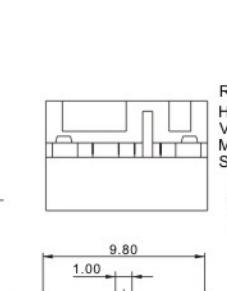
		CODE			
TYPE	POSITION	1	2	4	8
O 10R	0	●	●	●	●
	1	●	●	●	●
	2	○	○	○	○
	3	○	○	○	○
	4	●	●	●	●
	5	○	○	○	○
	6	●	●	●	●
	7	○	○	○	○
	8	●	●	●	●
	9	○	○	○	○
O16R	A	●	○	○	○
	B	○	○	○	○
	C	○	○	○	○
	D	○	●	○	○
	E	●	○	○	○
	F	○	○	○	○

P.C.B Layout

BRO-RV



BRO-RV4A-16R-V



BRO-RV4A-10R-V

BRO-RV4()A-(X)(R)-V

Rotary Dip Switch
H=Through Hole
V=Right Angle
M=S.M.T
S=Kink Pin
Terminals:
4=4*1
3=3*3
2=3*2
□=Recessed Actuator
H=Actuator 7.3mm
M=Actuator 3.2mm
<16Steps Only>
RoHS & Lead Free
Solderable
R=Real Codes
10=10 Steps
16=16 Steps
Terminal: Gold Plating
Over Nickel

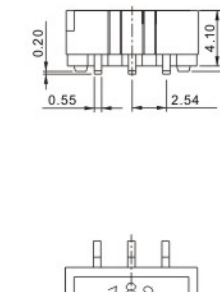
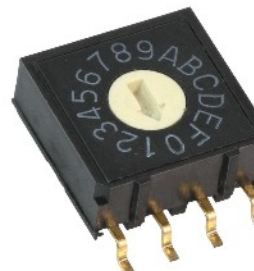
Diagram illustrating the P.C.B Layout. The layout shows a grid of components with dimensions: 7.62 (horizontal spacing), 2.54 (vertical spacing), and 5.00 ± 0.90 (diagonal spacing). The components are represented by circles with a central dot, indicating they are 'ON'.

P.C.B Layout

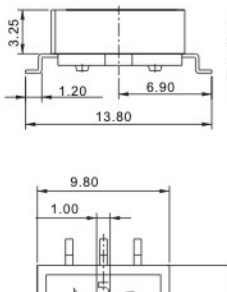
		● ON ● OFF			
TYPE	POSITION	CODE			
		1	2	4	8
O 10R	0	●	●	●	●
	1	●	●	●	●
	2	●	●	●	●
	3	○	○	●	●
	4	●	●	●	●
	5	○	●	○	○
	6	●	●	○	●
	7	○	○	○	●
	8	●	●	○	○
	9	○	○	○	○
O 16R	A	●	○	●	○
	B	○	○	○	○
	C	○	○	○	○
	D	○	●	○	○
	E	●	○	○	○
	F	○	○	○	○
	G	○	○	○	○
	H	○	○	○	○
	I	○	○	○	○
	J	○	○	○	○

P.C.B Layout

BRO-RM



BRO-RM3A-16R-V



BRO-RM3A-10R-V

BRO-RM3()A-(X)(R)-V

Rotary Dip Switch
H=Through Hole
V=Right Angle
M=S.M.T
S=Kink Pin
Terminals:
4=4*1
3=3*3
2=3*2
□=Recessed Actuator
H=Actuator 7.3mm
M=Actuator 3.2mm
<16Steps Only>
RoHS & Lead Free
Solderable
R=Real Codes
10=10 Steps
16=16 Steps
Terminal: Gold Plating
Over Nickel

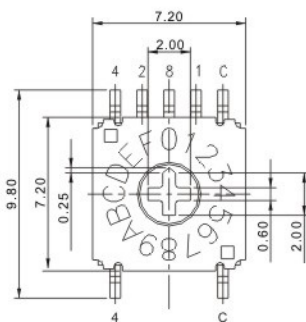
Diagram of a P.C.B. layout showing dimensions and component positions. The layout is rectangular with a total width of 15.4 and a total height of 15.4. There are four components labeled B, C, 2, and 4. Component B is at the top left, C is at the top center, 2 is at the top right, and 4 is at the bottom right. Dimensions are given in inches: 1.00, 2.54, 4.90, 5.10, and 2.70. A legend indicates that a solid circle represents 'ON' and an open circle represents 'OFF'.

P.C.B. Layout

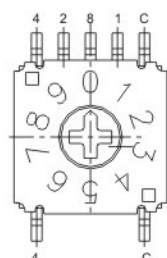
		CODE			
TYPE	POSITION	1	2	4	8
		●	●	●	●
O 10R	0	●	●	●	●
	1	●	●	●	●
	2	●	●	●	●
	3	●	●	●	●
	4	●	●	●	●
	5	●	●	●	●
	6	●	●	●	●
	7	●	●	●	●
	8	●	●	●	●
	9	●	●	●	●
O 16R	A	●	●	●	●
	B	●	●	●	●
	C	●	●	●	●
	D	●	●	●	●
	E	●	●	●	●

P.C.B Layout

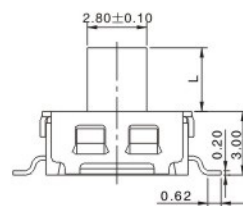
BRO-R7M



BRO-R7M4 10R

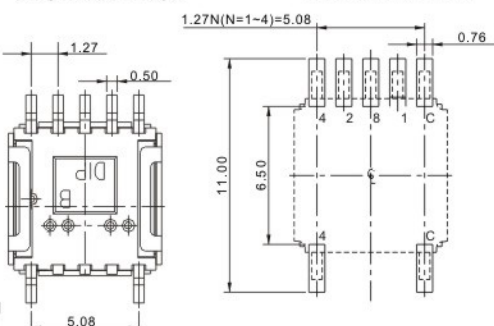


BRO-R7M4 16R



BRO-R7M4()-()RA()-()

Rotary 7*7mm
M: S.M.T
V: ROHS & Lead Free Solderable
□: Without ground terminal
G: With Ground Terminal (S.M.T Only)
A: Cross-head Actuator
B: Flat-head Actuator
H: High Actuator
Real Codes
10: 10 Steps
16: 16 Steps
Terminals:
3: 3*3
4: 4*1
(To be available)

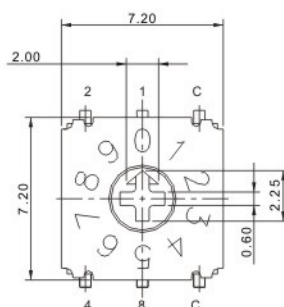


NAME	L
BRO-R7M4-10RAG-V	0
BRO-R7M4-16RAG-V	0
BRO-R7M4H-10RAG-V	3.00
BRO-R7M4H-16RAG-V	3.00

CIRCUIT CHART

		○ ON ● OFF			
TYPE	POSITION	CODE			
	□□□	1	2	4	8
10 STEP	0	●	●	●	●
	1	○	●	●	●
	2	●	○	●	●
	3	○	○	●	●
	4	●	●	○	●
	5	○	●	○	●
	6	●	○	○	●
	7	○	○	○	●
	8	●	●	●	○
	9	○	●	●	○
16 STEP	A	●	○	●	○
	B	○	○	●	○
	C	●	●	○	○
	D	○	○	○	○
	E	●	○	○	○
	F	○	○	○	○

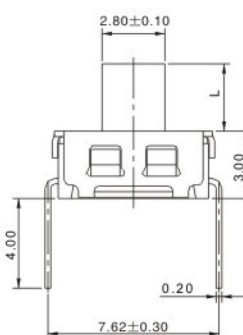
BRO-R7H



BRO-R7H3H-10R

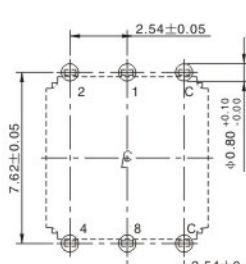
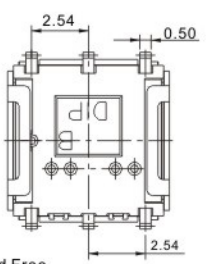


BRO-R7H3H-16R



BRO-R7H3()-()RA()-()

Rotary 7*7mm
H: Through Hole
V: ROHS & Lead Free Solderable
□: Without ground terminal
G: With Ground Terminal (S.M.T Only)
A: Cross-head Actuator
B: Flat-head Actuator
H: High Actuator
Real Codes
10: 10 Steps
16: 16 Steps
Terminals:
3: 3*3
4: 4*1
(To be available)



NAME	L
BRO-R7H3-10RA-V	0
BRO-R7H3-16RA-V	0
BRO-R7H3H-10RA-V	3.00
BRO-R7H3H-16RA-V	3.00

CIRCUIT CHART

		○ ON ● OFF			
TYPE	POSITION	CODE			
	□ □ □	1	2	4	8
10 STEP	0	●	●	●	●
	1	○	●	●	●
	2	●	○	●	●
	3	○	○	●	●
	4	●	●	○	●
	5	○	●	○	●
	6	●	○	○	●
	7	○	○	○	●
	8	●	●	●	○
	9	○	●	●	○
16 STEP	A	●	○	●	○
	B	○	○	●	○
	C	●	●	○	○
	D	○	●	○	○
	E	●	○	○	○
	F	○	○	○	○

◆ 動作靈敏的超小型開關 Action sensitive subminiature switch

MICRO SWITCH 微動開關
料號編碼原則



BDM

Rating: 額定值

□: 3(0.5)A 250V/3A125VAC
C: 1(0.5)A 250V/1A125VAC
D: 0.5(0.2)A 250VAC/0.5A125VAC
E: 0.3(0.1)A 250VAC/0.3A125VAC
F: 0.1(0.05)A 250VAC/0.1A125VAC

Circuit: 接觸形式

Z: 轉換式 SPDT
T: 常開(按通)式 SPST-ON
D: 常閉(按斷)式 SPST-NC

Actuator forms: 驅動形式

0: 無動臂 No lever
1: 短動臂 Short lever
2: 長動臂 Long lever
3: 中動臂 Middle lever
5: 滾輪臂 Roller
6: 長弧形動臂 Long arc lever
8: 短弧形動臂 Short arc lever
□: 非標準動臂 Not standard lever

Terminal types: 端子類型

F: 焊接端子 Solder terminal
G: 長焊接端子 Long solder terminal
P: PCB端子 PCB terminal
L: 左側面PCB端子 Left side PCB terminal
R: 右側面PCB端子 Right side PCB terminal
S: 自固定PCB端子 Self-clinching PCB terminal
Y: 非標準端子 Not standard terminal

附加規格編號:

1. 當開關使用了非標準零件如非標準端子等時;
2. 當顧客有特殊動作特性值或其它要求時。
附加規格編號用阿拉伯數字表示, 在沒有附加規格編號時, 該位置空缺。

Operating force: 動作力

045: 45gf
075: 75gf
150: 150gf
250: 250gf

■ 超小型, 大電流。具有微小觸點間隙, 快速動作、高靈敏和微小動作行程的特點。
Mini-type, big current. Characteristic: small contact gap, quick action, high sensitivity and small operating travel

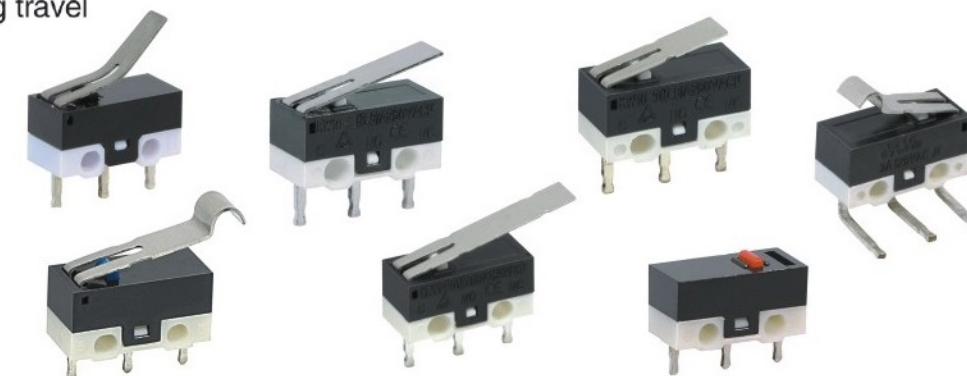
■ 長壽命
Long life

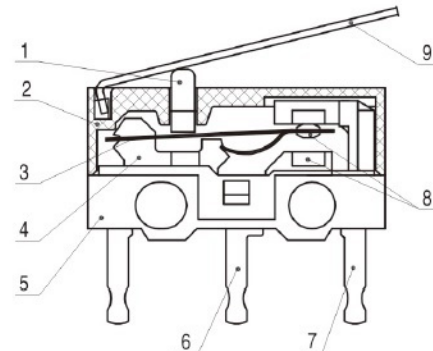
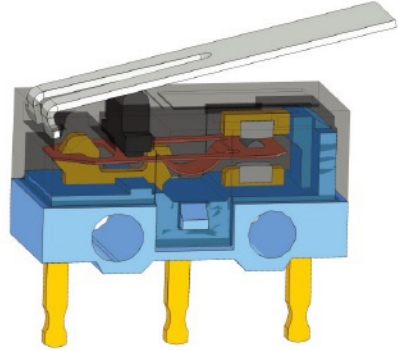
■ 多種接線端子

A variety of contact terminals

■ 多種形式動臂

A variety of levers





- | | |
|------------|--------------|
| 1: 開關子(按鈕) | Plunger |
| 2: 蓋 | Cover |
| 3: 可動片 | Moving piece |
| 4: 支架 | Support |
| 5: 基座 | Case |
| 6: 常開端子 | NO terminal |
| 7: 常閉端子 | NC terminal |
| 8: 電觸點 | Contact |
| 9: 動臂 | Moving arm |

接線端尺寸 Terminal dimensions

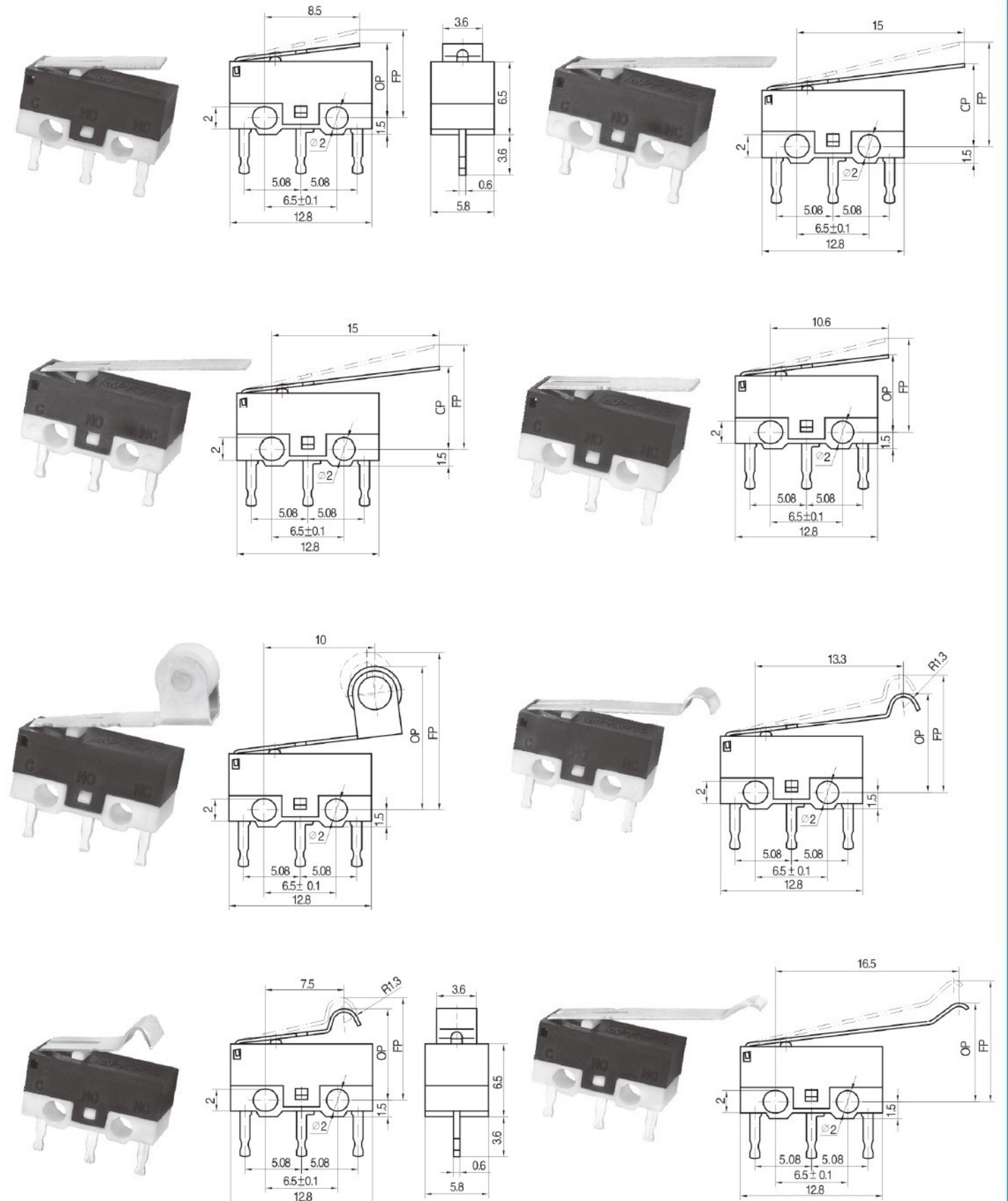
PCB端子 PCB Terminal	長焊接端子 Long solder terminal	自固定PCB端子 Self-clinching PCB terminal	
公共端 Common terminal 常開端 NO terminal 常閉端 NC terminal			
左側面PCB端子 Left side PCB terminal	右側面PCB端子 Right side PCB terminal	焊接端子 Solder terminal	焊接小型端子 Minitype solder terminal

安裝孔尺寸圖 Mounting hole dimensions

PCB端子 PCB Terminal	左側面PCB端子 Left side PCB terminal	右側面PCB端子 Right side PCB terminal

接觸形式說明圖 Circuit illustration

轉換式SPDT	常開(按通)式SPST-NO	常閉(按斷)式SPST-NC





接線端尺寸 Terminal dimensions

PCB端子 PCB Terminal 公共端 Common terminal 常開端 NO terminal 常閉端 NC terminal	長焊接端子 Long solder terminal	自固定PCB端子 Self-clinching PCB terminal	
左側面PCB端子 Left side PCB terminal	右側面PCB端子 Right side PCB terminal	焊接端子 Solder terminal	焊接小型端子 Minitype solder terminal

安裝孔尺寸圖 Mounting hole dimensions

PCB端子 PCB Terminal	左側面PCB端子 Left side PCB terminal	右側面PCB端子 Right side PCB terminal

接觸形式說明圖 Circuit illustration

轉換式SPDT	常開(按通)式SPST-NO	常閉(按斷)式SPST-NC

安全可靠的小型開關 Safe, reliable miniature switch

MICRO SWITCH微動開關
料號編碼原則



BSM

Spring Type:彈簧形式
無標記No mark:
簧片Spring(此系列只有5A)
S:拉簧 Pull Spring

Rating:額定值
無標記No mark:
5A 250VAC/125VAC
A:10A 250VAC

Circuit:接觸形式
Z:轉換式 SPDT
T:常開(按通)式 SPST-NO
D:常閉(按斷)式 SPST-NC

Actuator forms:驅動形式
0:無動臂No lever
1:短動臂Short lever
2:長動臂Long lever
3:中動臂Middle lever
5:滾動臂Roller
6:弧形動臂Arc lever
□:非標準動臂Not standard lever
注:□表示非標準動臂的代號, 詳見動臂尺寸圖。

附加規格編號和外殼顏色代號, 適用於:
1.當開關使用了非標準零件如非標準端子等時;
2.當顧客有特殊動作特性值或其它要求時。
附加規格編號用阿拉伯數字表示, 在沒有附加規格編號時, 該位置空缺。

Plunger specs:按鈕規格
簧片系列
無標記:標準按鈕(1.7mm)
A: 短按鈕(1.2mm)
D: 異形按鈕(3mm)
拉簧系列
無標記:標準按鈕(1.5mm)
A: 短按鈕(1.3mm)
B: 長按鈕(3mm)
D: 異形按鈕(3.9mm)

Operating force:動作力
100:100gf
150:150gf
200:200gf
300:300gf
注: 若是非動作動作力, 用此動作力上限值表示。

Terminal types:端子類型
F:焊接端子Solder terminal
P:PCB端子PCB terminal
L:左側面PCB端子Left side PCB terminal
R:右側面PCB端子Right side PCB terminal
T:110快接端子Quick-connect terminal
Y:非標準端子Not standard terminal

■ 長壽命, 高可靠。
Long life, high reliability.

■ 接線端子種類齊全
A variety of contact terminals

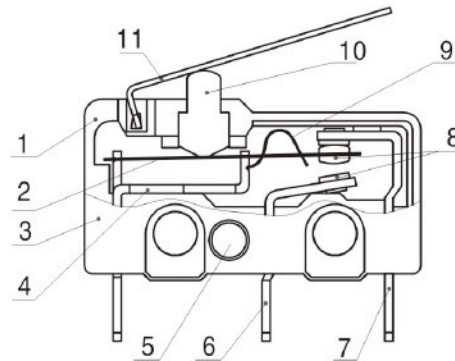
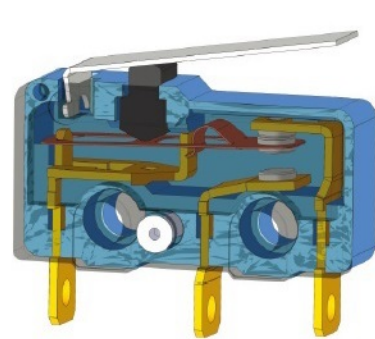
■ 配備各種形式動臂
A variety of levers

■ 採用熱固性或熱塑性塑料外殼
Adopt thermosetting plastic or thermoplastic

■ 結構緊湊。具有微小觸點間隙, 快速動作、高靈敏和微小動作行程的特點。
Nice appearance, tight configuration. Characteristic: small contact gap, quick action, high sensitivity and small operating travel.

Our company can according to customer's custom mold.

可根據客戶要求開模訂製



- | | |
|------------|-------------------|
| 1 基座 | Case |
| 2 可動片 | Moving piece |
| 3 蓋 | Cover |
| 4 支架 | Support |
| 5 鉚釘 | Rivet |
| 6 常開端子 | NO terminal |
| 7 常閉端子 | NC terminal |
| 8 電觸點 | Contact |
| 9 簧片 | Spring |
| 10 開關子(按鈕) | Plunger |
| 11 動臂(杠杆) | Moving arm(Lever) |



按鈕規格說明圖 Plunger spec illustration(拉簧系列)

無標記:	A	D

按鈕規格說明圖 Plunger spec illustration(簧片系列)

無標記:	A	B	D

接線端尺寸 Terminal dimensions

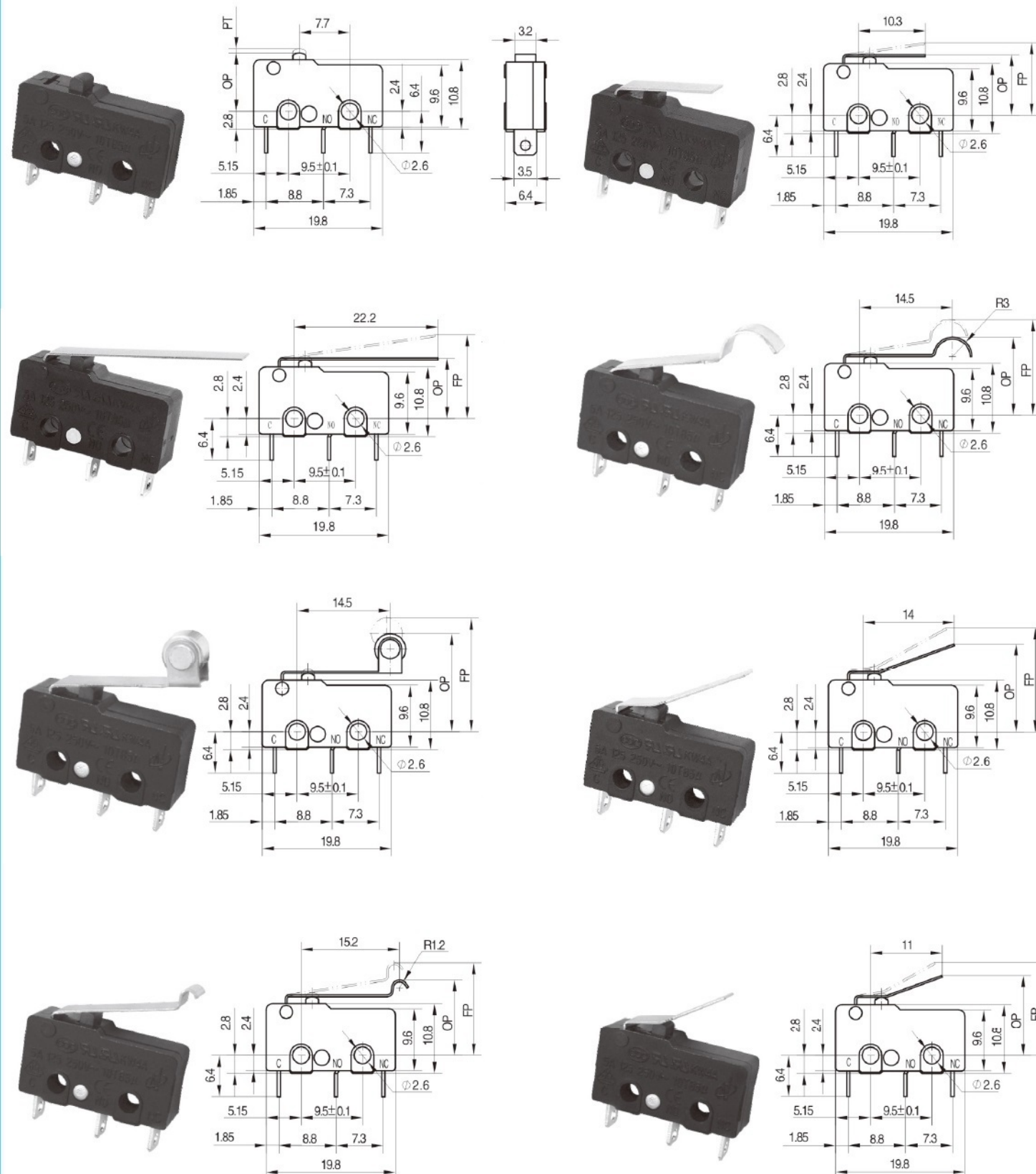
焊接端子 Solder Terminal	快接端子#110 Quick connect terminal #110	PCB端子 PCB terminal
公共端 Common terminal	常開端 NO terminal	常閉端 NC terminal
左側面PCB端子 Left side PCB terminal	右側面PCB端子 Right side PCB terminal	

安裝孔尺寸圖 Mounting hole dimensions

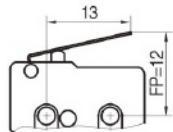
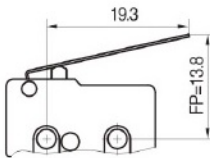
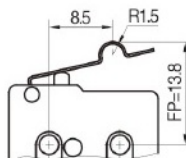
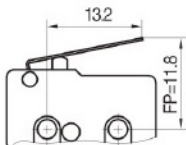
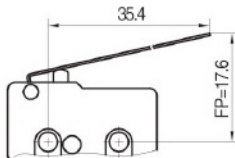
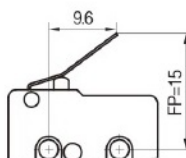
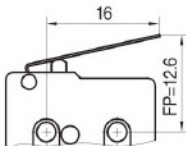
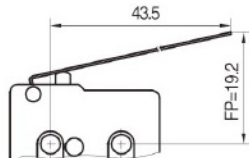
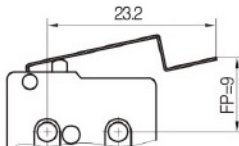
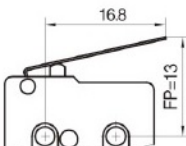
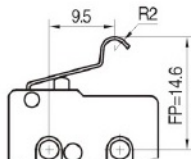
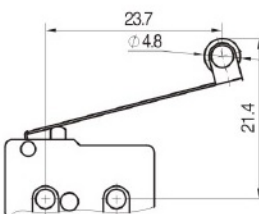
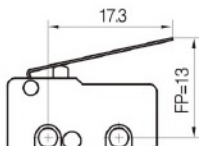
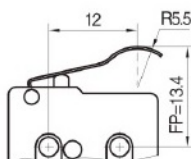
2- ϕ 2.6或2-M2.3	PCB端子 PCB terminal	左側面PCB端子 Left side PCB terminal	右側面PCB端子 Right side PCB terminal

接觸形式說明圖 Circuit illustration

轉換式SPDT	常開(按通)式 SPST-NO	常閉(按斷)式 SPST-NC



◆ 可供選擇的非標準動臂代號和外形特徵尺寸 Not standard levers for choose and outline characteristic dimensions

動臂代號 Lever code	外形特徴尺寸 Outline characteristic dimensions	動臂代號 Lever code	外形特徴尺寸 Outline characteristic dimensions	動臂代號 Lever code	外形特徴尺寸 Outline characteristic dimensions
3A		C		K	
N		G		Q1	
J		F1		S1	
J1		6A		5A	
J2		6C			

Please follow the specifications provided by our company or the Part number(Lever code).

請依照我公司所提供規格圖或是料號為準

Our company can according to customer's custom mold.

可根據客戶要求開模訂製

◆ 安全可靠的基本開關 Safe, reliable basic switch

MICRO SWITCH微動開關

料號編碼原則



BMN

Rating:額定值

25:25(4)A 250VAC
16:16(4)A 250VAC/16A125VAC
10:10(3)A 250VAC/10A125VAC
5:5(2)A 250VAC/5A125VAC
1:1(0.3)A 250VAC/1A125VAC

Circuit:接觸形式

Z:轉換式 SPDT
T:常開(按通)式 SPST-NO
D:常閉(按斷)式 SPST-NC

Actuator forms:驅動形式

0:無動臂No lever
A1/1:短動臂Short lever
A2/2:長動臂Long lever
A3/3:中動臂Middle lever
A4/4:短滾輪臂Short roller
A5/5:長滾輪臂Long roller
A6/6:弧形動臂Arc lever
A□/□:非標準動臂Not standard lever
注: 1)A表示動臂安裝在靠近按鈕的位置, 無字母A表示動臂安裝在離按鈕較遠的位置。
2)□表示非標準動臂的代號, 詳見動臂尺寸圖。

Case material:外殼材質

無標記No matk:熱塑性
G:熱固性

Outline characteristic:外形特征

無標記No matk:基本形
B:平端形
C:公共端側面形

附加規格編號和外殼顏色代號, 適用於:

1.當開關使用了非標準零件如非標準端子等時;
2.當顧客有特殊動作特性值或其它要求時;
3.當開關外殼顏色不是默認的灰色時, 如黑色用B表示。
附加規格編號用阿拉伯數字表示, 在沒有附加規格編號時,該位置空缺

Contact gap:觸點間隙

無標記No matk:0.5mm
X:1mm
Y:3mm

Plunger spec:按鈕規格

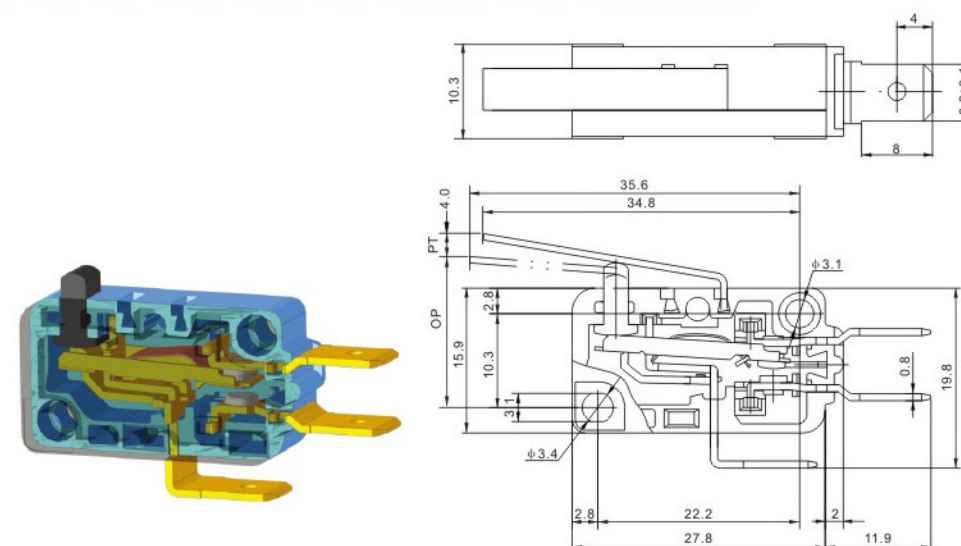
無標記:標準按鈕(2.8mm)
A:短按鈕(2.6mm)
B:中長按鈕(3.2mm)
C:長按鈕(6.2mm)
D:平端按鈕(3.8mm)

Operating force:動作力

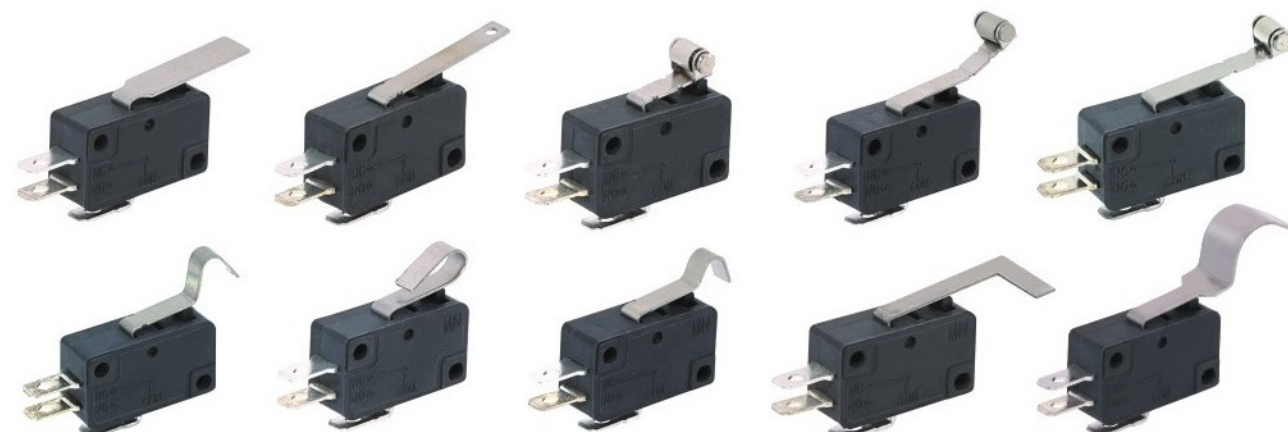
015:15gf
025:25gf
050:50gf
100:100gf
150:150gf
200:200gf
300:300gf
400:400gf

Terminal types:端子類型

A:250快接端子
Quick-connect terminal
B:187快接端子(厚0.80mm)
C:187快接端子(厚0.5mm)
D:焊接/187共用端子
Solder/187 common terminal
E:螺孔端子Screw terminal
F:焊接端子Solder terminal
L:左側面PCB端子
Left side PCB terminal
R:右側面PCB端子
Right side PCB terminal
H:250快接端子之二
Y:非標準端子
Not standard terminal



- 1 開關子(按鈕) Plunger
- 2 蓋 Cover
- 3 杠杆 Lever
- 4 可動片 Moving piece
- 5 支架 Support
- 6 電觸點 Contact
- 7 端子 Terminal
- 8 基座 Case
- 9 簧片 Spring sheet
- 10 動臂(杠杆) Moving arm(lever)



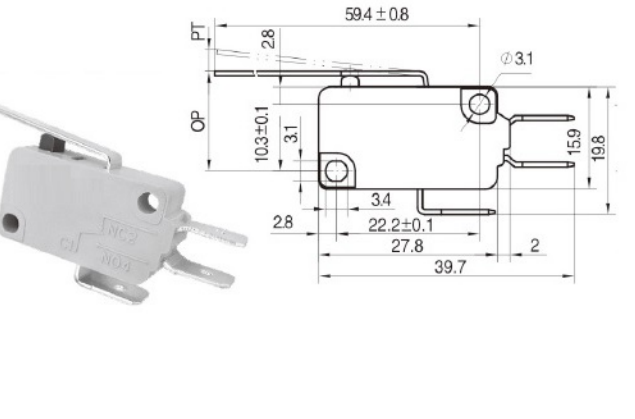
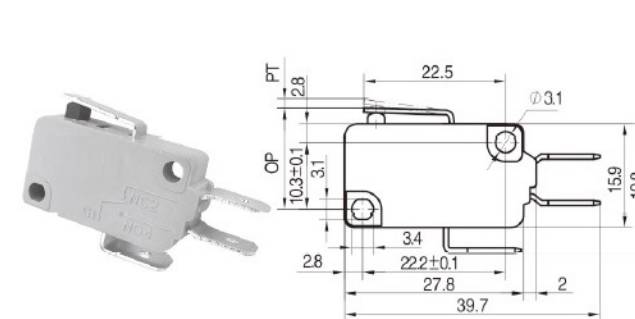
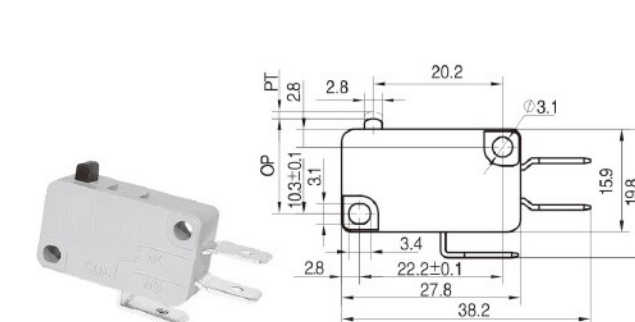
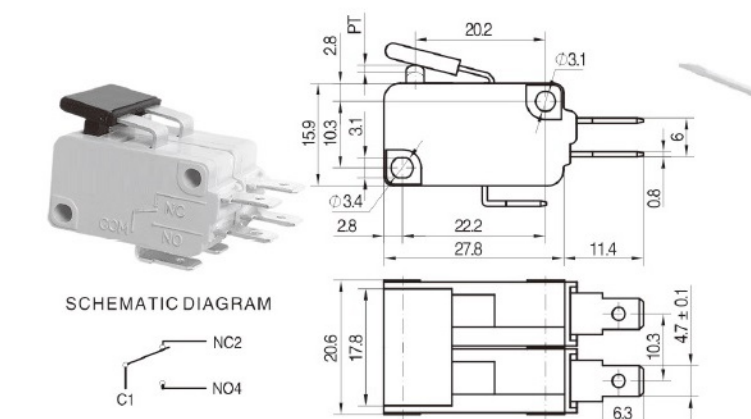
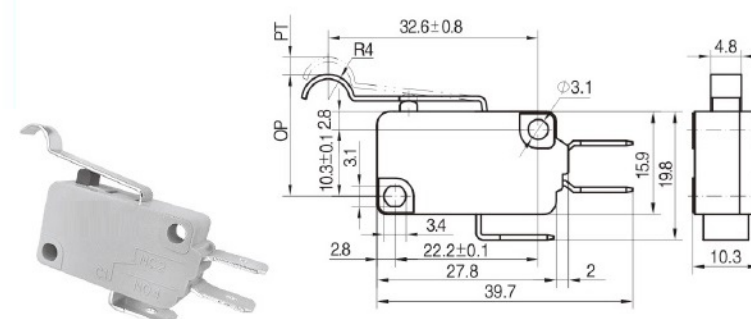
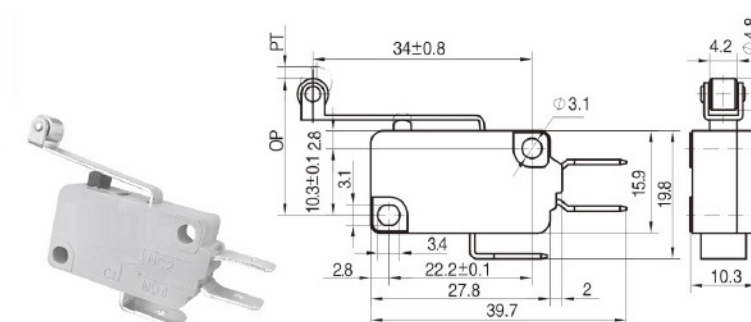
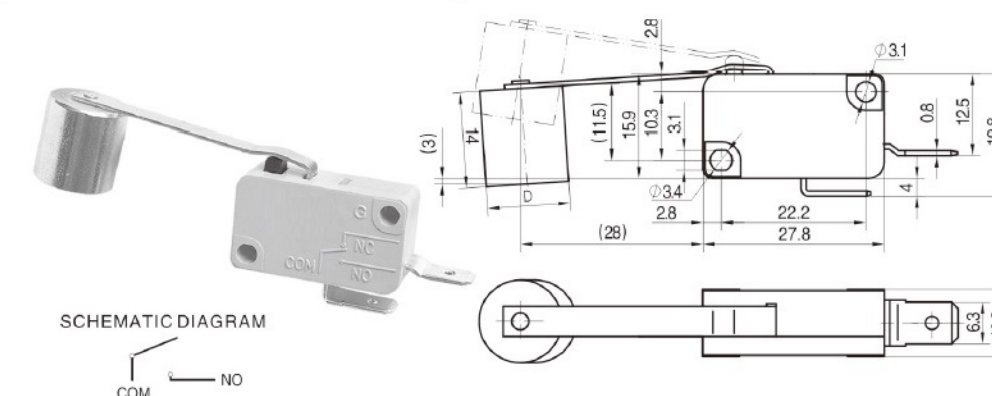
按鈕規格說明圖 Plunger spec illustration

無標記:	A	B	C	D

外形特征說明圖 Outline characteristic illustration

基本型Basic form	平端型Flat form	公共端側面形 Side common terminal

接線端尺寸 Terminal dimensions				
端子種類	快接端子#250 Quick connect terminal #250	快接端子#187(t=0.8) Quick connect terminal #187	快接端子#187(t=0.5) Quick connect terminal #187	焊接/快接#187公用端子 Solder/Quick connect terminal #187
下公共端 Bottom Common terminal				
側公共端 Side Common terminal				
端子尺寸 Terminal dimenesions				
左側面PCB端子 Left side PCB terminal				
右側面PCB端子 Right side PCB terminal				
左側面PCB端子 Left side PCB terminal				
右側面PCB端子 Right side PCB terminal				
安裝孔尺寸圖 Mounting hole dimensions				



Please follow the specifications provided by our company or the Part number(Lever code).
請依照我所提供規格圖或是料號為準

Our company can according to customer's custom mold.
可根據客戶要求開模訂製

接線端尺寸 Terminal dimensions

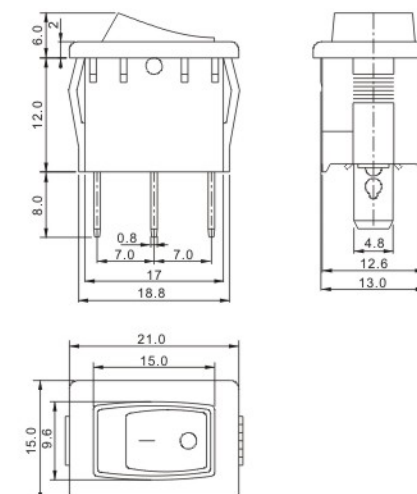
端子種類	快接端子#250 Quick connect terminal #250	快接端子#187(t=0.8) Quick connect terminal #187	快接端子#187(t=0.5) Quick connect terminal #187	焊接/快接#187公用端子 Solder/Quick connect terminal #187
下公共端 Bottom Common terminal				
側公共端 Side Common terminal				
端子尺寸 Terminal dimenesions				

左側面PCB端子 Left side PCB terminal	右側面PCB端子 Right side PCB terminal	焊接端子 Solder terminal	螺孔端子 Screw terminal	快接端子#250之二 Quick connect terminal #250 No.2

安裝孔尺寸圖 Mounting hole dimensions

左側面PCB端子 Left side PCB terminal	右側面PCB端子 Right side PCB terminal

BRS-6062



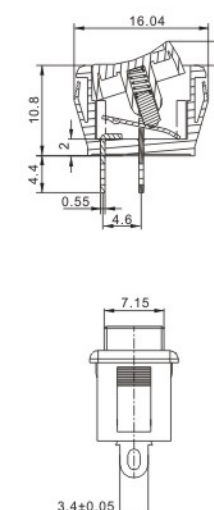
BRS-6062-(3)(A)-(Q)-(X)(X)(X)-(C)(2)

2:2Pin 3:3Pin	Color: (Rocker/Housing/Lamp) W:White B:Black G:Green R:Red BL:Blue	Rating: 1:3A 125/250VAC 2:10A 125/250VAC 3:16A 125/250VAC
Circuit: A:ON-OFF B:ON-ON C:ON-OFF-ON D:(ON)-OFF E:(ON)-OFF G:(ON)-ON	Terminal Types 	Cap Marking

W	Panel Thick
19.2	0.75~1.25
19.4	1.25~2.0
19.8	2.0~3.0

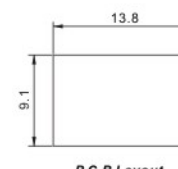
P.C.B Layout

BRS-S6062



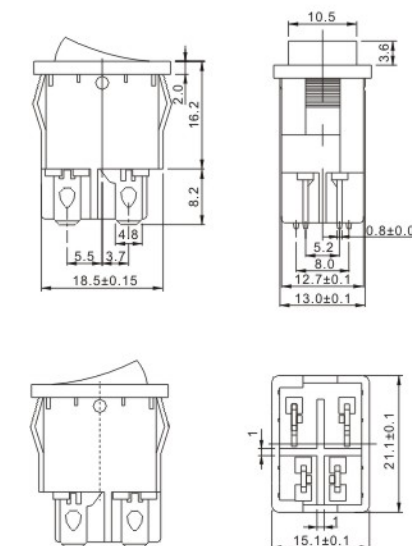
BRS-S6062-(3)(A)-Q-(B)(B)-C1-O

2:2Pin 3:3Pin	Color: (Rocker/Housing) B:Black R:Red	3A 250VAC
Circuit: A:ON-OFF B:ON-ON C:ON-OFF-ON D:(ON)-OFF	Terminal Types 	Cap Marking



P.C.B Layout

BRS-6110



BRS-6110-(4)(A)-(Q)-(BB)-(C)(2)

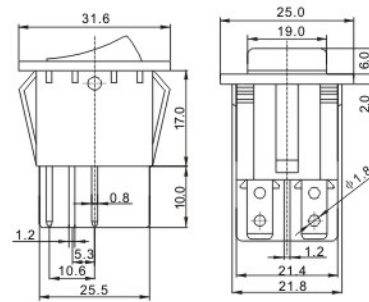
Circuit: 2:2Pin 4:4Pin	Color(Rocker-Housing) B:Black	Rating: 1:3A 125/250VAC 2:10A 125/250VAC 3:16A 125/250VAC
Circuit: A:ON-OFF B:ON-ON C:ON-OFF-ON D:(ON)-OFF E:(ON)-OFF G:(ON)-ON	Terminal Types 	Cap Marking

PANEL THICKNESS	X
0.75~1.25	19.2
1.25~2.0	19.4
2.0~3.0	19.6

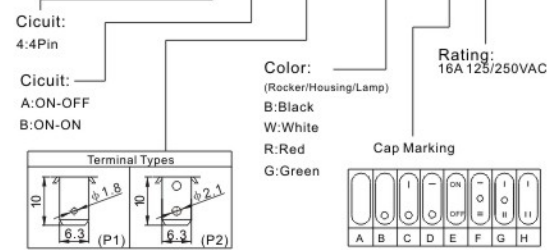
P.C.B Layout

ROCKER SWITCH SERIES

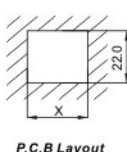
BRS-6090



BRS-6090-(4)(A)-(P2)-(XXX)-(X)(3)

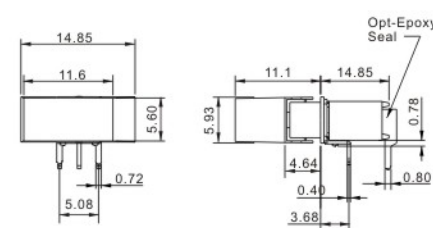


Panel thickness	X
0.75 - 1.25	30.0
1.25 - 2.0	30.2
2.0 - 3.0	30.5

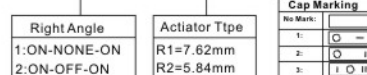


P.C.B Layout

BRS-RS-61
SPDT

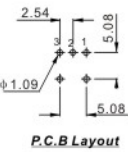


BRS-RS-6(X)-R(X)-B(X)-Y



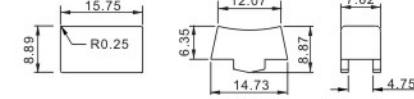
SWITCH FUNCTION

Model No.	POS.1	POS.2	POS.3
BRS-RS-61	ON	NONE	ON
BRS-RS-62	ON	OFF	ON
Term. Comm.	2-3,5-6	BRS-RS-61 N/A	2-1,5-4
SCHEMATIC	2 Comm	BRS-RS-62 OPEN	2 Comm

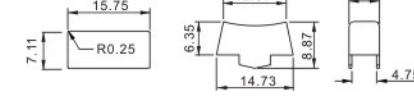


P.C.B Layout

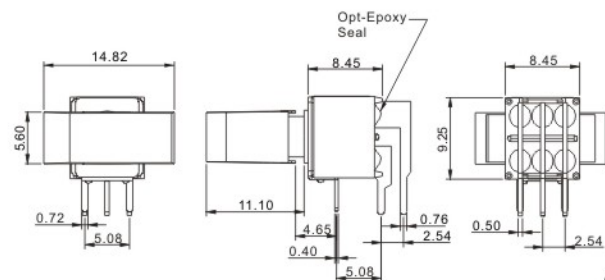
Actuator=R1



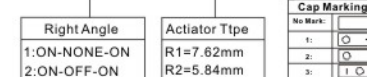
Actuator=R2



BRS-RS-71
DPDT

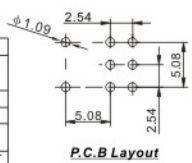


BRS-RS-7(X)-R(X)-B(X)-Y



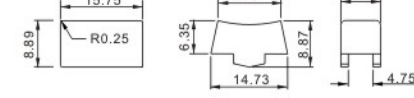
SWITCH FUNCTION

Model No.	POS.1	POS.2	POS.3
BRS-RS-71	ON	NONE	ON
BRS-RS-72	ON	OFF	ON
Term. Comm.	2-3,5-6	BRS-RS-71 N/A	2-1,5-4
SCHEMATIC	2 Comm	BRS-RS-72 OPEN	2 Comm

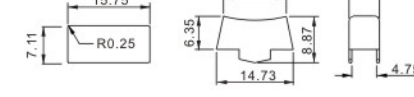


P.C.B Layout

Actuator=R1

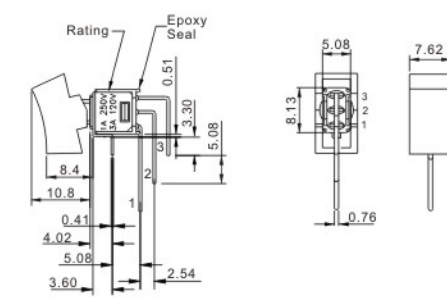
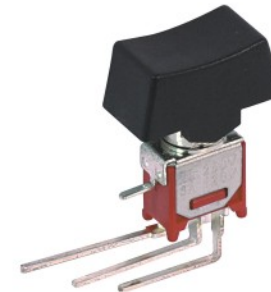


Actuator=R2

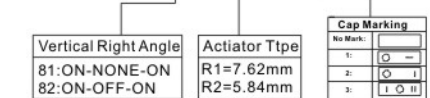


ROCKER SWITCH SERIES

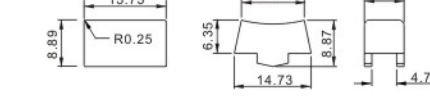
BRS-RS-81 BRS-RS-82
SPDT



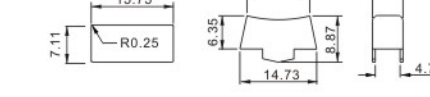
BRS-RS-81-R(X)-B(X)



Actuator=R1

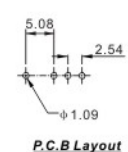


Actuator=R2



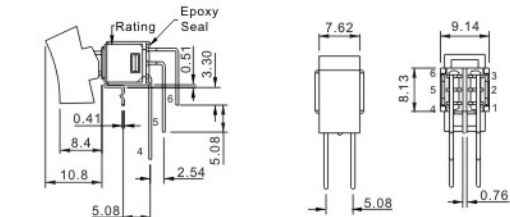
SWITCH FUNCTION

Model No.	POS.1	POS.2	POS.3
BRS-RS-82	ON	OFF	ON
DRS-RS-01	ON	NONE	ON
Term. Comm.	2-3	OPEN N/A	2-1
SCHEMATIC	2 Comm		2 Comm

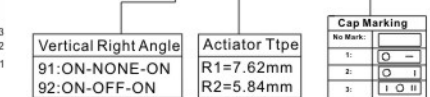


P.C.B Layout

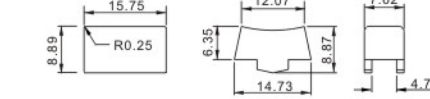
BRS-RS-91
DPDT



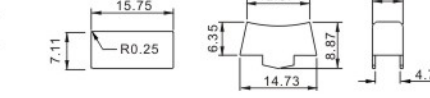
BRS-RS-91-R(X)-B(X)



Actuator=R1

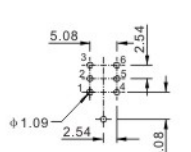


Actuator=R2



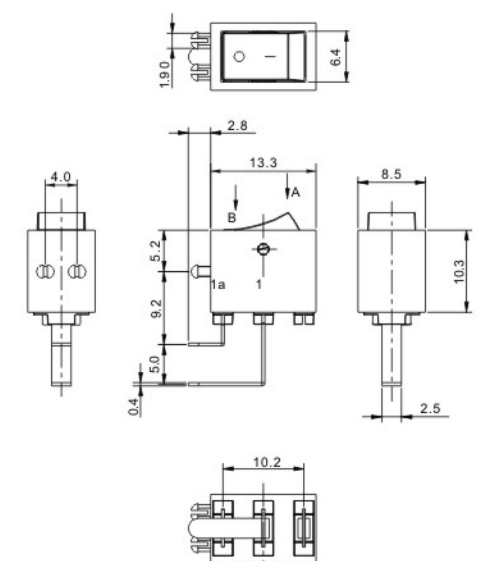
SWITCH FUNCTION

Model No.	POS.1	POS.2	POS.3
BRS-RS-91	ON	NONE	ON
Term. Comm.	2-3,5-6		2-1,5-4
SCHEMATIC	2 Comm	N/A	2 Comm

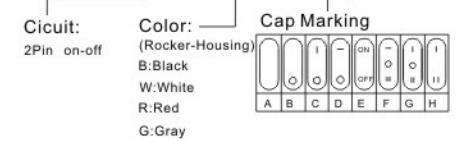


P.C.B Layout

BRS-RS-95
SPST

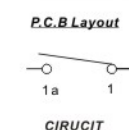


BRS-RS-95-(B)(B)-105(B)



	Y	X
	8.6~9.0	13.4~13.8

POLE FUNCTION	A	B
SPST	1-1a	OFF



P.C.B Layout

CIRCUIT

USB CONNECTOR 連接器

料號編碼原則

BUS —

Product Type

Mini USB:M4,M5,M8,M10
Micro USB:MI(X=Pin)
USB Dula Port:(D)
USB Type:(X=Pin)
(X)AM'(X)AF'(X)BM'(X)BF

Pin Type

D(F):DIP (反向)
HD(F):DIP 直立式(反向)
M(F):SMT (反向)
DM:SMT (Pin腳插板式)
HM(F):SMT直立式(反向)
R:Right Angle Dip(側插)
RM:Right Angle SMT(側插)
SM:SMT Sink(SMD 沉板)
SDM:SMT Sink(SMD 沉板魚叉腳)
SD:DIP Sink (DIP沉板)

Housing Material

N:Nylon/PA
P:PBT
L:LCP/PA6T/9T

Housing Color

W:White
B:Black
BL:Blue (3.0Type Only)

Internal Number

Package Type

RP:Reel Package 卷裝
TP:Tube 管裝
□:Standard Bag

Special Psecification

T:Top Tape(貼模)
SMT Series Type Only

Contact Plating

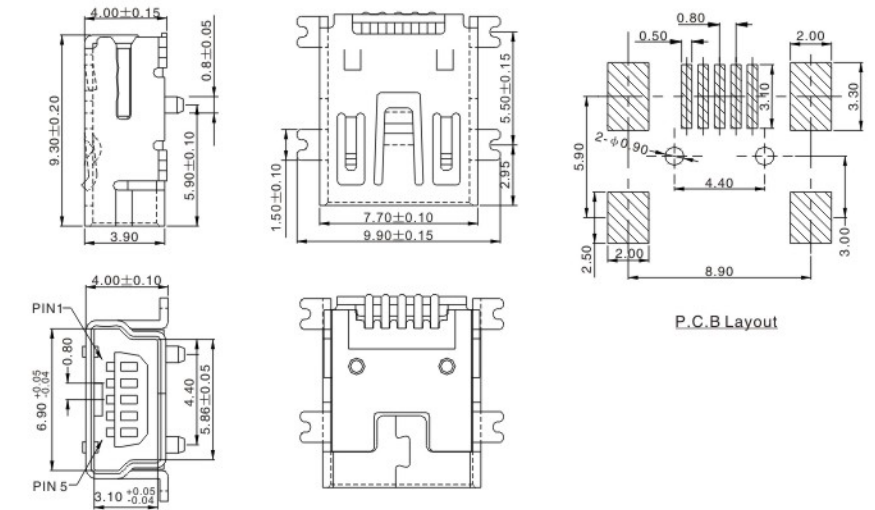
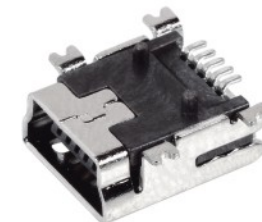
1:1u 3:3u 5:5u
10:10u 15:15u
30:30u G:(全金)

Shell Material

C:Brass of Ni Plated 銅殼鍍鎳
Cl:Brass of Sn Plated 銅殼鍍錫
S:Stell of Ni Plated 鐵殼鍍鎳

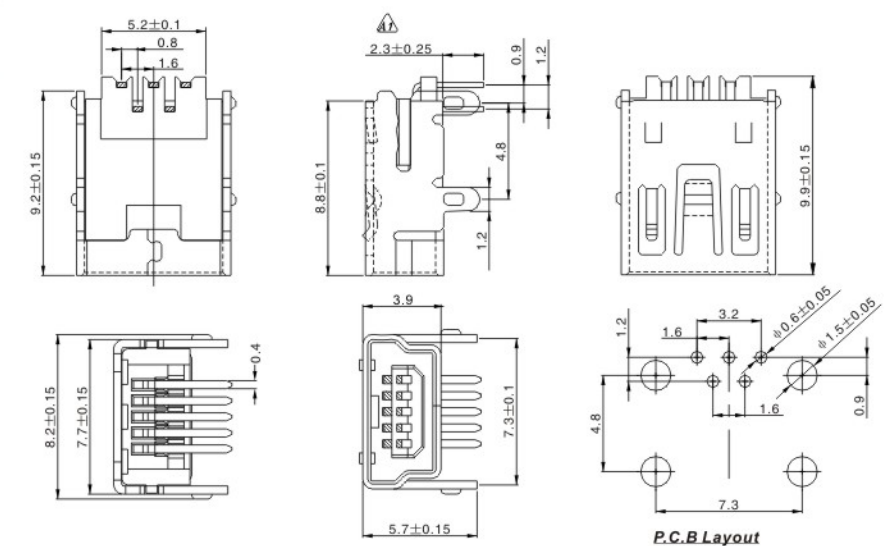
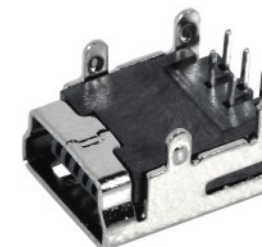
BUS-M5BFML

Mini USB 5F SMT 系列



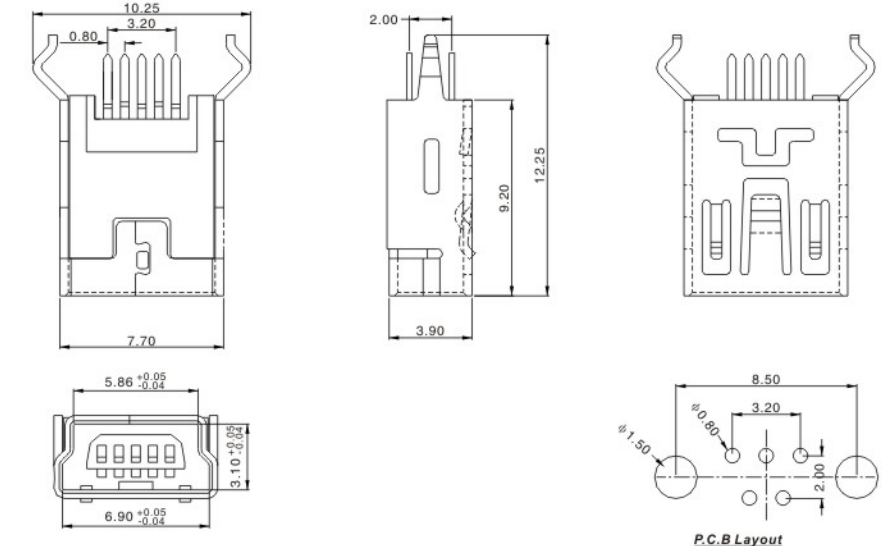
BUS-M5BFDL

Mini USB 5F DIP 90度 系列



BUS-M5BFHDL

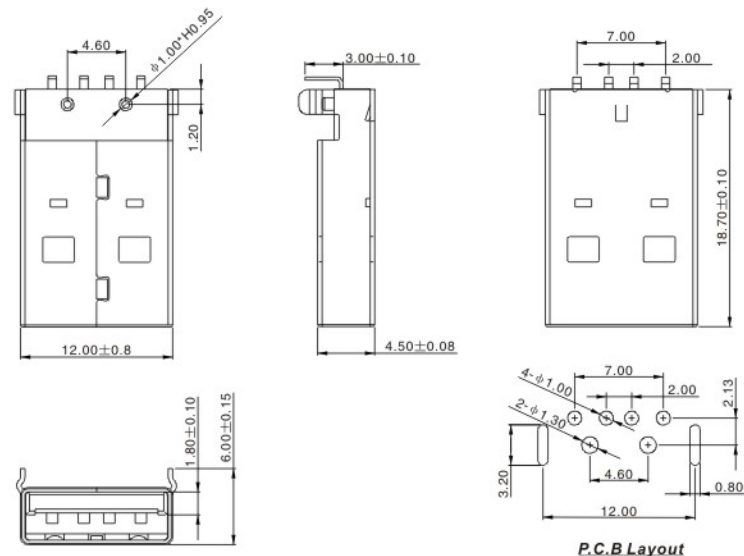
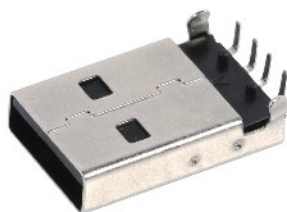
Mini USB 5F DIP180度 系列



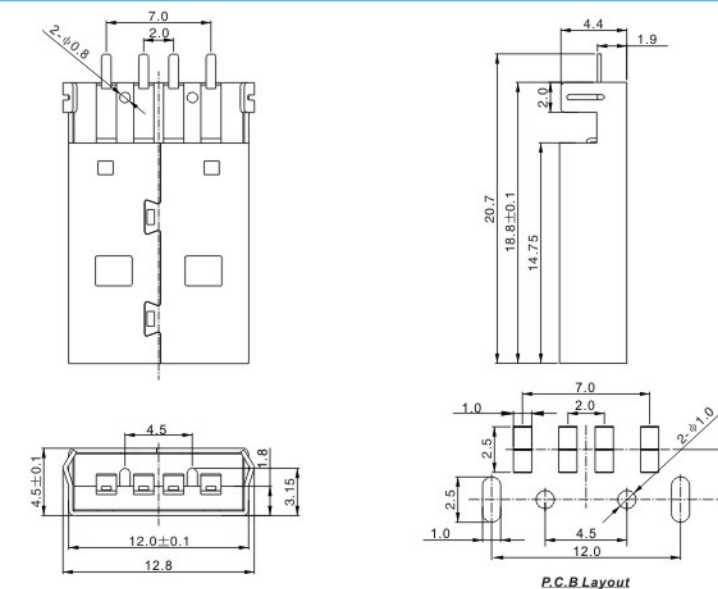
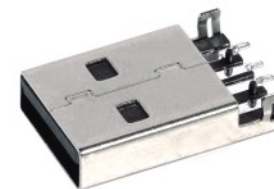
USB CONNECTOR SERIES

USB CONNECTOR SERIES

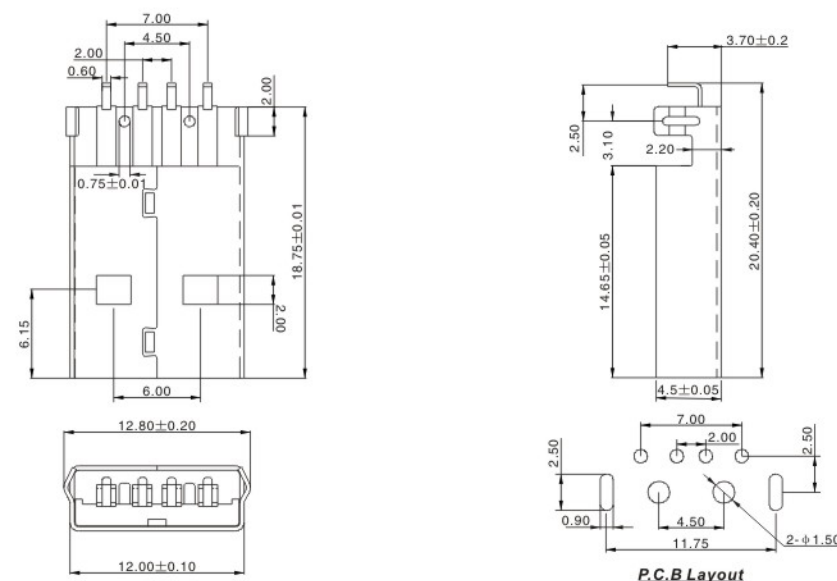
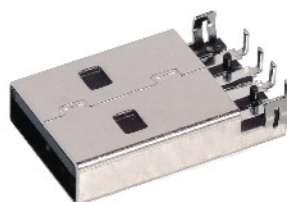
BUS-4AMDP
USB 4AM DIP 90度 系列



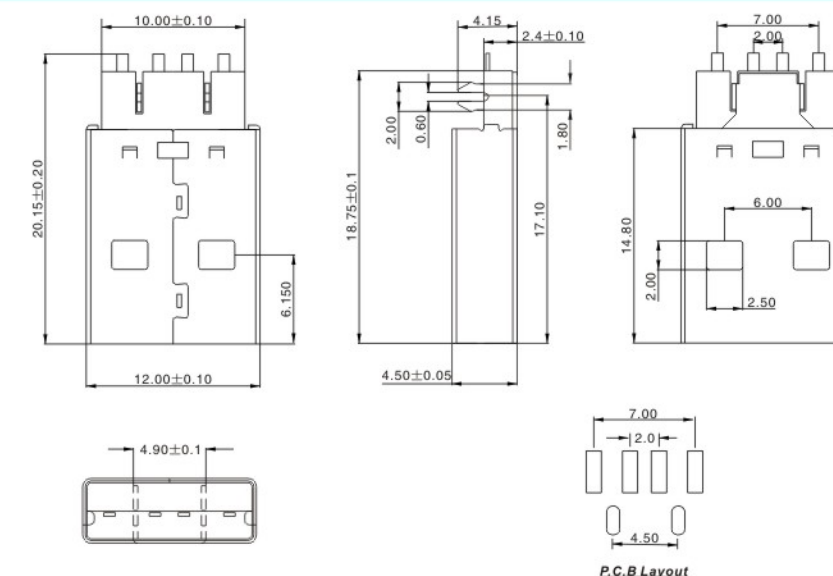
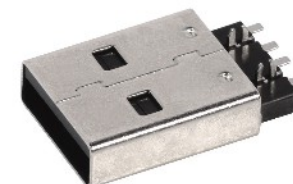
BUS-4AMSML
USB 4AM SMT 沉板系列



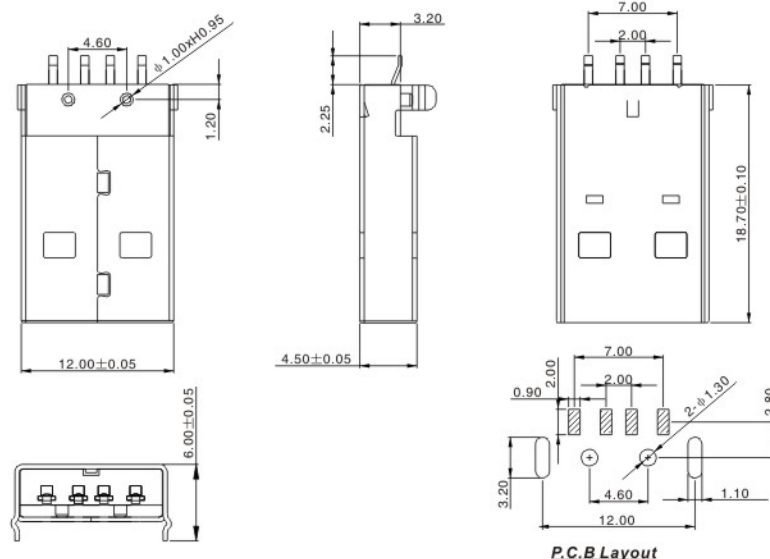
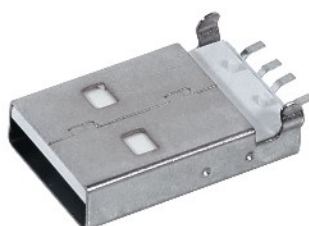
BUS-4AMSDP
USB 4AM DIP 90度 沉板系列



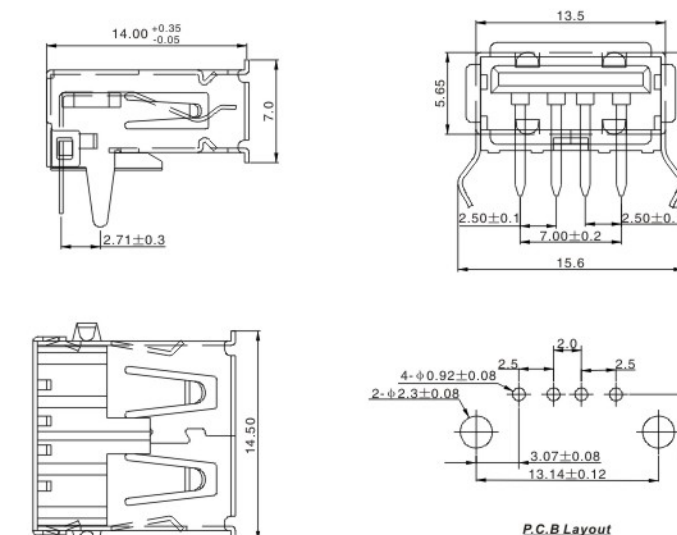
BUS-4AMSDML
USB 4AM SMT 魚叉腳沉板系列



BUS-4AMML
USB 4AM SMT 系列



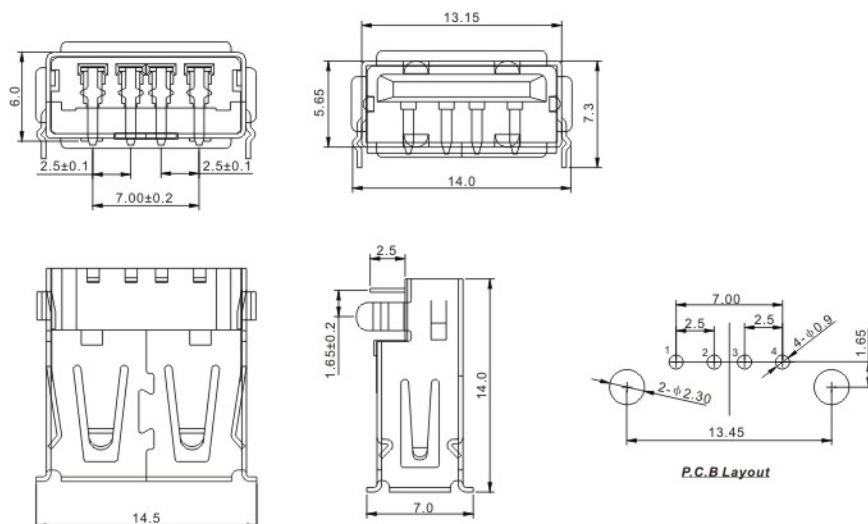
BUS-4AFDP
USB 4AF DIP 90度 系列



USB CONNECTOR SERIES

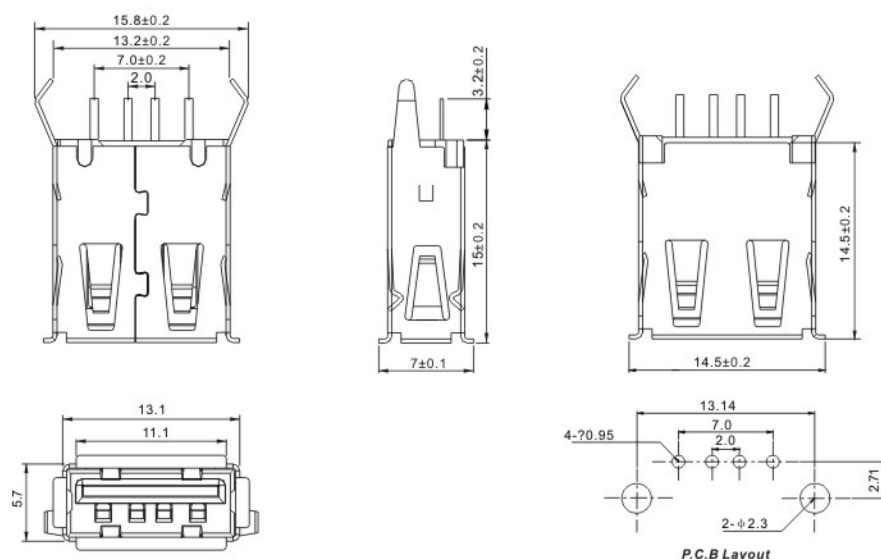
BUS-4AFSDP

USB 4AF DIP 90度 沉板系列



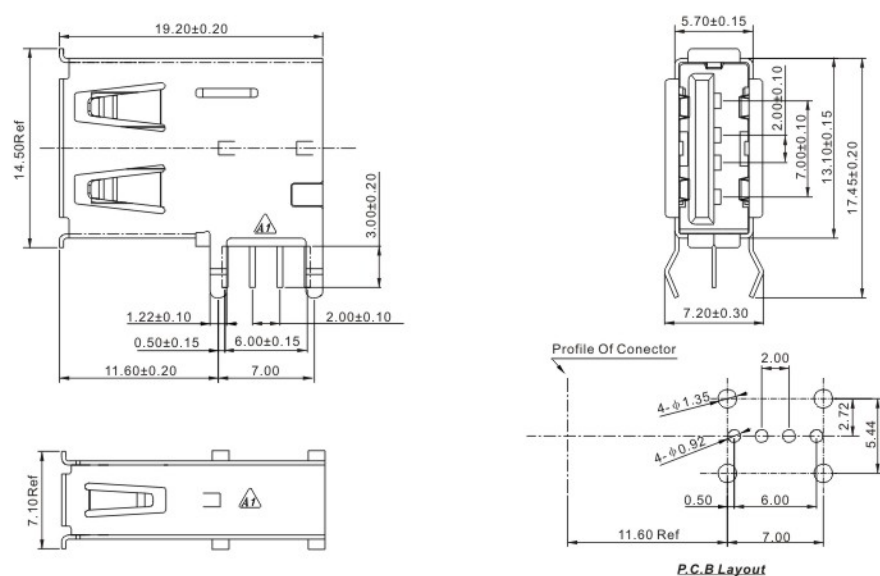
BUS-4AFHDP

USB 4AF DIP 180度 系列



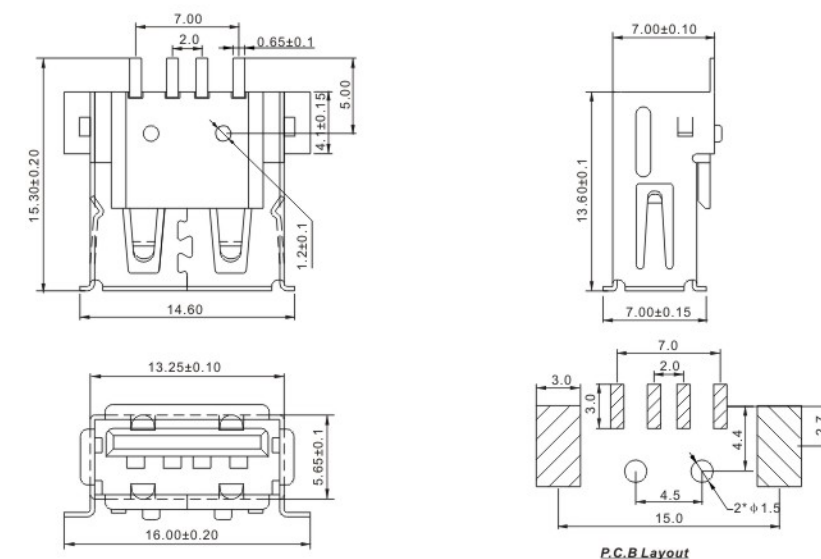
BUS-4AFRP

USB 4AF 側插系列



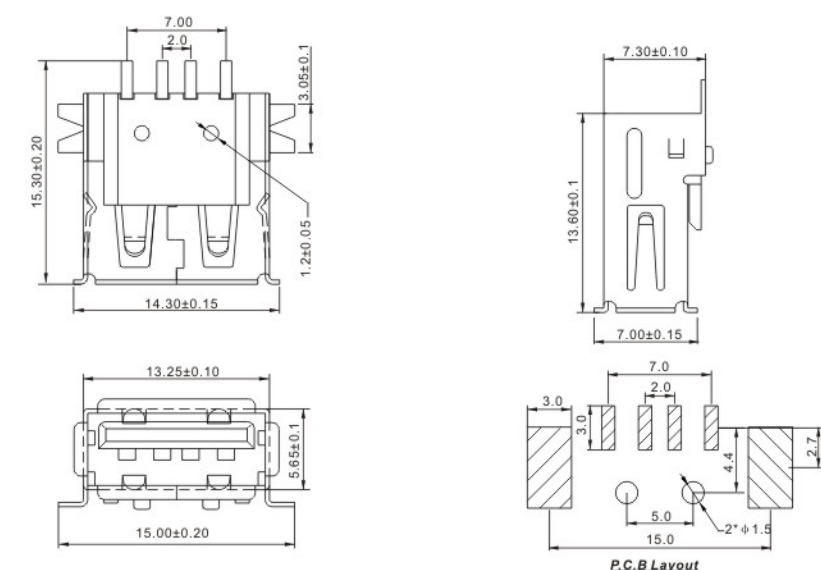
BUS-4AFML

USB 4AF SMT 系列



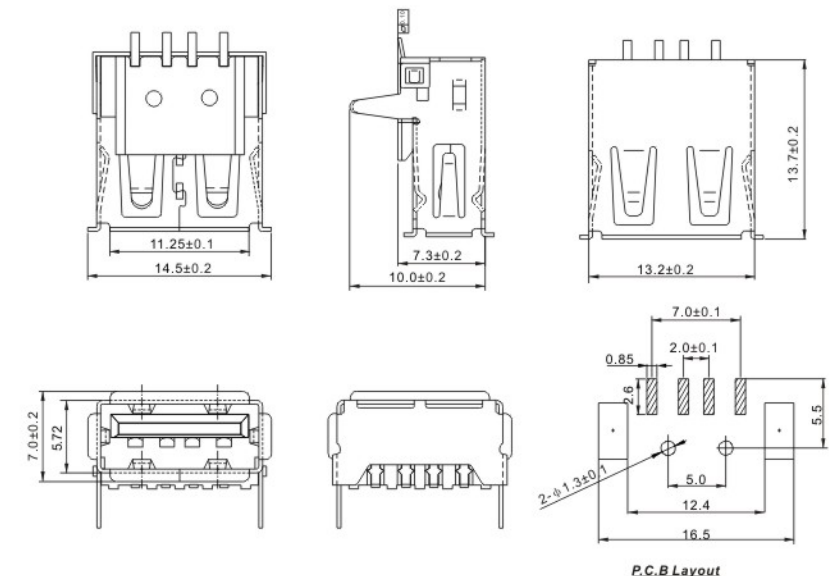
BUS-4AFMSL

USB 4AF SMT 魚叉腳系列



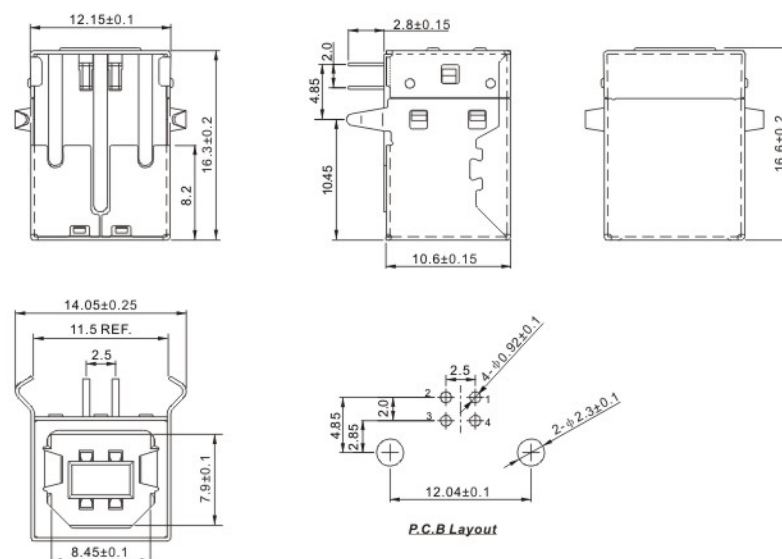
BUS-4AFDML

USB 4AF SMT 直插腳系列



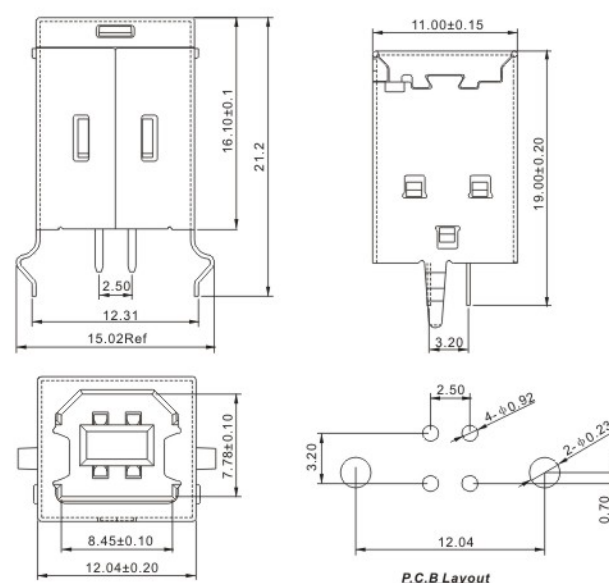
USB CONNECTOR SERIES

BUS-4BFDP
USB 4BF DIP 90度 系列



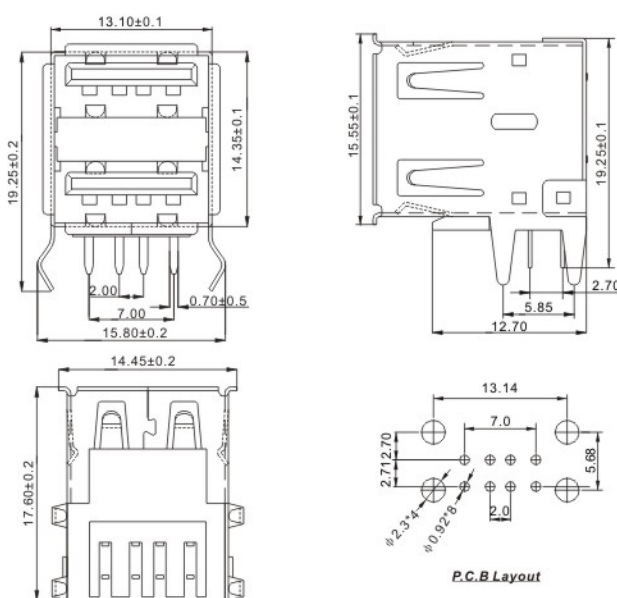
BUS-4BFHDP

USB 4BF DIP 180度 系列

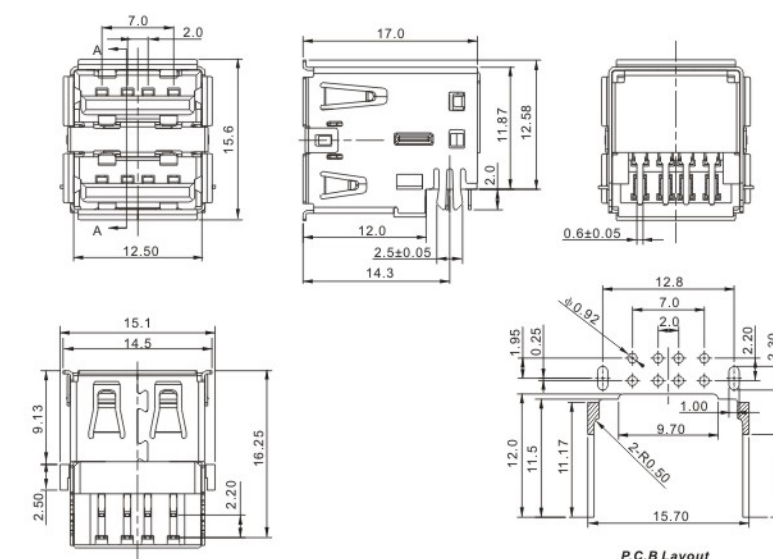


BUS-D8AFDP

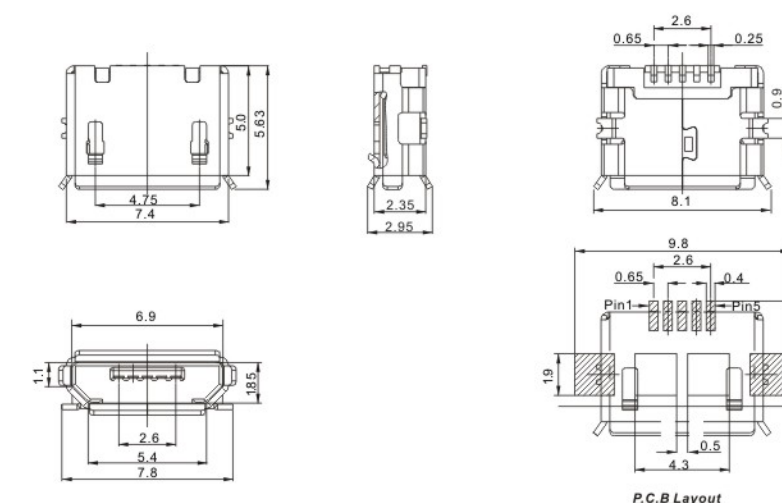
USB 雙層 DIP 90度 系列



BUS-D8AFSDL
USB 雙層 DIP 90度 沉板系列

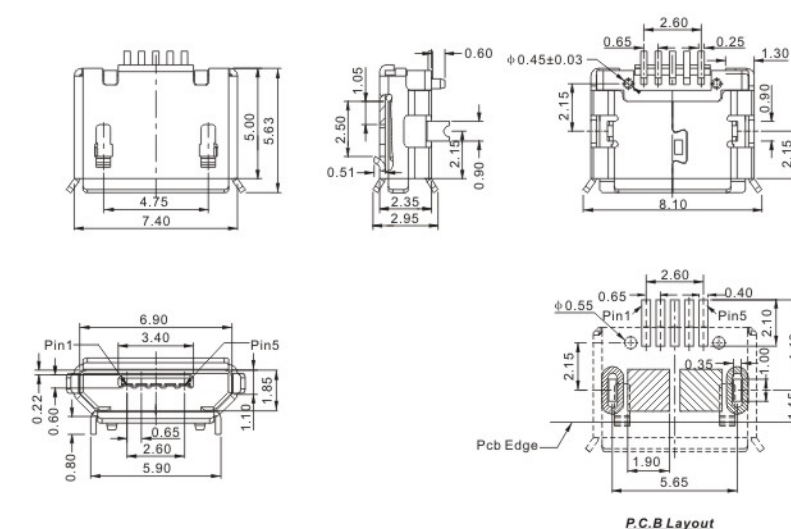
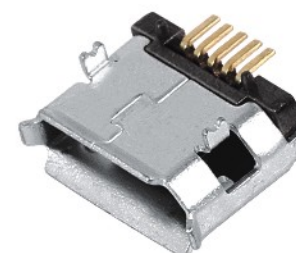


BUS-MI5ML
MICRO USB 系列



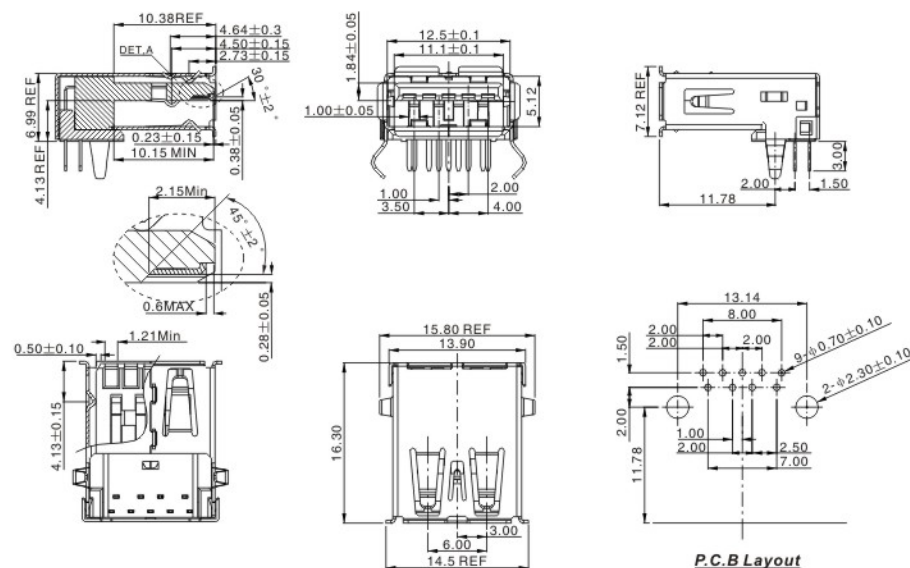
BUS-MI5DML

MICRO USB 固定腳直插系列

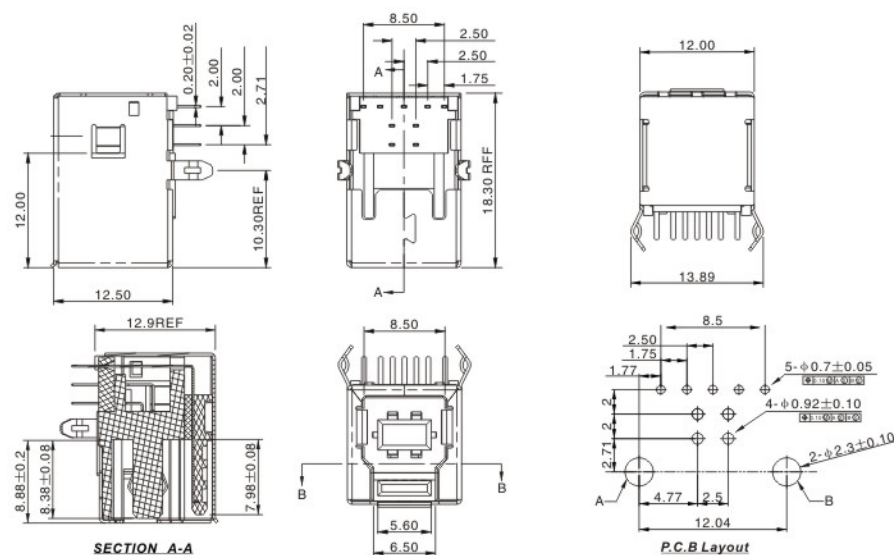


USB CONNECTOR SERIES 3.0 TYPE

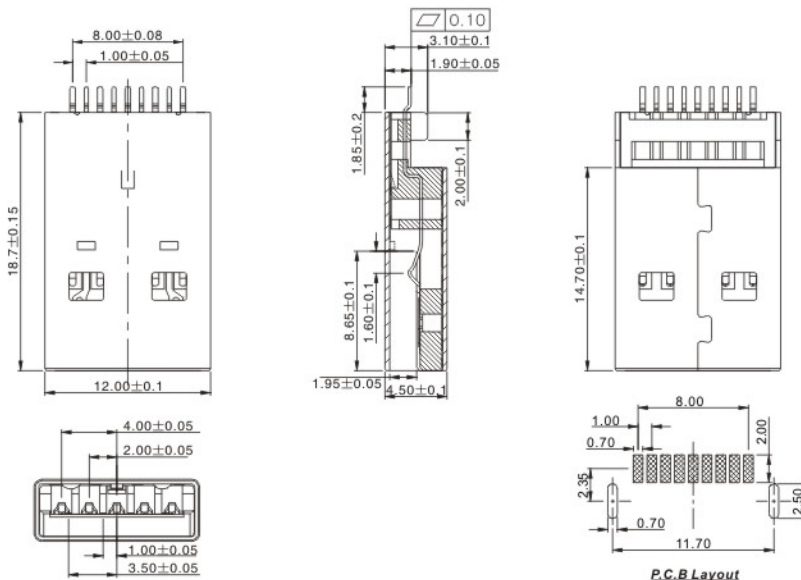
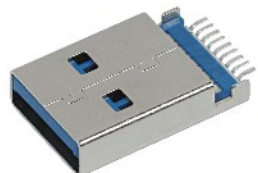
BUS-4AFDP 3.0 Type USB 3.0 AF DIP 90度 系列



BUS-4BFD 3.0 Type USB 3.0 BF DIP 90度 系列

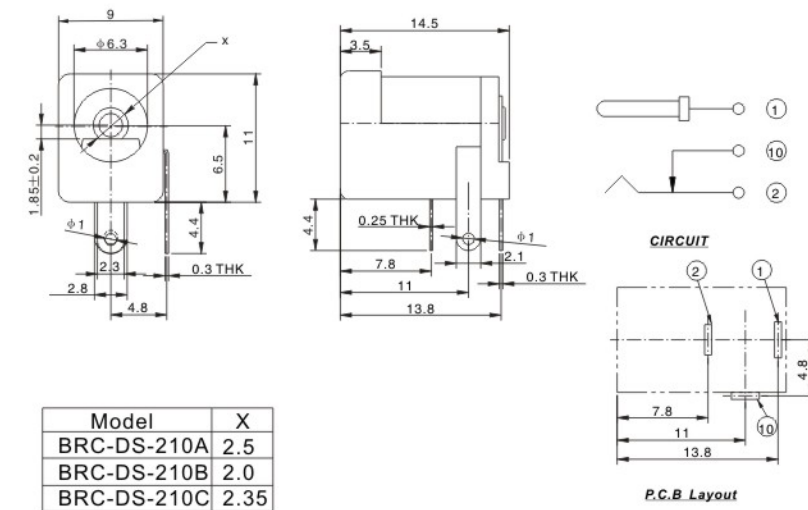


BUS-4AMSMP 3.0 Type USB 3.0 AM SMT 沉板 系列

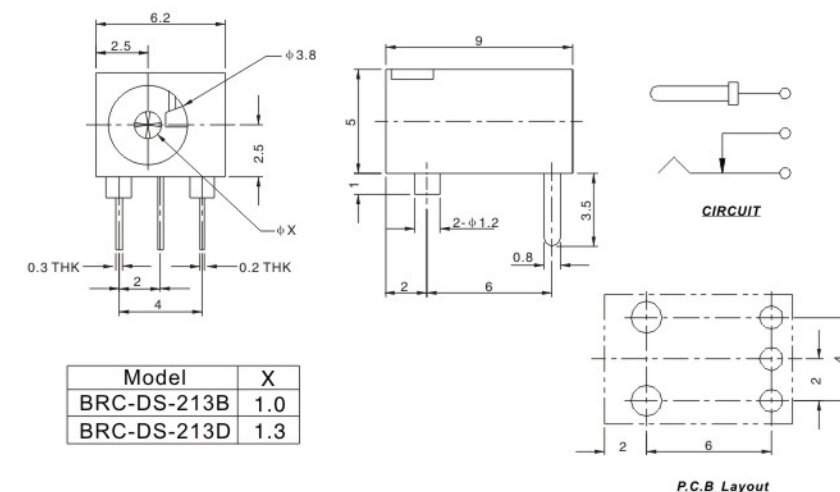


DC JACK SERIES

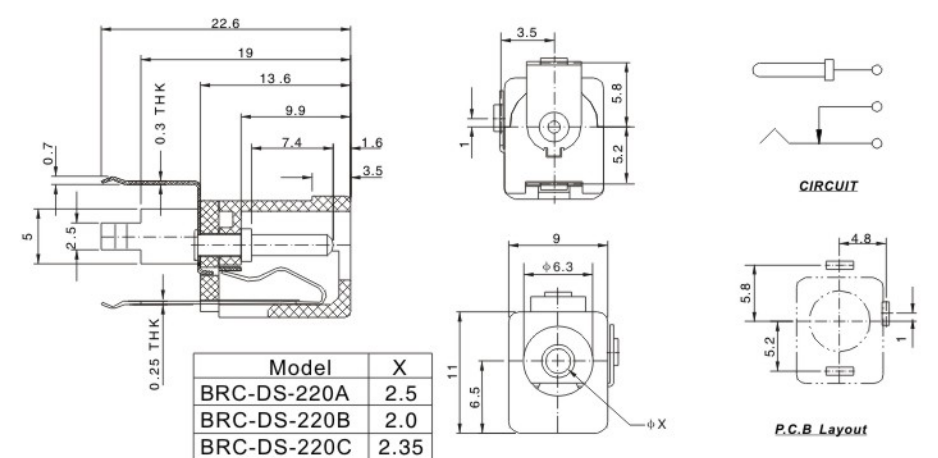
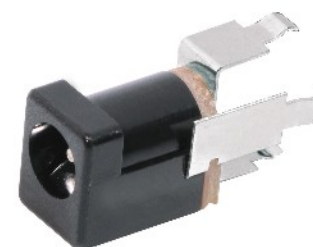
BRC-DS-210



BRC-DS-213



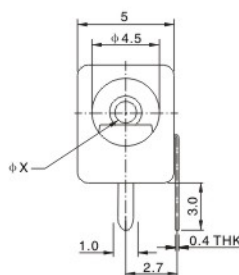
BRC-DS-220



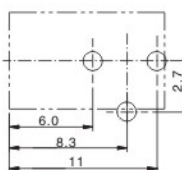
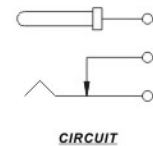
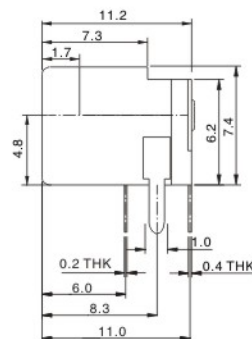
DC JACK SERIES

MAIN CUSTOMERS

BRC-DS-313

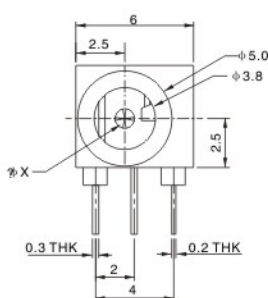


Model	X
BRC-DS-313E	1.0
BRC-DS-313D	1.3

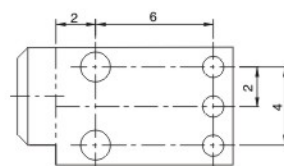
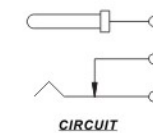
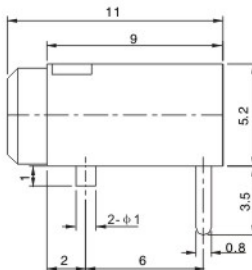


P.C.B. Layout

BRC-DS-413

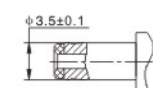
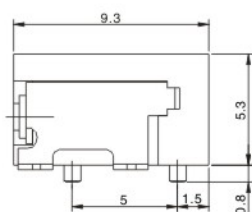


Model	X
BRC-DS-413E	1.0
BRC-DS-413	1.3



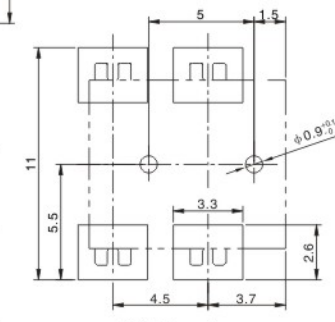
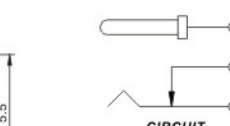
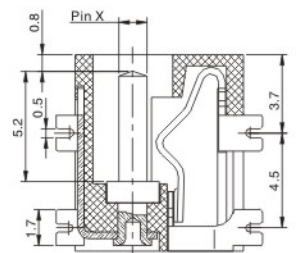
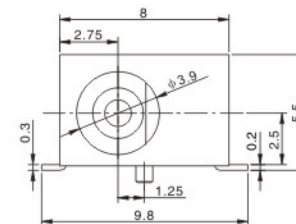
P.C.B. Layout

BRC-DS-420



PLUG

Model	X
BRC-DS-420E	1.0
BRC-DS-420D	1.3



P.C.B. Layout



以上为我公司配合与交易之客户企业标志