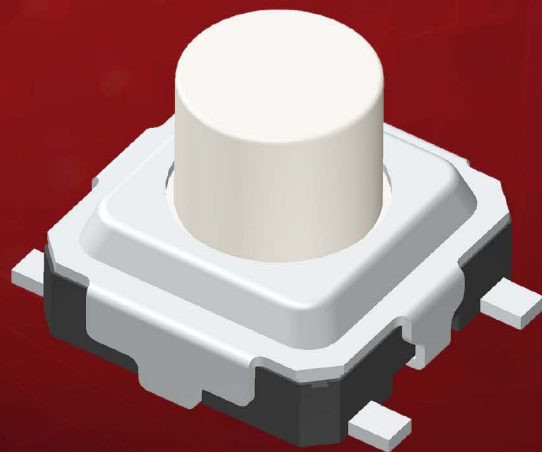


Tact Switch

Connectors

T

act Switch



CONNECTORS MANUFACTURER

Tact Switch SMT Vertical Type

SPECIFICATIONS

Dielectric Strength:250VAC / 1MIN

Rating:DC 12V 50mA MAX

Contact Resistance:100mΩ MAX

Insulation Resistance:100MΩ MIN

Operating Life:100,000 Cycles

Operating Force:90/120gf±30gf, 180/250gf±50gf

MATERIAL

Base:LCP, Black

Terminal:Brass, Silver Plated

Contact:Stainless Steel, Silver Plated

Cover:Stainless Steel

Actuator:LCP

6STMS01-XXX XXX X X X A01

Series Code
015
020

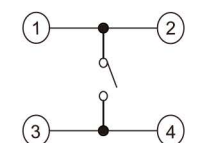
Operating Force
090:90gf±30gf
120:120gf±30gf
180:180gf±50gf
250:250gf±50gf

Actuator Color
W:Natural
B:Black

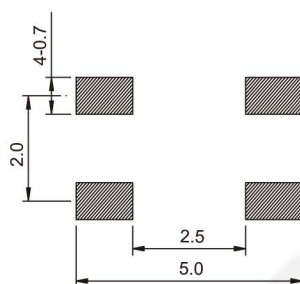
H:T/R W/O Cap

N:W/O Peg
W/O Ground
With Shell

D:W/O Peg
With Ground
With Shell



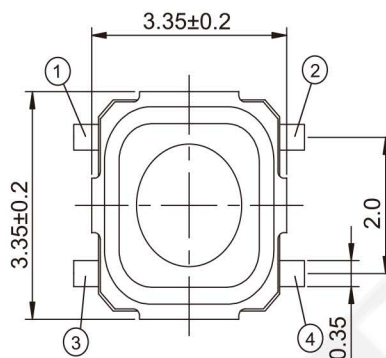
CIRCUIT DIAGRAM



RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)

TABLE

P/N	H
6STMS01-015XXXXNXA01	1.5mm
6STMS01-020XXXXNXA01	2.0mm

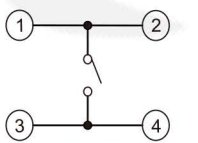
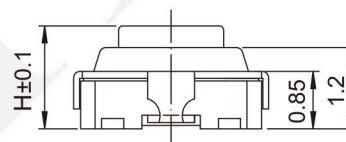
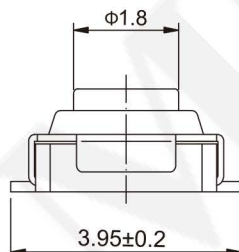


◆ W/O Ground

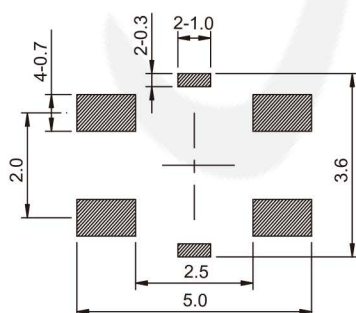


6STMS01-XXX XXX XNX A01

W/O Ground



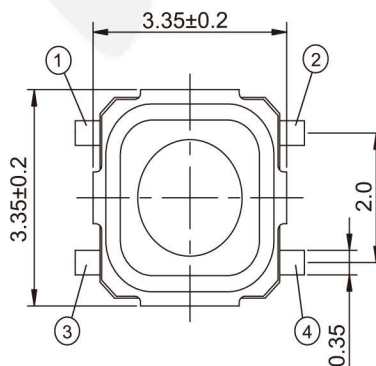
CIRCUIT DIAGRAM



RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)

TABLE

P/N	H
6STMS01-015XXXXDXA01	1.5mm
6STMS01-020XXXXDXA01	2.0mm

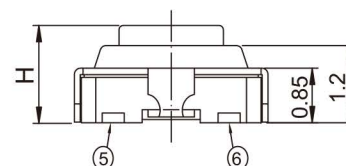
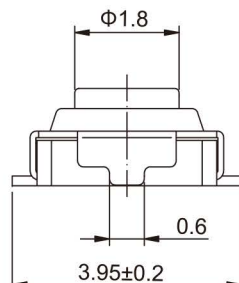


◆ With Ground



6STMS01-XXX XXX XDX A01

With Ground





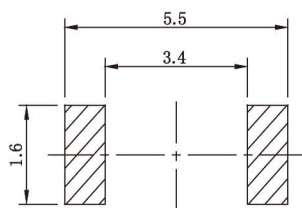
Tact Switch SMT Vertical Type

SPECIFICATIONS

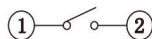
Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:100,000 Cycles
 Operating Force:90/120gf±30gf, 180gf±25gf
 250gf±50gf, 400gf±100gf

MATERIAL

Base:LCP, Black
 Terminal:Phosphor Bronze, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Stainless Steel
 Actuator:LCP



RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)



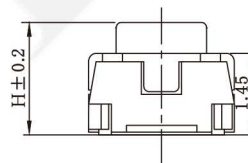
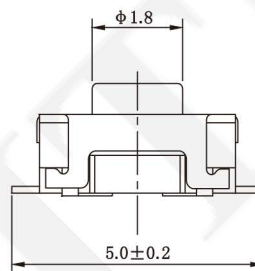
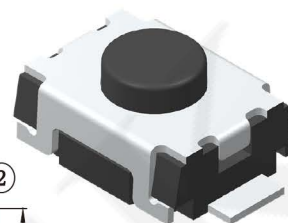
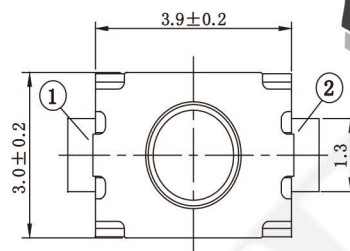
CIRCUIT DIAGRAM

TABLE

P/N	H	Actuator Color
6STMS02-020XXXBXXA01	2.0mm	Black
6STMS02-020XXXRXXA01	2.0mm	Red
6STMS02-025XXXBXXA01	2.5mm	Black

6STMS02-XXX XXX X X X A01

Series Code	Operating Force	Actuator Color	H:T/R W/O Cap
020	090:90gf±30gf	B:Black	N:W/O Peg W/O Ground With Shell
025	120:120gf±30gf	R:Red	
	180:180gf±25gf		
	250:250gf±50gf		
	400:400gf±100gf		



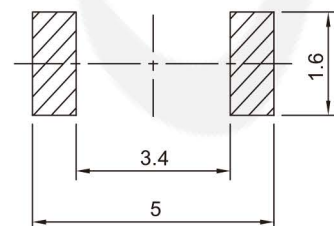
Tact Switch SMT Vertical Type

SPECIFICATIONS

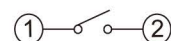
Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:100,000 Cycles
 Operating Force:180/250gf±50gf

MATERIAL

Base:LCP, Black
 Terminal:Phosphor Bronze, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Stainless Steel
 Actuator:LCP



RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)



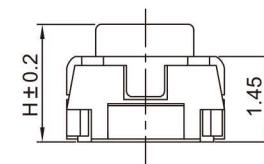
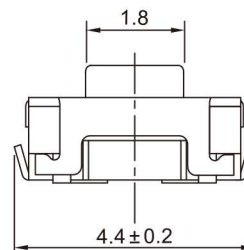
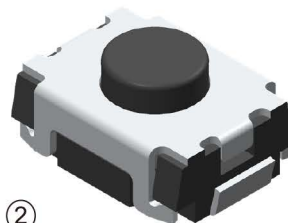
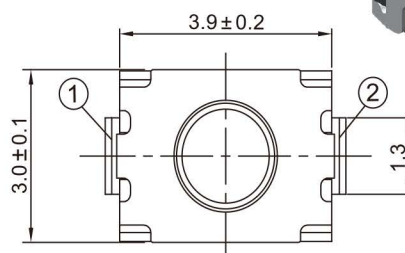
CIRCUIT DIAGRAM

TABLE

P/N	H
6STMS03-020XXXBXXA01	2.0mm
6STMS03-025XXXBXXA01	2.5mm
6STMS03-030XXXBXXA01	3.0mm

6STMS03-XXX XXX X X X A01

Series Code	Operating Force	Actuator Color	H:T/R W/O Cap
020	180:180gf±50gf	B:Black	N:W/O Peg W/O Ground With Shell
025	250:250gf±50gf		
030			



Tact Switch SMT Vertical Type

SPECIFICATIONS

Dielectric Strength:250VAC / 1MIN

Rating:DC 12V 50mA MAX

Contact Resistance:100mΩ MAX

Insulation Resistance:100MΩ MIN

Operating Life:100,000 Cycles

Operating Force:180/250gf±50gf, 400gf±100gf

MATERIAL

Base:LCP, Natural

Terminal:Phosphor Bronze, Silver Plated

Contact:Stainless Steel, Silver Plated

Cover:Stainless Steel

Actuator:LCP

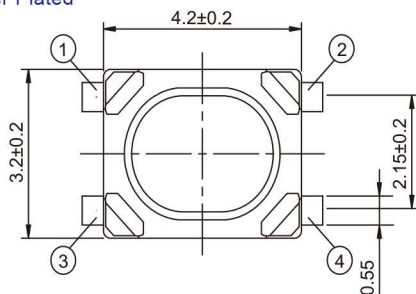
6STMS04-025 XXX X X X A0X

Operating Force
180:180gf±50gf
250:250gf±50gf
400:400gf±100gf

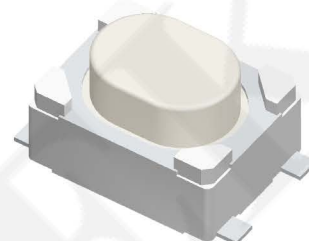
Actuator Color
W:Natural
B:Black

H:T/R W/O Cap
N:W/O Peg
W/O Ground
With Shell

SMT Type
01:Flat Type
02:U Type

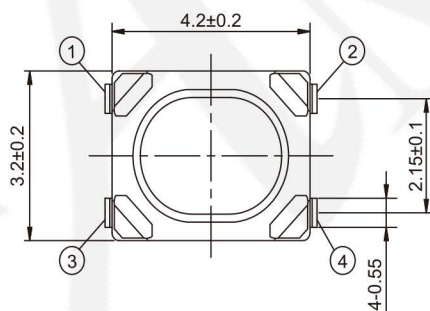
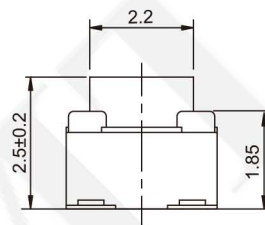
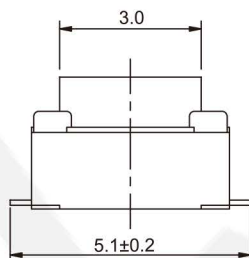


◆ Flat Type

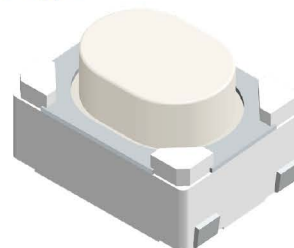


6STMS04-025 XXX XXX A01

Flat Type

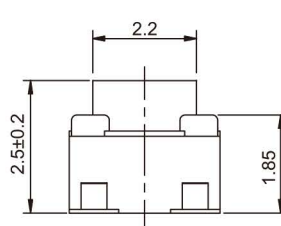
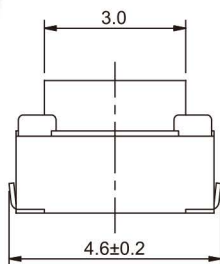


◆ U Type



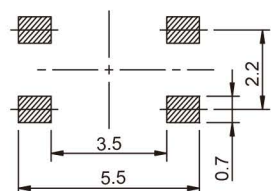
6STMS04-025 XXX XXX A02

U Type

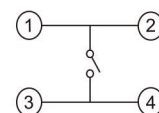


TABLE

P/N	Operating Force	Actuator Color
6STMS04-025180WXXA01	180gf ± 50gf	Natural
6STMS04-025250WXXA01	250gf ± 50gf	Natural
6STMS04-025180WXXA02	180gf ± 50gf	Natural
6STMS04-025250WXXA02	250gf ± 50gf	Natural
6STMS04-025400BXXA02	400gf±100gf	Black



RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)



CIRCUIT DIAGRAM

Tact Switch SMT Vertical Type

SPECIFICATIONS

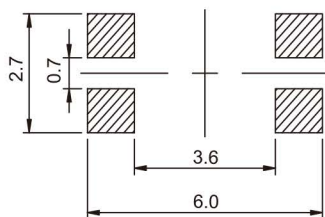
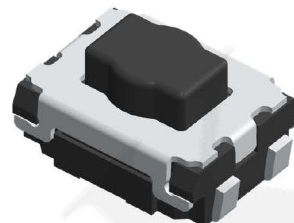
Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:100,000 Cycles
 Operating Force:180/250gf±50gf, 400/500gf±100gf

MATERIAL

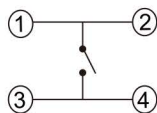
Base:LCP
 Terminal:Phosphor Bronze, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Stainless Steel
 Actuator:LCP
 Tape Sealed:Polyimide

6STMS05-XXX XXX X X X A01

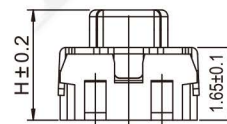
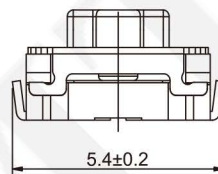
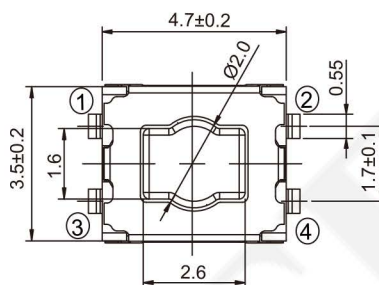
Series Code	Operating Force	Actuator Color	H:T/R W/O Cap
021	180:180gf±50gf	W:Natural	N:W/O Peg W/O Ground With Shell
025	250:250gf±50gf	B:Black	
	400:400gf±100gf		
	500:500gf±100gf		



RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)



CIRCUIT DIAGRAM



TABLE

P/N	H	Actuator Color
6STMS05-021XXXBXXA01	2.1mm	Black
6STMS05-025XXXBXXA01	2.5mm	Black
6STMS05-025XXXNXXA01	2.5mm	Natural

Tact Switch SMT Vertical Type

SPECIFICATIONS

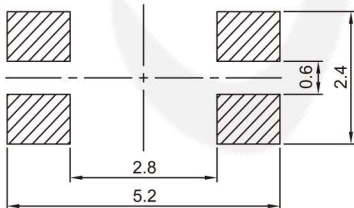
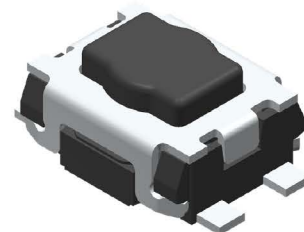
Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:500,000 Cycles
 Operating Force:130gf±30gf, 180/250gf±50gf, 320gf±70gf, 400gf±100gf

MATERIAL

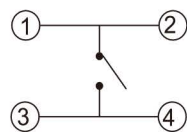
Base:LCP, Black
 Terminal:Phosphor Bronze, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Stainless Steel
 Actuator:Nylon 6T
 Tape Sealed:Polyimide

6STMS06-XXX XXX X X X A01

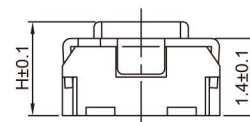
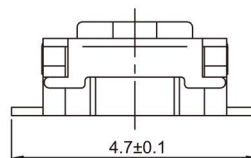
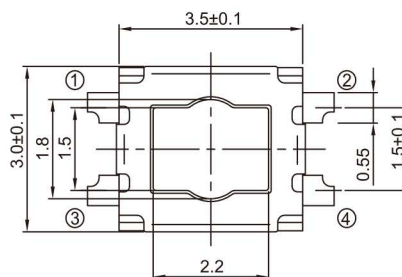
Series Code	Operating Force	Actuator Color	H:T/R W/O Cap
017	130:130gf±30gf	W:Natural	N:W/O Peg W/O Ground With Shell
018	180:180gf±50gf	B:Black	
025	250:250gf±50gf		
	320:320gf±70gf		
	400:400gf±100gf		



RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)



CIRCUIT DIAGRAM



TABLE

P/N	H	Actuator Color
6STMS06-017XXXWXXA01	1.7mm	Natural
6STMS06-018XXXWXXA01	1.8mm	Natural
6STMS06-018XXXBXXA01	1.8mm	Black
6STMS06-025XXXBXXA01	2.5mm	Black

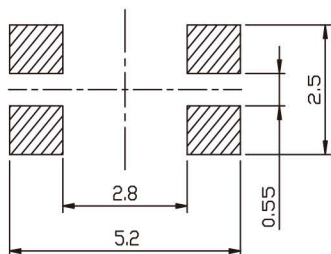
Tact Switch SMT Vertical Type

SPECIFICATIONS

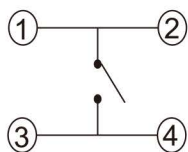
Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:100,000 Cycles
 Operating Force:180/250gf±50gf, 350gf±70gf, 400gf±100gf

MATERIAL

Base:LCP
 Terminal:Phosphor Bronze, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Stainless Steel
 Actuator:LCP



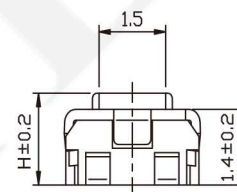
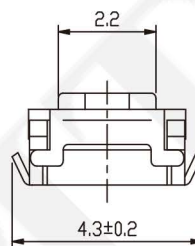
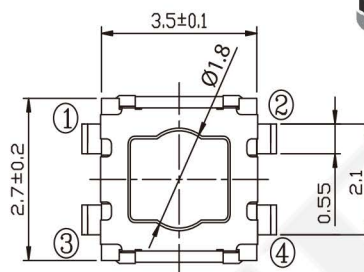
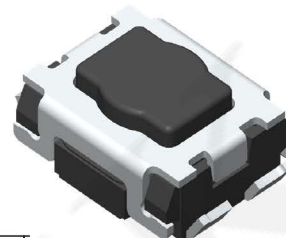
RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)



CIRCUIT DIAGRAM

6STMS07-XXX XXX X X X A01

Series Code	Operating Force	Actuator Color	H:T/R W/O Cap
017	180:180gf±50gf	W:Natural	N:W/O Peg
018	250:250gf±50gf	B:Black	W/O Ground With Shell
025	350:350gf±70gf		
	400:400gf±100gf		



TABLE

P/N	H	Actuator Color
6STMS07-017XXXWXXA01	1.7mm	Natural
6STMS07-018XXXWXXA01	1.8mm	Natural
6STMS07-018XXXBXXA01	1.8mm	Black
6STMS07-025XXXBXXA01	2.5mm	Black

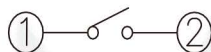
Tact Switch SMT Vertical Type

SPECIFICATIONS

Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 100mA MAX
 Contact Resistance:500mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:300,000 Cycles
 Operating Force:160gf±50gf

MATERIAL

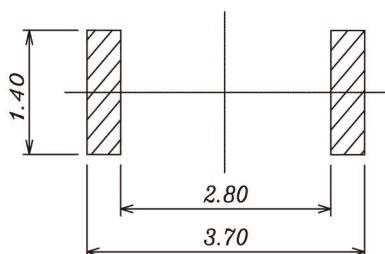
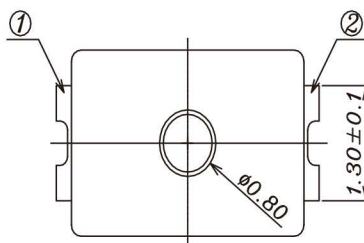
Base:PA6T
 Terminal:Phosphor Bronze, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Actuator:Polyamide



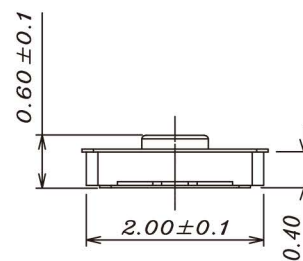
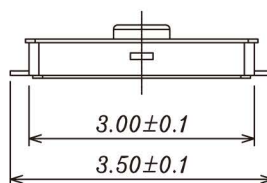
CIRCUIT DIAGRAM

6STMS09-006 XXX X X X A01

Operating Force	Actuator Color	H:T/R W/O Cap
160:160gf±50gf	B:Black	N:W/O Peg
		W/O Ground With Shell



RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)



Tact Switch SMT Vertical Type

SPECIFICATIONS

Dielectric Strength:250VAC / 1MIN

Rating:DC 12V 50mA MAX

Contact Resistance:100mΩ MAX

Insulation Resistance:100MΩ MIN

Operating Life:200,000 Cycles

Operating Force:80/120/160gf±30gf, 250gf±50gf, 400gf±100gf

MATERIAL

Base:LCP, Black

Terminal:Phosphor Bronze, Silver Plated

Contact:Stainless Steel, Silver Plated

Cover:Stainless Steel

Actuator:LCP

6STMS08-014 XXX X X X A01

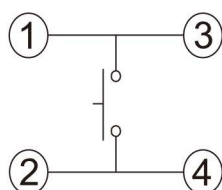
Operating Force
080:80gf±30gf
120:120gf±30gf
160:160gf±30gf
250:250gf±50gf
400:400gf±100gf

Actuator Color
W:Natural
B:Black

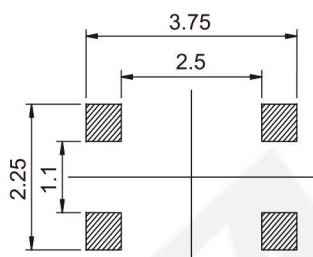
H:T/R W/O Cap

N:W/O Peg
W/O Ground
With Shell

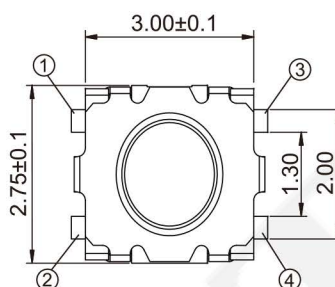
D:W/O Peg
With Ground
With Shell



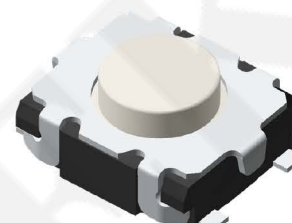
CIRCUIT DIAGRAM



RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)



◆ W/O Ground

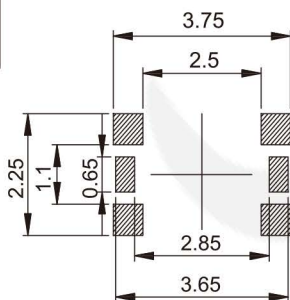
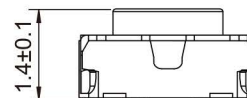
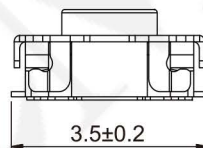


6STMS08-014 XXX XNX A01

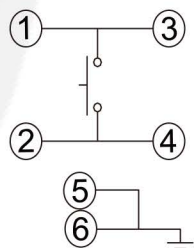
W/O Ground

TABLE

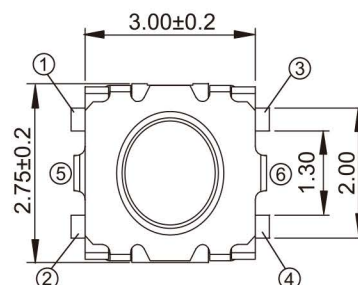
P/N	Operating Force
6STMS08-014080XNXA01	80 ± 30gf
6STMS08-014160XNXA01	160 ± 30gf
6STMS08-014250XNXA01	250 ± 50gf
6STMS08-014400XNXA01	400±100gf



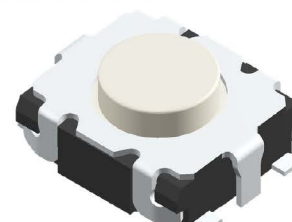
RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)



CIRCUIT DIAGRAM



◆ With Ground

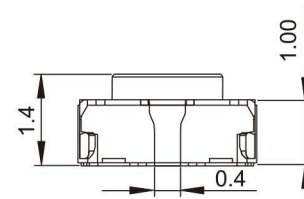
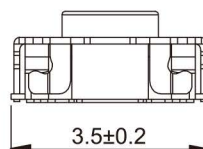


6STMS08-014 XXX XDX A01

With Ground

TABLE

P/N	Operating Force
6STMS08-014120XDXA01	120 ± 30gf
6STMS08-014160XDXA01	160 ± 30gf
6STMS08-014250XDXA01	250 ± 50gf
6STMS08-014400XDXA01	400±100gf



Tact Switch SMT Vertical Type

SPECIFICATIONS

Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:200,000 Cycles
 Operating Force:160/250gf±50gf

MATERIAL

Base: LCP
 Terminal:Phosphor Bronze, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Stainless Steel
 Actuator:LCP
 Tape Sealed:Polyimide

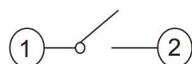
6STMS10-015 XXX X X X A01

Operating Force
 160:160gf±50gf
 250:250gf±50gf

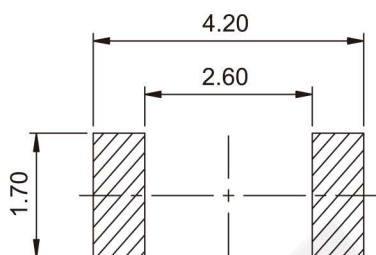
Actuator Color
 B:Black
 R:Red

H:T/R W/O Cap

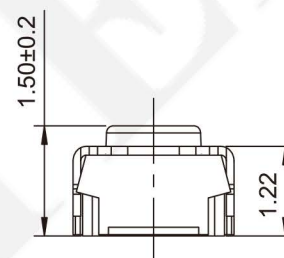
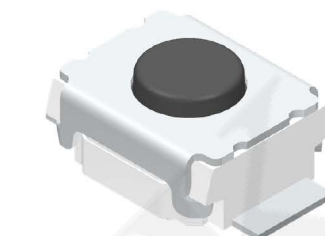
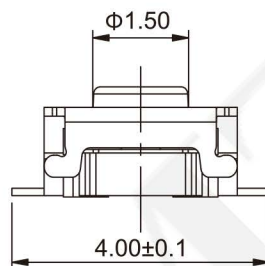
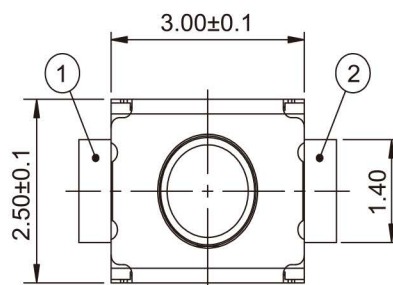
N:W/O Peg
 W/O Ground
 With Shell



CIRCUIT DIAGRAM



RECOMMENDED PCB LAYOUT
 (PCB TOLERANCE ±0.05)



Tact Switch SMT Vertical Type

SPECIFICATIONS

Dielectric Strength:250VAC /1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:100,000 Cycles
 Operating Force:250/300gf±50gf

MATERIAL

Base: Nylon 6T, Black
 Terminal: Brass, Silver Plated
 Contact: Stainless Steel, Silver Plated
 Cover: Stainless Steel
 Actuator: Silicone

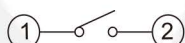
6STMS11-027 XXX X X X A01

Operating Force
 250:250gf±50gf
 300:300gf±50gf

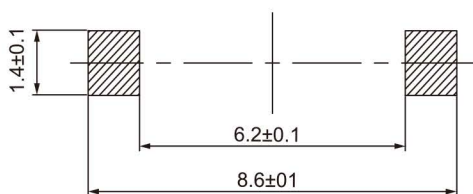
Actuator Color
 B:Black

H:T/R W/O Cap

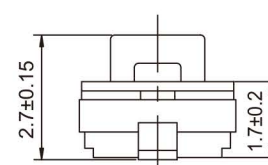
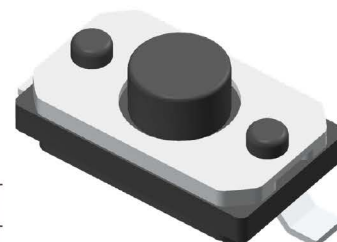
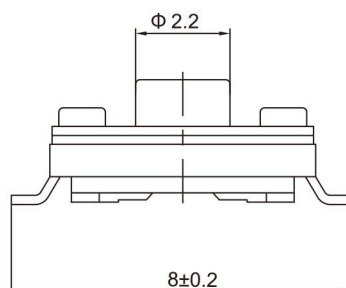
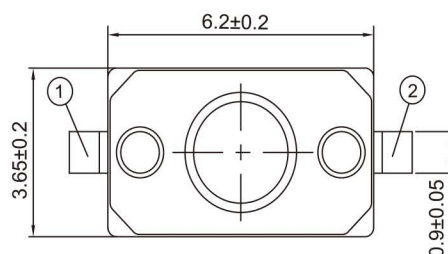
N:W/O Peg
 W/O Ground
 With Shell



CIRCUIT DIAGRAM



RECOMMENDED PCB LAYOUT
 (PCB TOLERANCE ±0.05)



Tact Switch SMT Vertical Type

SPECIFICATIONS

Dielectric Strength: 250VAC / 1MIN

Rating: DC 12V 50mA MAX

Contact Resistance: 100mΩ MAX

Insulation Resistance: 100MΩ MIN

Operating Life: 100,000 Cycles

Operating Force: 130gf±30gf, 180/250gf±50gf, 500gf±100gf

MATERIAL

Base: Nylon6T, Black

Terminal: Brass, Silver Plated

Contact: Stainless Steel, Silver Plated

Cover: Stainless Steel

Actuator: PPA

Tape Sealed: Polyimide

6STMS13-XXX XXX X X X A01

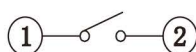
Series Code
025
031

Operating Force
130:130gf±30gf
180:180gf±50gf
250:250gf±50gf
500:500gf±100gf

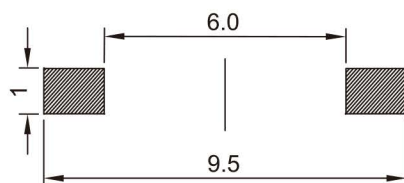
Actuator Color
R: Red
W: Natural
G: Gray

H: T/R W/O Cap

N: W/O Peg
W/O Ground
With Shell
D: W/O Peg
With Ground
With Shell



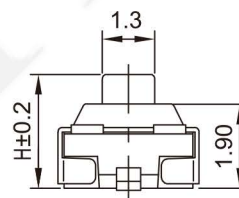
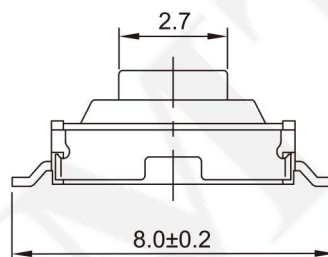
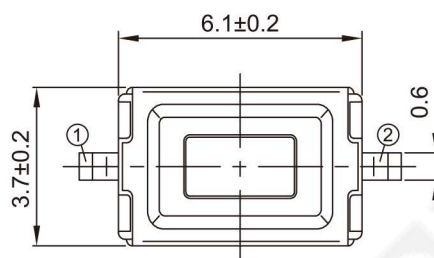
SCHEMATIC



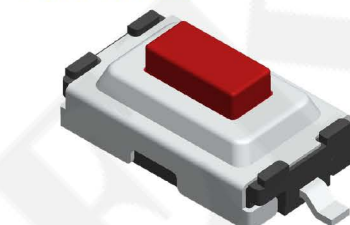
RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)

TABLE

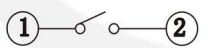
P/N	H	Actuator Color
6STMS13-025XXXRNXA01	2.5mm	Red
6STMS13-025XXXGNXA01		Gray
6STMS13-025XXXWNXA01		Natural
6STMS13-031XXXWNXA01	3.1mm	Natural



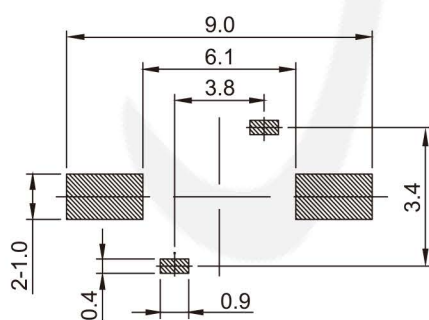
◆ W/O Ground



6STMS13-XXX XXX XNX A01
W/O Ground



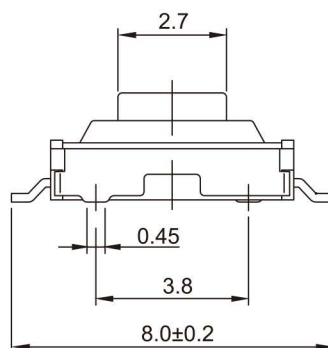
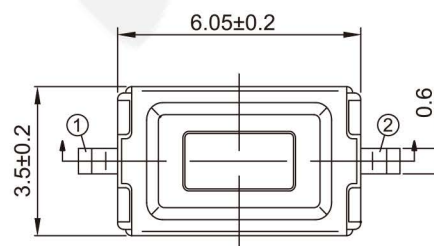
SCHEMATIC



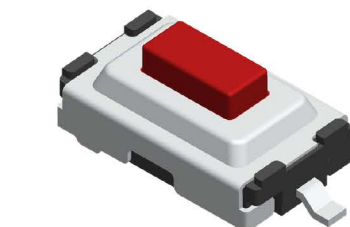
RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)

TABLE

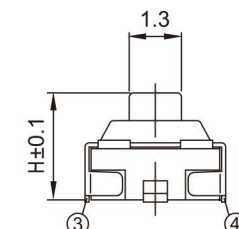
P/N	H	Actuator Color
6STMS13-025XXXRDXA01	2.5mm	Red
6STMS13-025XXXGDXA01		Gray
6STMS13-025XXXWDXA01		Natural
6STMS13-031XXXWDXA01	3.1mm	Natural



◆ With Ground



6STMS13-XXX XXX XDX A01
With Ground



Tact Switch SMT Vertical Type

SPECIFICATIONS

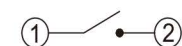
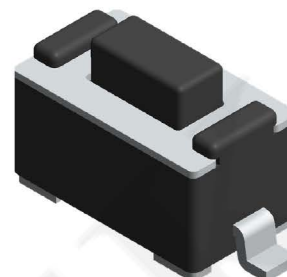
Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:100,000 Cycles
 Operating Force:130±30gf, 180/250gf±50gf, 320gf±70gf

MATERIAL

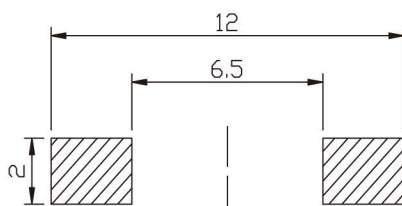
Base:Nylon 6T
 Terminal:Brass, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Stainless Steel
 Actuator:Nylon 6T

6STMS12-XXX XXX X X X A01

Series Code	Operating Force	Actuator Color	H:T/R W/O Cap
043	130:130gf±30gf	B:Black	N:W/O Peg
050	180:180gf±50gf		W/O Ground
	250:250gf±50gf		With Shell
	320:320gf±70gf		



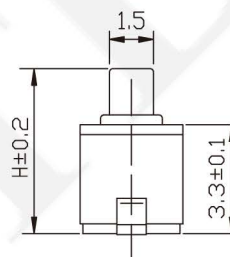
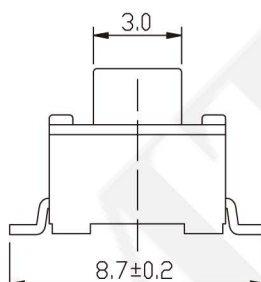
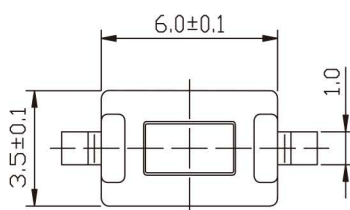
CIRCUIT DIAGRAM



RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)

TABLE

P/N	H
6STMS12-043XXXBXA01	4.3mm
6STMS12-050XXXBXA01	5.0mm



Tact Switch SMT Vertical Type

SPECIFICATIONS

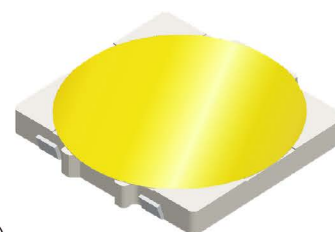
Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:300,000 Cycles
 Operating Force:160gf±30gf, 250gf±50gf, 300gf±70gf

MATERIAL

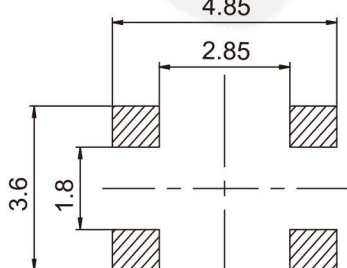
Base:LCP, Natural
 Terminal:Phosphor Bronze, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Tape Sealed:Polyimide

6STMS14-005 XXX X X X A01

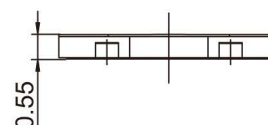
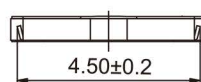
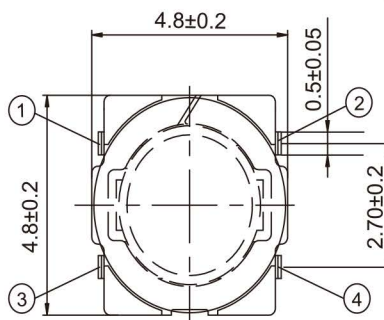
Operating Force	Actuator Color	H:T/R W/O Cap
160:160gf±30gf	Z:Metal	N:W/O Peg
250:250gf±50gf		W/O Ground
300:300gf±70gf		With Shell



CIRCUIT DIAGRAM



RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)



Tact Switch SMT Vertical Type

SPECIFICATIONS

Dielectric Strength:250VAC / 1MIN

Rating:DC 12V 50mA MAX

Contact Resistance:100mΩ MAX

Insulation Resistance:100MΩ MIN

Operating Life:500,000 Cycles

Operating Force:180/250gf±50gf, 320gf±70gf, 400gf±100gf

MATERIAL

Base:Nylon 6T, Black

Terminal:Brass, Silver Plated

Contact:Stainless Steel, Silver Plated

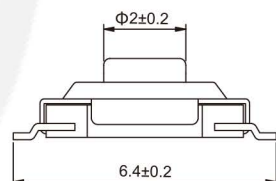
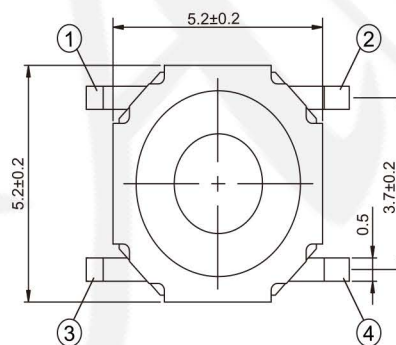
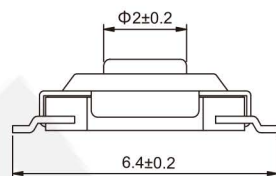
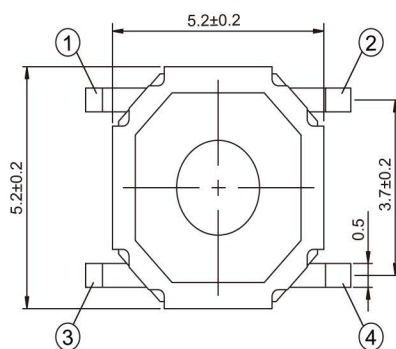
Cover:Stainless Steel

Actuator:Brass or PPA

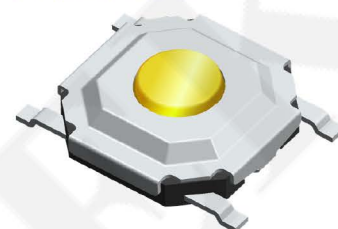
6STMS15-XXX XXX X X X A0X

Series Code	Operating Force	Actuator Color	H:T/R W/O Cap
015	180:180gf±50gf	Z: Metal	01: Square Cover
017	250:250gf±50gf	W: Natural	02: Round Cover
020	320:320gf±70gf	B: Black	
	400:400gf±100gf		

N:W/O Peg
W/O Ground
With Shell



◆ Square Cover



6STMS15-XXX XXX XXX A01
Square Cover



◆ Round Cover

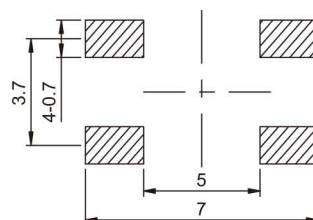


6STMS15-XXX XXX XXX A02
Round Cover

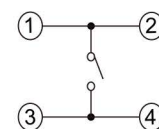


TABLE

P/N	H	Actuator	
		Color	Material
6STMS15-015XXXZXXA0X	1.5mm	Metal	Brass
6STMS15-015XXXWXXA0X		Natural	PPA
6STMS15-015XXXBXXA0X		Black	PPA
6STMS15-017XXXZXXA0X	1.7mm	Metal	Brass
6STMS15-020XXXZXXA0X	2.0mm	Metal	Brass



RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)



CIRCUIT DIAGRAM

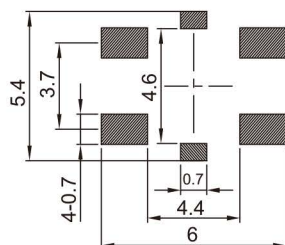
Tact Switch SMT Vertical Type

SPECIFICATIONS

Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:500,000 Cycles
 Operating Force:100gf±30gf, 180/250gf±50gf, 320gf±70gf

MATERIAL

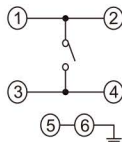
Base:LCP, Black
 Terminal:Brass, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Stainless Steel
 Actuator:Brass



RECOMMENDED PCB LAYOUT
 (PCB TOLERANCE ±0.05)

TABLE

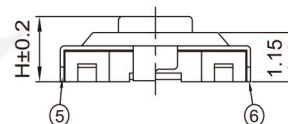
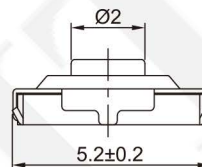
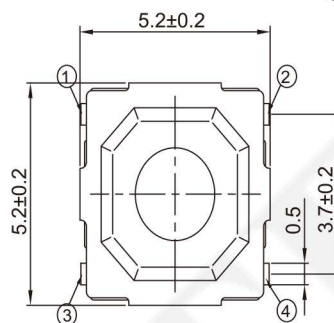
P/N	H
6STMS16-015XXXZXXA01	1.5mm
6STMS16-017XXXZXXA01	1.7mm
6STMS16-020XXXZXXA01	2.0mm
6STMS16-025XXXZXXA01	2.5mm



CIRCUIT DIAGRAM

6STMS16-XXX XXX X X X A01

Series Code	Operating Force	Actuator Color	H:T/R W/O Cap
015	100:100gf±30gf	Z: Metal	D:W/O Peg With Ground With Shell
017	180:180gf±50gf		
020	250:250gf±50gf		
025	320:320gf±70gf		



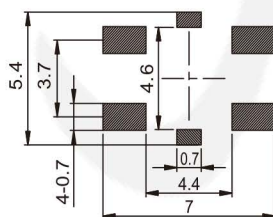
Tact Switch SMT Vertical Type

SPECIFICATIONS

Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:200,000 Cycles
 Operating Force:100gf±30gf, 180/250gf±50gf, 320gf±70gf

MATERIAL

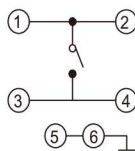
Base:LCP, Black
 Terminal:Brass, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Stainless Steel
 Actuator:Brass, Nickel Plated



RECOMMENDED PCB LAYOUT
 (PCB TOLERANCE ±0.05)

TABLE

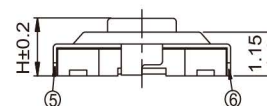
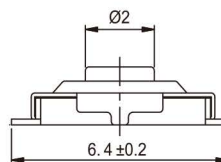
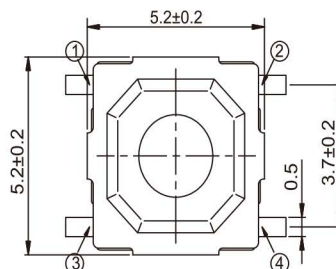
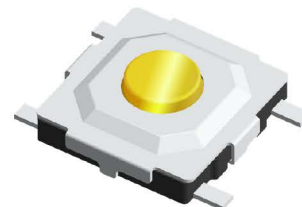
P/N	H
6STMS17-015XXXZXXA01	1.5mm
6STMS17-017XXXZXXA01	1.7mm
6STMS17-020XXXZXXA01	2.0mm
6STMS17-025XXXZXXA01	2.5mm
6STMS17-030XXXZXXA01	3.0mm



CIRCUIT DIAGRAM

6STMS17-XXX XXX X X X A01

Series Code	Operating Force	Actuator Color	H:T/R W/O Cap
015	100:100gf±30gf	Z: Metal	D:W/O Peg With Ground With Shell
017	180:180gf±50gf		
020	250:250gf±50gf		
025	320:320gf±70gf		
030			





Tact Switch SMT Vertical Type

SPECIFICATIONS

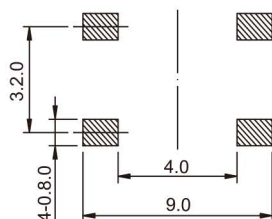
Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:500,000 Cycles
 Operating Force:100gf±30gf, 180/250gf±50gf

MATERIAL

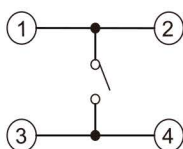
Base:Nylon 6T
 Terminal:Brass, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Stainless Steel
 Actuator:PPA

6STMS18-XXX XXX X X X A01

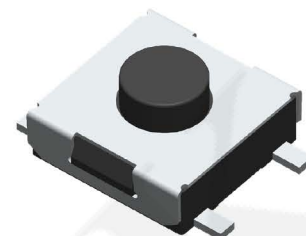
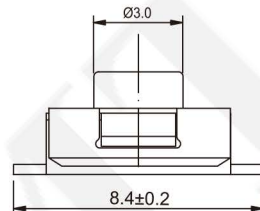
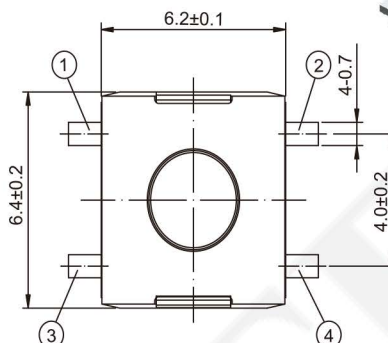
Series Code	Operating Force	Actuator Color	H:T/R W/O Cap
025	100:100gf±30gf	B:Black	N:W/O Peg W/O Ground With Shell
031	180:180gf±50gf	R:Red	
035	250:250gf±50gf		



RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)



CIRCUIT DIAGRAM



TABLE

P/N	H	Actuator Color
6STMS18-025XXXBXAA01	2.5mm	Black
6STMS18-025XXXRXAA01		Red
6STMS18-031XXXBXAA01	3.1mm	Black
6STMS18-035XXXBXAA01	3.5mm	Black

Tact Switch SMT Vertical Type

SPECIFICATIONS

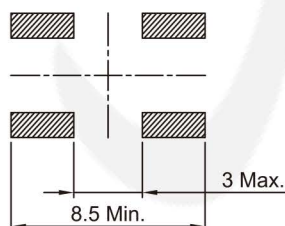
Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX. 10uA, 1V DC MIN.
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:3,000,000 Cycles
 Operating Force:120gf±30gf, 180/250gf±50gf, 350gf±70gf
 400/500gf±100gf, 700gf±150gf

MATERIAL

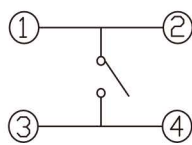
Base:Nylon 6T
 Terminal:Brass, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Brass
 Actuator:PPA

6STMS19-XXX XXX X X X A01

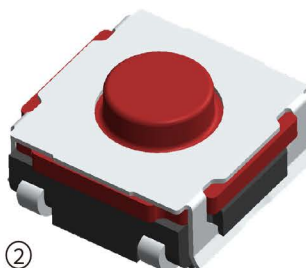
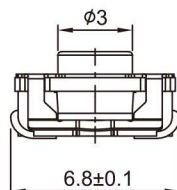
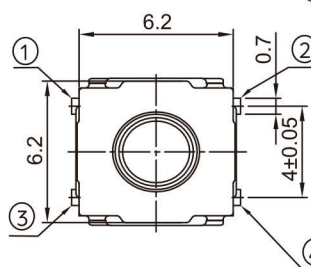
Series Code	Operating Force	Actuator Color	H:T/R W/O Cap
026 049	120:120gf±30gf 400:400gf±100gf	W:Natural	N:W/O Peg W/O Ground With Shell
035 052	180:180gf±50gf 500:500gf±100gf	U:Blue	
043	250:250gf±50gf 700:700gf±150gf	R:Red	
	350:350gf±70gf	O:Orange	



RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)



CIRCUIT DIAGRAM



TABLE

P/N	H	Actuator Color
6STMS19-026XXXUXXA01	2.6mm	Blue
6STMS19-035XXXXXXA01	3.5mm	Natural, Blue, Red, Orange
6STMS19-043XXXWXXA01	4.3mm	Natural
6STMS19-049XXXWXXA01	4.9mm	Natural
6STMS19-052XXXXXXA01	5.2mm	Natural, Blue, Red, Orange

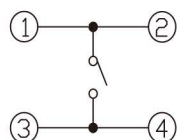
Tact Switch SMT Vertical Type

SPECIFICATIONS

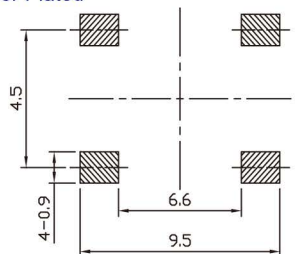
Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:100,000 Cycles
 Operating Force:100gf±30gf, 180/250gf±50gf

MATERIAL

Base:Nylon 6T
 Terminal:Brass, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Stainless Steel
 Actuator:PPA



CIRCUIT DIAGRAM



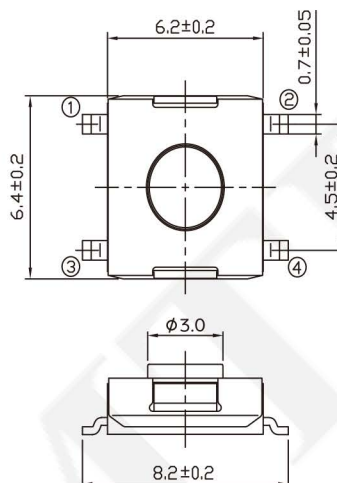
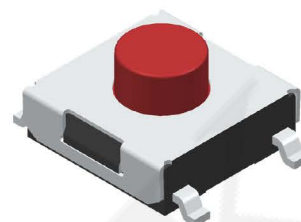
RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)

TABLE

P/N	H	Actuator Color
6STMS20-025XXXBXXA01	2.5mm	Black
6STMS20-025XXXRXXA01		Red
6STMS20-031XXXBXXA01	3.1mm	Black
6STMS20-031XXXRXXA01		Red
6STMS20-034XXXPXXA01	3.4mm	Pink
6STMS20-035XXXRXXA01	3.5mm	Red
6STMS20-050XXXBXXA01	5.0mm	Black

6STMS20-XXX XXX X X X A01

Series Code	Operating Force	Actuator Color	H:T/R W/O Cap
025 035	100:100gf±30gf	B:Black	N:W/O Peg W/O Ground With Shell
031 050	180:180gf±50gf	R:Red	
034	250:250gf±50gf	P:Pink	



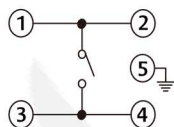
Tact Switch SMT Vertical Type

SPECIFICATIONS

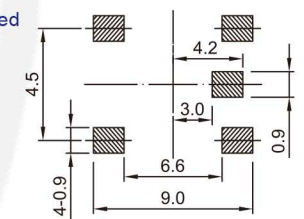
Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:200,000 Cycles
 Operating Force:90gf±30gf, 180/250gf±50gf

MATERIAL

Base:PPA
 Terminal:Brass, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Brass
 Actuator:PPA



CIRCUIT DIAGRAM



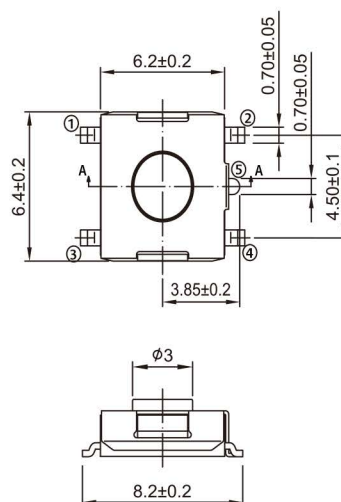
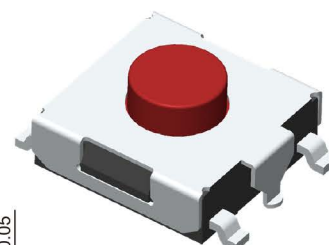
RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)

TABLE

P/N	H	Actuator Color
6STMS21-025XXXBXXA01	2.5mm	Black
6STMS21-025XXXRXXA01		Red
6STMS21-031XXXBXXA01	3.1mm	Black
6STMS21-031XXXRXXA01		Red
6STMS21-033XXXBXXA01	3.3mm	Black
6STMS21-034XXXBXXA01	3.4mm	Black
6STMS21-034XXXRXXA01		Red
6STMS21-035XXXRXXA01	3.5mm	Red
6STMS21-035XXXPXXA01		Pink
6STMS21-050XXXBXXA01	5.0mm	Black

6STMS21-XXX XXX X X X A01

Series Code	Operating Force	Actuator Color	H:T/R W/O Cap
025 034	090:90gf±30gf	R:Red	D:W/O Peg With Ground With Shell
031 035	180:180gf±50gf	B:Black	
033 050	250:250gf±50gf	P:Pink	



Tact Switch SMT Vertical Type

SPECIFICATIONS

Dielectric Voltage:250VAC / 1MIN

Rating:DC 12V 50mA MAX

Contact Resistance:100mΩ MAX

Insulation Resistance:100MΩ MIN

Operating Life:100,000 Cycles

Operating Force:120gf±30gf, 180/250gf±50gf
320gf±70gf, 400/600gf±100gf

MATERIAL

Base:Nylon 6T, Black

Terminal:Brass, Silver Plated

Contact:Stainless Steel Silver Plated

Cover:Stainless Steel

Actuator:Silicone or LCP

6STMS22-XXX XXX X X X A01

Series Code
026
035
043
049
052
072
077

Operating Force
120:120gf±30gf
180:180gf±50gf
250:250gf±50gf
320:320gf±70gf
400:400gf±100gf
600:600gf±100gf

Actuator Color
W:Natural
U:Blue
R:Red
B:Black
O:Orange

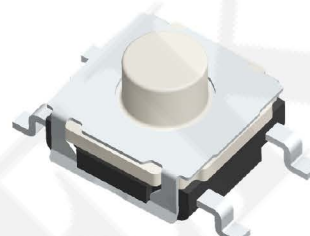
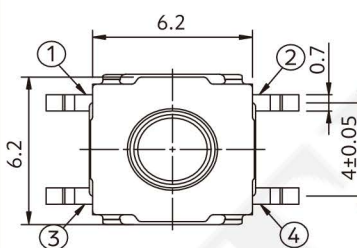
※See Table

H:T/R W/O Cap

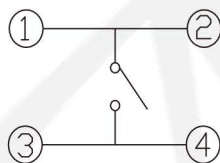
N:W/O Peg
W/O Ground
With Shell

TABLE

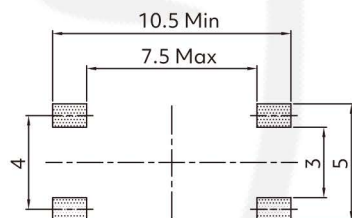
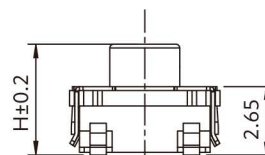
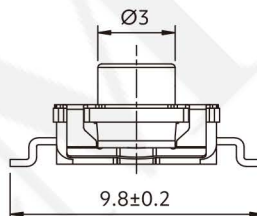
P/N	H	Actuator	
		Color	Material
6STMS22-026XXXUXXA01	2.6mm	Blue	Silicone
6STMS22-035XXXWXXA01	3.5mm	Natrual	
6STMS22-035XXXUXXA01		Blue	
6STMS22-043XXXWXXA01	4.3mm	Natrual	
6STMS22-049XXXWXXA01	4.9mm	Natrual	
6STMS22-052XXXWXXA01	5.2mm	Natrual	
6STMS22-052XXXUXXA01		Blue	
6STMS22-052XXXRXXA01		Red	
6STMS22-052XXXOXXA01		Orange	



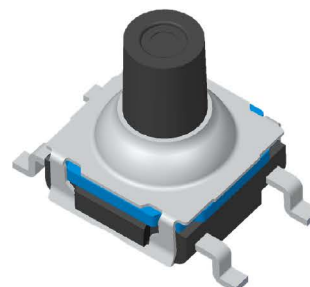
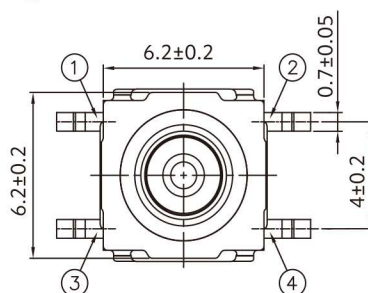
6STMS22-026XXX XXX A01
6STMS22-035XXX XXX A01
6STMS22-043XXX XXX A01
6STMS22-049XXX XXX A01
6STMS22-052XXX XXX A01



CIRCUIT DIAGRAM



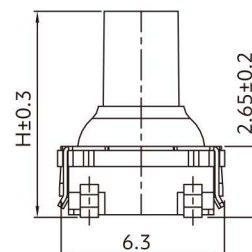
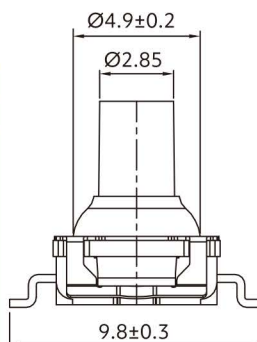
RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)



6STMS22-072XXX XXX A01
6STMS22-077XXX XXX A01

TABLE

P/N	H	Operating Force	Actuator	
			Color	Material
6STMS22-072180RXXA01	7.2mm	180gf±50gf	Red	LCP
6STMS22-072180BXXA01			Black	
6STMS22-072250RXXA01		250gf±50gf	Red	
6STMS22-072250BXXA01			Black	
6STMS22-077180RXXA01	7.7mm	180gf±50gf	Red	
6STMS22-077180BXXA01			Black	
6STMS22-077250RXXA01		250gf±50gf	Red	
6STMS22-077250BXXA01			Black	



Tact Switch SMT Vertical Type

SPECIFICATIONS

Dielectric Strength:250VAC / 1MIN

Rating:DC 12V 50mA MAX

Contact Resistance:100mΩ MAX

Insulation Resistance:100MΩ MIN

Operating Life:100,000 Cycles

Operating Force:160gf±30gf, 250gf±50gf, 400gf±100gf

MATERIAL

Base:Nylon 6T, Black

Terminal: Brass, Silver Plated

Contact: Stainless Steel, Silver Plated

Cover:Stainless Steel

Actuator:PPA

Tape Sealed:Polyimide

Internal Presser:PPA, Black

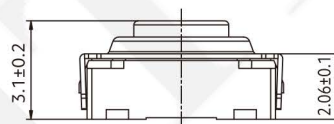
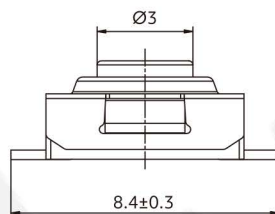
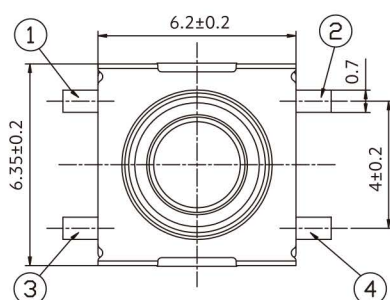
6STMS23-031 XXX X X X A0X

Operating Force
160:160gf±30gf
250:250gf±50gf
400:400gf±100gf

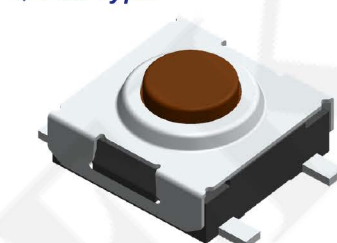
Actuator Color
N:Brown

H:T/R W/O Cap
N:W/O Peg W/O Ground With Shell

SMT Type
01:Flat Type
02:U Type

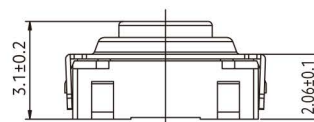
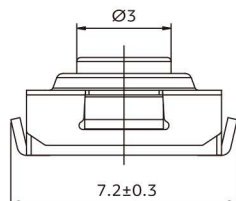
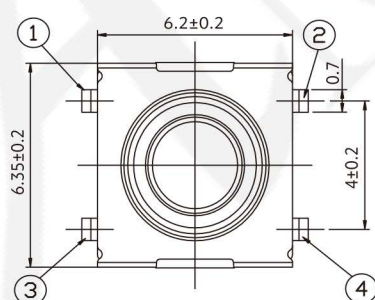


Flat Type

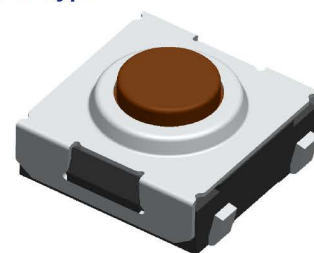


6STMS23-031 XXX XXX A01

Flat Type



U Type

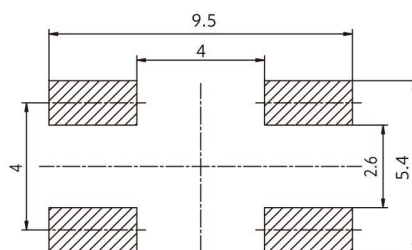


6STMS23-031 XXX XXX A02

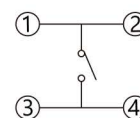
UType

TABLE

P/N	Operating Force
6STMS23-031160NXXA01	160gf ± 30gf
6STMS23-031250NXXA01	250gf ± 50gf
6STMS23-031160NXXA02	160gf ± 30gf
6STMS23-031250NXXA02	250gf ± 50gf
6STMS23-031400NXXA02	400gf±100gf



RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)



CIRCUIT DIAGRAM

Tact Switch SMT Vertical Type

SPECIFICATIONS

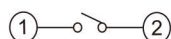
Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:100,000 Cycles
 Operating Force:180 / 250gf±50gf, 320gf±70gf

MATERIAL

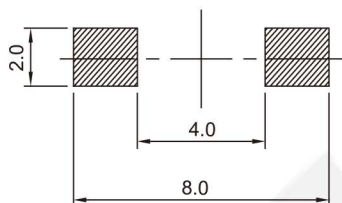
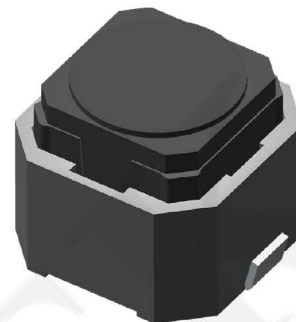
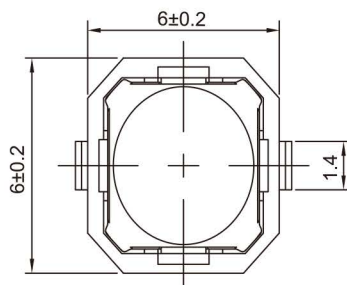
Base:LCP, Black
 Terminal:Brass, Silver Plated
 Contact:Phosphor Bronze, Silver Plated
 Cover:Nylon 9T, Black
 Actuator:Silicone

6STMS24-050 XXX X X X A01

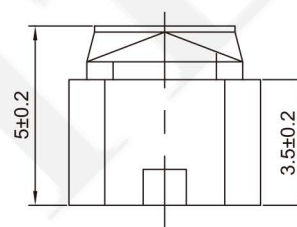
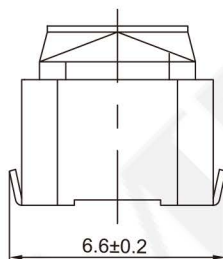
Operating Force 180:180gf±50gf 250:250gf±50gf 320:320gf±70gf	Actuator Color B:Black	H:T/R W/O Cap N:W/O Peg W/O Ground With Shell
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CIRCUIT DIAGRAM



RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)



Tact Switch SMT Vertical Type

SPECIFICATIONS

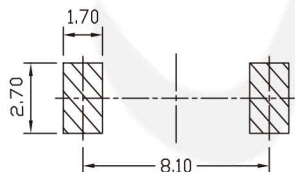
Dielectric Strength:250VAC / 1MIN
 Rating:DC 16V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:500,000 Cycles
 Operating Force:250gf±50gf, 320gf±70gf
 400/700gf±100gf, 1000gf±200gf

MATERIAL

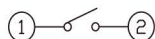
Base:LCP
 Terminal: Brass, Silver Plated
 Contact: Stainless Steel, Silver Plated
 Cover:Stainless Steel
 Actuator:Silicone

6STMS25-040 XXX X X X A01

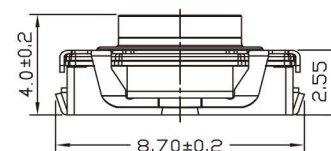
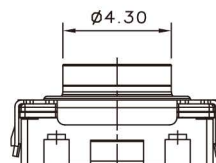
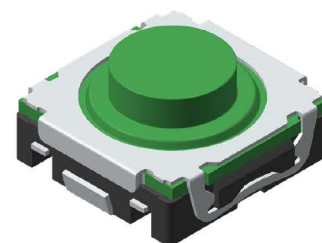
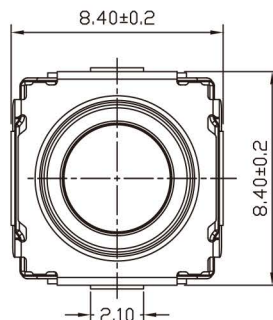
Operating Force 250:250gf±50gf 320:320gf±70gf 400:400gf±100gf 700:700gf±100gf A00:1000gf±200gf	Actuator Color E:Green Y:Yellow U:Blue	H:T/R W/O Cap N:W/O Peg W/O Ground With Shell
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RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)



CIRCUIT DIAGRAM



TABLE

P/N	Operating Force	Actuator Color
6STMS25-040250EXXA01	250gf ± 50gf	Green
6STMS25-040320EXXA01	320gf ± 50gf	Green
6STMS25-040400EXXA01	400gf±100gf	Green
6STMS25-040700YXXA01	700gf±100gf	Yellow
6STMS25-040A00UXXA01	1000gf±200gf	Blue

Tact Switch SMT Vertical Type

SPECIFICATIONS

Dielectric Strength:500VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:200,000 Cycles
 Operating Force:300gf±70gf, 400gf±100gf

MATERIAL

Base:Nylon 6T, Black
 Terminal:Brass, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Nylon 6T
 Actuator:Silicone

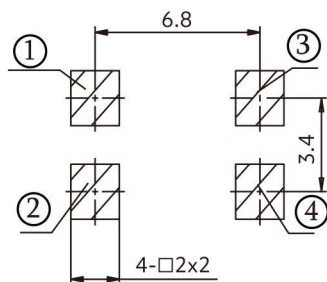
6STMS26-047 XXX X X X A01

Operating Force
 300:300gf±70gf
 400:400gf±100gf

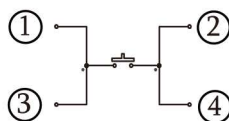
Actuator Color
 U:Blue
 O:Orange

H:T/R W/O Cap

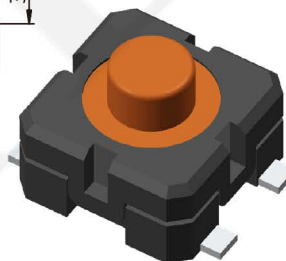
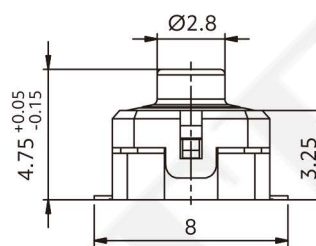
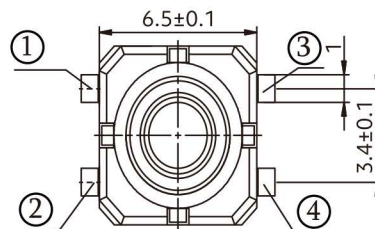
N:W/O Peg
 W/O Ground
 With Shell



RECOMMENDED PCB LAYOUT
 (PCB TOLERANCE ±0.05)



CIRCUIT DIAGRAM



TABLE

P/N	Operating Force	Actuator Color
6STMS26-047300UXXA01	300gf ± 70gf	Blue
6STMS26-047400OXXA01	400gf±100gf	Orange

Tact Switch SMT Right Angle Type

SPECIFICATIONS

Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:100,000 Cycles
 Operating Force:180/250gf±50gf

MATERIAL

Base:LCP, Black
 Terminal:Phosphor Bronze, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Phosphor Bronze
 Actuator:LCP

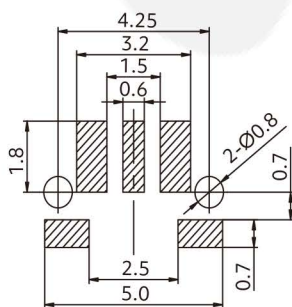
6STMR01-034 XXX X X X A01

Operating Force
 180:180gf±50gf
 250:250gf±50gf

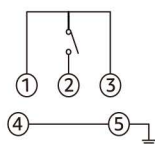
Actuator Color
 W:Natural
 B:Black

H:T/R W/O Cap

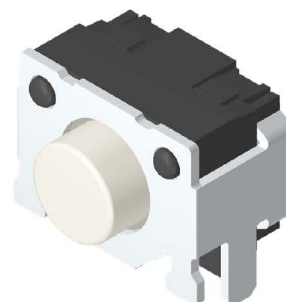
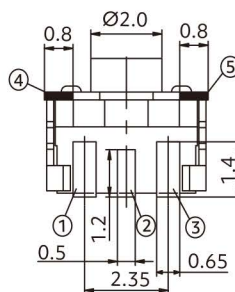
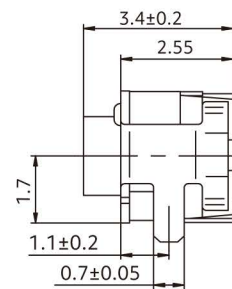
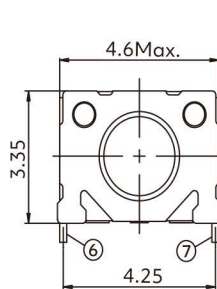
A:With Peg
 With Ground
 With Shell



RECOMMENDED PCB LAYOUT
 (PCB TOLERANCE ±0.05)



CIRCUIT DIAGRAM



Tact Switch SMT Right Angle Type

SPECIFICATIONS

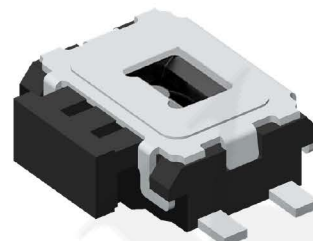
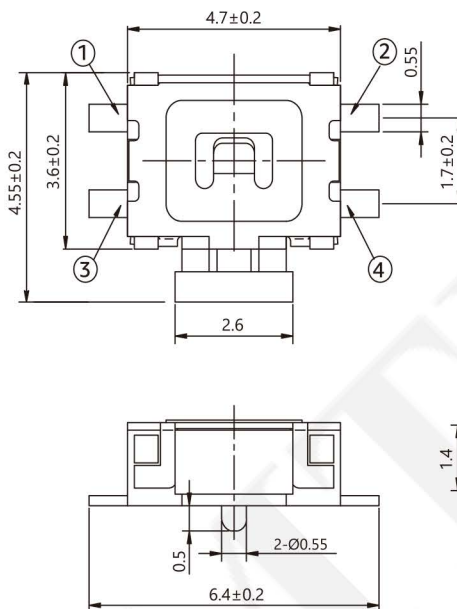
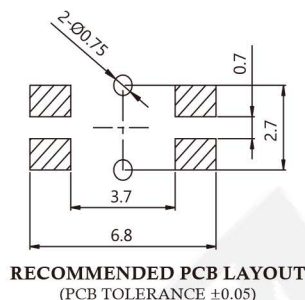
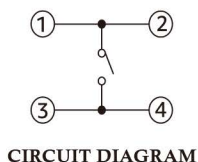
Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:100,000 Cycles
 Operating Force:120gf±30gf, 180/250gf±50gf

MATERIAL

Base:LCP, Black
 Terminal:Phosphor Bronze, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Stainless Steel
 Actuator:Nylon 46
 Tape Sealed:Polyimide

6STMR02-045 XXX X X X A01

Operating Force 120:120gf±30gf 180:180gf±50gf 250:250gf±50gf	Actuator Color B:Black	H:T/R W/O Cap P:With Peg W/O Ground With Shell
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Tact Switch SMT Right Angle Type

SPECIFICATIONS

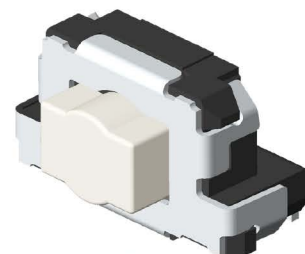
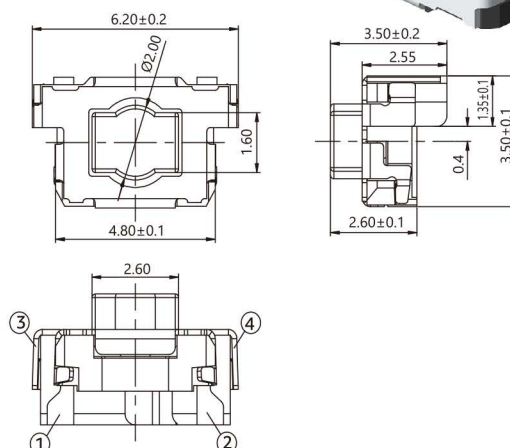
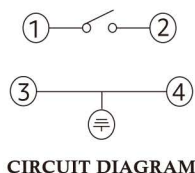
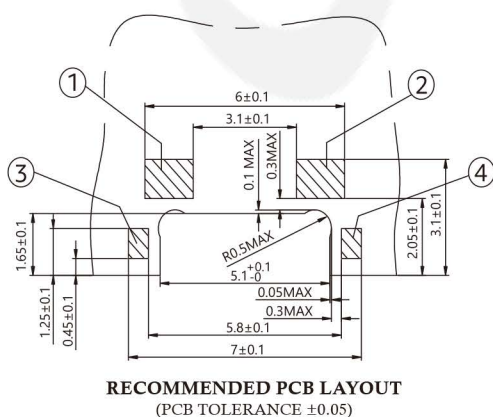
Dielectric Voltage:250VAC / 1MIN
 Rating:DC 15V 20mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:300,000 Cycles
 Operating Force:180gf±50gf

MATERIAL

Base:LCP
 Terminal:Phosphor Bronze, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Stainless Steel
 Actuator:LCP

6STMR03-035 XXX X X X A01

Operating Force 180:180gf±50gf	Actuator Color W:Natural	H:T/R W/O Cap D:W/O Peg With Ground With Shell
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Tact Switch SMT Right Angle Type

SPECIFICATIONS

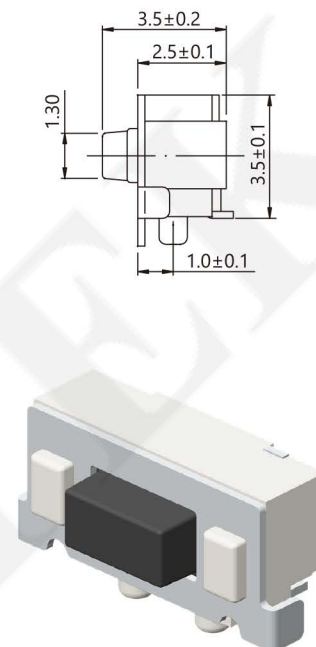
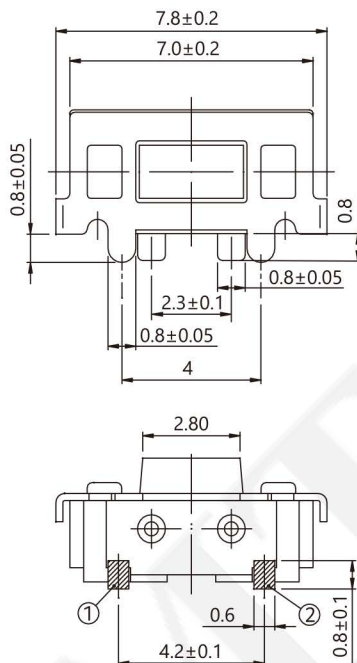
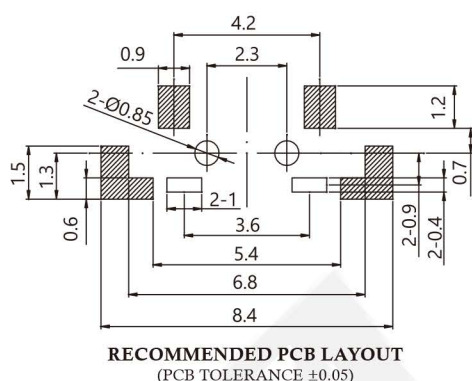
Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:30,000 Cycles
 Operating Force:250gf±50gf

MATERIAL

Base:LCP, Natural
 Terminal:Brass, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Brass
 Actuator:LCP

6STMR04-035 XXX X X X A01

Operating Force 250:250gf±50gf	Actuator Color B:Black	H:T/R W/O Cap
		P:With Peg W/O Ground With Shell



Tact Switch SMT Right Angle Type

SPECIFICATIONS

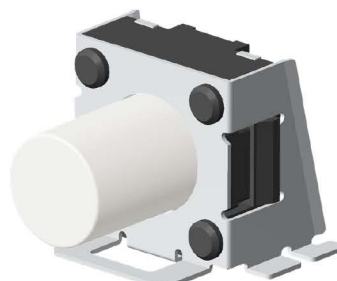
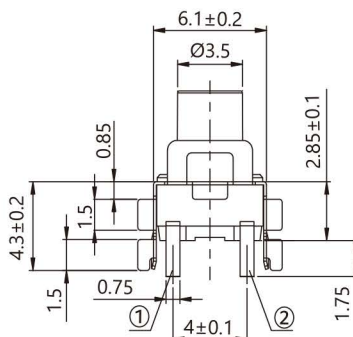
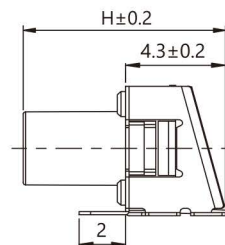
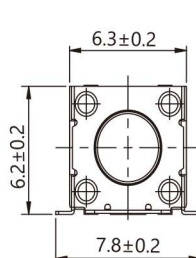
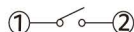
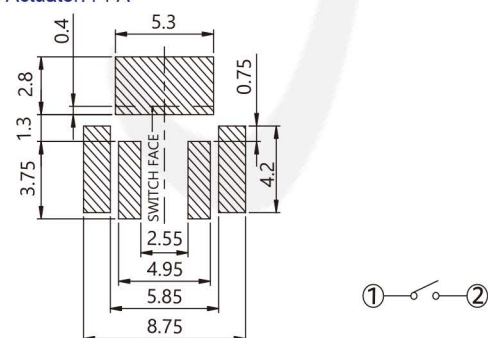
Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:200,000 Cycles
 Operating Force:180/250gf±50gf

MATERIAL

Base: Nylon 6T
 Terminal: Brass, Silver Plated
 Contact: Stainless Steel, Silver Plated
 Cover: Stainless Steel
 Actuator: PPA

6STMR05-XXX XXX X X X A01

Series Code 066 087	Operating Force 180:180gf±50gf 250:250gf±50gf	Actuator Color W:Natural	H:T/R W/O Cap
			N:W/O Peg W/O Ground With Shell



TABLE

P/N	H
6STMR05-066XXXXXXA01	6.6mm
6STMR05-087XXXXXXA01	8.7mm

Tact Switch SMT Right Angle Type

SPECIFICATIONS

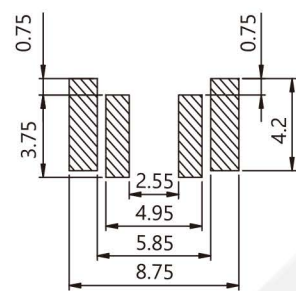
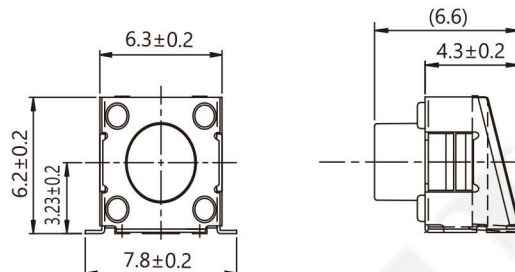
Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:100,000 Cycles
 Operating Force:180gf±50gf

MATERIAL

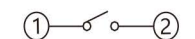
Base:Nylon 6T, Natural
 Terminal:Brass, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Stainless Steel
 Actuator:PPA

6STMR06-066 XXX X X X A01

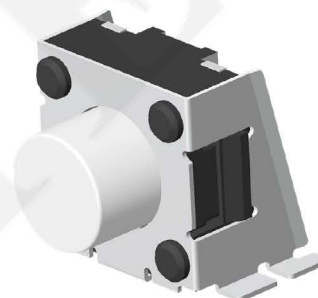
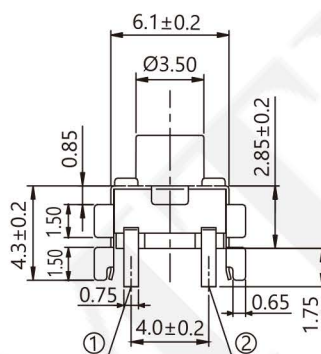
Operating Force 180:180gf±50gf	Actuator Color W:Natural	H:T/R W/O Cap N:W/O Peg W/O Ground With Shell
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RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)



CIRCUIT DIAGRAM



Tact Switch SMT Right Angle Type

SPECIFICATIONS

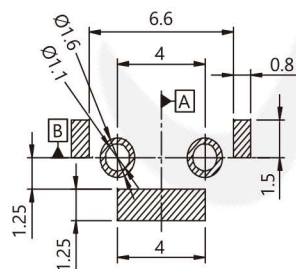
Dielectric Strength:250VAC / 1MIN
 Rating:DC 12V 50mA MAX
 Contact Resistance:100mΩ MAX
 Insulation Resistance:100MΩ MIN
 Operating Life:100,000 Cycles
 Operating Force:180/250gf±50gf, 320gf±70gf

MATERIAL

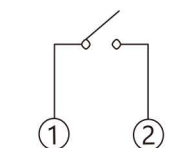
Base:Nylon 6T
 Terminal:Brass, Silver Plated
 Contact:Stainless Steel, Silver Plated
 Cover:Stainless Steel
 Actuator:Rubber

6STMR07-XXX XXX X X X A01

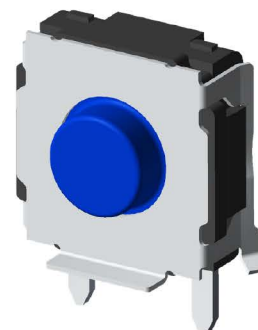
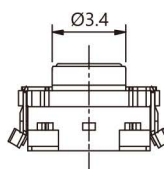
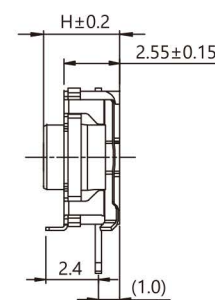
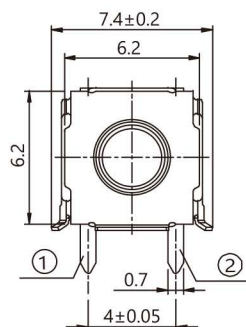
Series Code	Operating Force	Actuator Color	H:T/R W/O Cap
035	180:180gf±50gf	W:Natural	P:With Peg W/O Ground With Shell
043	250:250gf±50gf	U:Blue	
049	320:320gf±70gf		
052			



RECOMMENDED PCB LAYOUT
(PCB TOLERANCE ±0.05)



CIRCUIT DIAGRAM



TABLE

P/N	H	Actuator Color
6STMR07-035XXXWXXA01	3.5mm	Natural
6STMR07-043XXXWXXA01	4.3mm	Natural
6STMR07-049XXXUXXA01	4.9mm	Blue
6STMR07-052XXXUXXA01	5.2mm	Blue

AMTEK

CONNECTORS MANUFACTURE

AMTEK

