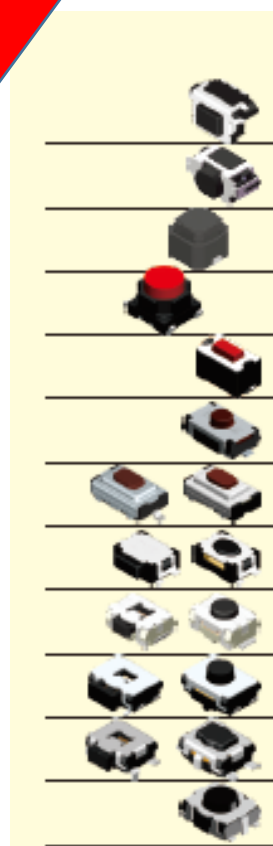




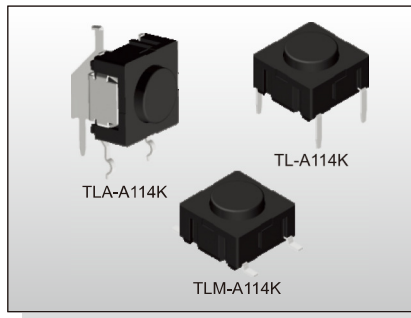
Series	Contact Type	Features	Dimensions(mm)	Page
DTST-6	Silver	Radial Taping	6,2x6,2	102
KTSC-(6)(2)		Cap for 6x6/12x12 Tact Switch	Round / Square	103
DTS()W-2	Silver	Washable	12,0x12,0	104
T6W NEW	Gold / Silver	Long Travel SMT	6,2x6,2	107
DTSHW-6	Gold / Silver	Washable	6,2x6,3	109
DTS(G)MW-6	Gold / Silver	Washable	6,2x6,3	111
DTSJW-6	Gold / Silver	Washable	6,2x6,3	113
DTSJW()-6	Gold / Silver	Washable	6,2x6,3	115
DTSYHL-6	Silver	Thinner Type Pitch 4,0mm	6,2x6,2	116
DTS(G)ZML-6	Silver	Thinner Type Pitch 4,5mm	6,2x6,0	117
DTS(G)(L)(F)-6	Silver	Thinner Type Pitch 4,0mm	6,2x6,4	119
TA3	Gold / Silver	Right Angle (SMT)	6,3x6,18 / 7, 11	121
TA-6	Silver	Right Angle (SMT)	6,1x6,6	123
T1B NEW	Silver	H:0,55mm	2,6x1,6	125
T1A	Silver	H:0,60mm	2,8x1,9	126
T3AL	Silver	H:0,45mm / 0,65mm	2,6x3,0	127
T3BL	Silver	H:0,35mm	3,7x3,7	128
T3C	Silver	H:0,60mm	3,0x2,0	129
T4BJ	Silver	H:0,55mm	4,8x4,8	130
TJ-4	Silver	H:0,55 mm	4,4x4,4	131
T()E-5	Gold / Silver	H:0,8 mm / H:1,5mm	5,2x5,2	132
T6H	Gold / Silver	Through Hole, Right Angle, SMT	7,4x7,4 / 8,0x8,0	134
1188	Silver	Side Push	3,5x7,0	136
TA(C)(2)-3	Silver	Side Push	3,95x7,3 / 4,65x7,0	138
TAF	Silver	Side Push	3,3x4,5	141
MTA2	Silver	Side Push Sealed	1,8x4,5	142
TCD	Silver	PCB Sealed Type Side Push	1,7x4,5	143
TCE	Silver	Side Push	1,65x3,8	144
T1C NEW	Silver	Side Push Mid-mount	2,8x1,95	145



Series	Contact Type	Features	Dimensions(mm)	Page
TCF	Silver	Side Push Mid-mount	2.9x4.5	146
TCH	Silver	Right Angle	4.5x2.2	147
T6L NEW	Silver	Long Travel SMT	5.9x6.0	148
LTL-6	Silver	Long Travel	6.2x6.2	149
DTS-3	Silver	Through Hole & SMT	3.5x6.0	150
TAE	Gold / Silver	Thinner (H:2.5mm)	3.8x6.0	152
T(M)(J)G-325	Silver	Thinner (H:2.5mm)	3.7x6.0	153
IPT	Gold / Silver	Side / Vertical Push	2.8x3.8	154
MPT	Silver	Side / Vertical Push	2.9x3.9	155
PT	Silver	Side / Vertical Push	3.5x4.7	156
TBF	Silver	Side / Vertical Push	2.9x3.5	158
TBE	Silver	Vertical Push	2.7x3.0	160

TACT SWITCH TL()-A1 SERIES

10x10
High Reliability



FEATURES

- ※ Sealed
- ※ Long life of 10million
- ※ Variety of actuator lengths

APPLICATION

- ※ Music instrument
- ※ Intercom system
- ※ Industrial

SPECIFICATION

Contact Rating	0.5~50mA, 24V DC
Contact Resistance	30mΩ max.
Insulation Resistance	10MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	300±75gf
Travel	1mm
Operating Life	10,000, 000 cycles
Operating Temp.	-40°C ~ +160°C
Storage Temp.	-40°C ~ +160°C

HOW TO ORDER

TL ☐ - A 1 1 4 K - Q - ☐

Solder Type:
☐=Through Hole
M=S.M.T.
A=Right Angle

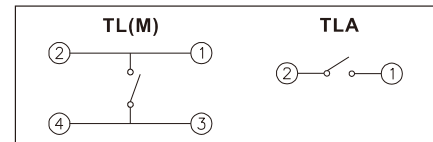
Package:
B=Tube
(For Through Hole Type)
T/R=Tape & Reel(For S.M.T. Type)

Halogen Free

Button Color:
Black

Operating Force:
300gf

CIRCUIT



PACKAGE

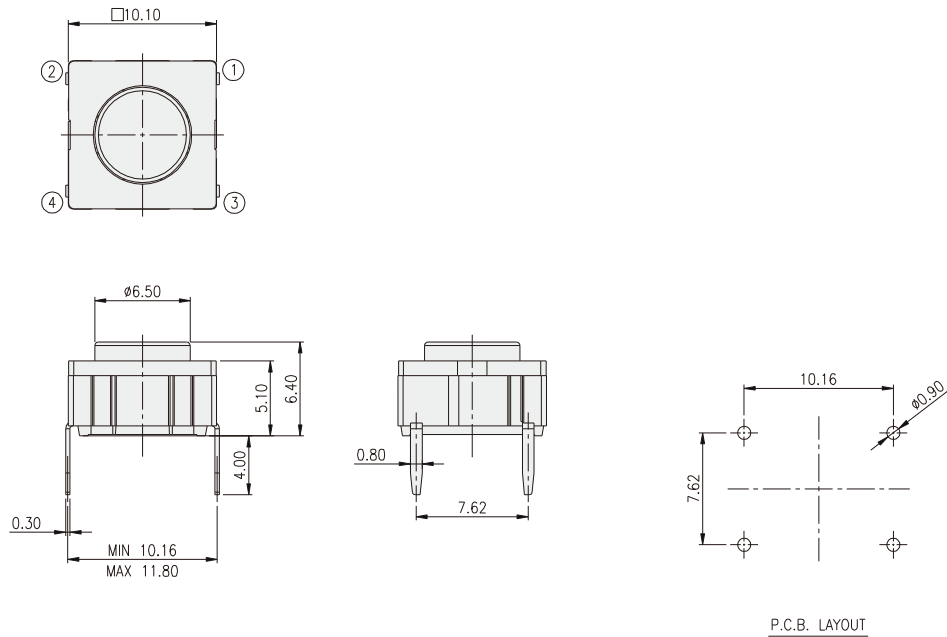
<Tube>

TL(A): 45 pcs

<Tape & Reel>

TLM: 650 pcs

TL-A114K



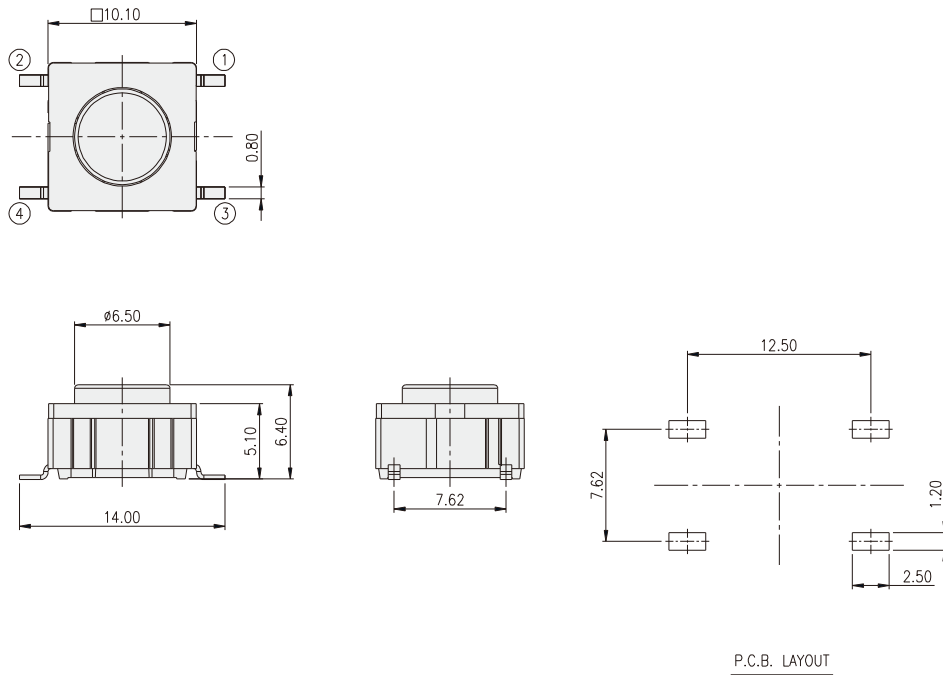
P.C.B. LAYOUT

TACT SWITCH
TL()-A1 SERIES

10x10
High Reliability

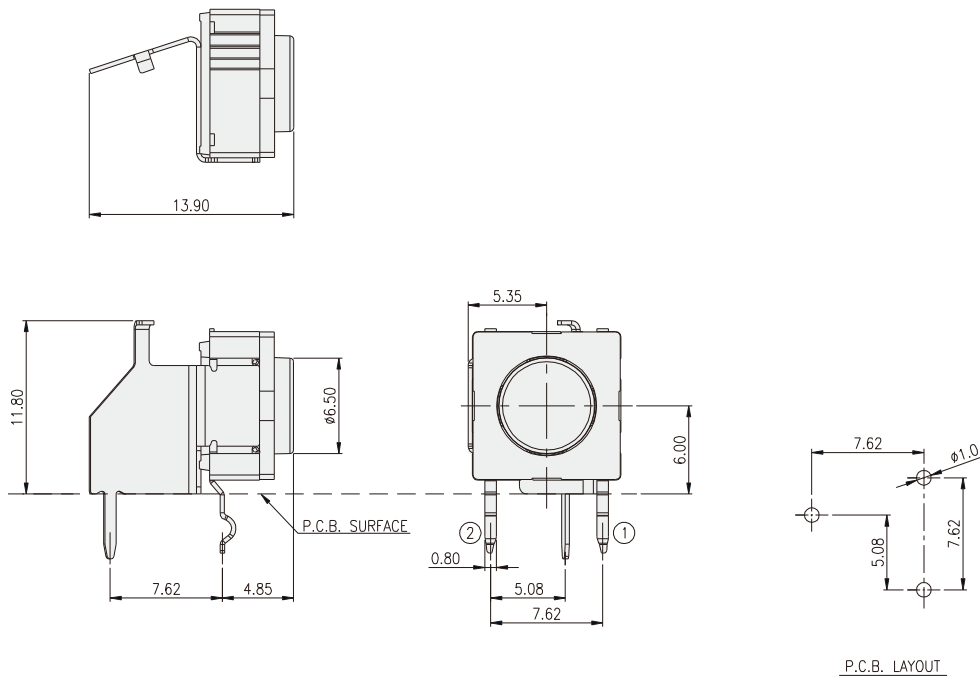


TLM-A114K



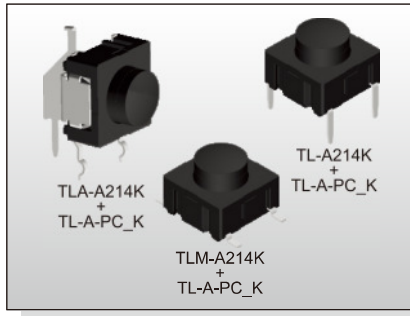
TACT SWITCH

TLA-A114K



TACT SWITCH TL()-A2 SERIES

10x10
High Reliability



FEATURES

- ※ Sealed
- ※ Long life of 10million
- ※ Variety of actuator lengths

APPLICATION

- ※ Music instrument
- ※ Intercom system
- ※ Industrial

SPECIFICATION

Contact Rating	0.5~50mA, 24V DC
Contact Resistance	30mΩ max.
Insulation Resistance	10MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	300±75gf
Travel	1mm
Operating Life	10,000, 000 cycles
Operating Temp.	-40°C ~ +160°C
Storage Temp.	-40°C ~ +160°C

HOW TO ORDER

TL ☐ - A 2 1 4 K - Q - ☐ + TL - A - PC ☐ K

☐=Through Hole
M=S.M.T.
A=Right Angle

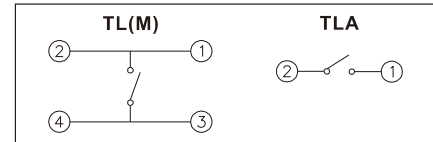
Package:
B=Tube
(For Through Hole Type)
T/R=Tape & Reel(For S.M.T. Type)

Halogen Free

Button Color:
Black

Operating Force:
300gf

CIRCUIT



PACKAGE

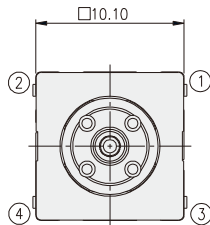
<Tube>

TL(A): 45 pcs

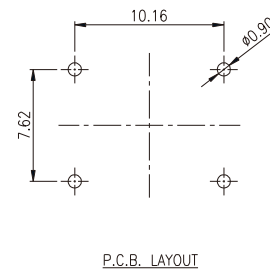
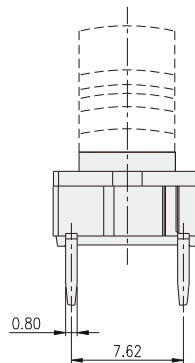
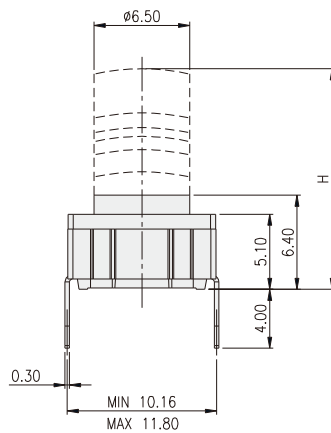
<Tape & Reel>

TLM: 650 pcs

TL-A214K+TL-A-PC☐K



PART NO.	H
TL-A214K-Q-B+TL-A-PC1K	8.00
TL-A214K-Q-B+TL-A-PC2K	9.50
TL-A214K-Q-B+TL-A-PC3K	10.40
TL-A214K-Q-B+TL-A-PC4K	11.00
TL-A214K-Q-B+TL-A-PC5K	12.00
TL-A214K-Q-B+TL-A-PC6K	15.00



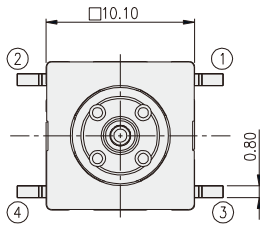
P.C.B. LAYOUT

TACT SWITCH TL()-A2 SERIES

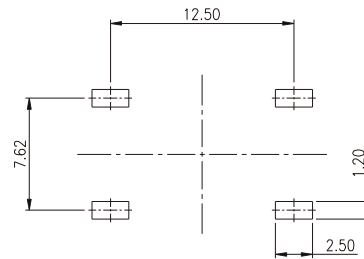
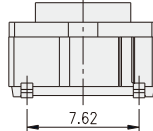
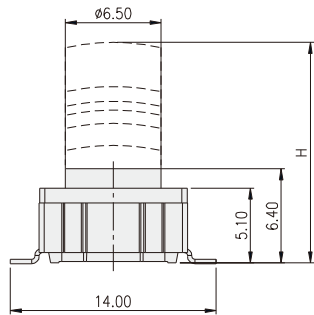
10x10
High Reliability



TLM-A214K+TL-A-PC□K



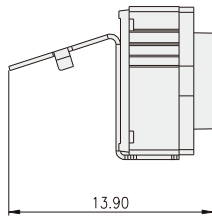
PART NO.	H
TLM-A214K-Q-B+TL-A-PC1K	8.00
TLM-A214K-Q-B+TL-A-PC2K	9.50
TLM-A214K-Q-B+TL-A-PC3K	10.40
TLM-A214K-Q-B+TL-A-PC4K	11.00
TLM-A214K-Q-B+TL-A-PC5K	12.00
TLM-A214K-Q-B+TL-A-PC6K	15.00



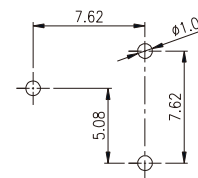
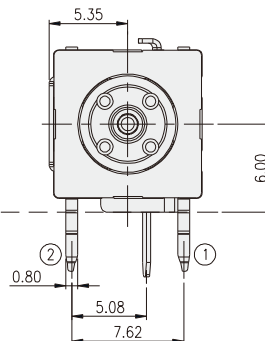
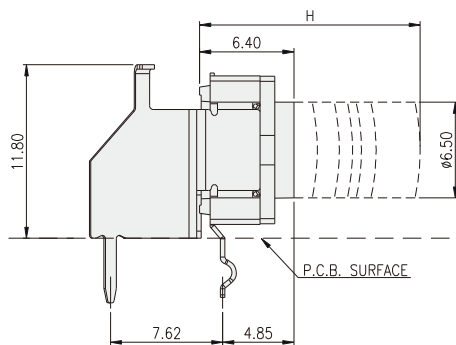
P.C.B. LAYOUT

TACT SWITCH

TLA-A214K+TL-A-PC□K



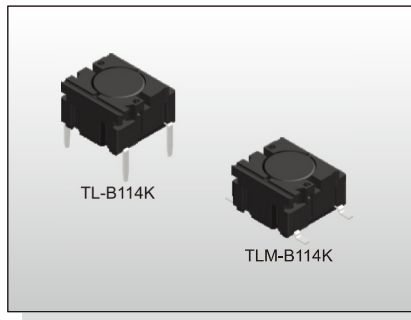
PART NO.	H
TLA-A214K-Q-B+TL-A-PC1K	8.00
TLA-A214K-Q-B+TL-A-PC2K	9.50
TLA-A214K-Q-B+TL-A-PC3K	10.40
TLA-A214K-Q-B+TL-A-PC4K	11.00
TLA-A214K-Q-B+TL-A-PC5K	12.00
TLA-A214K-Q-B+TL-A-PC6K	15.00



P.C.B. LAYOUT

TACT SWITCH TL()-B1 SERIES

10x10
High Reliability



FEATURES

- ※ Sealed
- ※ Long life of 10million
- ※ Variety of actuator lengths

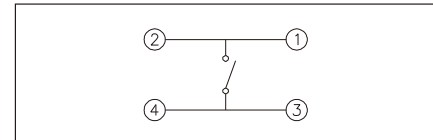
APPLICATION

- ※ Music instrument
- ※ Intercom system
- ※ Industrial

SPECIFICATION

Contact Rating	0.5~50mA, 24V DC
Contact Resistance	30mΩ max.
Insulation Resistance	10MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	300±75gf
Travel	1mm
Operating Life	10,000, 000 cycles
Operating Temp.	-40°C ~ +160°C
Storage Temp.	-40°C ~ +160°C

CIRCUIT



PACKAGE

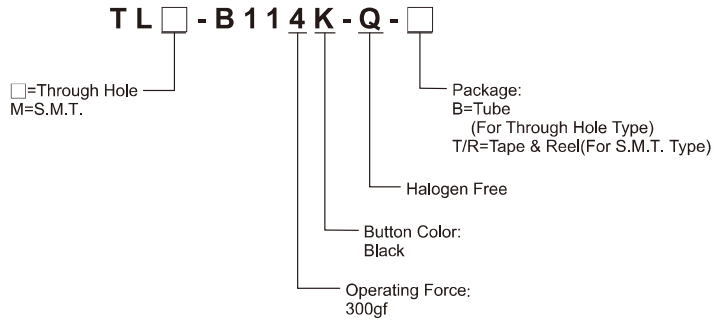
<Tube>

TL: 45 pcs

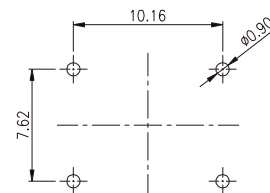
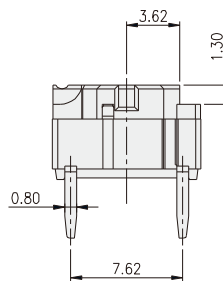
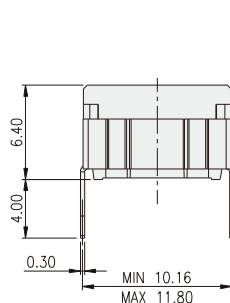
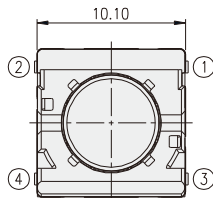
<Tape & Reel>

TLM: 650 pcs

HOW TO ORDER



TL-B114K



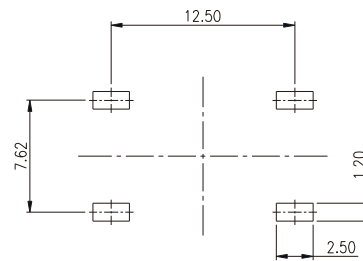
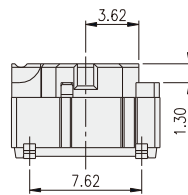
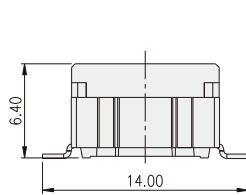
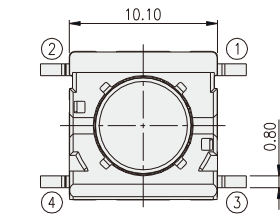
P.C.B. LAYOUT

TACT SWITCH
TL()-B1 SERIES

10x10
High Reliability

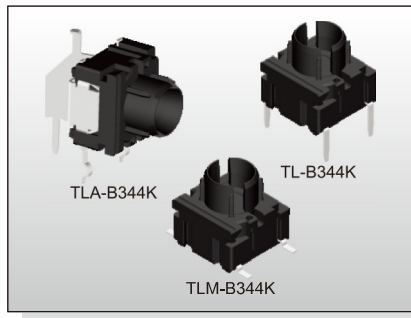


TLM-B114K



P.C.B. LAYOUT

TACT SWITCH

**FEATURES**

- ※ Sealed
- ※ Long life of 10million
- ※ Variety of actuator lengths

APPLICATION

- ※ Music instrument
- ※ Intercom system
- ※ Industrial

SPECIFICATION

Contact Rating	0.5~50mA, 24V DC
Contact Resistance	30mΩ max.
Insulation Resistance	10MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	300±75gf
Travel	1mm
Operating Life	10,000,000 cycles
Operating Temp.	-40°C ~ +160°C
Storage Temp.	-40°C ~ +160°C

HOW TO ORDERTL ☐ - B 3 4 4 K - Q - ☐

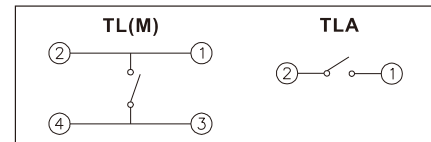
☐=Through Hole
M=S.M.T.
A=Right Angle

Package:
B=Tube
(For Through Hole Type)
T/R=Tape & Reel(For S.M.T. Type)

Halogen Free

Button Color:
Black

Operating Force:
300gf

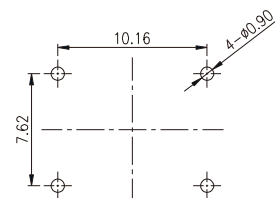
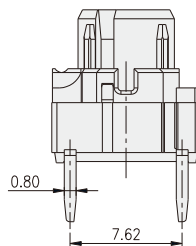
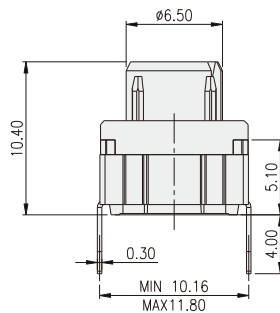
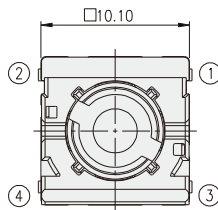
CIRCUIT**PACKAGE**

<Tube>

TL(A): 45 pcs

<Tape & Reel>

TLM: 300 pcs

TL-B344K

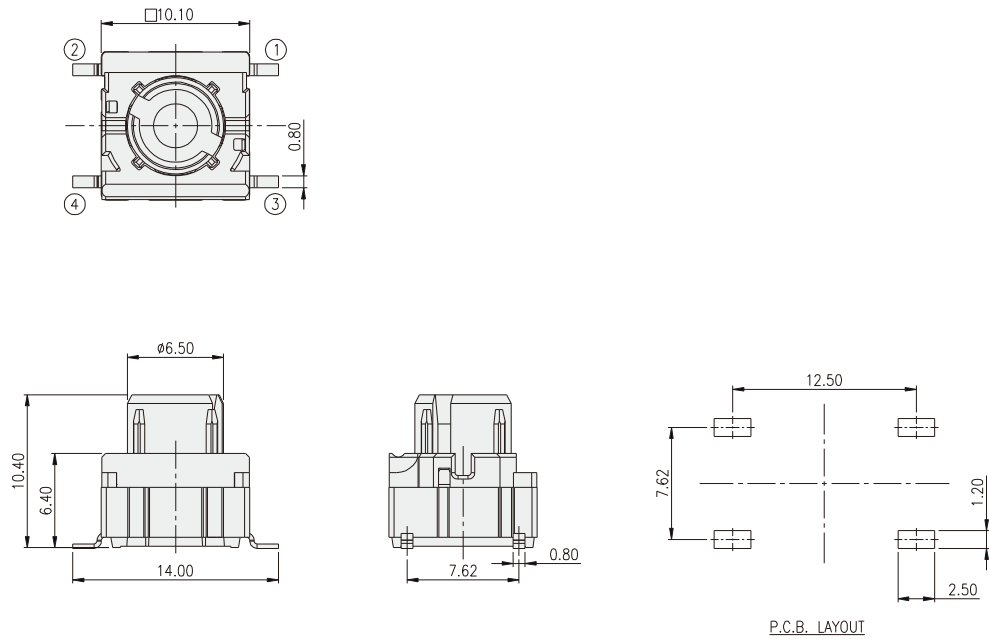
P.C.B. LAYOUT

TACT SWITCH
TL()-B344 SERIES

10x10
High Reliability

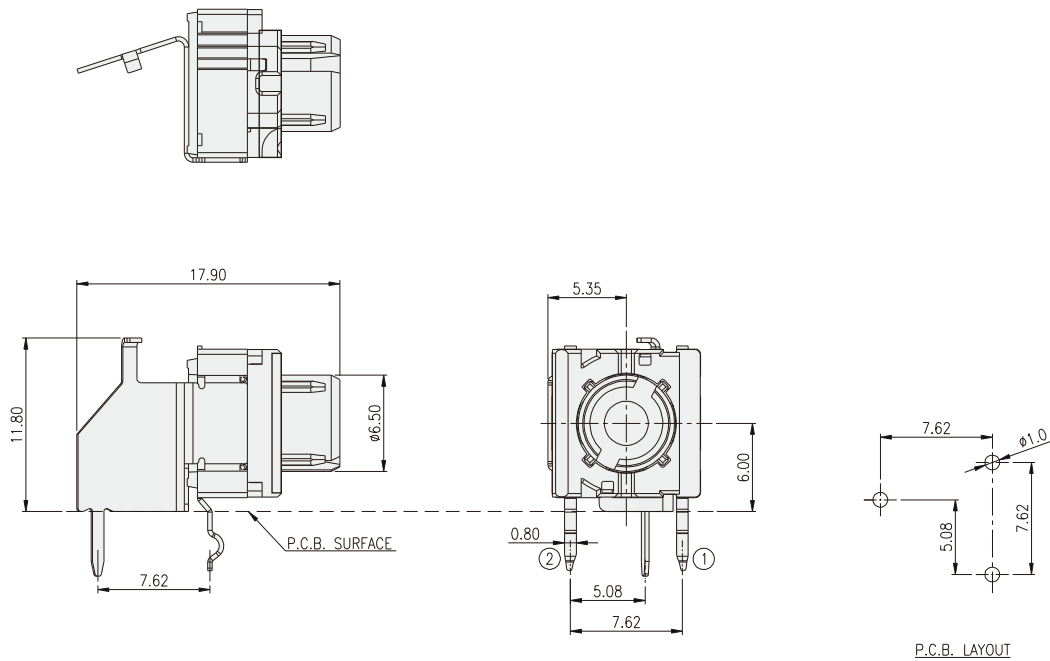


TLM-B344K



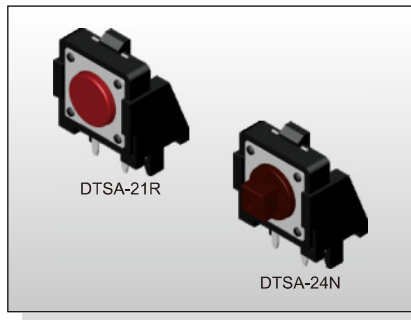
TACT SWITCH

TLA-B344K



TACT SWITCH DTSA-2 SERIES

13.1x14.7
Right Angle Type



FEATURES

- ※High reliable metal contacts
- ※Vertical operation available
- ※Cap options

APPLICATION

- ※Audio, OA equipment
- ※Instrumentation
- ※Industrial

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf, Brown(N) 260±50gf, Red(R) 320±80gf, Salmon(S) 520±130gf, Yellow(Y)
Travel	0.35mm
Operating Life	Phosphor Bronze Dome 100,000 cycles for 520/320/260gf 200,000 cycles for 160gf Stainless Steel Dome 300,000 cycles for 520/320gf 500,000 cycles for 260gf 1,000,000 cycles for 160gf
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

HOW TO ORDER

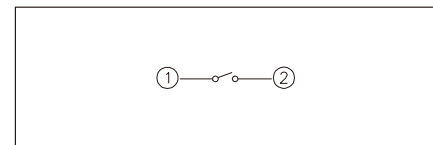
DTSA - 2 □ - □ - V

Dimension H:
1=3.65mm
4=6.45(SQ.)x3.8mm
5=7.85mm

□=Phosphor Bronze Dome
□=Stainless Steel Dome

Operating Force:
N=Brown, 160gf
R=Red, 260gf
S=Salmon, 320gf
Y=Yellow, 520gf

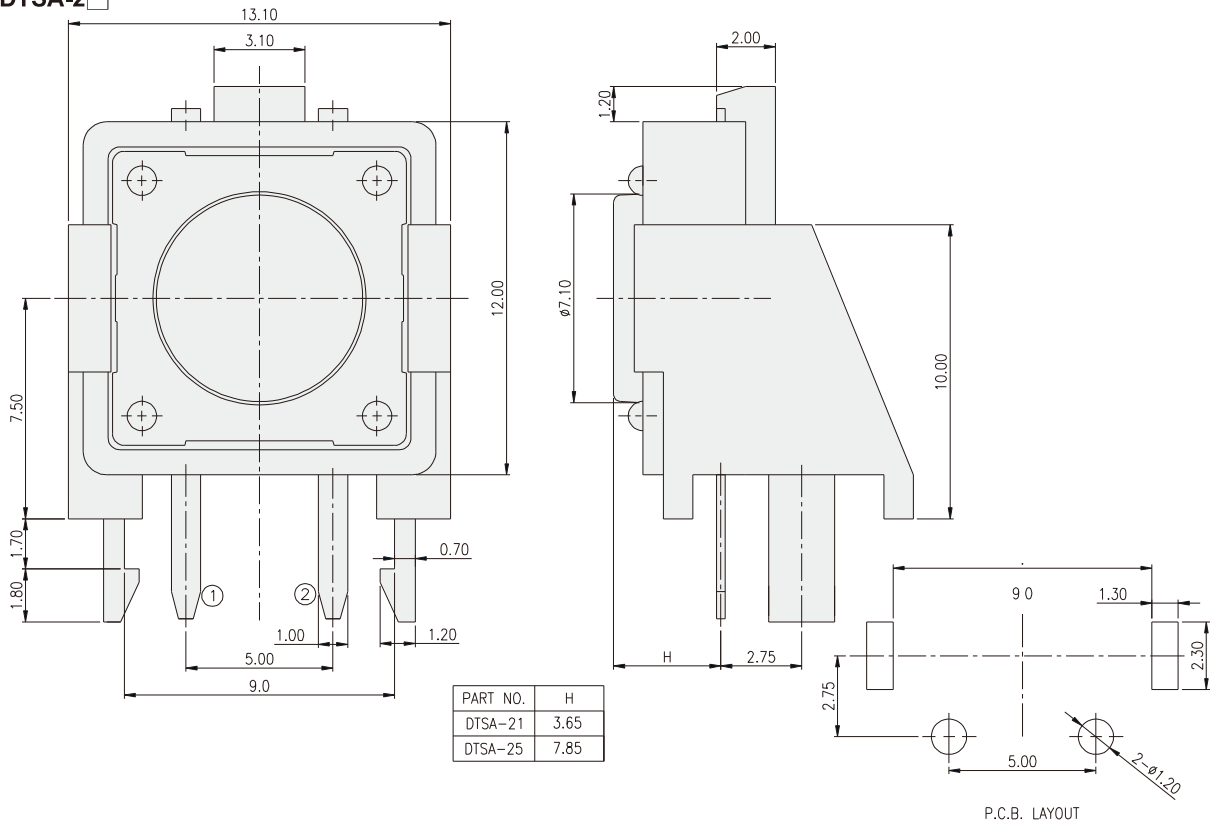
CIRCUIT



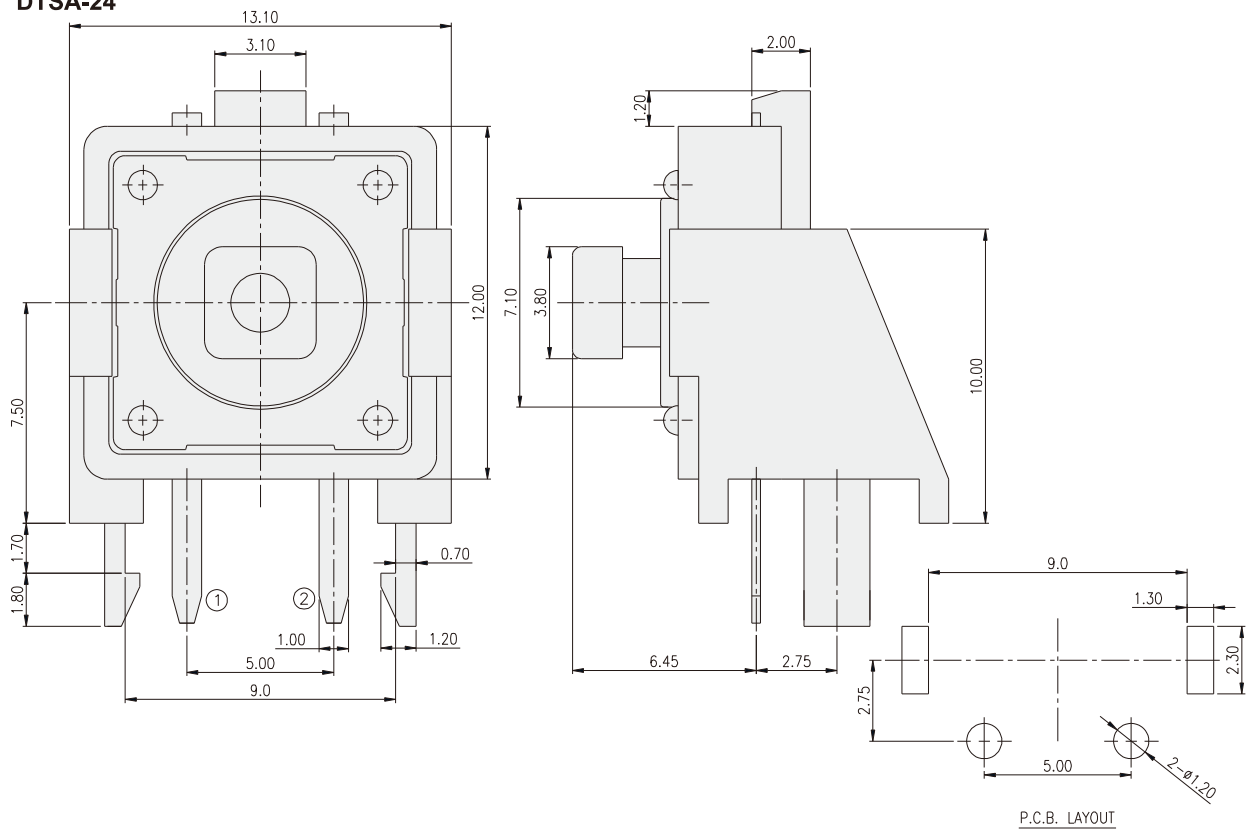
PACKAGE

<Bag>
250 pcs

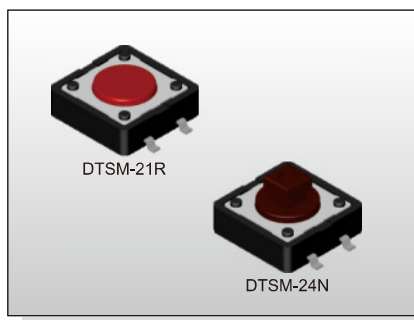
DTSA-2 □



DTSA-24



TACT SWITCH



FEATURES

- ※High reliable metal contacts
- ※Reflow solderable
- ※Cap options

APPLICATION

- ※Audio, OA equipment
- ※Instrumentation
- ※Industrial

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	130±50gf, Black(K) 160±50gf, Brown(N) 260±50gf, Red(R) 320±80gf, Salmon(S) 520±130gf, Yellow(Y)
Travel	0.35mm
Operating Life	<u>Phosphor Bronze Dome</u> 100,000 cycles for 520/320/260gf 200,000 cycles for 160gf <u>Stainless Steel Dome</u> 300,000 cycles for 520/320gf 500,000 cycles for 260gf 1,000,000 cycles for 160gf 10,000,000 cycles for 130gf
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

HOW TO ORDER

DTSM - 2 - - -

□=Without Post
P=With Post

Height: _____
 1=4.30mm
 3=7.40mm
 4=7.30(SQ.)x3.80mm
 5=8.50mm

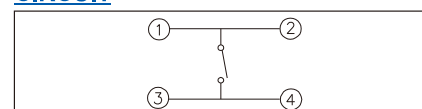
- Package:
B=Tube
T/R=Tape & Reel

— V=RoHS & Lead Free Solderable
Q=Halogen Free

- □=Phosphor Bronze Dome(Except 130gf)
S=Stainless Steel Dome

- Operating Force:
K=Black, 130gf
N=Brown, 160gf
R=Red, 260gf
S=Salmon, 320gf
Y=Yellow, 520gf >Not Available For Halogen Free

CIRCUIT



PACKAGE

<Tube>

DTSM-2: 40 pcs

<Tape & Reel>

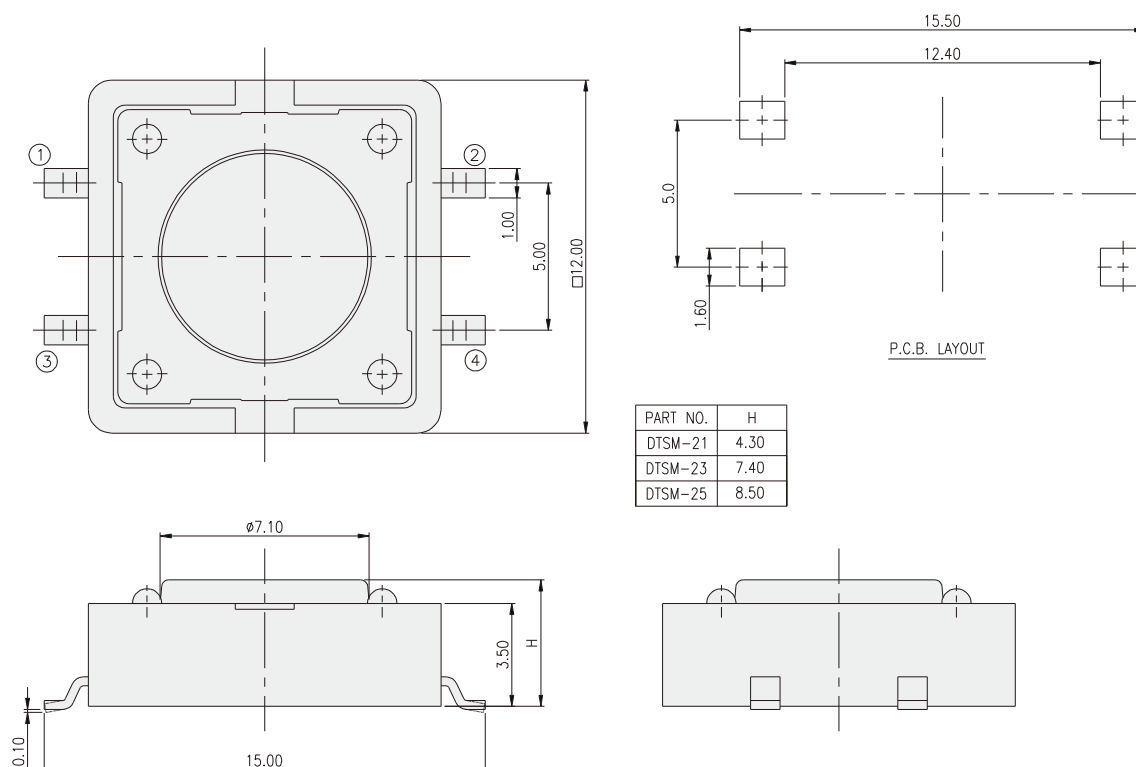
DTSM-21: 700 pcs

DTSM(P)-23, 24: 500

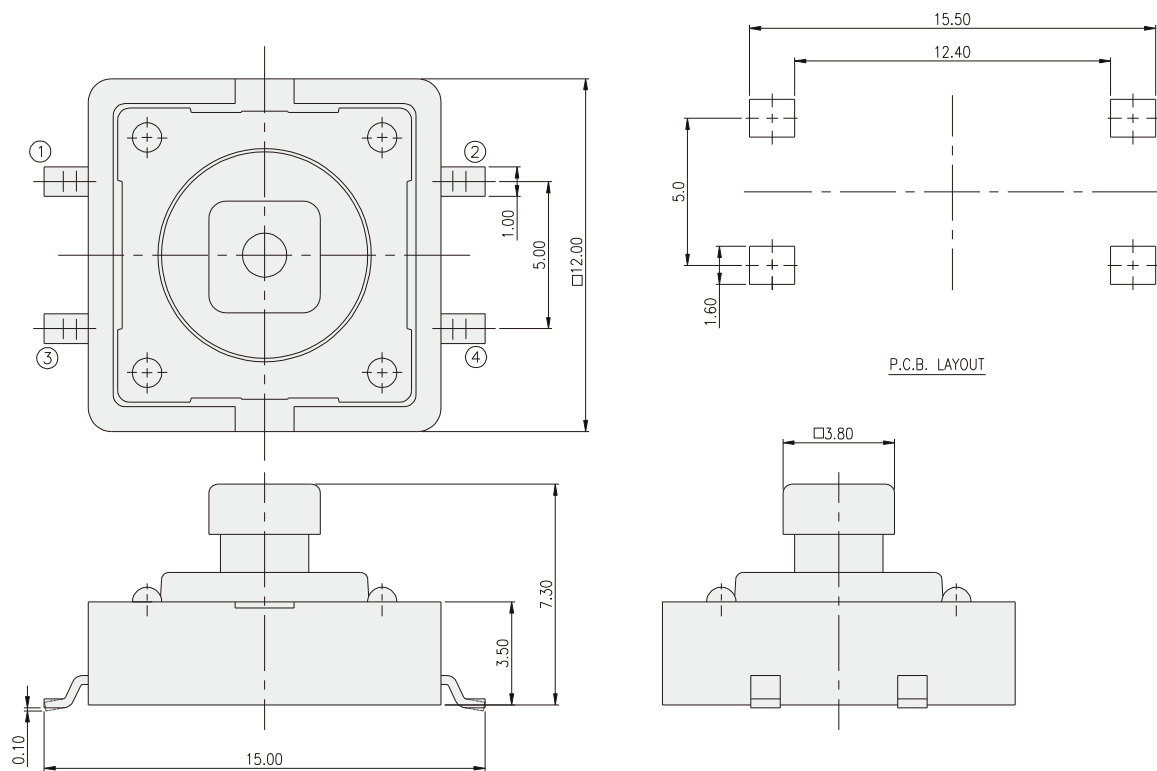
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DTSMP-21: 500 pcs

DTSM-2

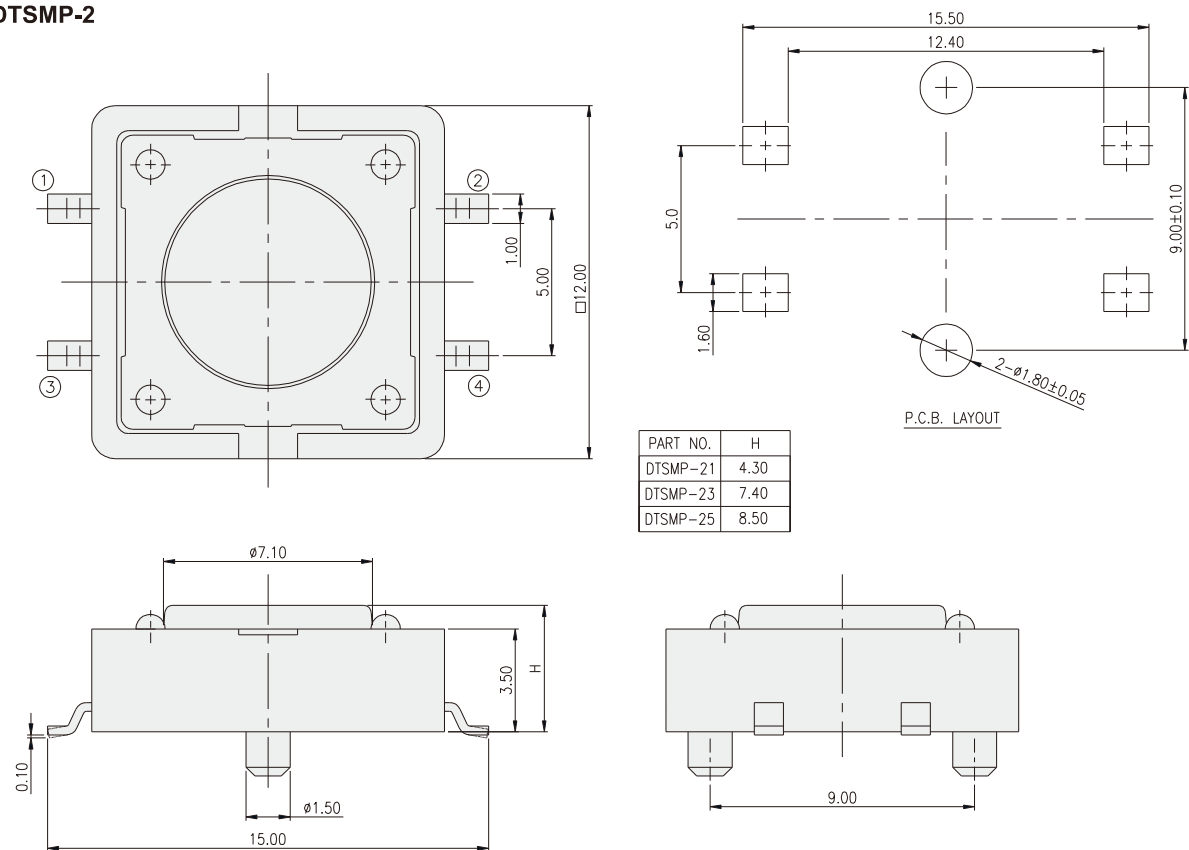


DTSM-24



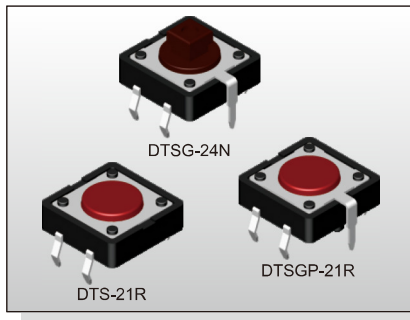
TACT SWITCH

DTSMP-2



TACT SWITCH DTS(G)(P)-2 SERIES

12x12 Through Hole
With Ground Terminal Type



FEATURES

- ※Snap in type with ground pin
- ※Guide bosses available
- ※Cap options

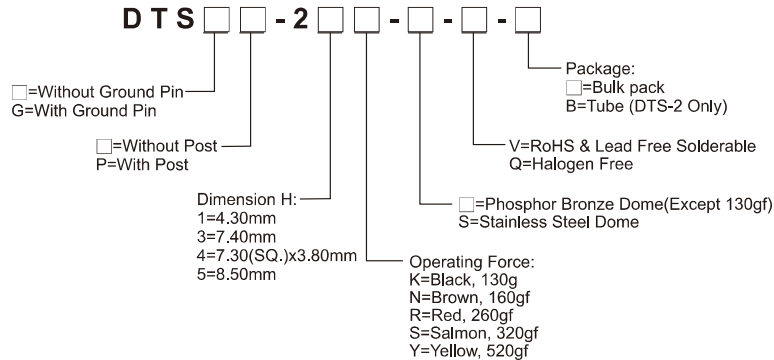
APPLICATION

- ※Audio, OA equipment
- ※Instrumentation
- ※Industrial

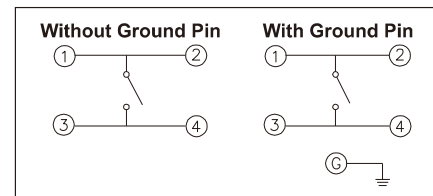
SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	130±50gf, Black(K) 160±50gf, Brown(N) 260±50gf, Red(R) 320±80gf, Salmon(S) 520±130gf, Yellow(Y)
Travel	0.35mm
Operating Life	Phosphor Bronze Dome 100,000 cycles for 520/320/260gf 200,000 cycles for 160gf Stainless Steel Dome 300,000 cycles for 520/320gf 500,000 cycles for 260gf 1,000,000 cycles for 160gf 10,000,000 cycles for 130gf
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

HOW TO ORDER



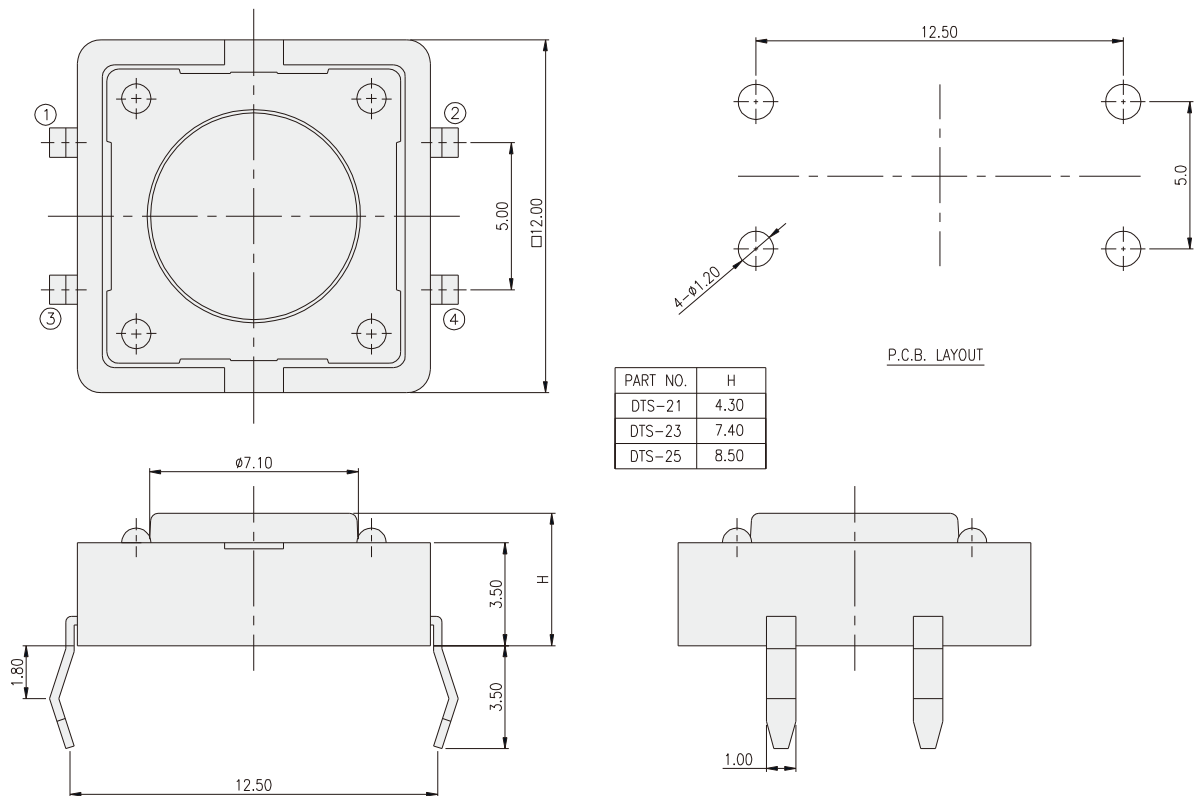
CIRCUIT



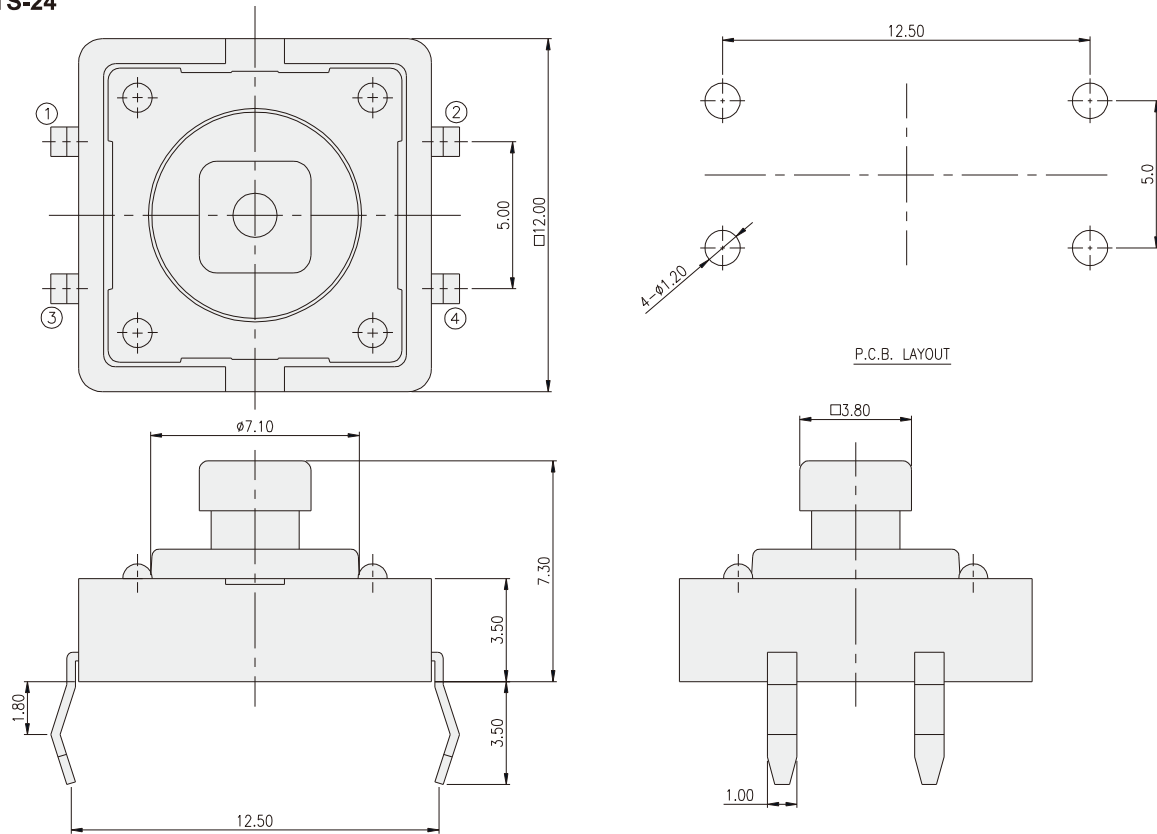
PACKAGE

<Bag>
500 pcs
<Tube>
DTS-2: 40 pcs

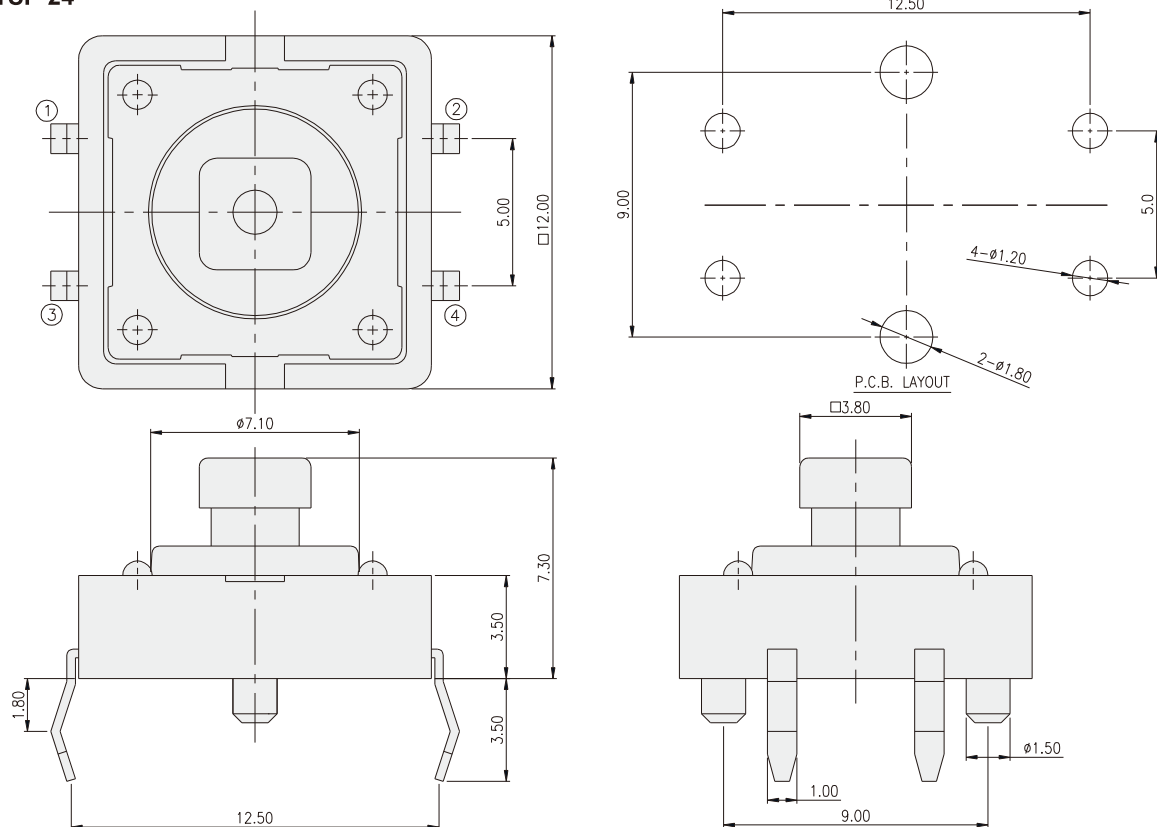
DTS-2



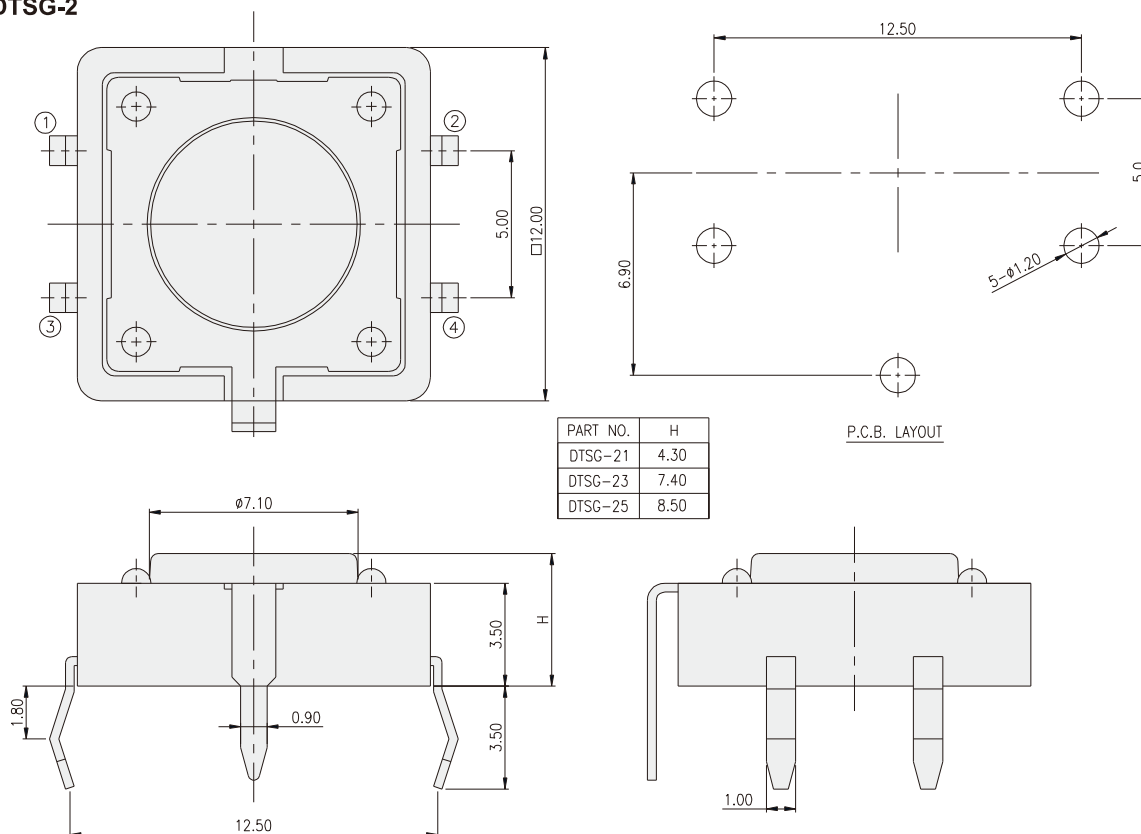
DTS-24



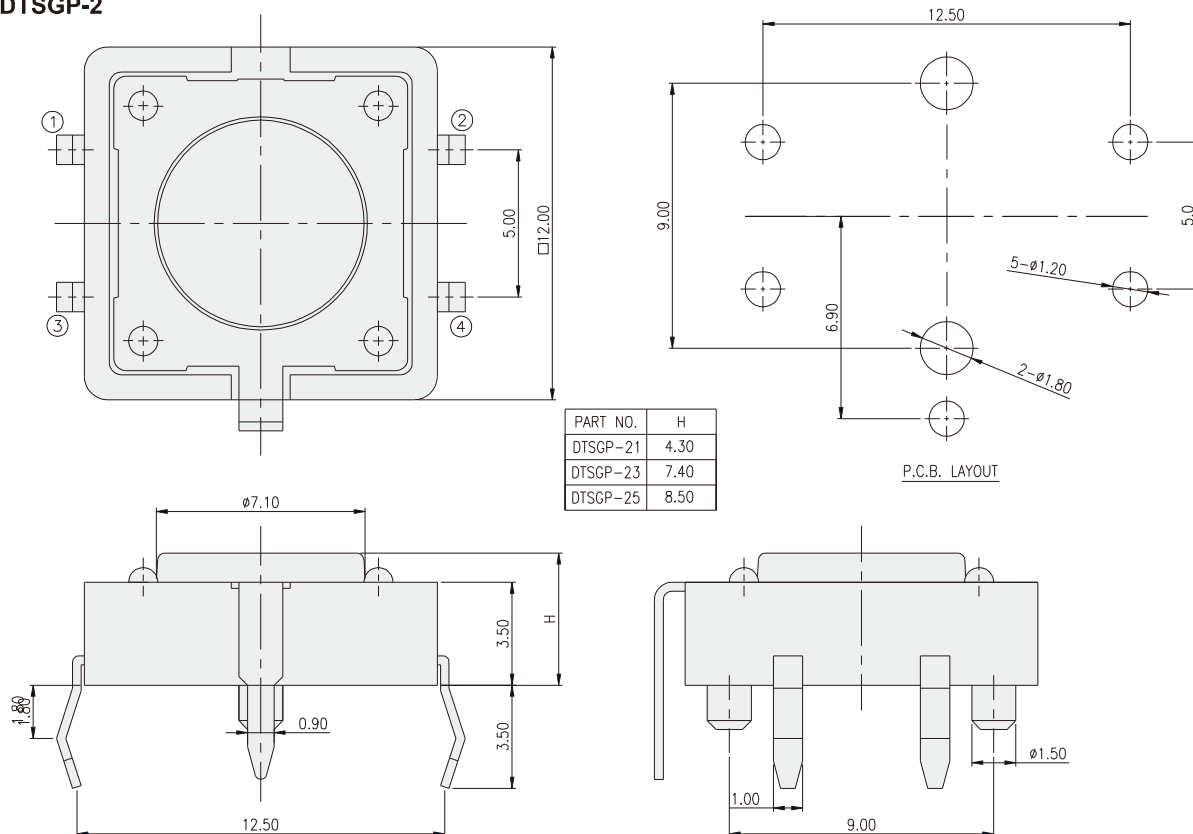
DTSP-24



DTSG-2

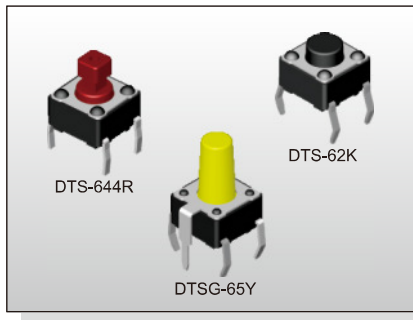


DTSGP-2



TACT SWITCH DTS(G)-6 SERIES

6x6 Through Hole & Ground Terminal Type



FEATURES

- ※ Compact size 6x6mm
- ※ Sharp tactile feeling
- ※ Cap options

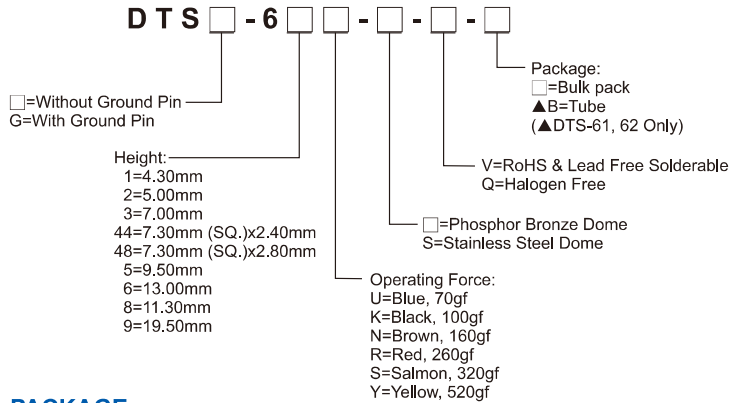
APPLICATION

- ※ Audio, OA equipment
- ※ Instrumentation
- ※ Industrial

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	70±30gf, Blue(U) 100±50gf, Black(K) 160±50gf, Brown(N) 260±50gf, Red(R) 320±80gf, Salmon(S) 520±130gf, Yellow(Y)
Travel	0.25mm
Operating Life	Phosphor Bronze Dome 50,000 cycles for 520/320gf 100,000 cycles for 260gf 200,000 cycles for 160/100/70gf Stainless Steel Dome 300,000 cycles for 520/320gf 500,000 cycles for 260gf 1,000,000 cycles for 160/100/70gf
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

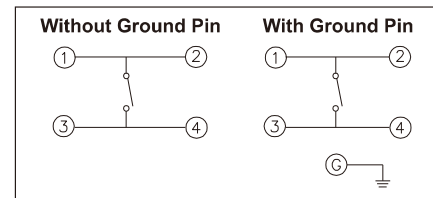
HOW TO ORDER



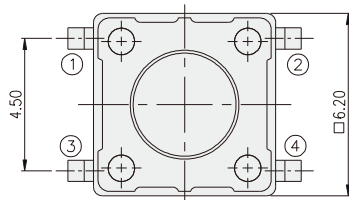
PACKAGE

<Bag>
1000 pcs
<Tub>
DTS-61/62: 75 pcs

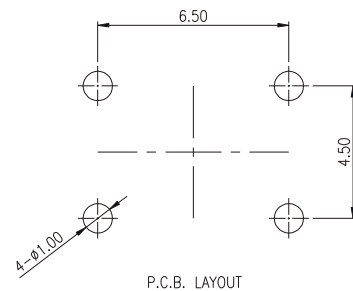
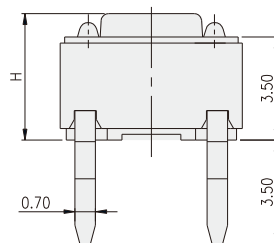
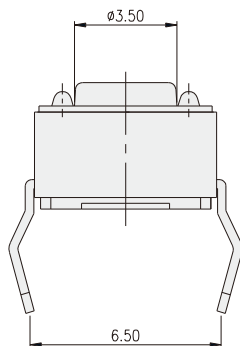
CIRCUIT



DTS-6



PART NO.	H
DTS-61	4.30
DTS-62	5.00
DTS-63	7.00
DTS-65	9.50
DTS-66	13.00
DTS-68	11.30
DTS-69	19.50

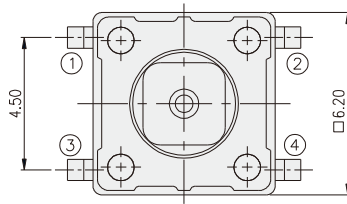


TACT SWITCH DTS(G)-6 SERIES

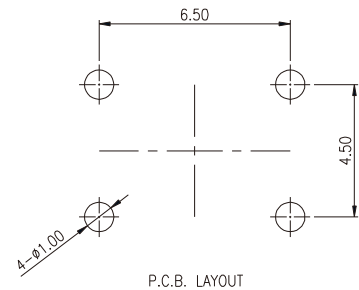
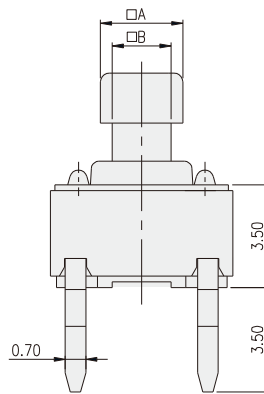
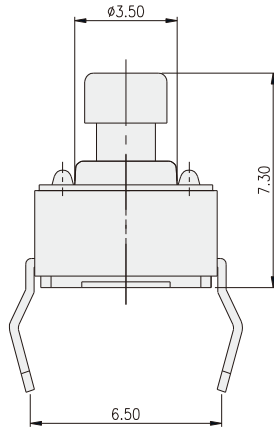
6x6 Through Hole
& Ground Terminal Type



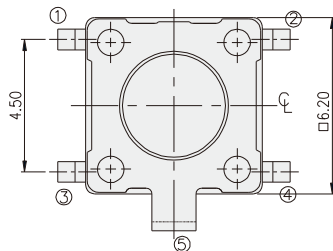
DTS-644(8)



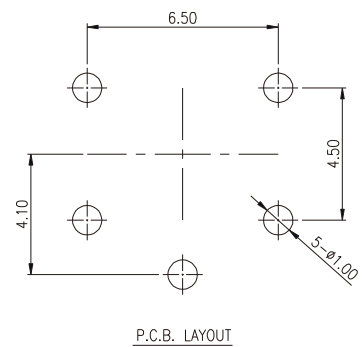
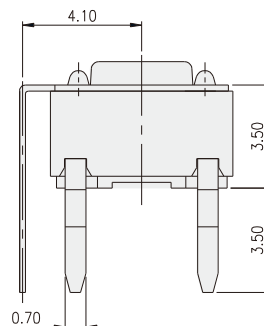
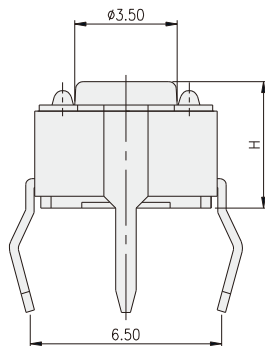
PART NO.	□A	□B
DTS-644	2.40	1.60
DTS-648	2.80	2.00



DTSG-6

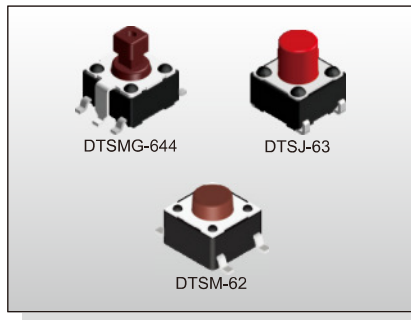


PART NO.	H
DTSG-61	4.30
DTSG-62	5.00
DTSG-63	7.00
DTSG-65	9.50
DTSG-66	13.00
DTSG-68	11.30
DTSG-69	19.50



TACT SWITCH DTS(M)(J)-6 SERIES

6x6 Surface Mounting Type
(Ground Terminal Optional)



FEATURES

- ※6x6mm, surface mounting type
- ※Optional ground pin
- ※Reflow solderable

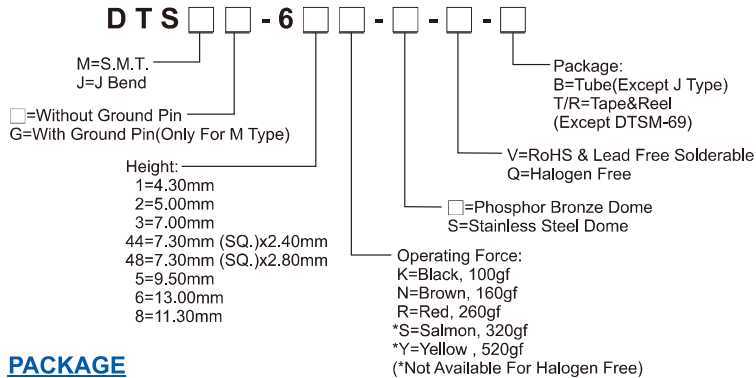
APPLICATION

- ※Audio, OA equipment
- ※Instrumentation, Communication
- ※White goods

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	100±50gf, Black(K) 160±50gf, Brown(N) 260±50gf, Red(R) 320±80gf, Salmon(S) 520±130gf, Yellow(Y)
Travel	0.25mm
Operating Life	Phosphor Bronze Dome 50,000 cycles for 520/320gf 100,000 cycles for 260gf 200,000 cycles for 160/100gf Stainless Steel Dome 300,000 cycles for 520/320gf 500,000 cycles for 260gf 1,000,000 cycles for 160/100gf
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

HOW TO ORDER



PACKAGE

<Tube>

77 pcs

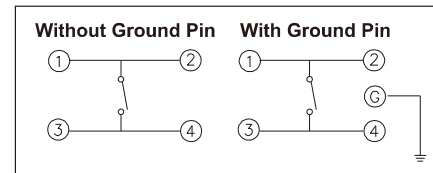
<Tape & Reel>

DTSM(G)(J)-61 / DTSMG-62:1000 pcs

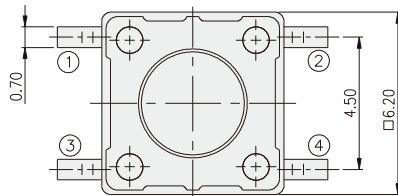
DTSM(M)(J)-62:900 pcs DTSM(G)(T)-63, 64:700 pcs DTSJ-65:400 pcs

DTSM(G)-65:380 pcs DTSM-68:300 pcs DTSM-66:200 pcs

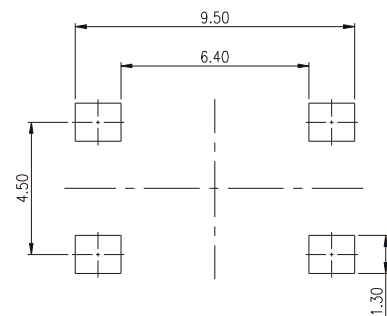
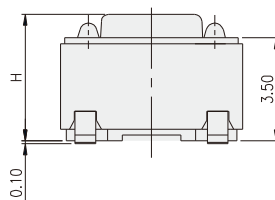
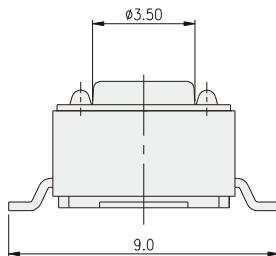
CIRCUIT



DTSM-6



PART NO.	H
DTSM-61	4.30
DTSM-62	5.00
DTSM-63	7.00
DTSM-65	9.50
DTSM-66	13.00
DTSM-68	11.30



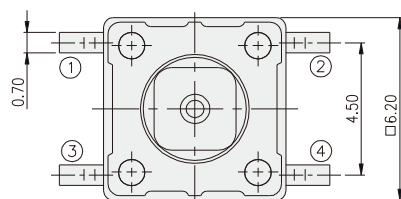
P.C.B. LAYOUT

TACT SWITCH DTS(M)(J)-6 SERIES

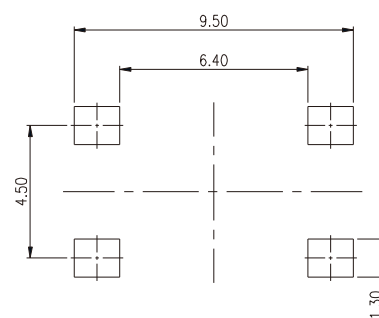
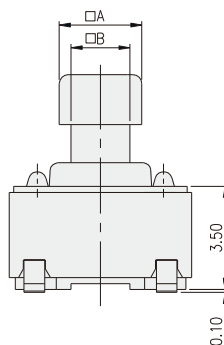
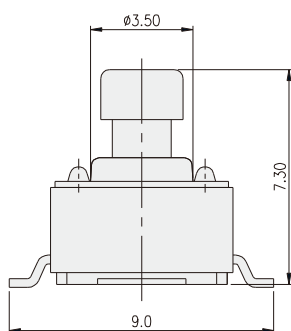
6x6 Surface Mounting Type
(Ground Terminal Optional)



DTSM-644(8)

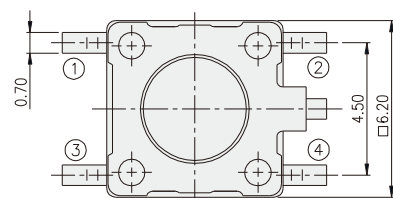


PART NO.	□A	□B
DTSM-644	2.40	1.60
DTSM-648	2.80	2.00

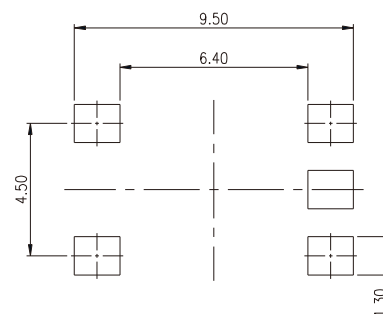
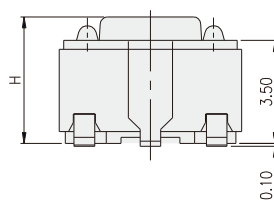
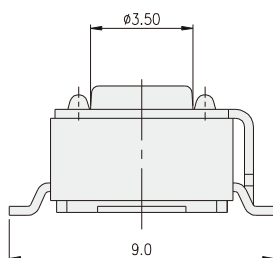


P.C.B. LAYOUT

DTSMG-6



PART NO.	H
DTSMG-61	4.30
DTSMG-62	5.00
DTSMG-63	7.00
DTSMG-65	9.50
DTSMG-66	13.00
DTSMG-68	11.30



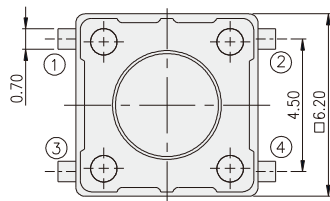
P.C.B. LAYOUT

TACT SWITCH
DTS(M)(J)-6 SERIES

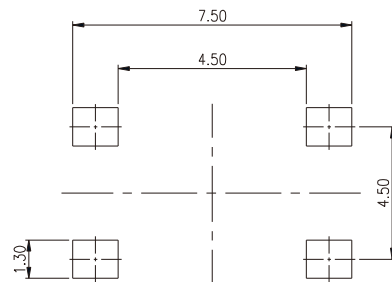
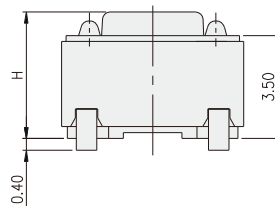
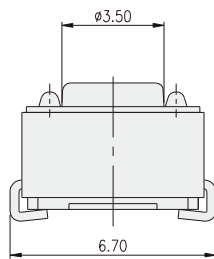
6x6 Surface Mounting Type
 (Ground Terminal Optional)



DTSJ-6



PART NO.	H
DTSJ-61	4.30
DTSJ-62	5.00
DTSJ-63	7.00
DTSJ-65	9.50
DTSJ-66	13.00
DTSJ-68	11.30

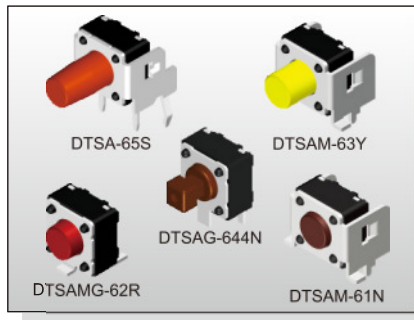


P.C.B. LAYOUT

TACT SWITCH

TACT SWITCH DTSA-6 SERIES

6x6 Right Angle & Ground Terminal Type



FEATURES

- ※ Variety of actuator lengths
- ※ Optional ground pin
- ※ Cap options

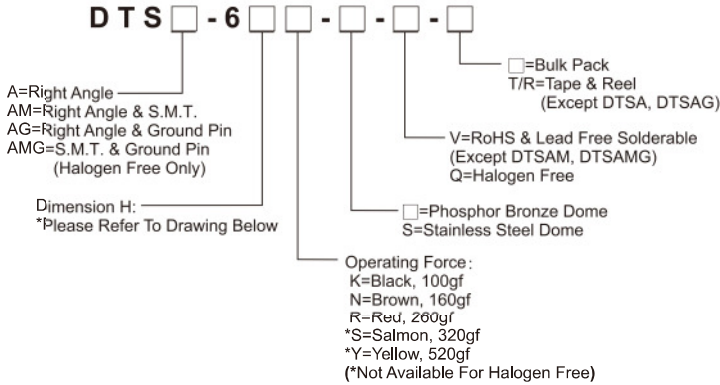
APPLICATION

- ※ Audio, OA equipment
- ※ Instrumentation
- ※ Setup box

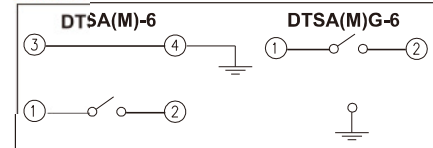
SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	100±50gf, Black(K) 160±50gf, Brown(N) 260±50gf, Red(R) 320±80gf, Salmon(S) 520±130gf, Yellow(Y)
Travel	0.25mm
Operating Life	Phosphor Bronze Dome 50,000 cycles for 520/320gf 100,000 cycles for 260gf 200,000 cycles for 160/100gf Stainless Steel Dome 300,000 cycles for 520/320gf 500,000 cycles for 260gf 1,000,000 cycles for 160/100gf
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

HOW TO ORDER



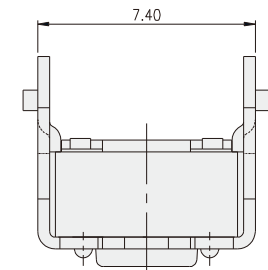
CIRCUIT



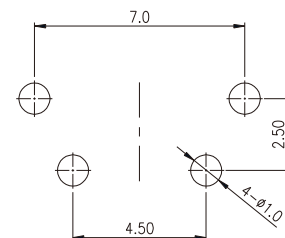
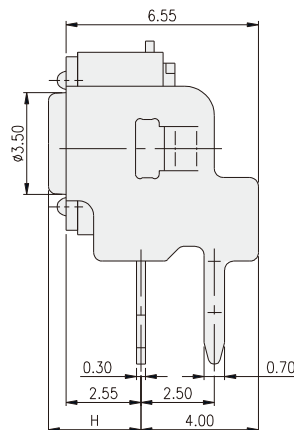
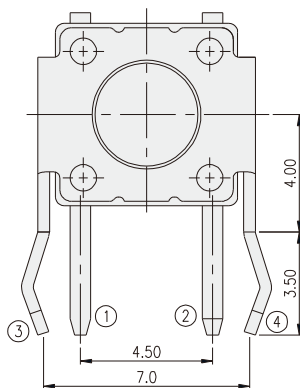
PACKAGE

<Bag>
DTSA(G)-6: 500 pcs
<Tape & Reel>
DTSAM-6: 500 pcs
DTSAMG-61, 62: 500 pcs
DTSAMG-63, 64, 65: 380 pcs

DTSA-6

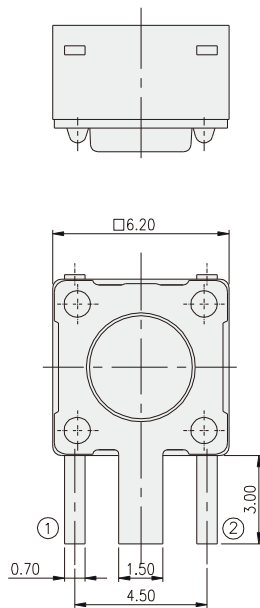


PART NO.	H
DTSA-61	3.15
DTSA-62	3.85
DTSA-63	5.85
DTSA-64	6.15(SQ.2.40)
DTSA-648	6.15(SQ.2.80)
DTSA-65	8.35
DTSA-66	11.85

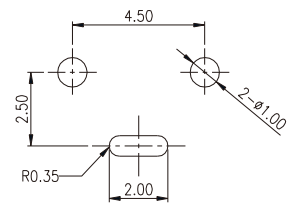
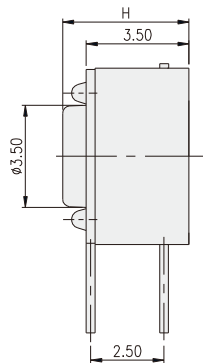


P.C.B. LAYOUT

DTSAG-6



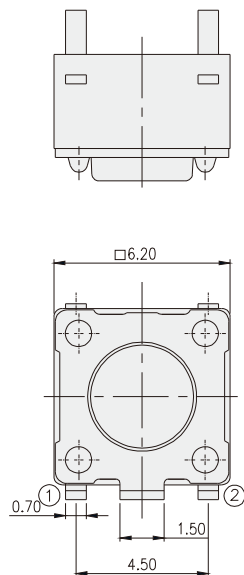
PART NO.	H
DTSAG-61	4.30
DTSAG-62	5.00
DTSAG-63	7.00
DTSAG-644	7.30(SQ.2.40)
DTSAG-648	7.30(SQ.2.80)
DTSAG-65	9.50
DTSAG-66	13.00



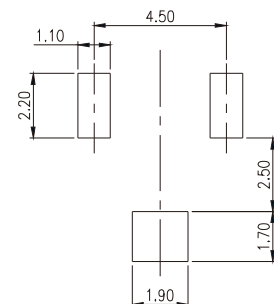
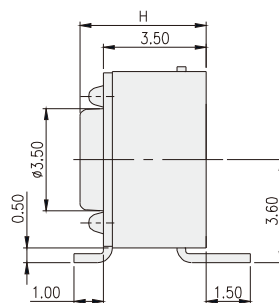
P.C.B. LAYOUT

TACT SWITCH

DTSAMG-6

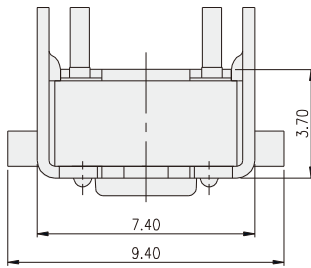


PART NO.	H
DTSAMG-61	4.30
DTSAMG-62	5.00
DTSAMG-63	7.00
DTSAMG-644	7.30(SQ.2.40)
DTSAMG-648	7.30(SQ.2.80)
DTSAMG-65	9.50
DTSAMG-66	13.00

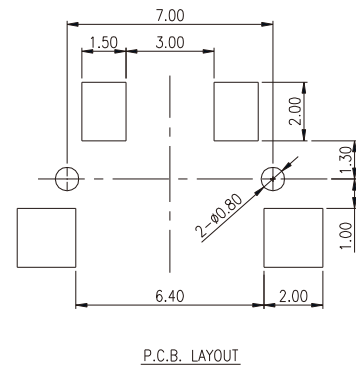
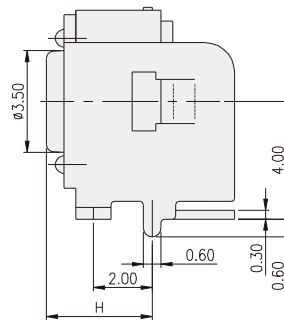
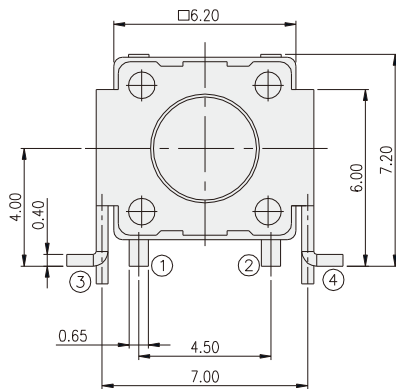


P.C.B. LAYOUT

DTSAM-6



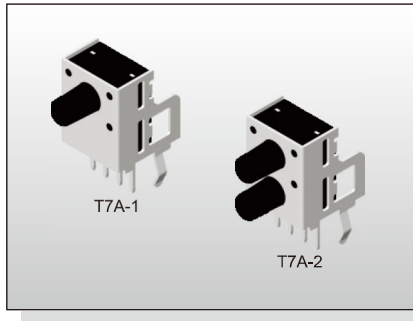
PART NO.	H
DTSAM-61	3.60
DTSAM-62	4.30
DTSAM-63	6.30
DTSAM-644	7.30(SQ.2.40)
DTSAM-648	7.30(SQ.2.80)
DTSAM-65	8.80



TACT SWITCH

TACT SWITCH T7A SERIES

7.3x13.16
Right Angle & Through Hole Type



FEATURES

- ※Double switch
- ※Two Circuit

APPLICATION

- ※Audio, OA equipment
- ※Instrumentation
- ※Setup box

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	180±50gf
Travel	0.20mm
Operating Life	100,000 cycles
Operating Temp.	-20°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

HOW TO ORDER

T 7 A - 1 4 K Q P

1=Single Stem
2=Double Stem

Stem High:
3.80mm

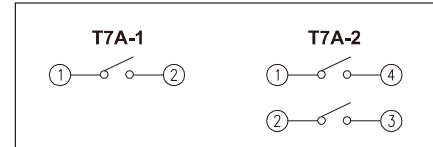
Package:
Bulk Pack

Halogen Free

Stem Color:
Black

Operating Force:
180gf

CIRCUIT

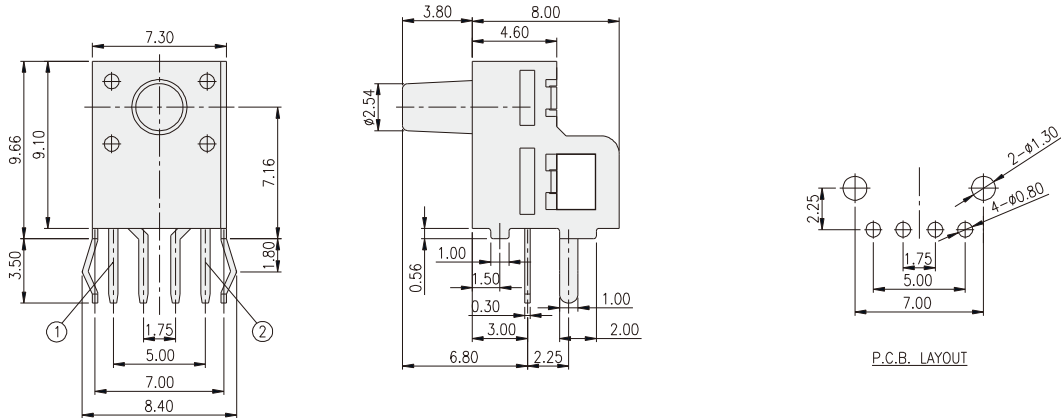


PACKAGE

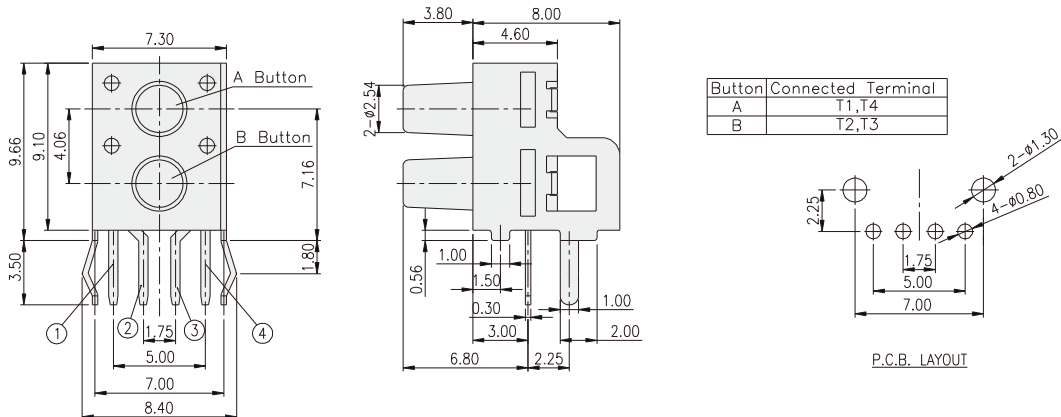
<Bag>
400 pcs

TACT SWITCH

T7A-1

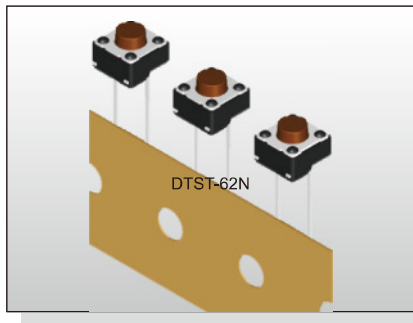


T7A-2



TACT SWITCH DTST-6 SERIES

6x6
Radial Taping Type



FEATURES

- ※Radial taping type
- ※Variety of actuator lengths
- ※Allow automatic insertion onto PCB.

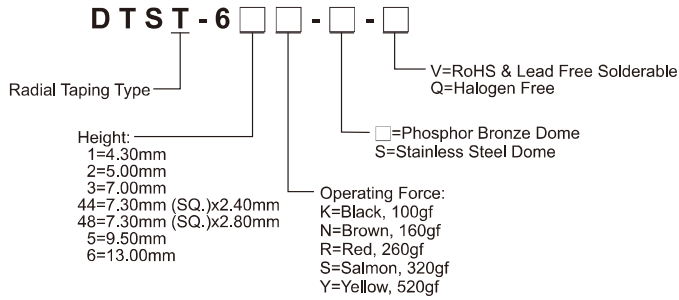
APPLICATION

- ※White goods , OA equipment
- ※Audio, DVD player, TV
- ※Instrumentation

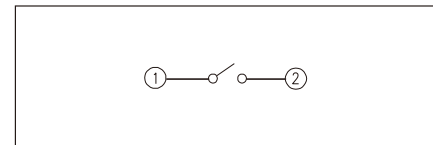
SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	100±50gf, Black(K) 160±50gf, Brown(N) 260±50gf, Red(R) 320±80gf, Salmon(S) 520±130gf, Yellow(Y)
Travel	0.25mm
Operating Life	Phosphor Bronze Dome 50,000 cycles for 520/320gf 100,000 cycles for 260gf 200,000 cycles for 160/100gf Stainless Steel Dome 300,000 cycles for 520/320gf 500,000 cycles for 260gf 1,000,000 cycles for 160/100gf
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

HOW TO ORDER



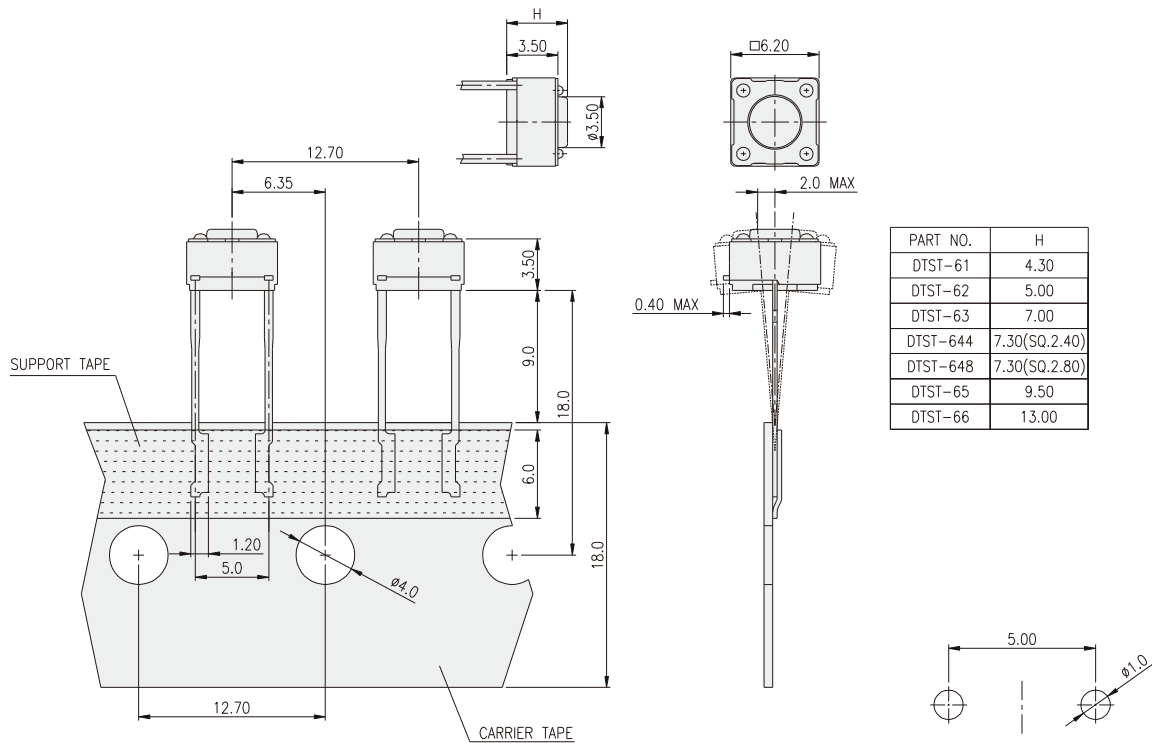
CIRCUIT



PACKAGE

<Box>
900 pcs

DTST-6

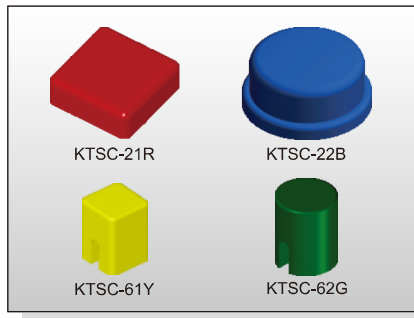


PART NO.	H
DTST-61	4.30
DTST-62	5.00
DTST-63	7.00
DTST-644	7.30(SQ.2.40)
DTST-648	7.30(SQ.2.80)
DTST-65	9.50
DTST-66	13.00

P.C.B. LAYOUT

TACT SWITCH KTSC-(6)(2) SERIES

Cap for 6x6 / 12x12
Tact Switch



HOW TO ORDER

KTSC -

Prod. Size: <Tactile Switch>
2=12X12mm (Can be applied on DTS□-24)
6=6x6mm (Can be applied on DTS□-644)

Cap Type:
1=Square
2=Round

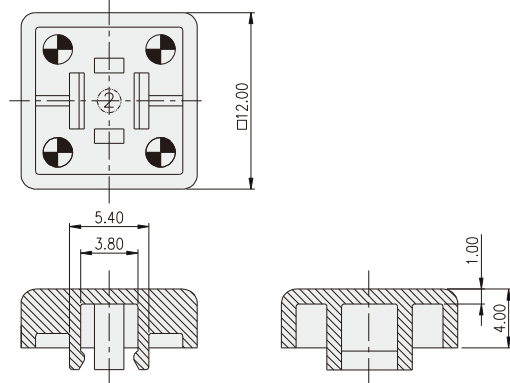
Cap color:
Y=Yellow
B=Blue
R=Red
I=Ivory
K=Black
G=Green
S=Salmon
Ge=Gray

PACKAGE

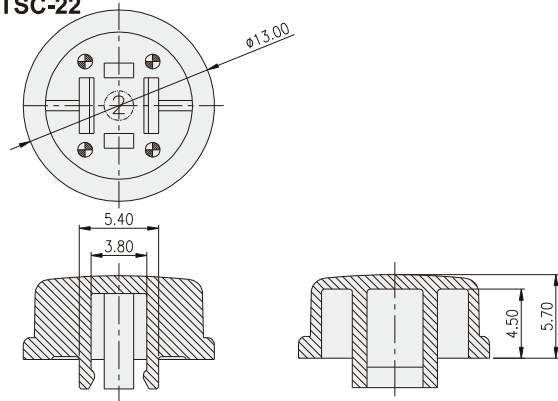
<Bag>
KTSC-2: 500 pcs
KTSC-6:1500 pcs

TACT SWITCH

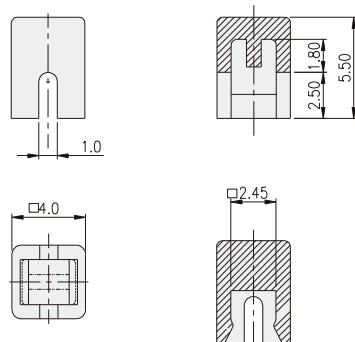
KTSC-21



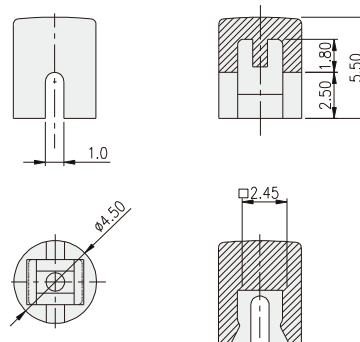
KTSC-22



KTSC-61

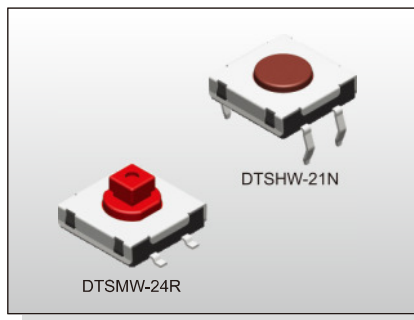


KTSC-62



TACT SWITCH DTS()W-2 SERIES

12x12 SMT & Through Hole
Washable Type



FEATURES

- ※Sealed
- ※Through hole & SMT type
- ※1 million operating life cycle

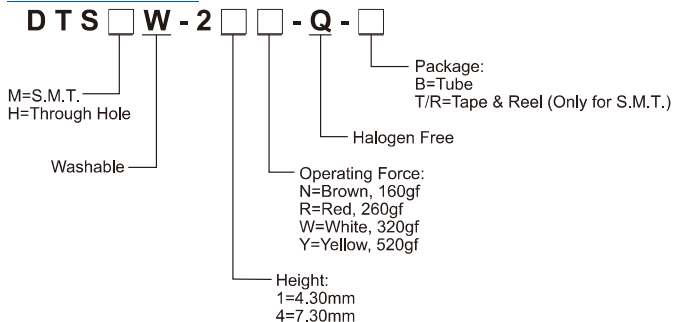
APPLICATION

- ※Audio, OA equipment
- ※Instrumentation
- ※Industrial

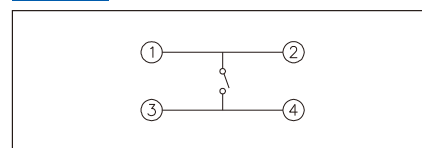
SPECIFICATION

Contact Rating	50mA, 24V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 250V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf, Brown(N) 260±50gf, Red(R) 320±80gf, Salmon(S) 520±130gf, Yellow(Y)
Travel	0.4mm
Operating Life	300,000 cycles for 520/320gf 1,000,000 cycles for 260/160gf
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

HOW TO ORDER



CIRCUIT



PACKAGE

<Tube>

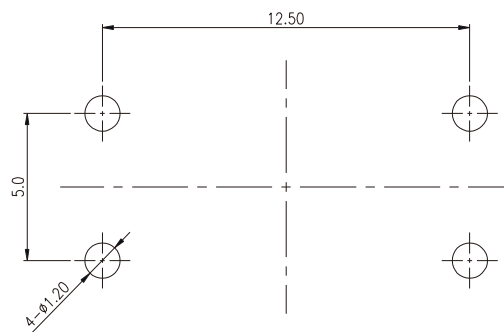
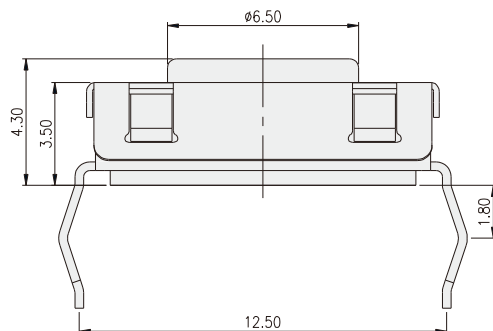
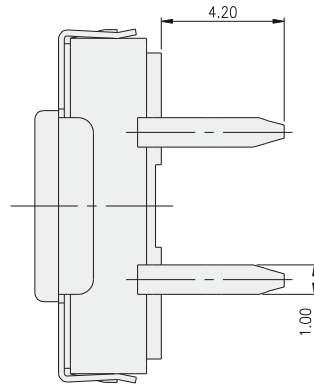
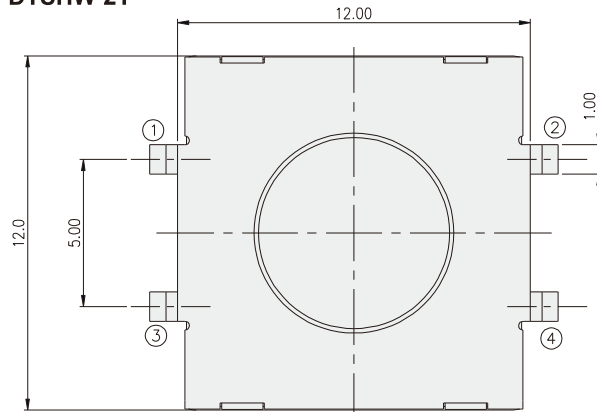
39 pcs

<Tape & Reel>

DTSMW-21: 700 pcs

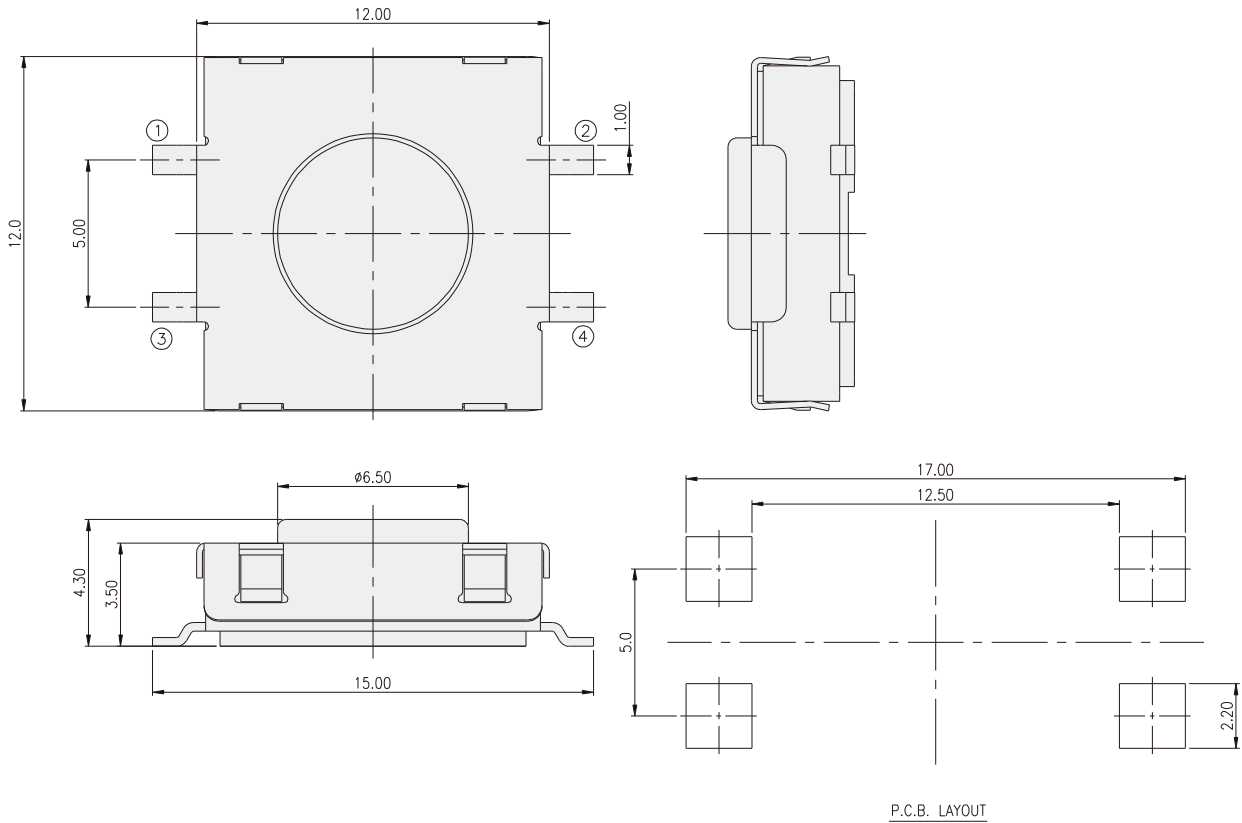
DTSMW-24: 500 pcs

DTSHW-21

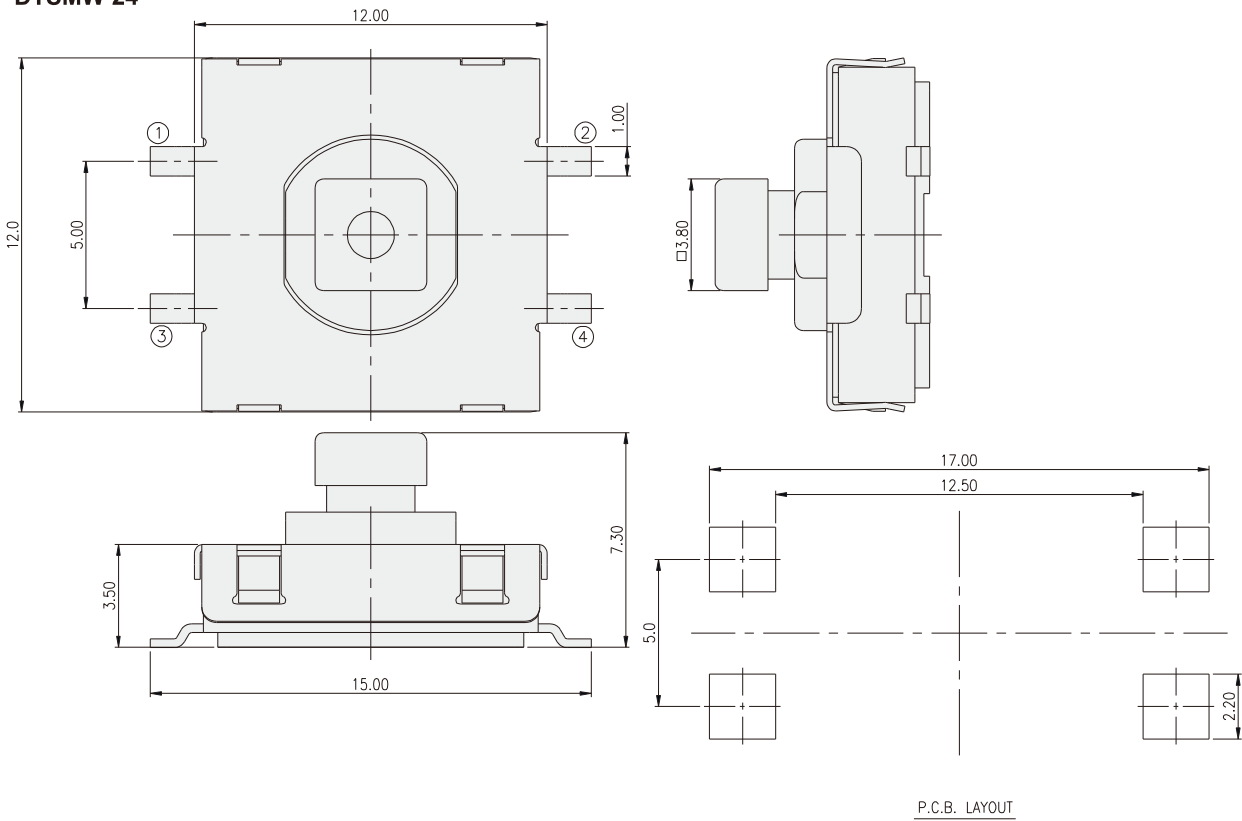


P.C.B. LAYOUT

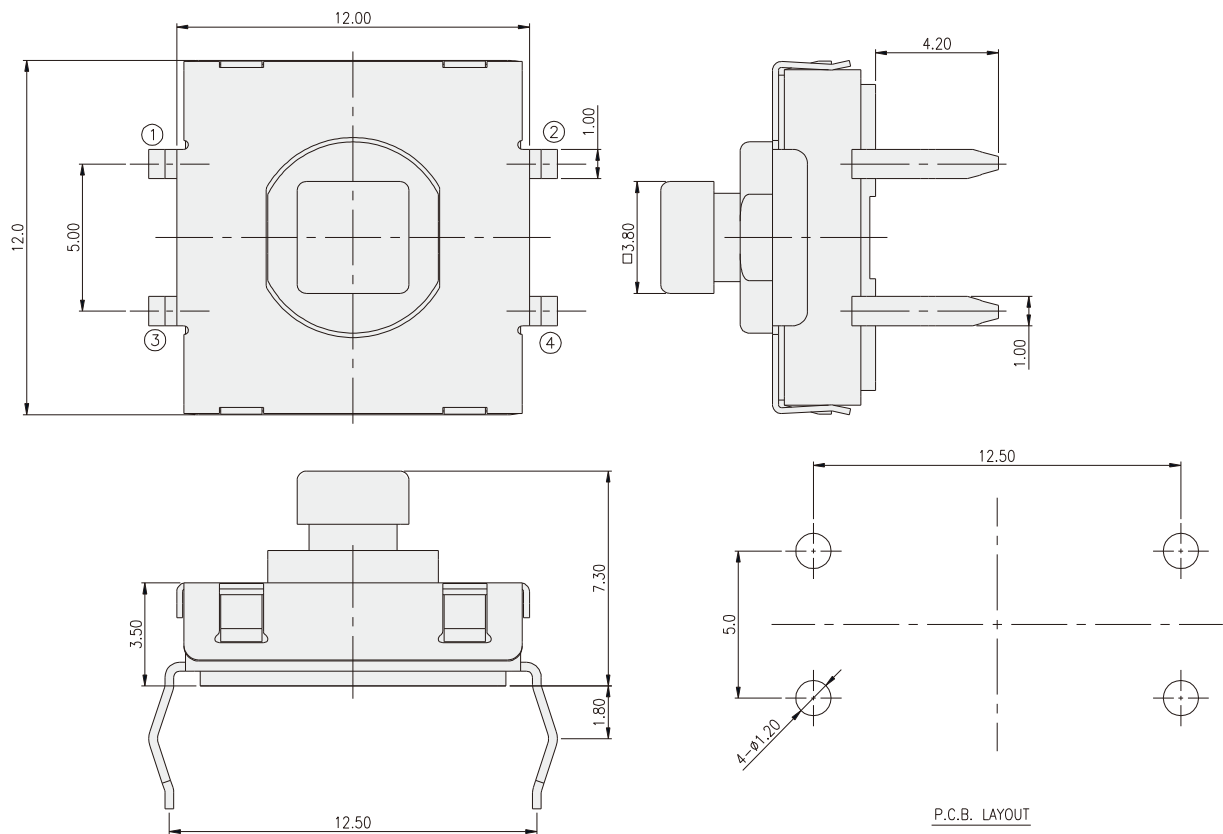
DTSMW-21



DTSMW-24



DTSHW-24



TACT SWITCH

TACT SWITCH T6W SERIES

Long Travel SMT Type Tactile Switch



FEATURES

- ※J or M terminations
- ※Long Travel type
- ※Long operation cycles
- ※IP67

APPLICATION

- ※Automotive
- ※Cellular phones
- ※Industrial electronics
- ※Network infrastructure and IT
- ※Elevator

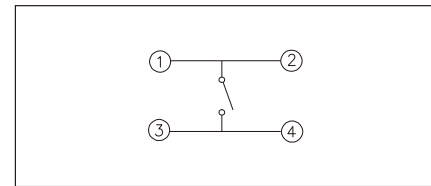
SPECIFICATION

Contact Rating	20mV DC~32V DC/1.0 mA~50 mA
Contact Resistance	100mΩ max.
Insulation Resistance	10MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf, Brown(N) 200±50gf, Rad(R) 350±100gf, Salmon(S)
Travel	0.3mm (160gf) 0.35mm (200gf) 0.5mm (350gf)
Operating Life	300,000 cycles (350gf) 500,000 cycles (200gf) 5,000,000 cycles (160gf)
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-55°C(10 days) ~ +85°C(4 days)

HOW TO ORDER

T	6	W	Q	R
M=S.M.T J=J Bend				
Height: 1=3.50mm 2=5.20mm 3=4.70mm 4=4.30mm				
Package: Tape & Reel				
Halogen Free				
Plating: G=Silver Plating				
Operating Force: N=Brown, 160gf R=Rad, 200gf S=Salmon, 350gf				

CIRCUIT

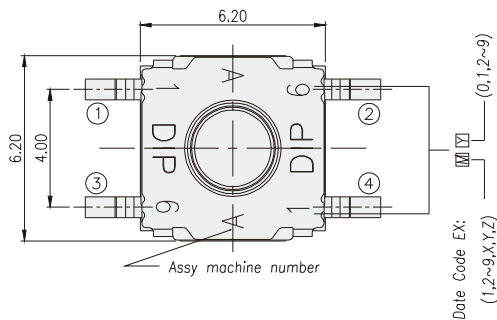


PACKAGE

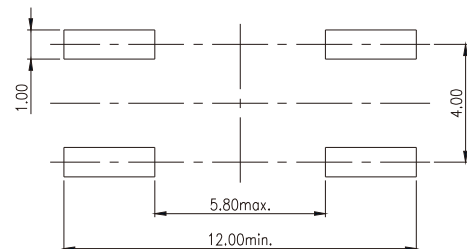
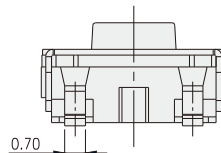
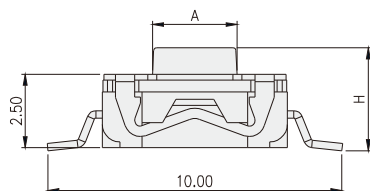
<Tape & Reel>

T6W□1: 2000 pcs
T6W□2,3,4: 1000 pcs

T6WM



PART NO.	A	H
T6WM1	ø2.90	3.50
T6WM2	ø2.70	5.20
T6WM3	ø2.70	4.70
T6WM4	ø2.70	4.30



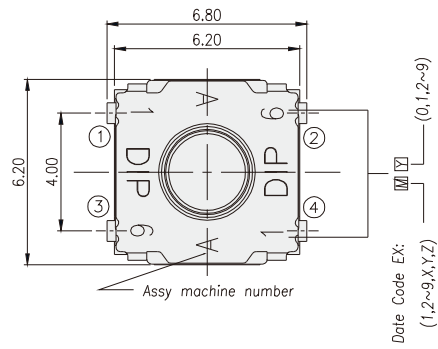
P.C.B. LAYOUT

TACT SWITCH
T6W SERIES

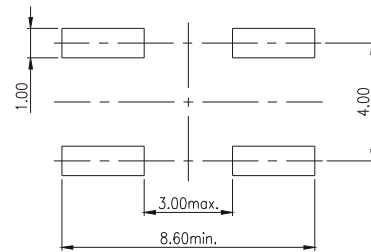
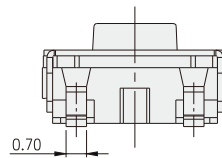
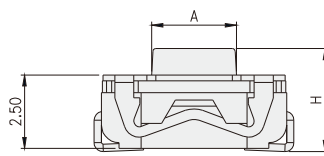
Long Travel SMT Type
Tactile Switch



T6WJ



PART NO.	A	H
T6WJ1	Ø2.90	3.50
T6WJ2	Ø2.70	5.20
T6WJ3	Ø2.70	4.70
T6WJ4	Ø2.70	4.30

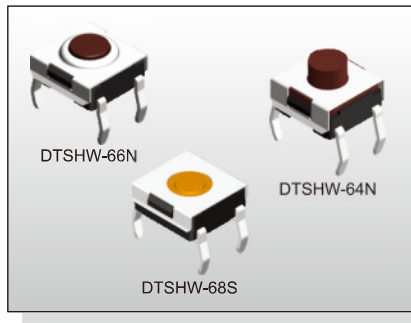


P.C.B. LAYOUT

TACT SWITCH

TACT SWITCH DTSHW-6 SERIES

6x6 Through Hole Washable Type



FEATURES

- ※Sealed
- ※Snap in type
- ※Dust proof with high reliability

APPLICATION

- ※Audio, OA equipment
- ※Instrumentation, Communication
- ※White goods

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf, Brown(N) 66/677 160±50gf, Silver(S) 68 180±50gf, Brown(N) 69/67/65/64 260±70gf, Red(R) 69/67/66/65/64 360±90gf, Transparent(T) 69/67/65/677
Travel	0.25mm 68S/66N/66R/677 0.45mm(69/67N,R)(65/64N,R,T) 0.6mm 69/67T
Operating Life	100,000 cycles min. for 66/68/677 500,000 cycles min. for 69/67/65/64
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

HOW TO ORDER

DTSHW-6 **-B**

Through Hole

Washable

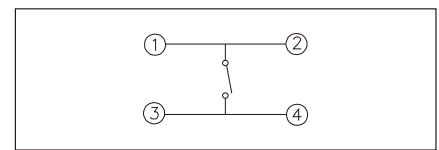
Package: Tube

V=RoHS & Lead Free Solderable
Q=Halogen Free

Dimension H:
4=4.50mm (N, R)
5=3.50mm (N, R, T)
6=3.10mm (N, R)
7=5.20mm (N, R, T)
77=7.30mm (N, T)
8=2.30mm (S)
9=3.80mm (N, R, T)

Operating Force:
N=Brown, 160gf(66N, 677N)
180gf(69N, 67N, 65N, 64N)
S=Silver, 160gf(68S)
R=Red, 260gf(69R, 67R, 66R, 65R, 64R)
T=Transparent, 360gf(69T, 67T, 65T, 677T)

CIRCUIT

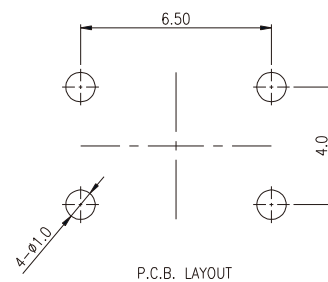
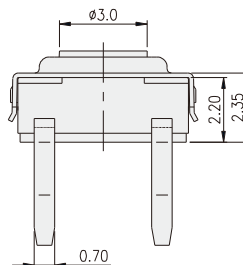
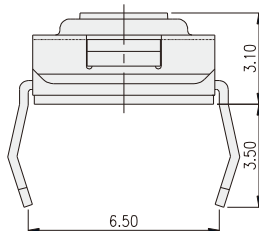
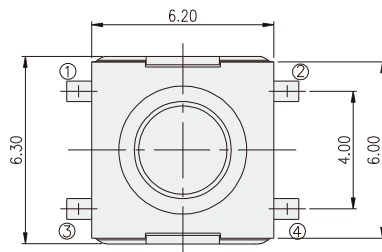


PACKAGE

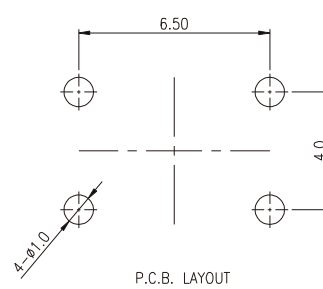
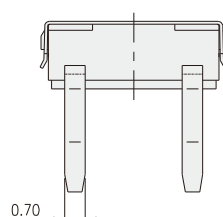
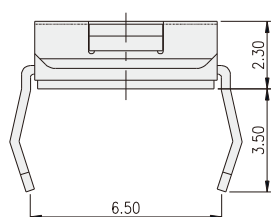
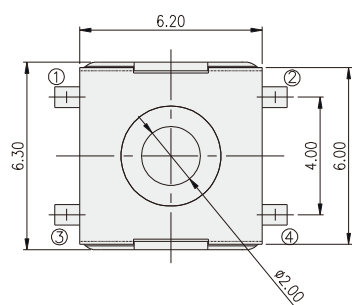
<Tube>
75 pcs

TACT SWITCH

DTSHW-66

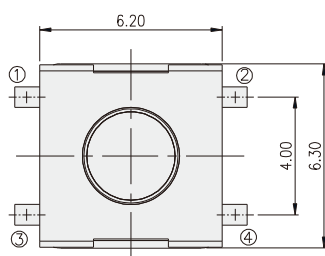


DTSHW-68

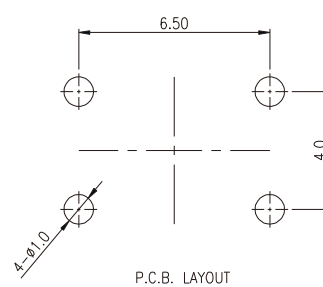
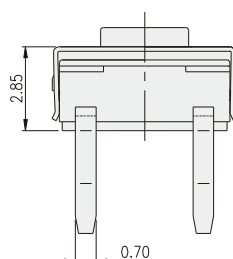
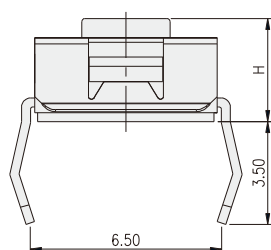


TACT SWITCH

DTSHW-6

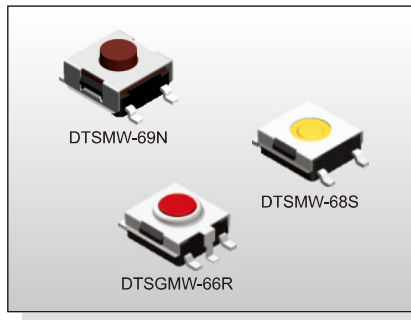


PART NO.	H
DTSHW-64	4.50
DTSHW-65	3.50
DTSHW-67	5.20
DTSHW-69	3.80
DTSHW-677	7.30



TACT SWITCH DTS(G)MW-6 SERIES

6x6 Gull-Wing SMT
Washable Type



FEATURES

- ※Sealed
- ※Reflow solderable
- ※Dust proof with high reliability

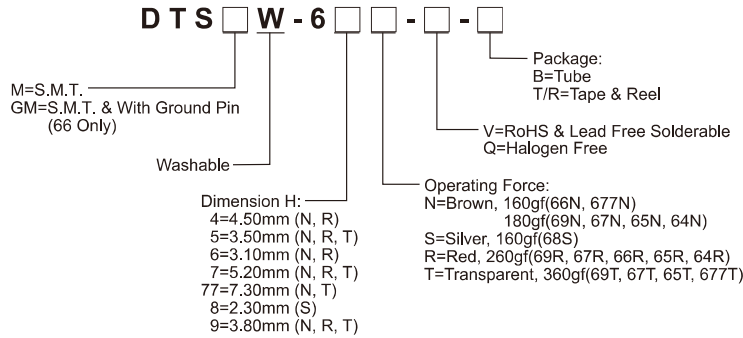
APPLICATION

- ※Audio, OA equipment
- ※Instrumentation, Communication
- ※White goods

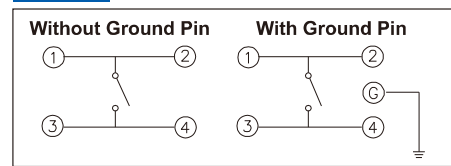
SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf, Brown(N) 66/677 160±50gf, Silver(S) 68 180±50gf, Brown(N) 69/67/65/64 260±70gf, Red(R) 69/67/66/65/64 360±90gf, Transparent(T) 69/67/65/677
Travel	0.25mm 68S/66N/66R/677 0.45mm (69/67N,R)(65/64N,R,T) 0.6mm 69/67T
Operating Life	100,000 cycles min. for 68/66/677 500,000 cycles min. for 69/67/65/64
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

HOW TO ORDER



CIRCUIT



PACKAGE

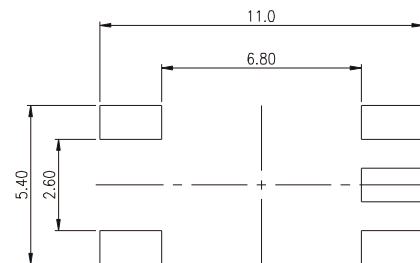
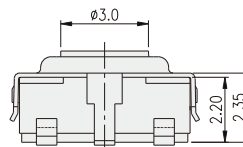
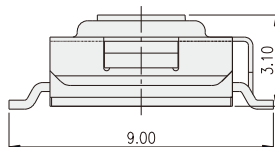
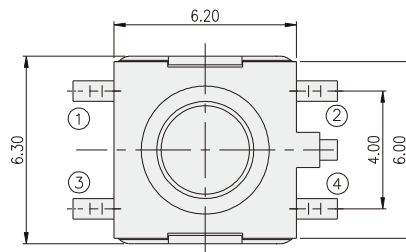
<Tube>

75 pcs

<Tape & Reel>

DTSGMW-66: 2000 pcs
DTSMW-68, 66: 2000 pcs
DTSMW-69, 65: 1900 pcs
DTSMW-67, 64: 900 pcs
DTSMW-677: 650 pcs

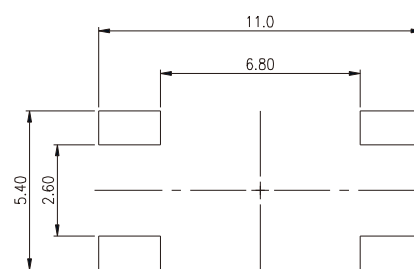
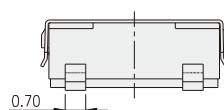
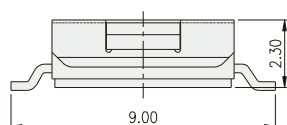
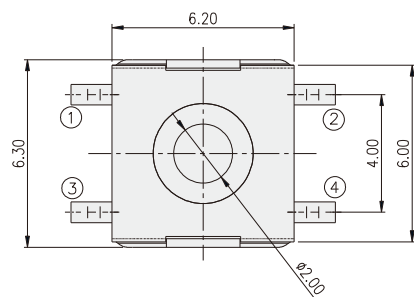
DTSGMW-66



P.C.B. LAYOUT

TACT SWITCH

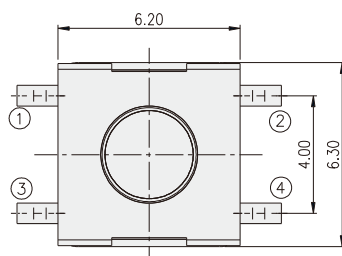
DTSMW-68



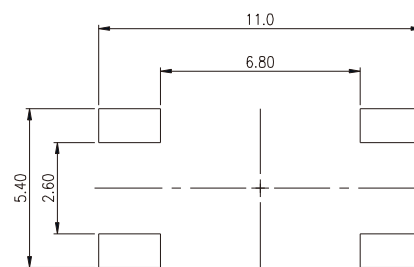
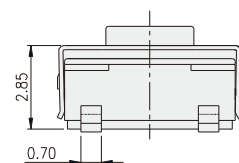
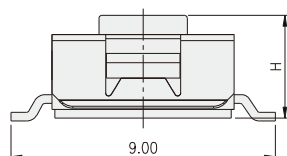
P.C.B. LAYOUT

TACT SWITCH

DTSMW-6



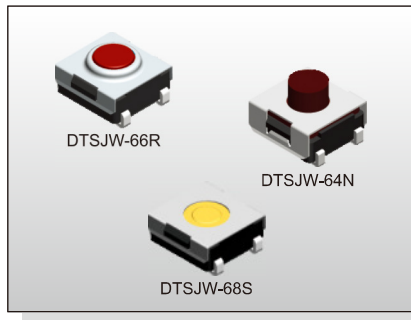
PART NO.	H
DTSMW-64	4.50
DTSMW-65	3.50
DTSMW-67	5.20
DTSMW-69	3.80
DTSMW-677	7.30



P.C.B. LAYOUT

TACT SWITCH DTSJW-6 SERIES

6x6 J SMT
Washable Type



FEATURES

- ※Sealed
- ※Reflow solderable
- ※Dust proof with high reliability

APPLICATION

- ※Audio, OA equipment
- ※Instrumentation, Communication
- ※White goods

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf, Brown(N) 66/677 160±50gf, Silver(S) 68 180±50gf, Brown(N) 69/67/65/64 260±70gf, Red(R) 69/67/66/65/64 360±90gf, Transparent(T) 69/67/65/677
Travel	0.25mm 68S/66N/66R/677 0.45mm (69/67N,R)/(65/64N,R,T) 0.6mm 69/67T
Operating Life	100,000 cycles min. for 68/66/677 500,000 cycles min. for 69/67/65/64
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

HOW TO ORDER

D T S J W - 6

J Bend
Washable

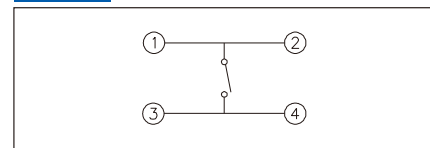
Dimension H:
4=4.50mm (N, R)
5=3.50mm (N, R, T)
6=3.10mm (N, R)
7=5.20mm (N, R, T)
77=7.30mm (N, T)
8=2.30mm (S)
9=3.80mm (N, R, T)

Package:
B=Tube
T/R=Tape & Reel

V=RoHS & Lead Free Solderable
Q=Halogen Free

Operating Force:
N=Brown, 160gf(66N, 677N)
180gf(69N, 67N, 65N, 64N)
S=Silver, 160gf(68S)
R=Red, 260gf(69R, 67R, 66R, 65R, 64R)
T=Transparent, 360gf (69T, 67T, 65T, 677T)

CIRCUIT



PACKAGE

<Tube>

75 pcs

<Tape & Reel>

DTSJW-64, 67: 900 pcs

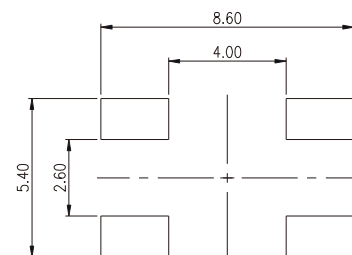
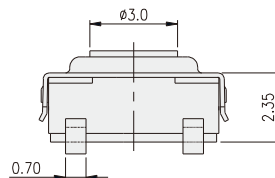
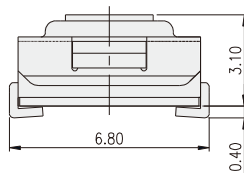
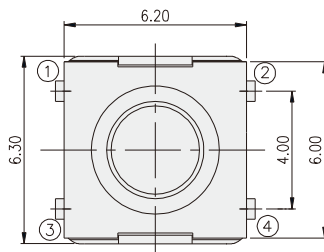
DTSJW-65, 69: 1800 pcs

DTSJW-66: 1900 pcs

DTSJW-68: 2000 pcs

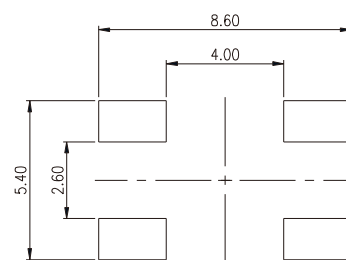
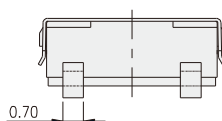
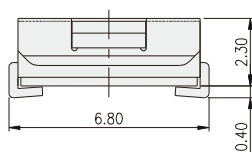
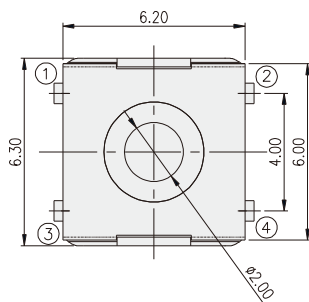
DTSJW-677: 650 pcs

DTSJW-66



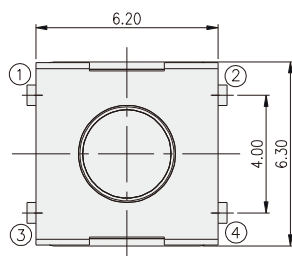
P.C.B. LAYOUT

DTSJW-68

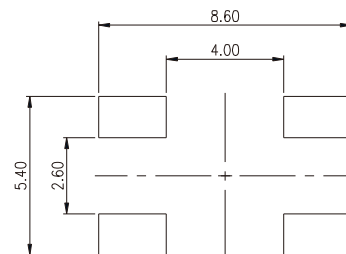
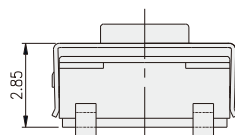
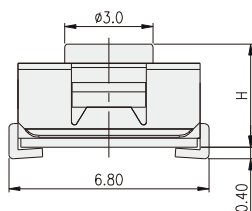


P.C.B. LAYOUT

DTSJW-6



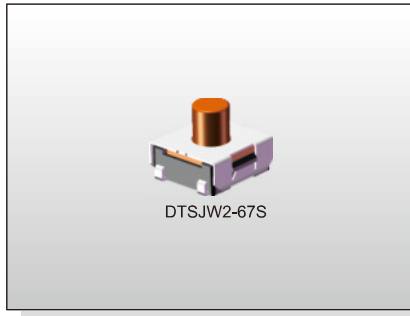
PART NO.	H
DTSJW-64	4.50
DTSJW-65	3.50
DTSJW-67	5.20
DTSJW-69	3.80
DTSJW-677	7.30



P.C.B. LAYOUT

TACT SWITCH DTSJW()-6 SERIES

6x6 J SMT
Washable Type



DTSJW2-67S

FEATURES

- ※Sealed
- ※Gold contact available
- ※Dust proof with high reliability

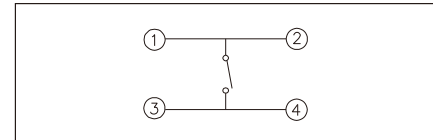
APPLICATION

- ※Audio, OA equipment
- ※Instrumentation, Communication
- ※White goods

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	200±50gf, 400±100gf
Travel	0.4/0.6mm
Operating Life	300, 000 cycles
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

CIRCUIT



PACKAGE

<Tape & Reel>

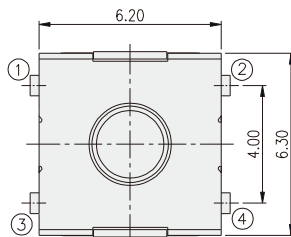
DTSJW□-65: 1900 pcs
DTSJW□-67: 900 pcs

HOW TO ORDER

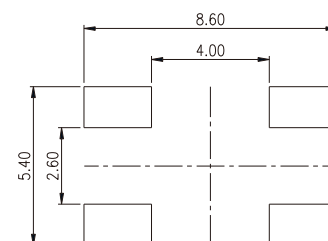
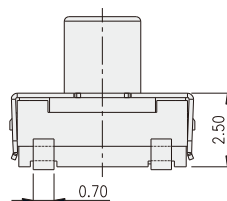
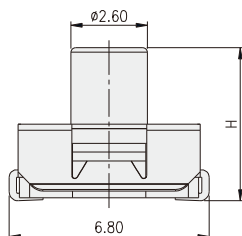
D T S J W □ - 6 □ □ - Q - □

J Bend
Washable
Contact Plating:
1=Au Plating
2=Silver Plating
Package:
T/R=Tape & Reel
Halogen Free
Operating Force:
S=Salmon, 400gf
N=Brown, 200gf
Total Height:
5=3.50mm
7=5.20mm

DTSJW□-6



PART NO.	H
DTSJW□-65	3.50
DTSJW□-67	5.20



P.C.B. LAYOUT

TACT SWITCH

TACT SWITCH DTSYHL-6 SERIES

6x6 Through Hole Type
(Pitch 4.0mm)



FEATURES

- ※Low profile with 2.5-3.5mm height
- ※Snap-in type
- ※Sharp click feeling

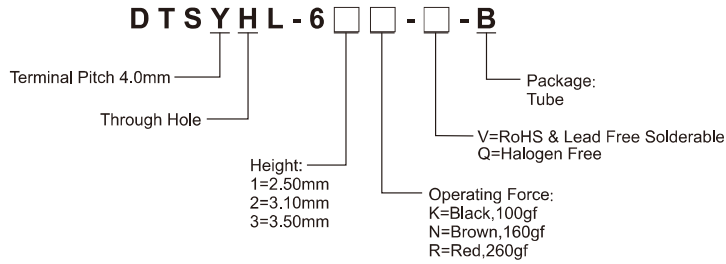
APPLICATION

- ※Audio, OA equipment
- ※Instrumentation
- ※Industrial

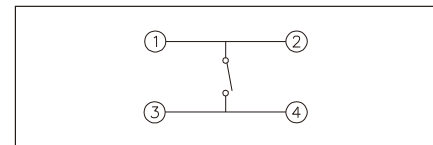
SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	100±50gf, Black(K) 160±50gf, Brown(N) 260±50gf, Red(R)
Travel	0.25mm
Operating Life	100,000 cycles for 260gf 1,000,000 cycles for 160, 100gf
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-40°C ~ +70°C

HOW TO ORDER



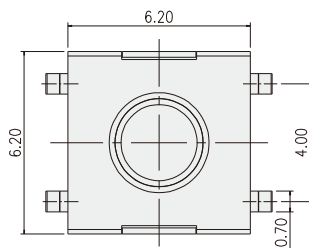
CIRCUIT



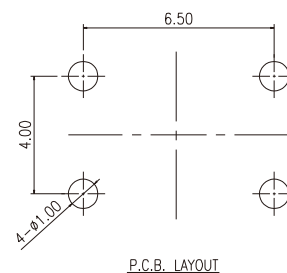
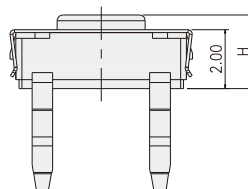
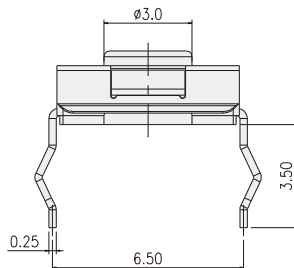
PACKAGE

<Tube>
75 pcs

DTSYHL-6

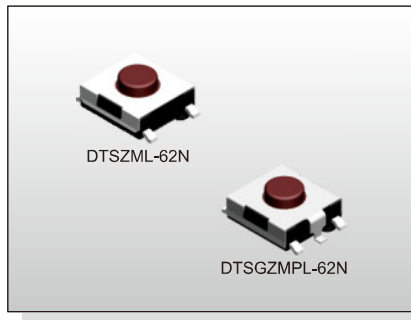


PART NO.	H
DTSYHL-61	2.50
DTSYHL-62	3.10
DTSYHL-63	3.50



TACT SWITCH DTS(G)ZML-6 SERIES

6x6 Thinner Type With Ground Terminal
(Pitch 4.5mm)



FEATURES

- ※Thinner type with 2.5-5.25mm height
- ※Ground terminal available
- ※Reflow solderable

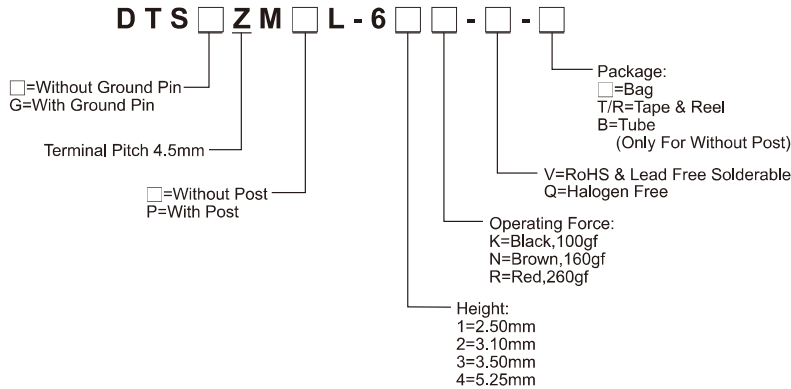
APPLICATION

- ※Audio, OA equipment
- ※Instrumentation
- ※Consumer electronics

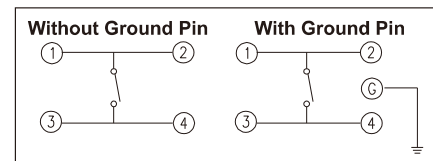
SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	100±50gf, Black(K) 160±50gf, Brown(N) 260±50gf, Red(R)
Travel	0.25mm
Operating Life	100,000 cycles for 260gf 1,000,000 cycles for 160, 100gf
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

HOW TO ORDER



CIRCUIT



PACKAGE

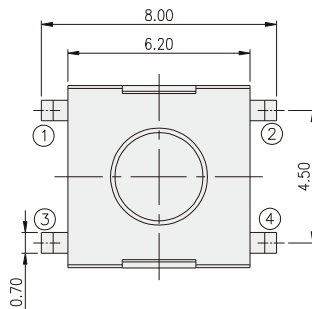
<Tube>

75 pcs

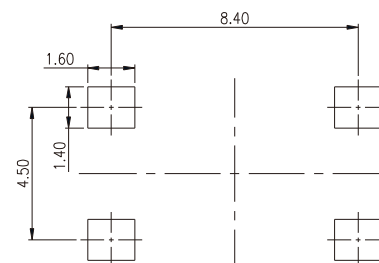
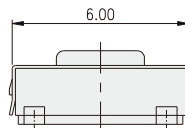
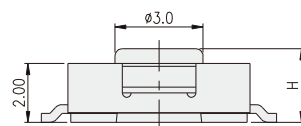
<Tape & Reel>

DTS(G)ZML-61☐: 2500 pcs
DTS(G)ZML-62☐: 2500 pcs
DTS(G)ZMPL-61, 62: 1200 pcs
DTS(G)ZM(P)L-63: 1200 pcs
DTS(G)ZML(P)L-64: 900 pcs

DTSZML-6



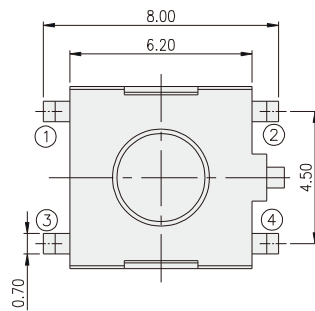
PART NO.	H
DTS <input type="checkbox"/> ZML-61	2.50
DTS <input type="checkbox"/> ZML-62	3.10
DTS <input type="checkbox"/> ZML-63	3.50
DTS <input type="checkbox"/> ZML-64	5.25



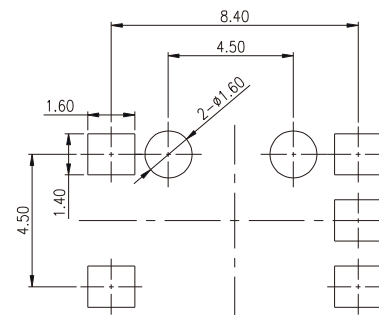
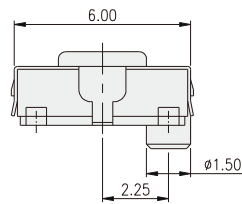
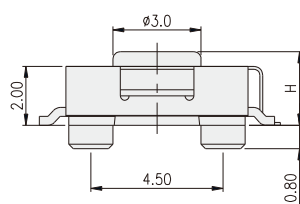
P.C.B. LAYOUT

TACT SWITCH

DTSGZMPL-6



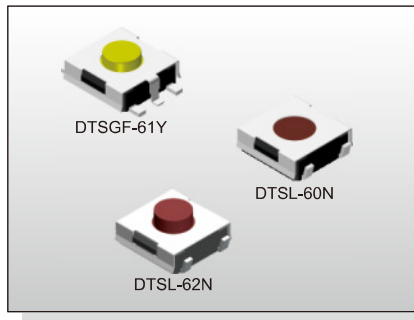
PART NO.	H
DTS□ZMPL-61	2.50
DTS□ZMPL-62	3.10
DTS□ZMPL-63	3.50
DTS□ZMPL-64	5.25



P.C.B. LAYOUT

TACT SWITCH DTS(G)(L)(F)-6 SERIES

6x6 Thinner Type With Ground Terminal
(Pitch 4.0mm)



FEATURES

- ※Thinner type with 2.0-3.1mm height
- ※Ground terminal available
- ※Reflow solderable

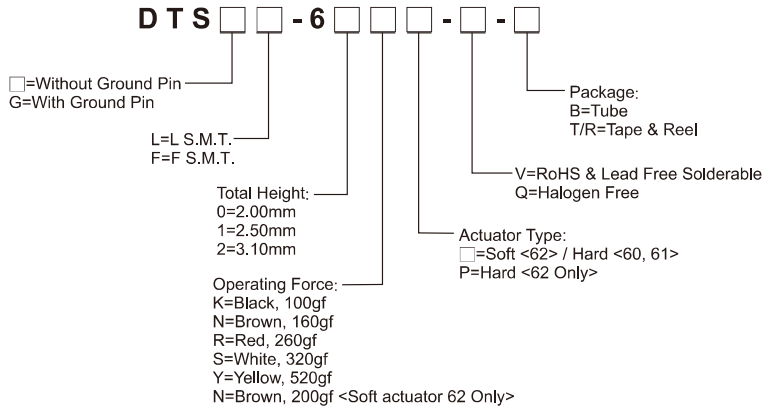
APPLICATION

- ※Audio, OA equipment
- ※Instrumentation
- ※White goods

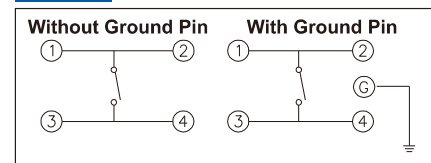
SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	100±50gf, Black(K) 160±50gf, Brown(N) 200±50gf, Brown(N) 62 Only 260±50gf, Red(R) 320±80gf, White(S) 520±130gf, Yellow(Y)
Travel	0.25mm
Operating Life	300,000 cycles for 520/320gf 500,000 cycles for 260/200gf 1,000,000 cycles for 160/100gf
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

HOW TO ORDER



CIRCUIT



PACKAGE

<Tube>

75 pcs

<Tape & Reel>

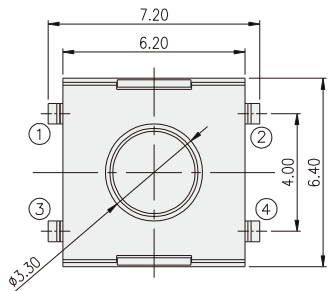
DTS(G)F-60 ☐ / DTSF-61 ☐: 3000 pcs

DTS(G)L-60 ☐ / DTS(G)L-61 ☐: 2700 pcs

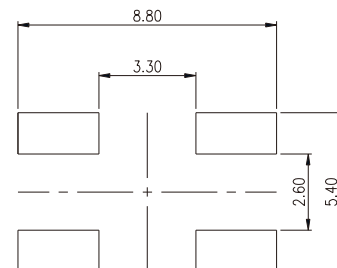
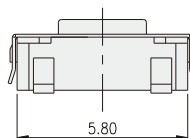
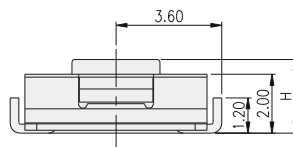
DTS(G)L-62 ☐ / DTS(G)F-62 ☐: 2500 pcs

DTSGF-61 ☐: 2500 pcs

DTSL-6



PART NO.	H
DTSL-60	2.00
DTSL-61	2.50
DTSL-62	3.10



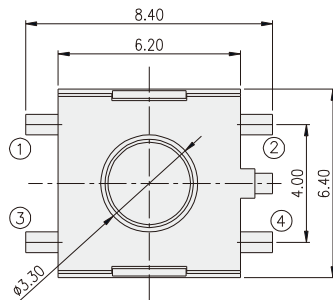
P.C.B. LAYOUT

TACT SWITCH
DTS(G)(L)(F)-6 SERIES

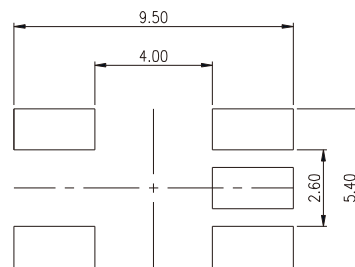
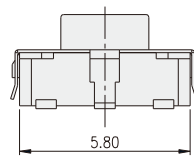
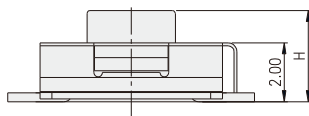
6x6 Thinner Type With Ground Terminal
 (Pitch 4.0mm)



DTSGF-6



PART NO.	H
DTSGF-60	2.00
DTSGF-61	2.50
DTSGF-62	3.10

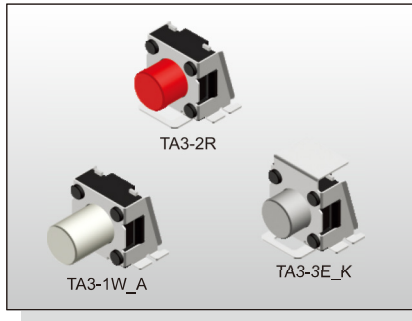


P.C.B. LAYOUT

TACT SWITCH

TACT SWITCH TA3 SERIES

6x6 Right Angle Type
With Supporting Terminal & Tab Available



FEATURES

- ※Sealed type IP57
- ※Extended bracket available
- ※Easy to pick & place with top tab

APPLICATION

- ※Data storage, Server
- ※Instrumentation
- ※Audio, OA equipment

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	10MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	185±50gf, 260±50gf
Travel	0.15mm
Operating Life	200,000 cycles
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

HOW TO ORDER

TA 3 - ☐ ☐ ☐ ☐ ☐ **-** ☐ **-** ☐ **-** ☐ **-** ☐

Stem Height:
 1=4.35mm
 2=2.80mm
 3=2.30mm
 4=4.00mm
 6=1.12mm

Color Of Stem:
 W=White
 R=Red
 E=Gray

Operating Force:
 2=185gf
 3=260gf

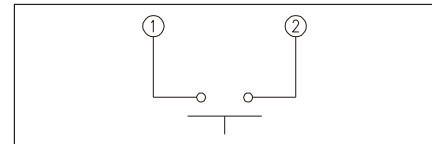
Package:
 T/R=Tape & Reel
 V=RoHS & Lead Free Solderable
 Q=Halogen Free

☐=Silver Plating
 S=Silicone Stem, Terminal Silver Plating
 (For TA3-3)

☐=Without Tab
 K=Tab for auto-dipping

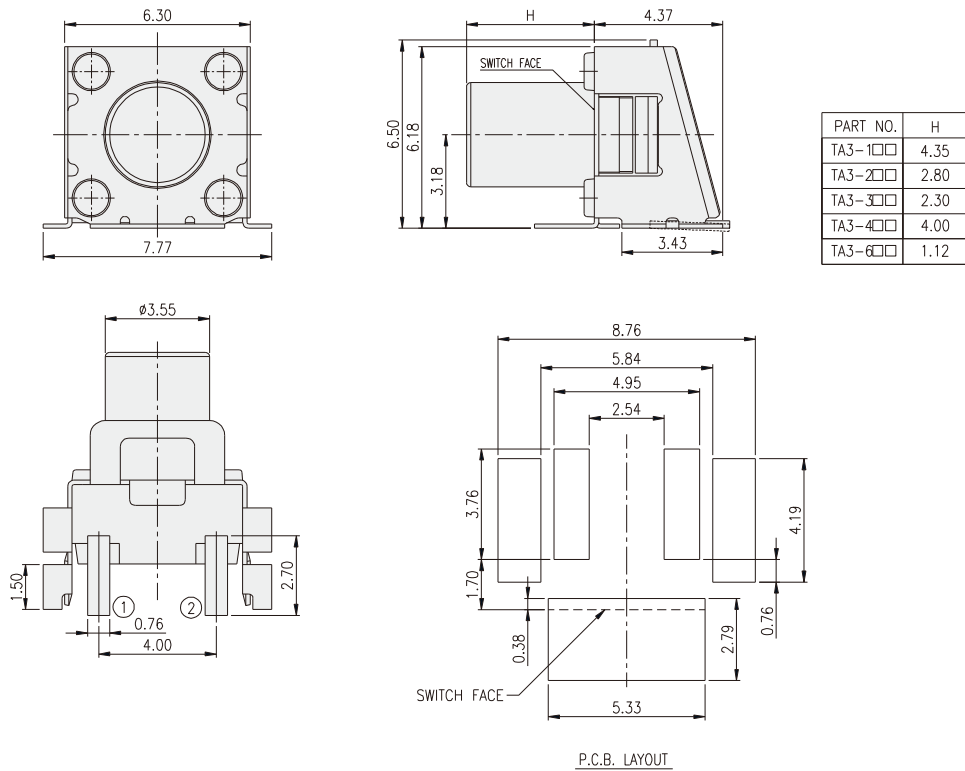
☐=With Solder Pad
 A=Without Solder Pad

CIRCUIT



PACKAGE

<Tape & Reel>
TA3: 600 pcs
TA3-□□□K: 550 pcs

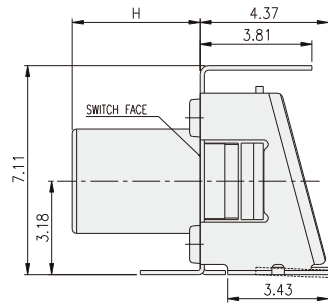
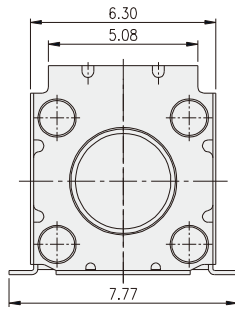
TA3-

TACT SWITCH
TA3 SERIES

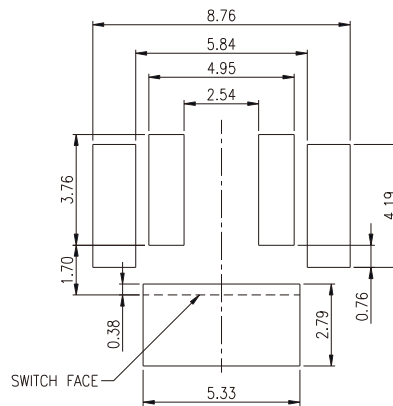
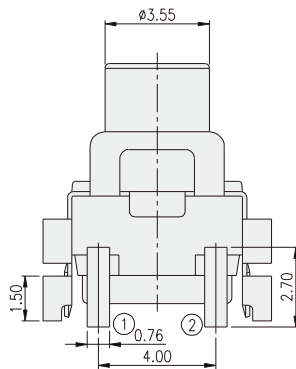
6x6 Right Angle Type
With Supporting Terminal & Tab Available



TA3-□□K

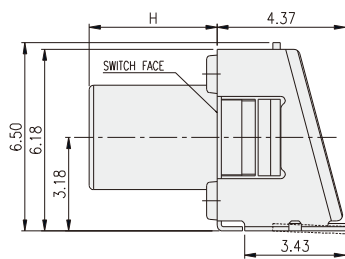
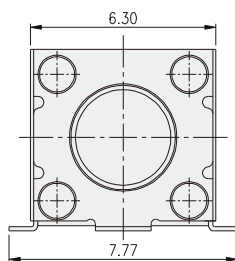


PART NO.	H
TA3-1□□K	4.35
TA3-2□□K	2.80
TA3-3□□K	2.30
TA3-4□□K	4.00
TA3-6□□K	1.12

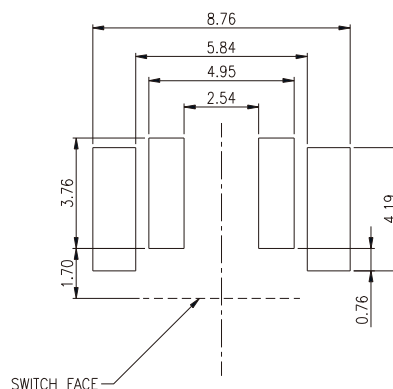
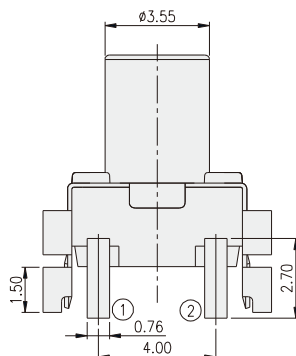


P.C.B. LAYOUT

TA3-□□A



PART NO.	H
TA3-1□□A	4.35
TA3-2□□A	2.80
TA3-3□□A	2.30
TA3-4□□A	4.00
TA3-6□□A	1.12

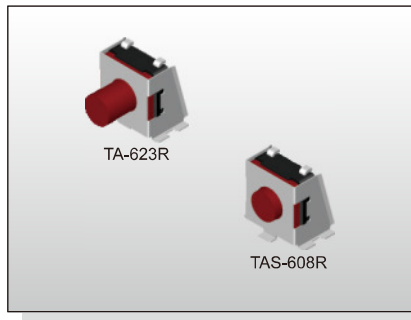


P.C.B. LAYOUT

TACT SWITCH

TACT SWITCH TA-6 SERIES

6x6 SMT & Right Angle Type
Soft Stem



FEATURES

- ※Right angle (SMT type)
- ※Support terminal available
- ※Reflow solderable

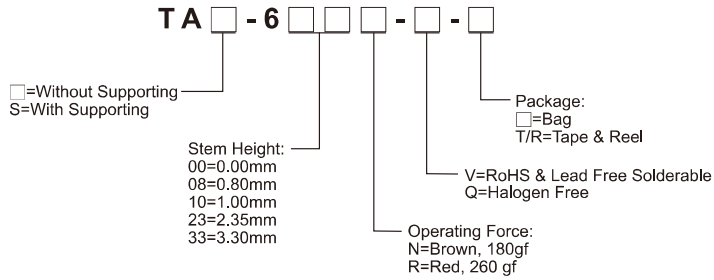
APPLICATION

- ※Audio, OA equipment
- ※Instrumentation
- ※Hair dryers

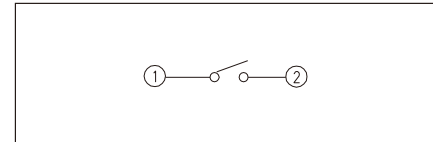
SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	180±50gf, Brown(N) 260±70gf, Red(R)
Travel	0.45mm
Operating Life	500, 000 cycles
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

HOW TO ORDER



CIRCUIT



PACKAGE

<Bag>

500 pcs

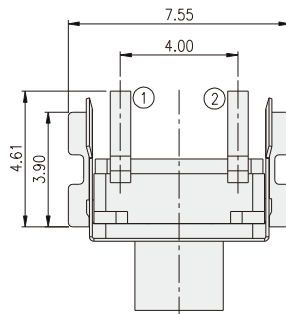
<Tape & Reel>

TA(S)-600 / 608 / 610 / 623: 700 pcs

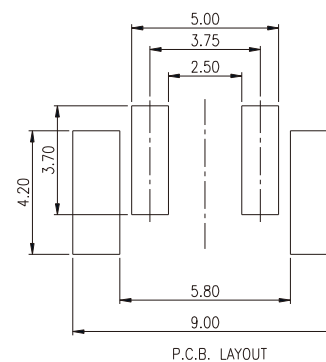
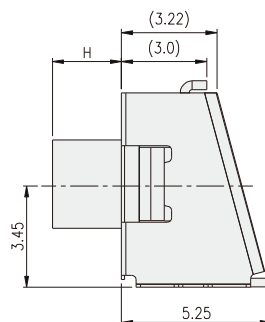
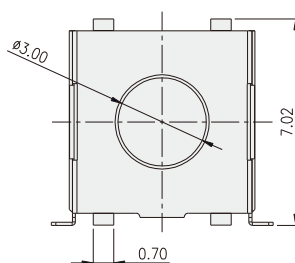
TA(S)-633: 500 pcs

TACT SWITCH

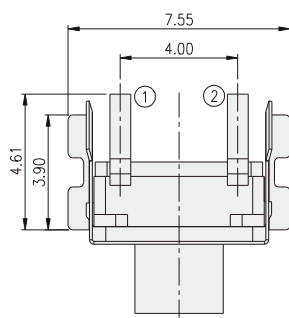
TA-6



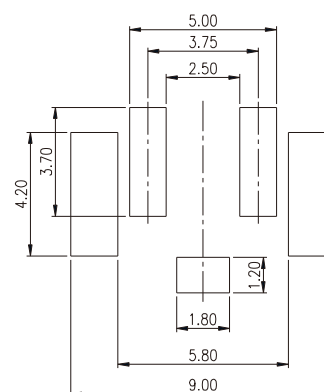
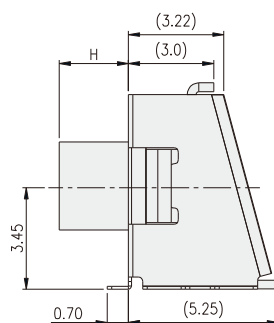
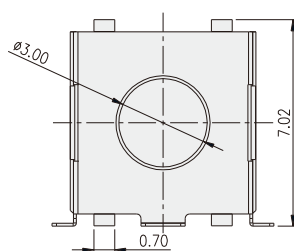
PART NO.	H
TA-600	0
TA-608	0.80
TA-610	1.00
TA-623	2.35
TA-633	3.30



TAS-6



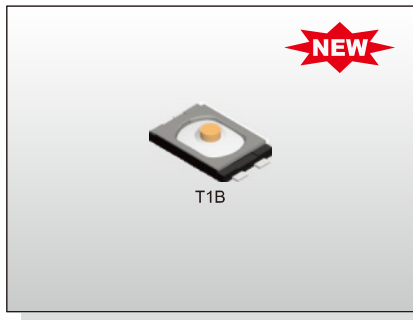
PART NO.	H
TAS-600	0
TAS-608	0.80
TAS-610	1.00
TAS-623	2.35
TAS-633	3.30



P.C.B. LAYOUT

TACT SWITCH T1B SERIES

2.6*1.6 SMT Type
(H=0.55mm)



FEATURES

- ※ Compact-size 2.6*1.6mm
- ※ Low profile with 0.55mm
- ※ 200,000 operation cycles

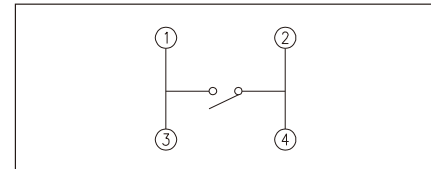
APPLICATION

- ※ Smart phone
- ※ Digital camera, Medical
- ※ Portable electronic device
- ※ 3C products

SPECIFICATION

Contact Rating	10uA, 2V DC to 20mA, 15V DC
Contact Resistance	500mΩ max.
Insulation Resistance	50MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf
Travel	0.11mm
Operating Life	200,000 cycles
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

CIRCUIT



PACKAGE

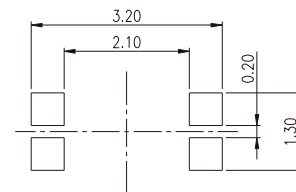
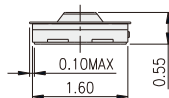
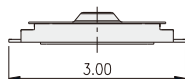
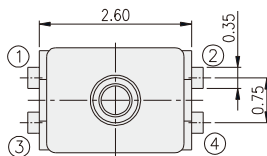
<Tape & Reel>
8000 pcs

HOW TO ORDER

T 1 B □ Q R

- Package: Tape & Reel
- Halogen Free
- Operating Force: 2=160gf

T1B

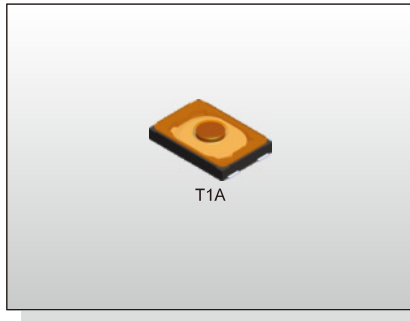


P.C.B. LAYOUT

TACT SWITCH

TACT SWITCH T1A SERIES

2.8*1.9 J Terminal SMT Type
(H=0.60mm)



FEATURES

- ※ Compact-size 2.8*1.9mm
- ※ Low profile with 0.60mm
- ※ Long operation cycles

APPLICATION

- ※ Smart phone
- ※ Digital camera, Medical
- ※ Portable electronic device
- ※ 3C products

SPECIFICATION

Contact Rating	10uA, 1V DC to 50mA, 12V DC
Contact Resistance	500mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	100V AC/1 minute
Operating Force	160±50gf / 200±50gf
Travel	0.13mm
Operating Life	300,000 cycles
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

HOW TO ORDER

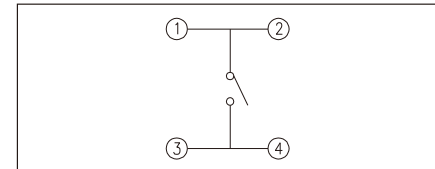
T 1 A □ Q R

Package:
Tape & Reel

Halogen Free

Operating Force:
2=160gf
3=200gf

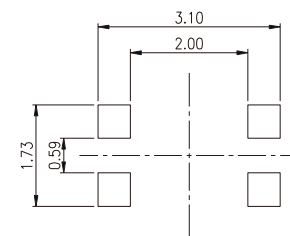
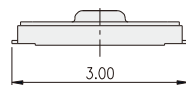
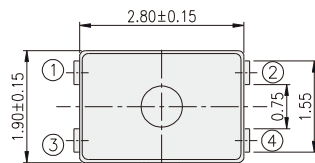
CIRCUIT



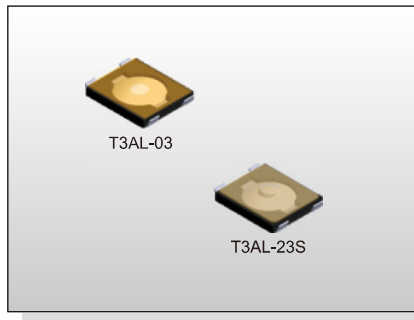
PACKAGE

<Tape & Reel>
16000 pcs

T1A



P.C.B. LAYOUT



FEATURES

- ※ Compact-sized 2.6x3mm
- ※ Low profile with 0.45mm / 0.65mm

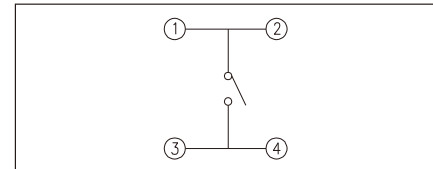
APPLICATION

- ※ Smart phone
- ※ Digital camera, Medical
- ※ Portable electronic device

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	500mΩ max.
Insulation Resistance	50MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	100±50gf, 160±50gf
Travel	0.15mm
Operating Life	100,000 cycles
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

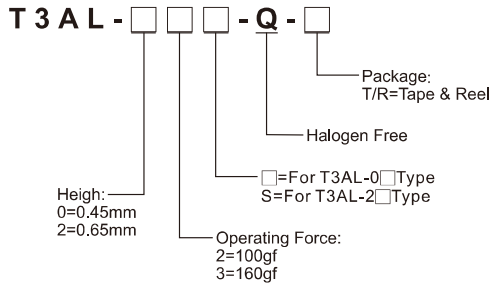
CIRCUIT



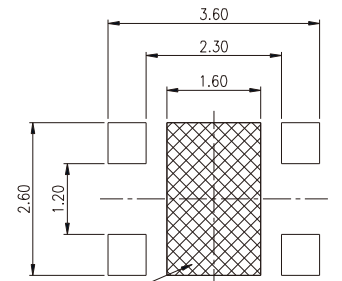
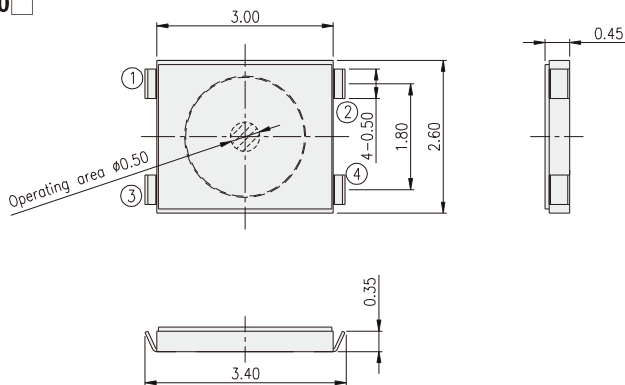
PACKAGE

<Tape & Reel>
8000 pcs

HOW TO ORDER



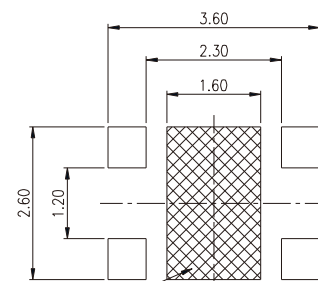
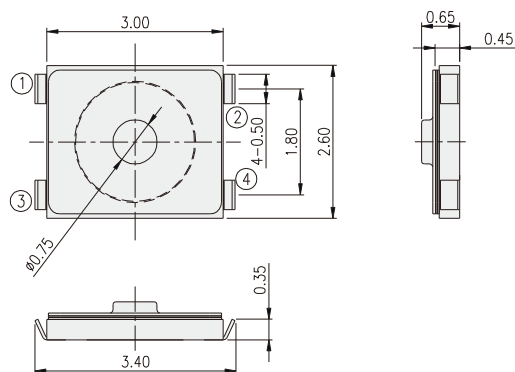
T3AL-0□



Any land pattern or vias shall not be provided at 1.6X2.6 area.

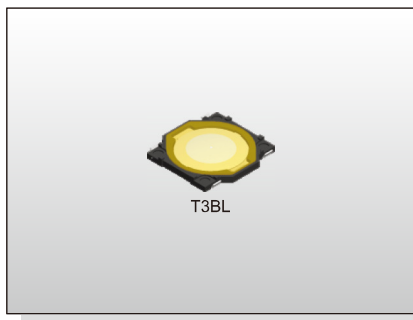
P.C.B. LAYOUT

T3AL-2□S



Any land pattern or vias shall not be provided at 1.6X2.6 area.

P.C.B. LAYOUT



FEATURES

- ※ Compact-sized 3.7x3.7mm
- ※ Low profile of 0.35mm height
- ※ 500,000 life cycles operating

APPLICATION

- ※ Smart phone
- ※ Digital camera, Medical
- ※ Portable electronic device

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	100V AC/1 minute
Operating Force	160±50gf/235±60gf
Travel	0.15mm
Operating Life	50,000 cycles for 235gf 500,000 cycles for 160gf
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

HOW TO ORDER

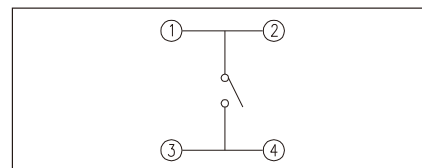
T 3 B L - ☐ ☐ - Q - ☐

Package:
T/R=Tape & Reel

Halogen Free

Operating Force:
03=160gf
05=235gf

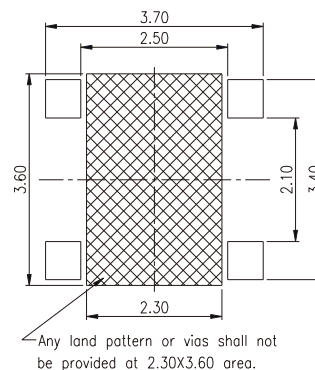
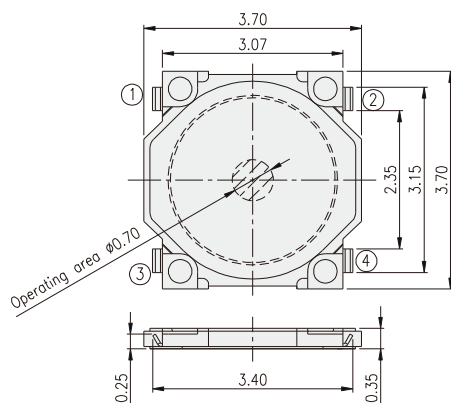
CIRCUIT



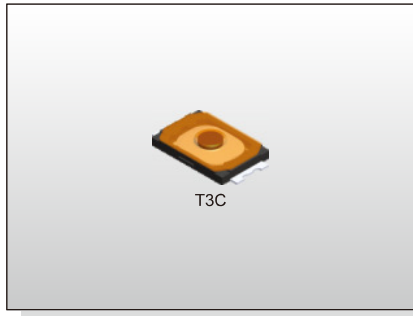
PACKAGE

<Tape & Reel>
8000 pcs

T3BL



P.C.B. LAYOUT



T3C

FEATURES

- ※ Compact-size 3.0*2.0mm
- ※ Low profile with 0.60mm
- ※ Long operation cycles

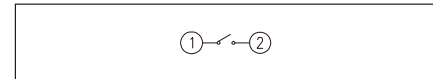
APPLICATION

- ※ Smart phone
- ※ Digital camera, Medical
- ※ Portable electronic device
- ※ 3C products

SPECIFICATION

Contact Rating	10uA, 1V DC to 50mA, 12V DC
Contact Resistance	500mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	100V AC/1 minute
Operating Force	160±50gf / 180±50gf / 240±60gf
Travel	0.13mm
Operating Life	300,000 cycles
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

CIRCUIT



PACKAGE

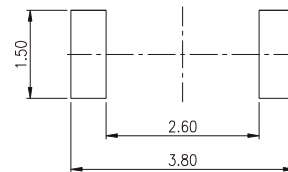
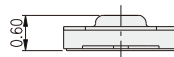
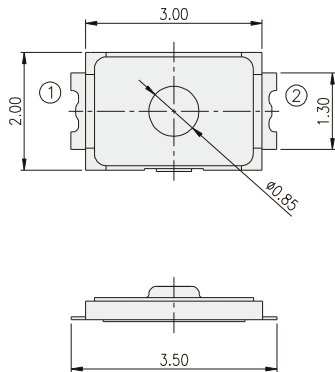
<Tape & Reel>
8000 pcs

HOW TO ORDER

T 3 C □ Q R

- Package: Tape & Reel
- Halogen Free
- Operating Force:
2=160gf
3=180gf
4=240gf

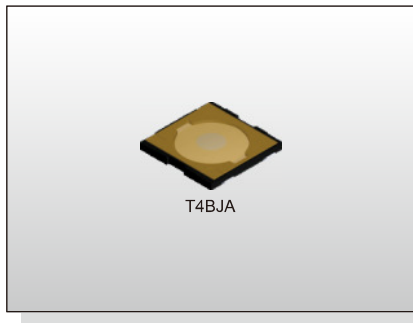
T3C



P.C.B. LAYOUT

TACT SWITCH T4BJ SERIES

4.8x4.8 J Terminal SMT Type
(H: 0.55mm)



FEATURES

- ※ Compact-sized 4.8x4.8mm
- ※ Low profile of 0.55mm height
- ※ Long operating life

APPLICATION

- ※ Smart phone
- ※ Digital camera, Medical
- ※ Portable electronic device

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	100V AC/1 minute
Operating Force	100±50gf/160±50gf/200±50gf 260±50gf/360±60gf
Travel	0.2mm
Operating Life	200,000 cycles for 360gf 500,000 cycles for 260/200gf 1,000,000 cycles for 160/100gf
Operating Temp.	-30°C ~ +80°C
Storage Temp.	-40°C ~ +85°C

HOW TO ORDER

T 4 B J □ □ □ B Q R

Terminal Pitch:
A=2.80mm
B=3.70mm

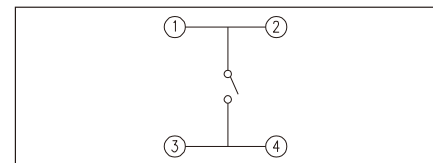
Operating Force:
10=100gf
16=160gf
20=200gf
26=260gf
36=360gf

Package:
Tape & Reel

Halogen Free

Double Dome

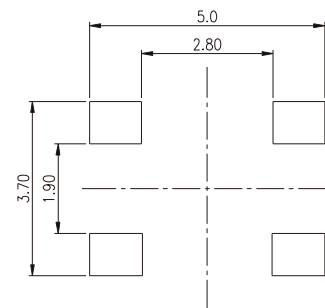
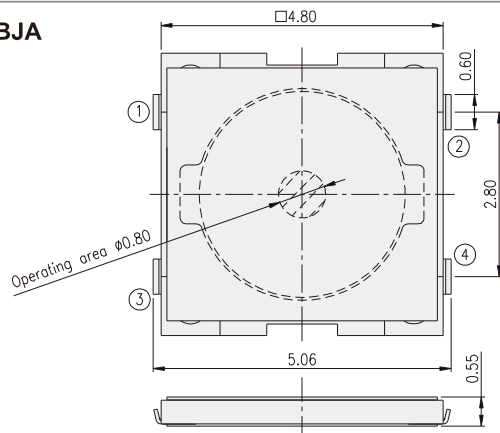
CIRCUIT



PACKAGE

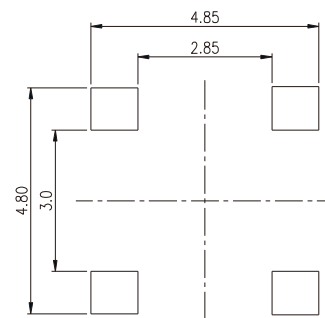
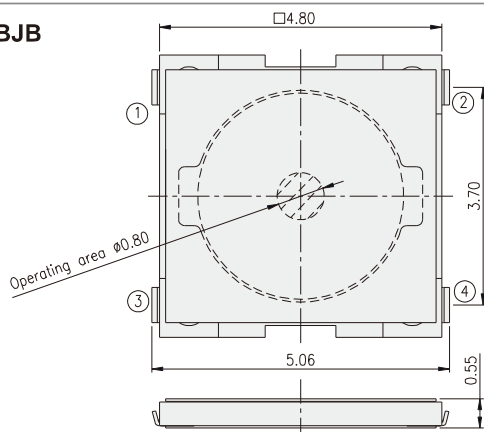
<Tape & Reel>
8000 pcs

T4BJA



P.C.B. LAYOUT

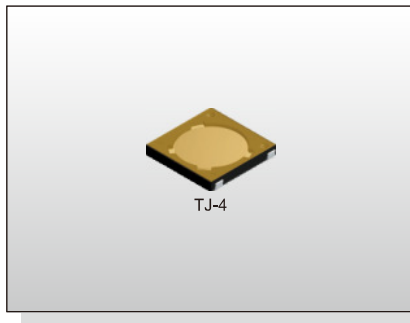
T4BJB



P.C.B. LAYOUT

TACT SWITCH TJ-4 SERIES

4.4x4.4 J Terminal SMT Type
(H: 0.55mm)



FEATURES

- ※ Compact-sized 4.4x4.4mm
- ※ Low profile of 0.55mm height
- ※ Long operating life

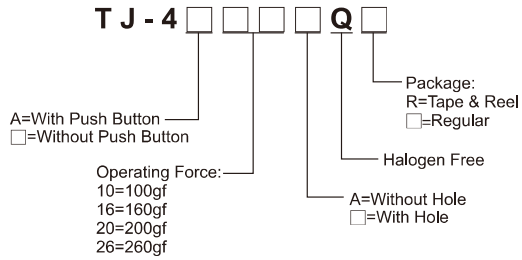
APPLICATION

- ※ Smart phone
- ※ Digital camera, Medical
- ※ Portable electronic device

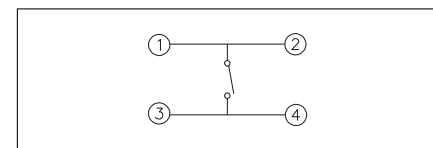
SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	300V AC/1 minute
Operating Force	100±50gf/160±50gf/200±50gf 260±50gf
Travel	0.2mm
Operating Life	500,000 cycles for 260/200gf 1,000,000 cycles for 160/100gf
Operating Temp.	-20°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

HOW TO ORDER



CIRCUIT

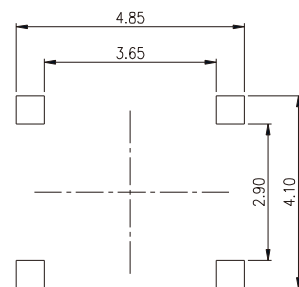
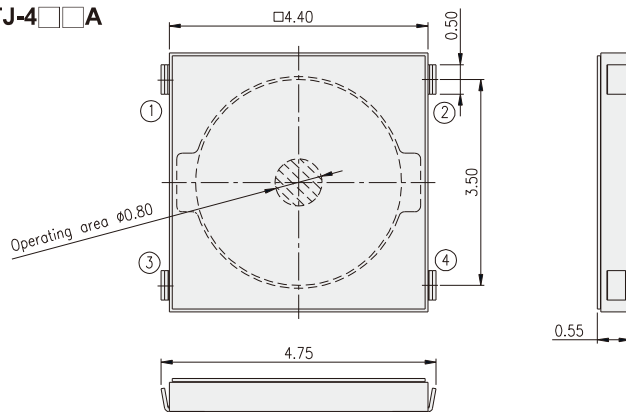


PACKAGE

<Tape & Reel>
TJ-4: 8000 pcs

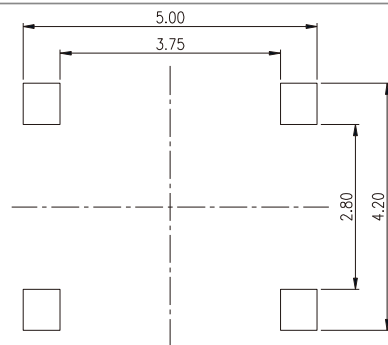
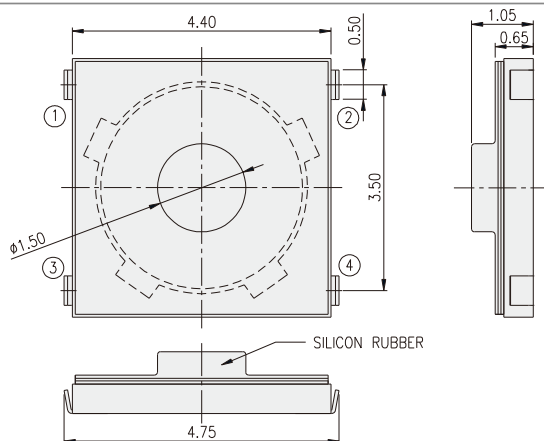
TACT SWITCH

TJ-4 ☐ ☐ A



P.C.B. LAYOUT

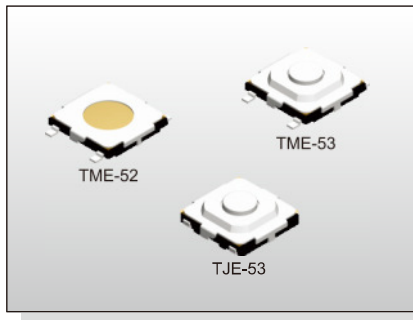
TJ-4A



P.C.B. LAYOUT

TACT SWITCH T(E)-5 SERIES

5.2x5.2 SMT & J SMT Type
(H: 0.8 / 1.5mm)



FEATURES

- ※ Compact-sized 5.2x5.2mm
- ※ Long operating life
- ※ With ground terminal

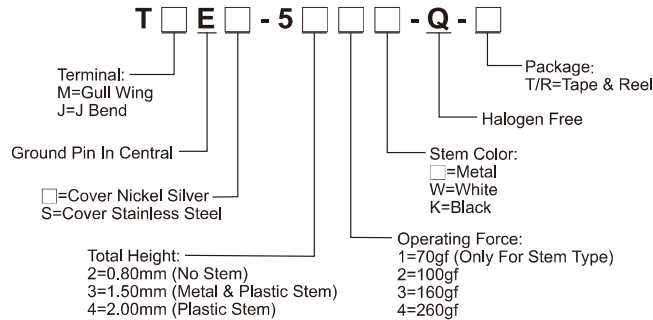
APPLICATION

- ※ Smart phone
- ※ Digital camera, Medical
- ※ Portable electronic device

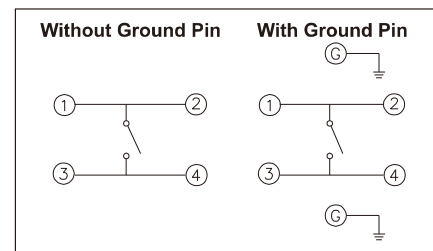
SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	70±50gf/100±50gf/160±50gf 260±50gf
Travel	0.25mm
Operating Life	200,000 cycles for 260gf 1,000,000 cycles for 160/100/70gf
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

HOW TO ORDER



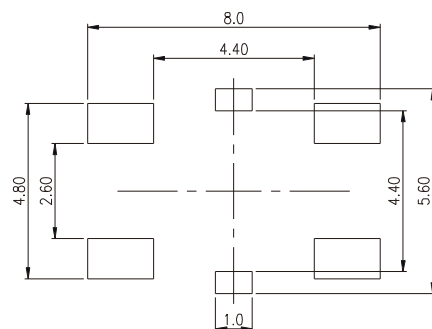
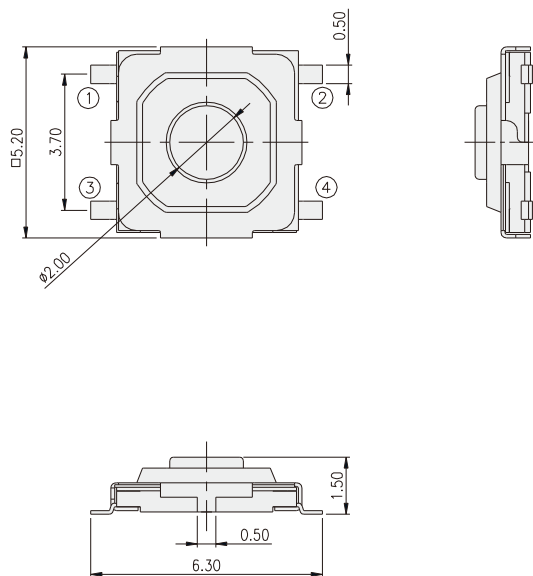
CIRCUIT



PACKAGE

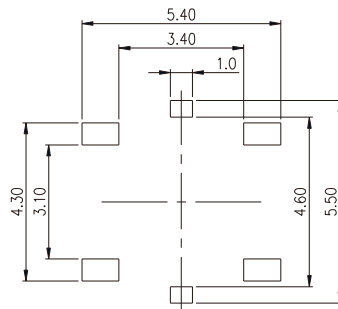
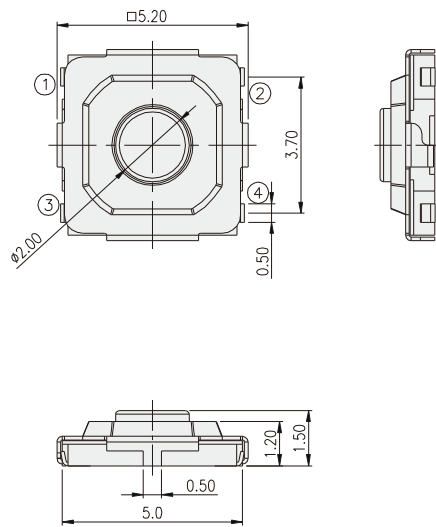
<Tape & Reel>
T □ E-52, 53=4000 pcs
T □ E-54=3000 pcs

TME-5



P.C.B. LAYOUT

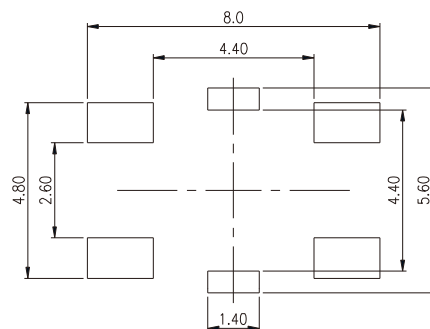
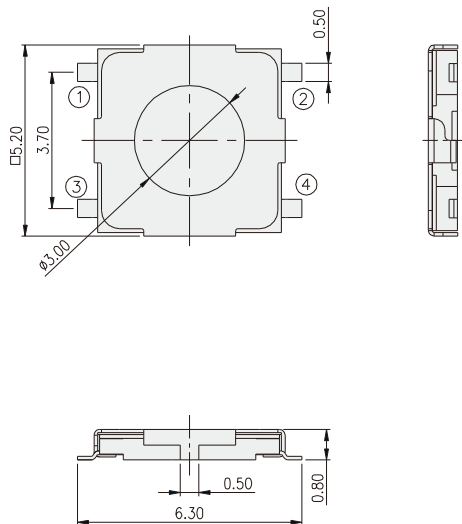
TJE-53



P.C.B. LAYOUT

TACT SWITCH

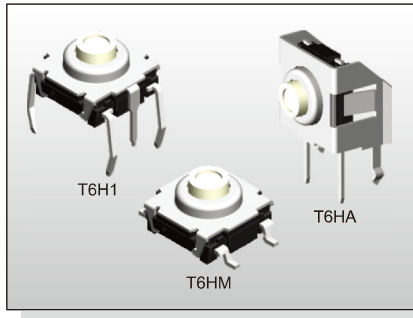
TME-52



P.C.B. LAYOUT

TACT SWITCH T6H SERIES

7.4x7.4 / 8.0x8.0
Right Angle / Through Hole / SMT Type



FEATURES

- ✳ Support automatic insertion
- ✳ Vertical actuation
- ✳ Dust proof structure

APPLICATION

- ✳ Automotive
- ✳ Industrial
- ✳ Instrumentation

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	130±50gf / 160±50gf 300±50gf / 500±100gf
Travel	0.5mm
Operating Life	200,000 cycles for 500gf 500,000 cycles for 300gf 1,000,000 cycles for 160/130gf
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

HOW TO ORDER

T 6 H - - - Q

A=Right angle series
H=Through holes
M=S.M.T Type
1=6x6 ground terminal type
2=S.M.T ground terminal type

Package Style:
R=Tape & Reel (S.M.T. Type Only)
B=Tube

Halogen Free

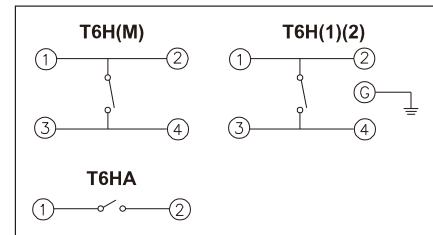
Contact Plating:
G = Plating Ag
A= Plating Au

Operating Force:
2=130gf
3=160gf
5=300gf
6=500gf

Total Height :

SMT/Through hole	Right angle
1=4.70mm	1=6.04mm
2=5.20mm	2=6.54mm
3=6.90mm	3=8.24mm
5=10.0mm	5=11.34mm

CIRCUIT



PACKAGE

<Tube>

T6HH, T6H1: 60 pcs

T6HA: 52 pcs

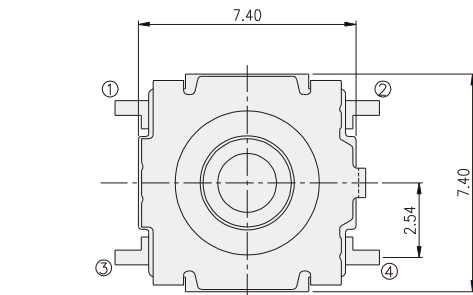
<Tape & Reel>

T6HM-(1)(2): 700 pcs

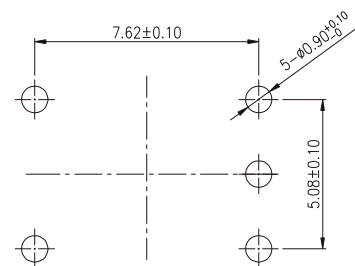
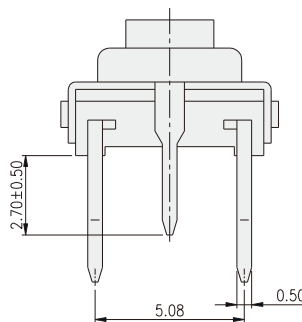
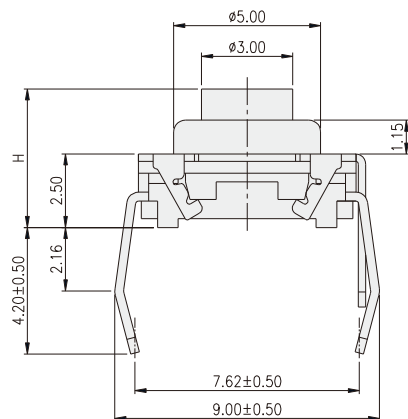
T6HM-3: 500 pcs

T6HM-5: 350 pcs

T6H1

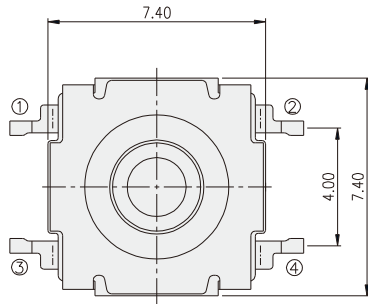


PART NO.	H
T6H1-1	4.70
T6H1-2	5.20
T6H1-3	6.90
T6H1-5	10.00

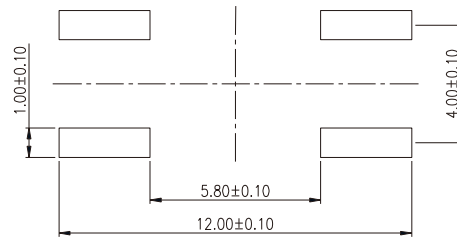
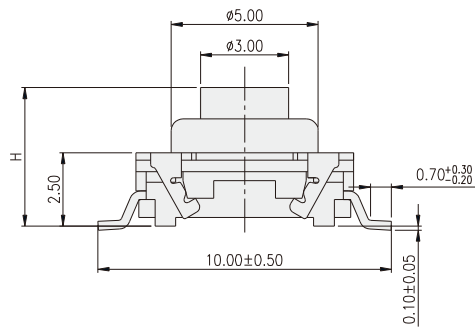


P.C.B. LAYOUT

T6HM



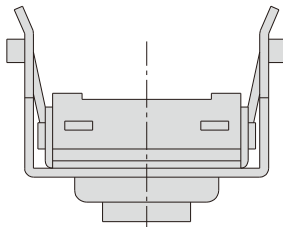
PART NO.	H
T6HM-1	4.70
T6HM-2	5.20
T6HM-3	6.90
T6HM-5	10.00



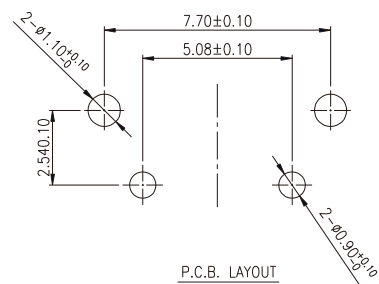
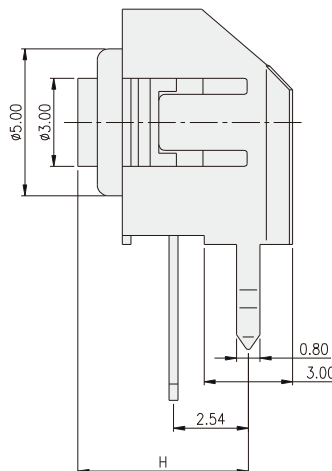
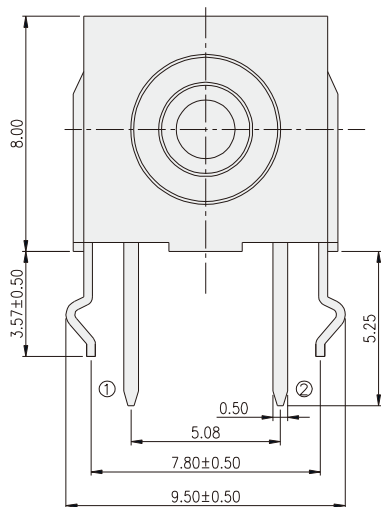
P.C.B. LAYOUT

TACT SWITCH

T6HA



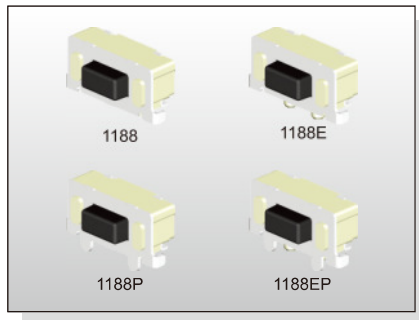
PART NO.	H
T6HA-1	6.04
T6HA-2	6.54
T6HA-3	8.24
T6HA-5	11.34



P.C.B. LAYOUT

TACT SWITCH 1188 SERIES

3.5x7
SMT & Side Push Type



FEATURES

- ※Side actuated
- ※Support / Ground pins options
- ※High solder strength

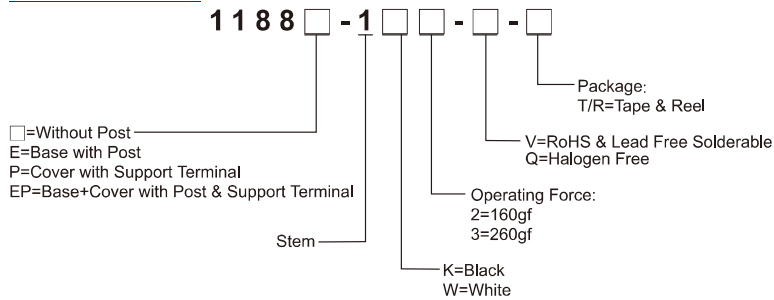
APPLICATION

- ※Audio, OA equipment
- ※Instrumentation
- ※Remote control

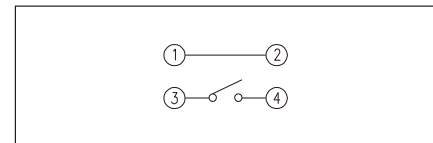
SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf/260±50gf
Travel	0.25mm
Operating Life	30,000 cycles for 260gf 50,000 cycles for 160gf
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-40°C ~ +80°C

HOW TO ORDER



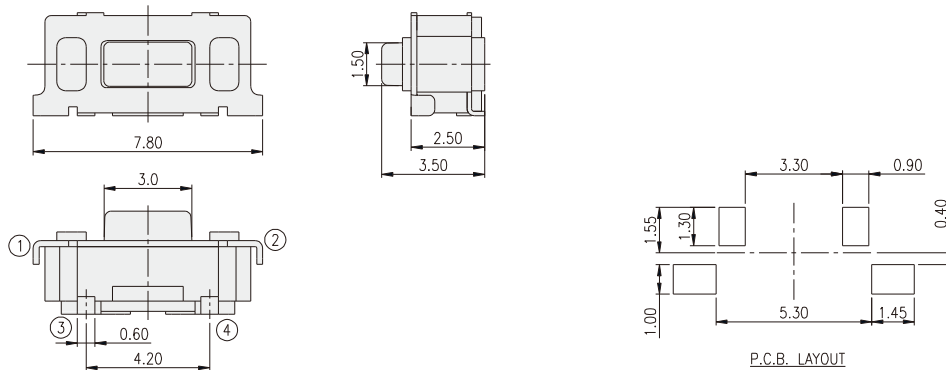
CIRCUIT



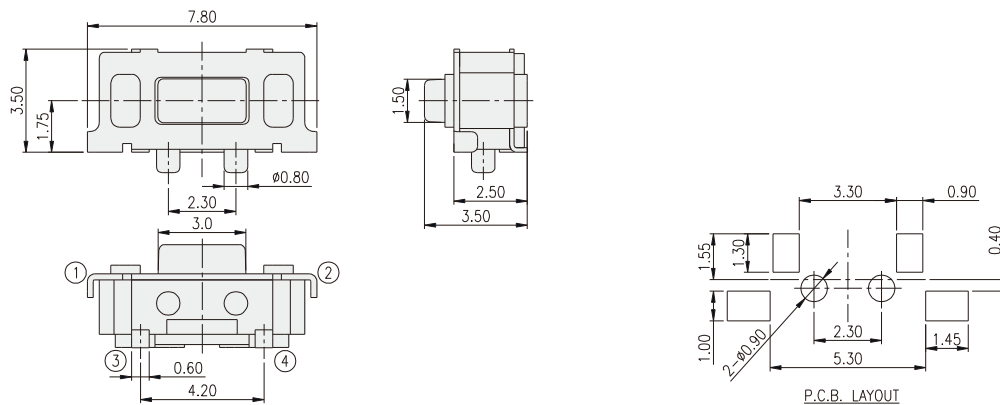
PACKAGE

<Tape & Reel>
1500 pcs

1188



1188E



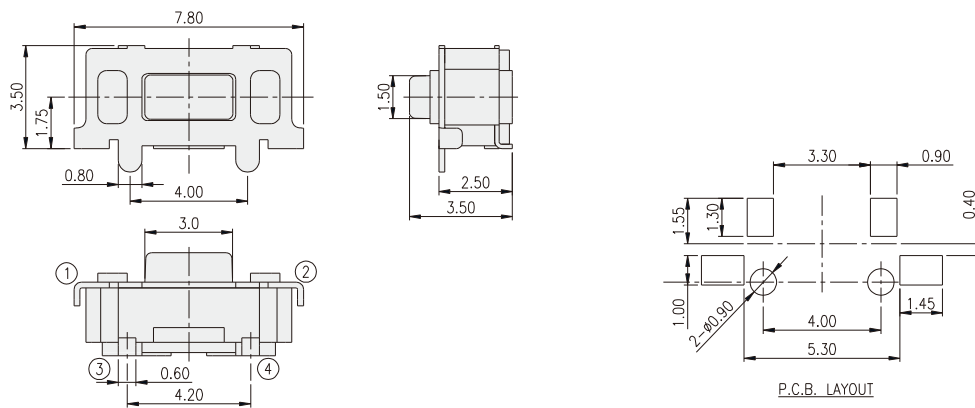
DIPTRONICS

TACT SWITCH
1188 SERIES

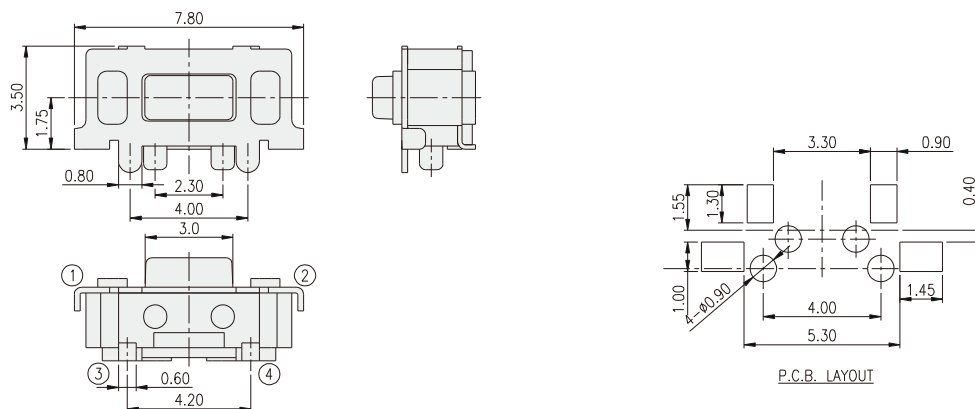
3.5x7
SMT & Side Push Type



1188P



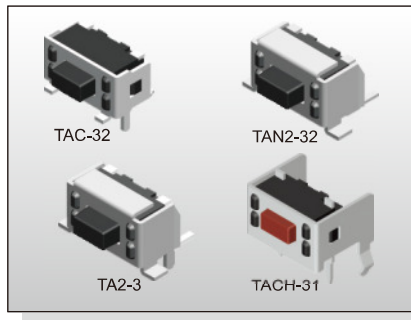
1188EP



TACT SWITCH

TACT SWITCH TA(C)(2)-3 SERIES

3.95x7.3 / 4.65x7.0
SMT & Side Push Type



FEATURES

- ※Side actuated
- ※Support/Ground pin option
- ※High solder strength

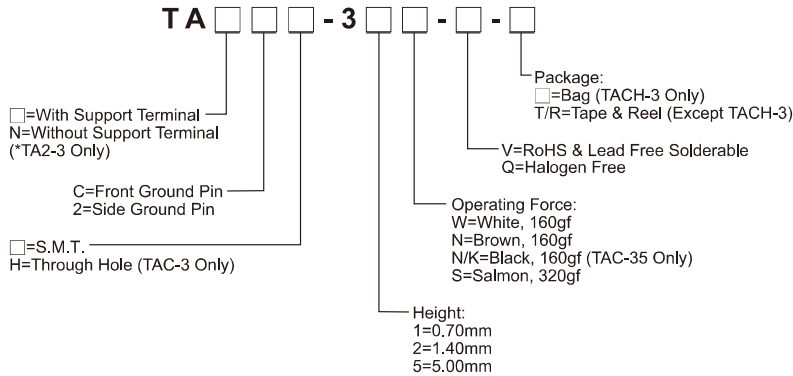
APPLICATION

- ※Data storage, Server
- ※Instrumentation
- ※Audio, OA equipment

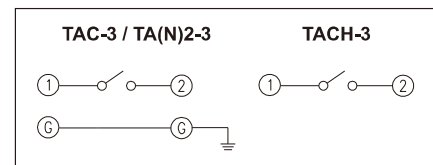
SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf, 260±50gf TAC-3 160±50gf, White(W) 160±50gf, Brown(N) 320±50gf, Salmon(S) TA2-3
Travel	0.25mm
Operating Life	50,000 cycles
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-40°C ~ +80°C

HOW TO ORDER



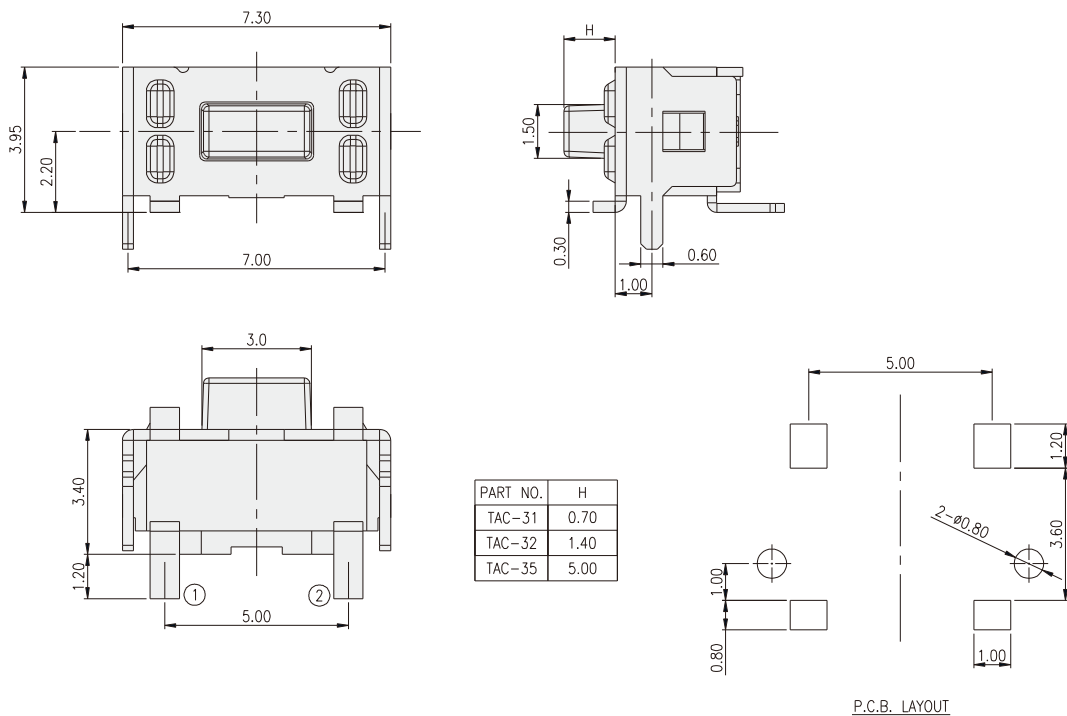
CIRCUIT



PACKAGE

<Bag>
500 pcs(TACH-3 Only)
<Tape & Reel>
900 pcs

TAC-3

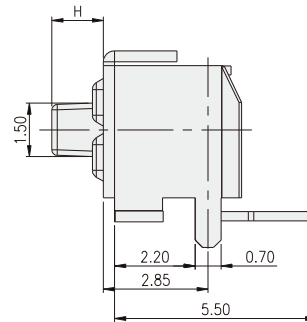
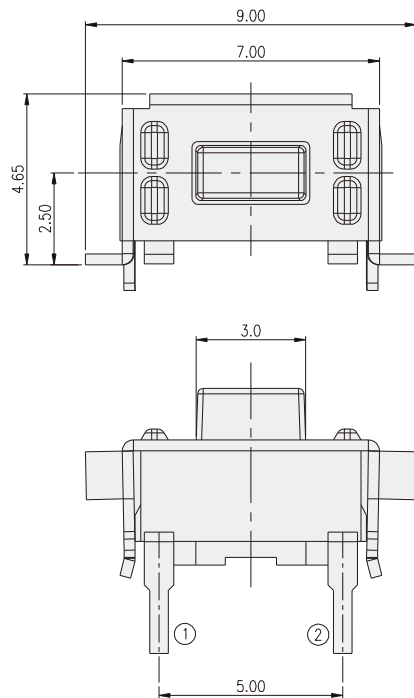


TACT SWITCH
TA(C)(2)-3 SERIES

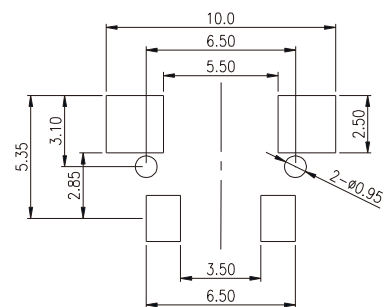
3.95x7.3 / 4.65x7.0
SMT & Side Push Type



TA2-3



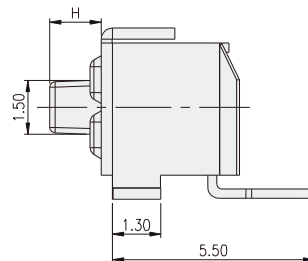
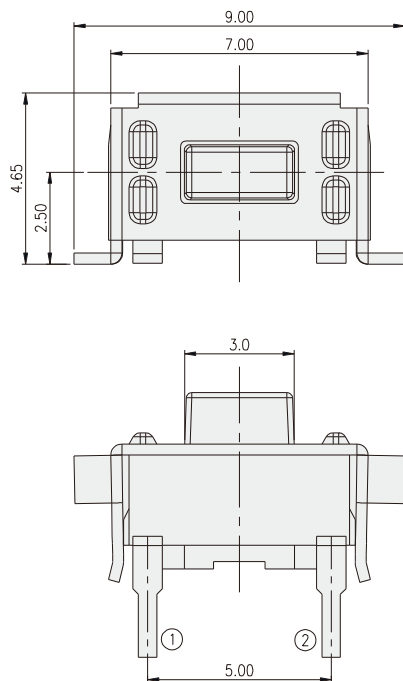
PART NO.	H
TA2-31	0.70
TA2-32	1.40
TA2-35	5.00



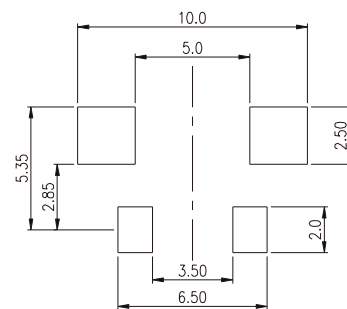
P.C.B. LAYOUT

TACT SWITCH

TAN2-3



PART NO.	H
TAN2-31	0.70
TAN2-32	1.40
TAN2-35	5.00



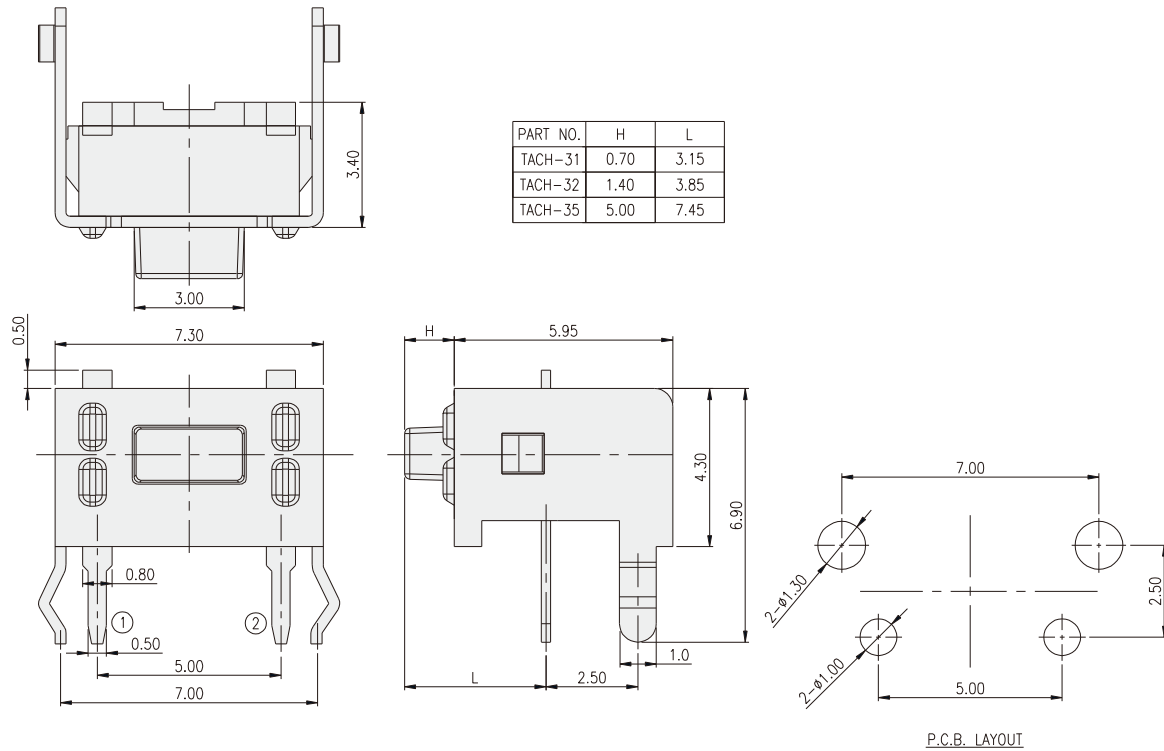
P.C.B. LAYOUT

TACT SWITCH
TA(C)(2)-3 SERIES

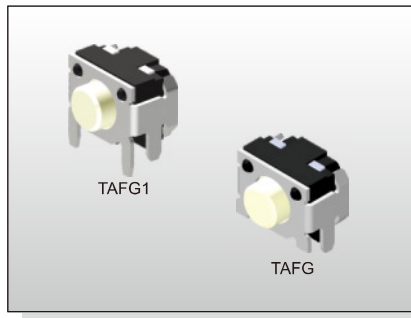
3.95x7.3 / 4.65x7.0
 SMT & Side Push Type



TACH-3



TACT SWITCH



FEATURES

- ※Miniature 3.3x4.5mm side push type
- ※High solder strength
- ※Sharp click feeling

APPLICATION

- ※Smart phone
- ※Tablet
- ※Portable personal audio

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	500mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf/250±50gf
Travel	0.2mm
Operating Life	100,000 cycles
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

HOW TO ORDER

T A F ☐ - 1 ☐ **W Q R**

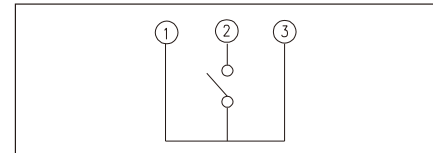
☐ = Cover Without Post
G = Cover With Post
G1 = Cover With Post & Ground Pin

Package: Tape & Reel
Halogen Free

2=160gf
3=250gf

Stem Color:
W=White

CIRCUIT

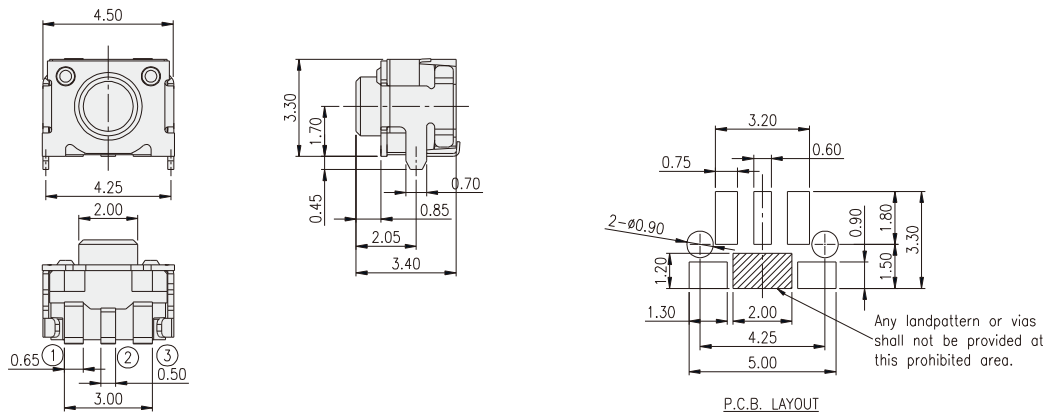


PACKAGE

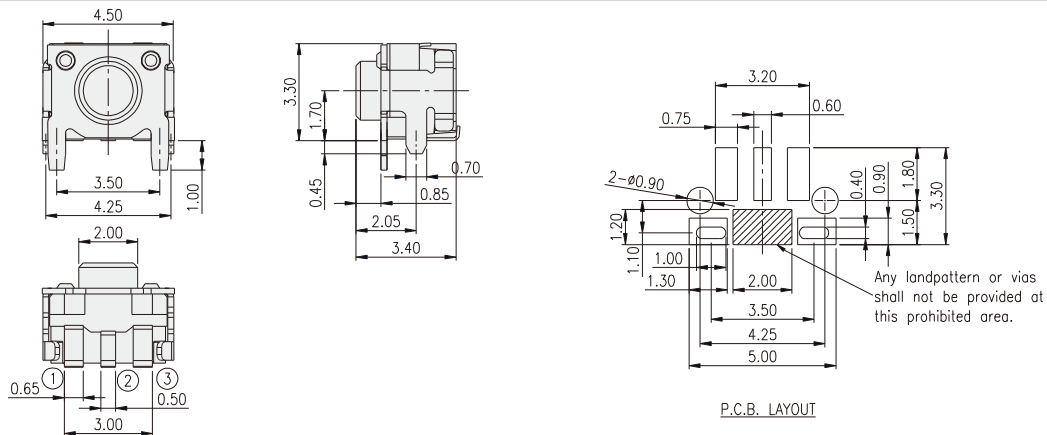
<Tape & Reel>
1800 pcs

TACT SWITCH

TAFG

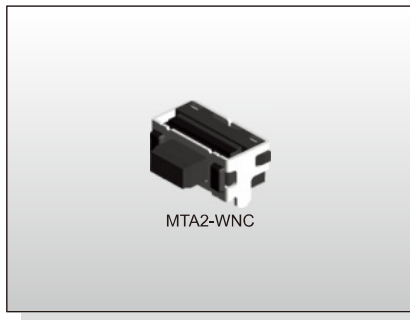


TAFG1



TACT SWITCH MTA2 SERIES

1.8x4.5
Side Push Sealed Type



FEATURES

- ※ Compact-sized 1.9x4.5mm
- ※ Side actuated
- ※ Sealed with dust proof structure

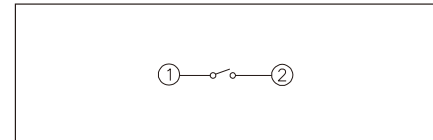
APPLICATION

- ※ Smart phone
- ※ Digital camera, Medical
- ※ Portable electronic device

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	180±50gf
Travel	0.20mm
Operating Life	100,000 cycles
Operating Temp.	-30°C ~ +80°C
Storage Temp.	-40°C ~ +90°C

CIRCUIT



PACKAGE

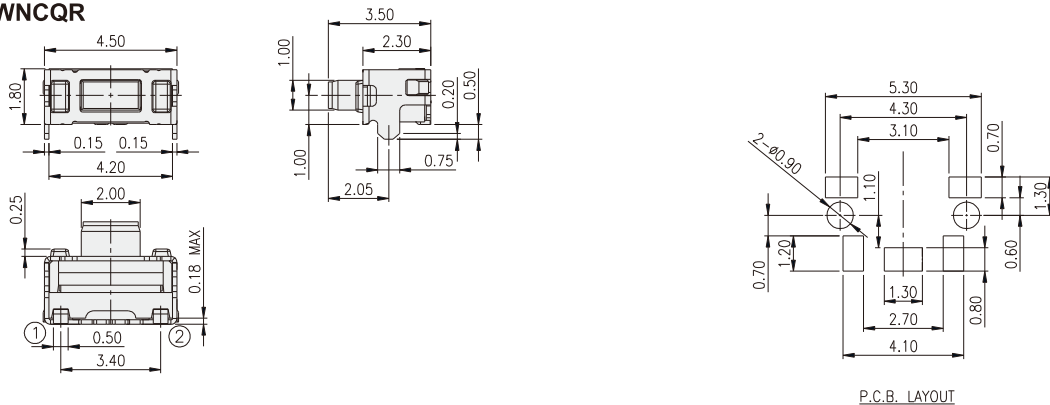
<Tape & Reel>
3000 pcs

HOW TO ORDER

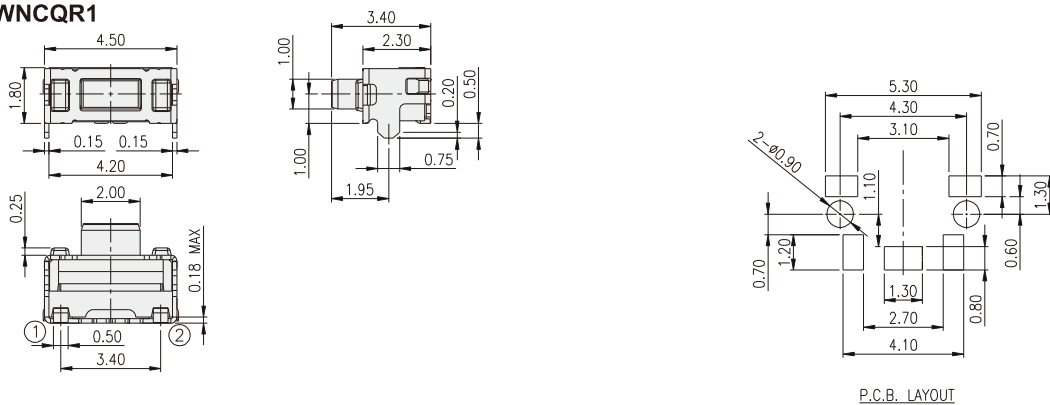
MTA2 - W N C Q R □

Washable Type
Operating Force: 180gf
Height: □=2.05mm
1=1.95mm
Package: Tape & Reel
Halogen Free
With Post

MTA2-WNCQR



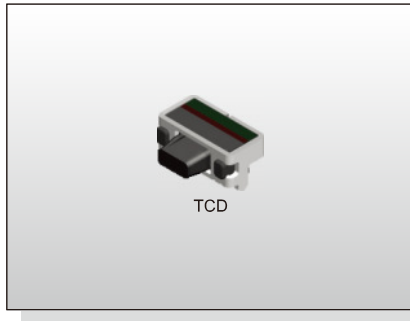
MTA2-WNCQR1



DIPTRONICS

TACT SWITCH TCD SERIES

1.7x4.5
PCB Sealed Type Side Push



FEATURES

- ※ Compact-sized
- ※ Side actuated
- ※ Sealed with dust proof
- ※ PCB-base structure

APPLICATION

- ※ Smart phone
- ※ Digital Camera, Medical
- ※ Portable electronic device

SPECIFICATION

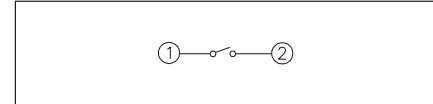
Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf
Travel	0.2mm
Operating Life	100,000 cycles
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

HOW TO ORDER

TCD-C2KQR

Cover With Post
Operating Force: 160gf
Package: Tape & Reel
Halogen Free
Color Of Stem: Black

CIRCUIT

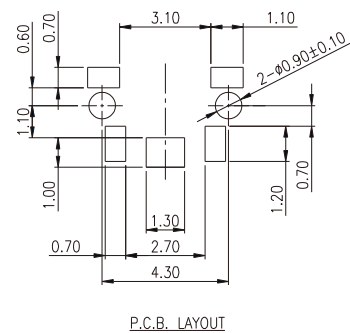
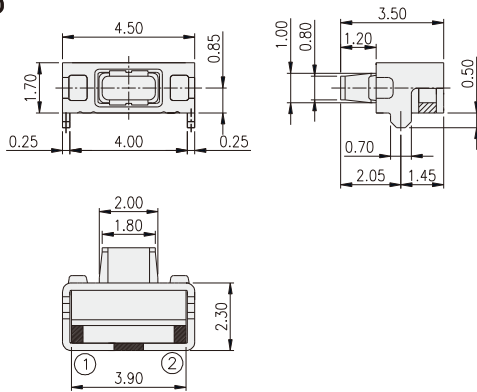


PACKAGE

<Tape & Reel>
3000 pcs

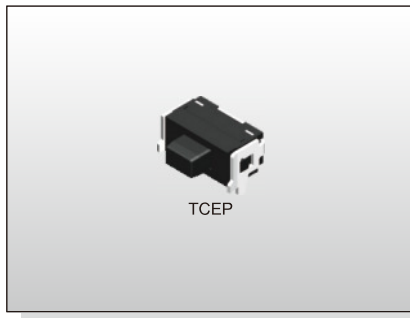
TACT SWITCH

TCD



TACT SWITCH TCE SERIES

1.65x3.8
Sealed Side Push Type



FEATURES

- ※1.65mm above PCB
- ※High solder strength

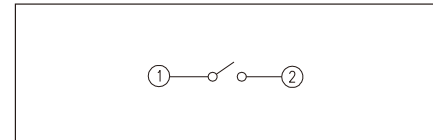
APPLICATION

- ※Personal audio
- ※Mobile phone
- ※Audio, OA equipment

SPECIFICATION

Contact Rating	20mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf
Travel	0.2mm
Operating Life	100,000 cycles
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +90°C

CIRCUIT



PACKAGE

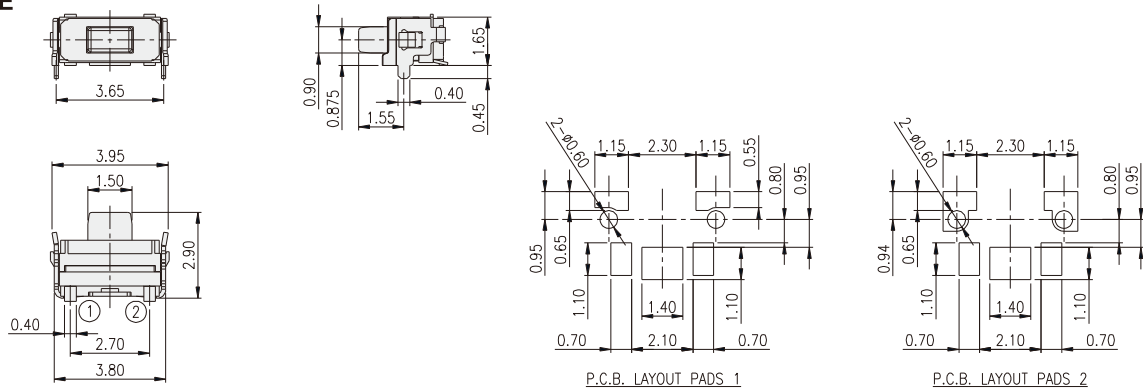
<Tape & Reel>
3000 pcs

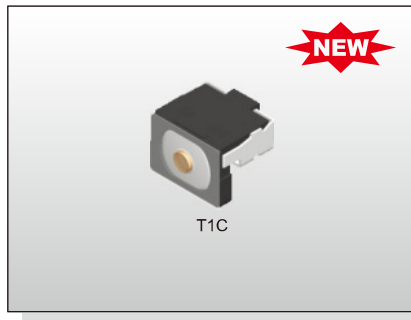
HOW TO ORDER

T C E P Q R

With Post
Package: Tape & Reel
Halogen Free

TCE





FEATURES

- ※Miniature 2.8*1.95mm
- ※Side push mid-mount type
- ※300,000 operation life cycles
- ※Better soldering peeling strength
- ※Height from surface of PCB:0.975mm

APPLICATION

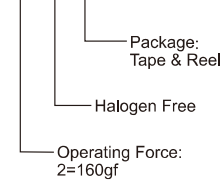
- ※Smart phone
- ※Medical
- ※Portable electronic device
- ※3C products

SPECIFICATION

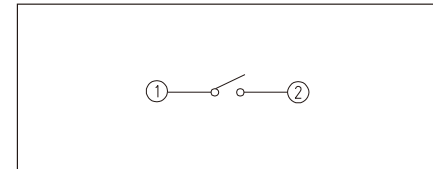
Contact Rating	10uA,2V DC to 20mA,15V DC
Contact Resistance	500mΩ max.
Insulation Resistance	50MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf
Travel	0.13mm
Operating Life	300,000 cycles
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

HOW TO ORDER

T 1 C ☐ Q R



CIRCUIT

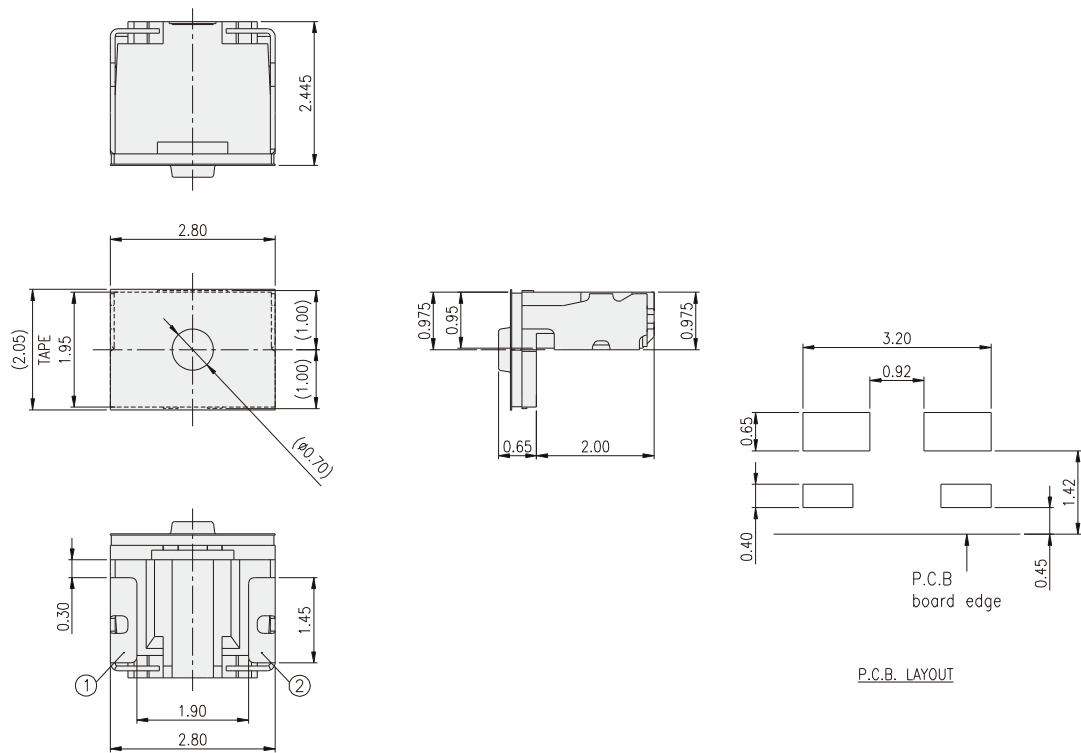


PACKAGE

<Tape & Reel>
5000 pcs

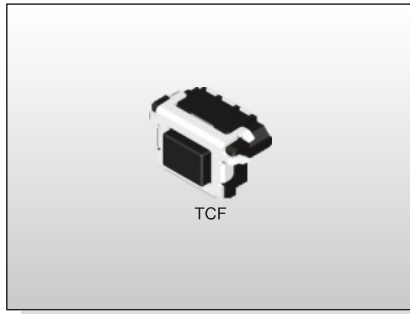
TACT SWITCH

T1C



TACT SWITCH TCF SERIES

2.9x4.5 Side Push Type Mid-mount Switch



FEATURES

- ※Miniature 2.9x4.5mm
- ※Side push mid-mount type
- ※200,000 operating life cycles

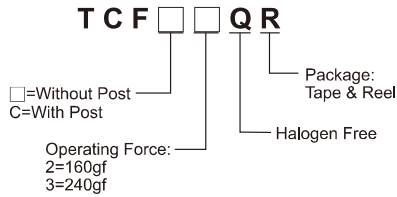
APPLICATION

- ※Smart phone
- ※Portable personal audio
- ※Digital camera

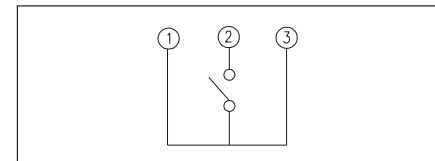
SPECIFICATION

Contact Rating	10μA, 2V DC to 20mA, 15V DC
Contact Resistance	1000mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf/240±70gf
Travel	0.15mm
Operating Life	200,000 cycles
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

HOW TO ORDER



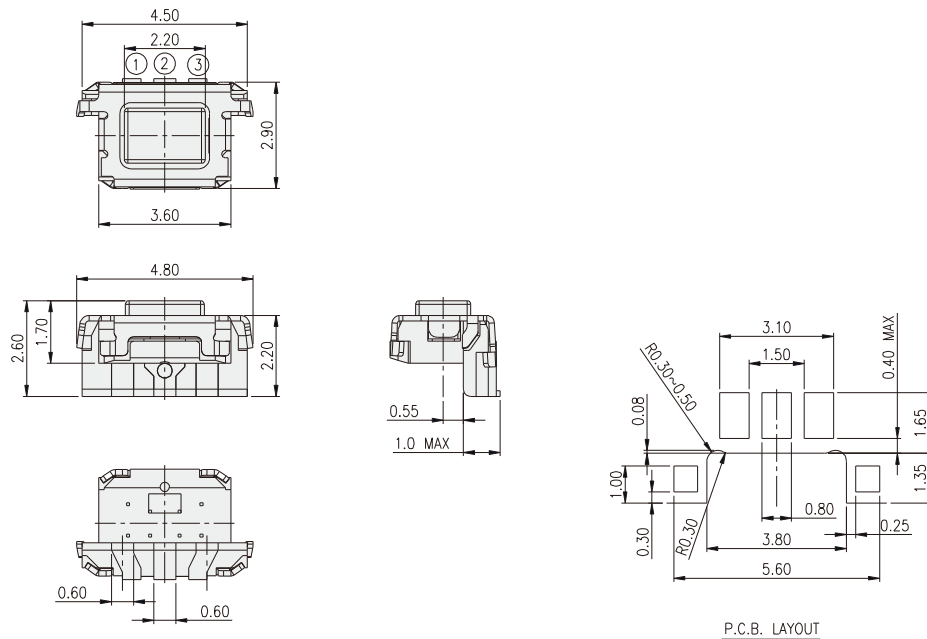
CIRCUIT

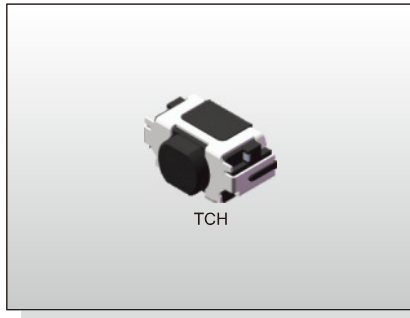


PACKAGE

<Tape & Reel>
2400 pcs

TCF





TCH

FEATURES

- ※Miniature 4.5*2.2mm
- ※Side push mid-mount type
- ※600,000 operation life cycles

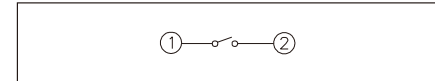
APPLICATION

- ※Smart phone
- ※Portable personal audio
- ※Digital camera
- ※3C products

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	500mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	100V AC/1 minute
Operating Force	160±50gf
Travel	0.15mm
Operating Life	600,000 cycles
Operating Temp.	-30°C ~ +85°C
Storage Temp.	-40°C ~ +90°C

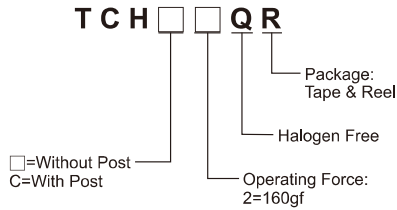
CIRCUIT



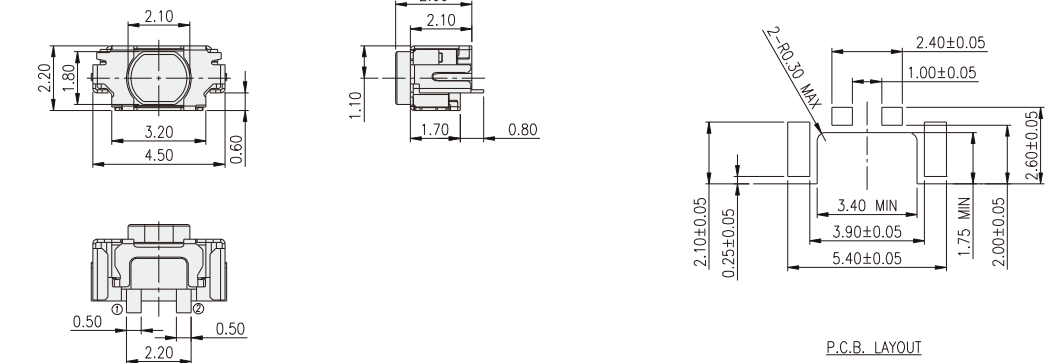
PACKAGE

<Tape & Reel>
3000 pcs

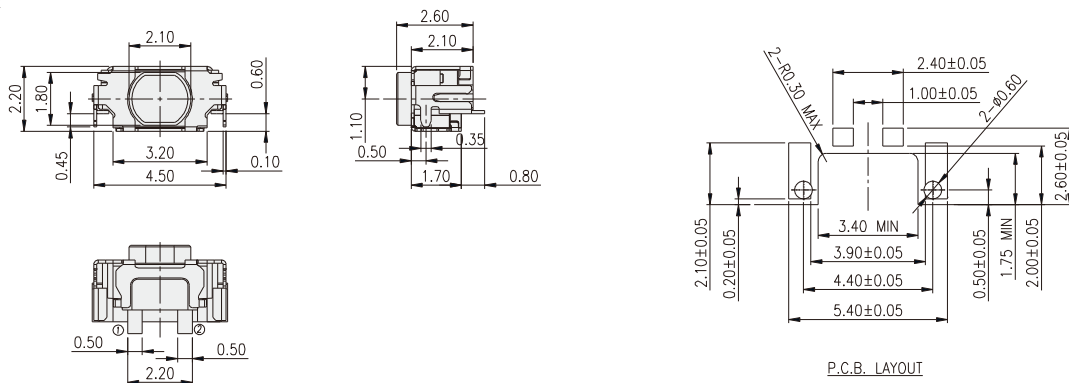
HOW TO ORDER



TCH

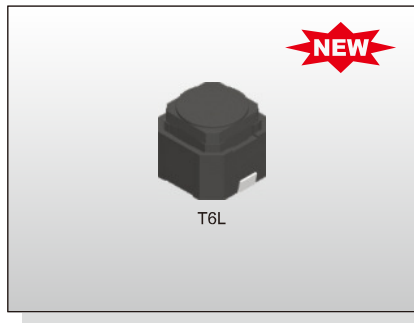


TCHC



TACT SWITCH T6L SERIES

Long Travel SMT Type Tactile Switch



FEATURES

- ※Miniature 5.9*6.0mm
- ※Long Travel type
- ※100,000 operation life cycles

APPLICATION

- ※Automotive
- ※Instrumentation
- ※Audio

SPECIFICATION

Contact Rating	10uA, 1V DC to 50mA, 16V DC
Contact Resistance	100mΩ max. 500V DC
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf/200±50gf 250±80gf/300±80gf
Travel	1.3mm
Operating Life	100,000 cycles (160gf/200gf/250gf/300gf)
Operating Temp.	-40°C ~ +90°C
Storage Temp.	-40°C ~ +90°C

HOW TO ORDER

T 6 L - ☐ K Q R

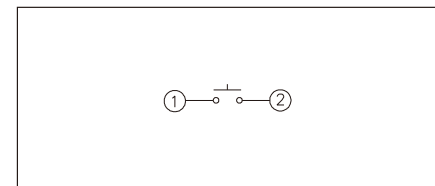
Operating Force:
2=160±50gf
3=200±50gf
4=250±80gf
5=300±80gf

Package:
Tape & Reel

Halogen Free

Button Color:
Black

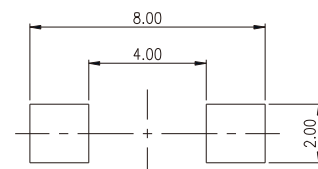
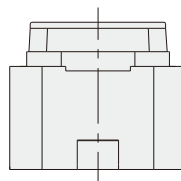
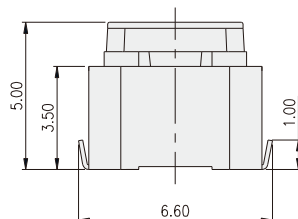
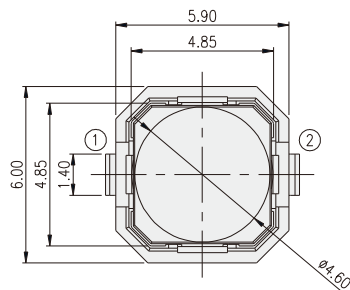
CIRCUIT



PACKAGE

<Tape & Reel>
1200 pcs

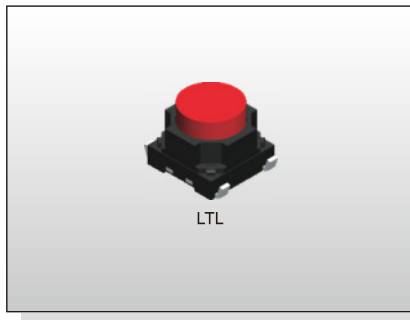
T6L



P.C.B. LAYOUT

TACT SWITCH LTL-6 SERIES

Long Travel SMT Type Tactile Switch



FEATURES

- ※Soft actuation feeling
- ※Long travel of 1.3mm
- ※Wide stem for easy operation

APPLICATION

- ※Automotive
- ※Instrumentation
- ※Audio

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max. 500V DC
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	300V AC/1 minute
Operating Force	200±50gf/350±100gf
Travel	1.3mm
Operating Life	30,000 cycles (350gf) 100,000 cycles (200gf)
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

HOW TO ORDER

L T L - 6 1 3 - ☐ - ☐ - ☐

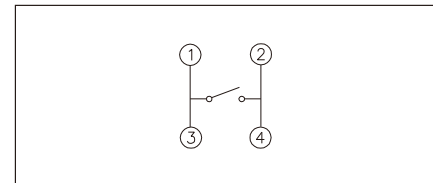
Package:
T/R=Tape & Reel

V=RoHS & Lead Free Solderable
Q=Halogen Free

Operating Force:
R=200gf
S=350gf

Travel:1.30mm

CIRCUIT

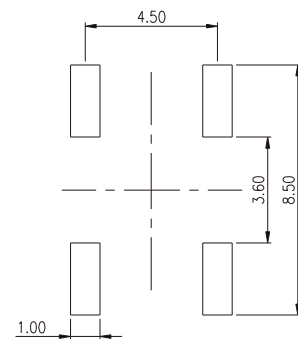
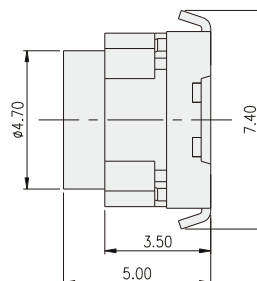
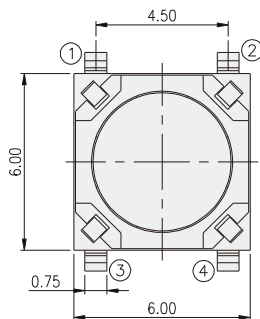


PACKAGE

<Tape & Reel>
900 pcs

TACT SWITCH

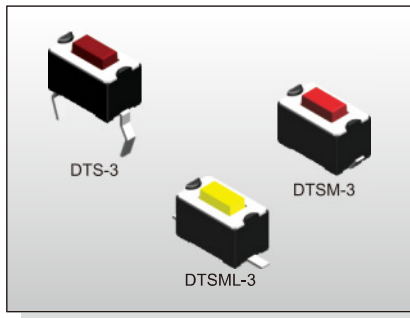
LTL-6



P.C.B. LAYOUT

TACT SWITCH DTS-3 SERIES

3.5x6 Through Hole & SMT Type Tactile Switch



FEATURES

- ※ Compact size 3.5x6 mm
- ※ Sharp click feeling
- ※ Choice of SMT terminal type

APPLICATION

- ※ Audio, OA equipment
- ※ Instrumentation
- ※ Industrial

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	125±50gf, Black(K) 160±50gf, Brown(N) 260±50gf, Red(R) 320±80gf, Salmon(S) 520±130gf, Yellow(Y)
Travel	0.25mm
Operating Life	30,000 cycles for 520/320/260gf 50,000 cycles for 160/125gf
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

HOW TO ORDER

D T S - 3

□: Through Hole
M: J Bend Outward
ML: S.M.T./Flat
MF: S.M.T./Gull-wing

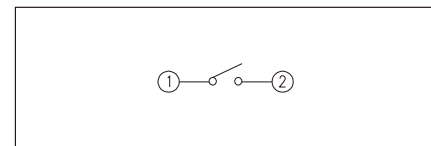
Dimension H:
1=4.30mm
2=5.00mm

Package:
□=Bag (Through Hole Only)
B=Tube Package (Except DTSMF-3)
T/R=Tape & Reel

V=RoHS & Lead Free Solderable
Q=Halogen Free

Operating Force:
K=Black, 125gf
N=Brown, 160gf
R=Red, 260gf
S=Salmon, 320gf
Y=Yellow, 520gf >Not Available For Halogen Free

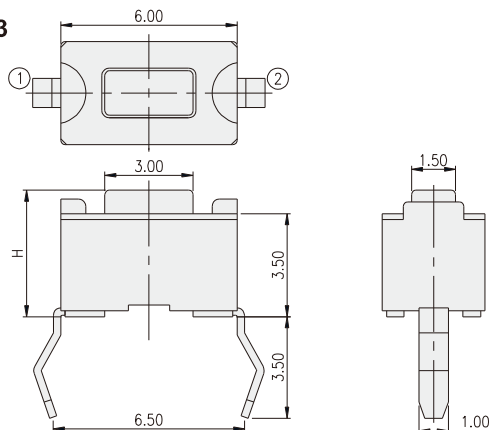
CIRCUIT



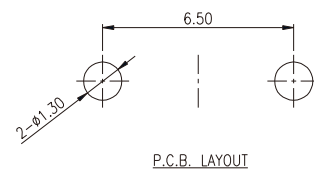
PACKAGE

<Tube>
DTS(M)(L)-3: 135 pcs
<Bulk>
1000 pcs
<Tape & Reel>
DTSM(L)(F)-31: 1800 pcs
DTSM(L)(F)-32: 1600 pcs

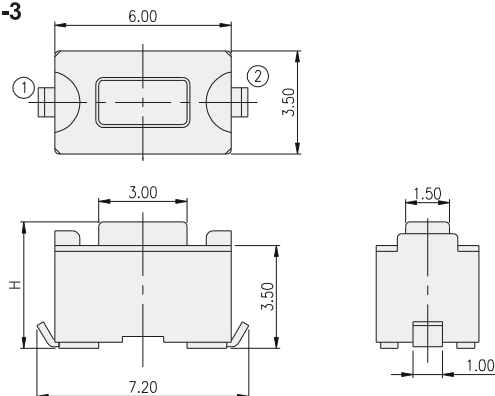
DTS-3



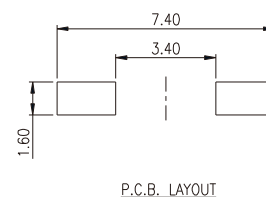
PART NO.	H
DTS-31	4.30
DTS-32	5.00



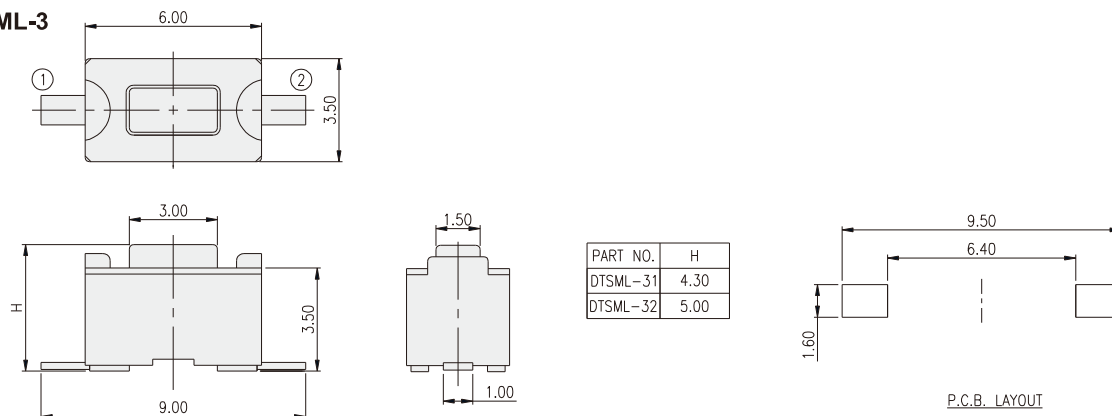
DTSM-3



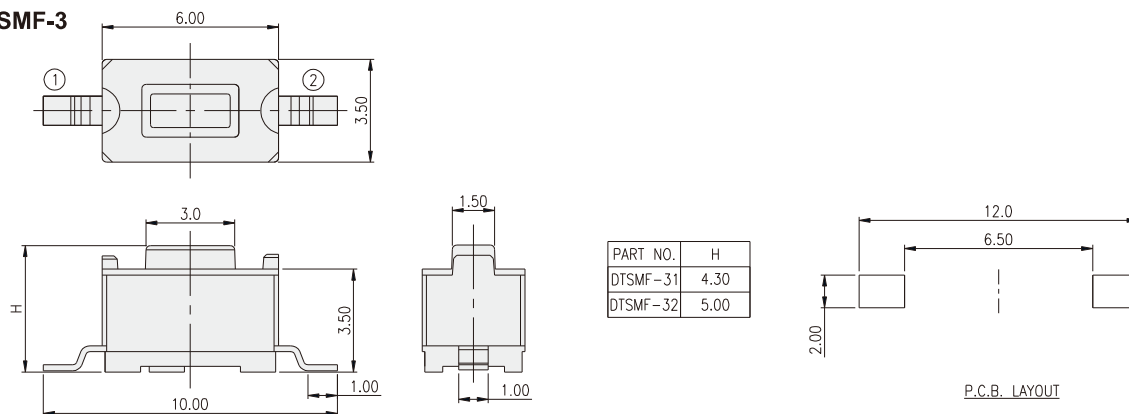
PART NO.	H
DTSM-31	4.30
DTSM-32	5.00

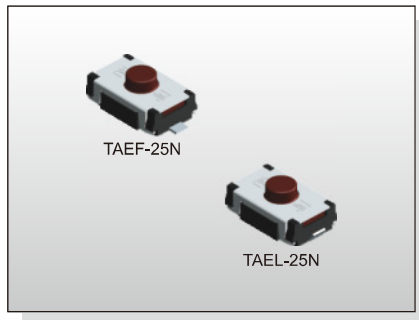


DTSML-3



DTSMF-3





FEATURES

- ※3.8x6mm of thinner type 2.5mm height
- ※Soft actuator with long travel
- ※Choice of actuation force

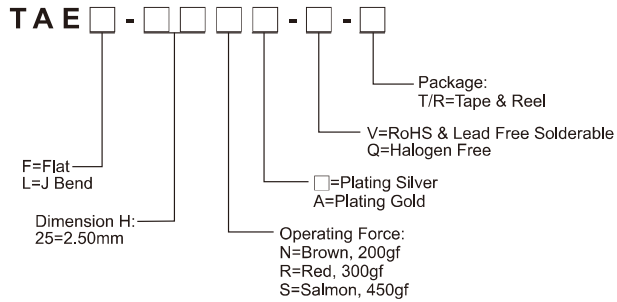
APPLICATION

- ※Car remote control
- ※Audio, OA equipment
- ※Instrumentation

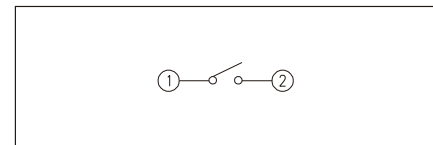
SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	300V AC/1 minute
Operating Force	200gf, Brown(N) 300gf, Red(R) 450gf, Salmon(S)
Travel	0.30mm, Brown(N) 0.35mm, Red(R) 0.45mm, Salmon(S)
Operating Life	100,000 cycles (S) 200,000 cycles (N/R)
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

HOW TO ORDER



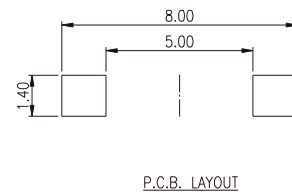
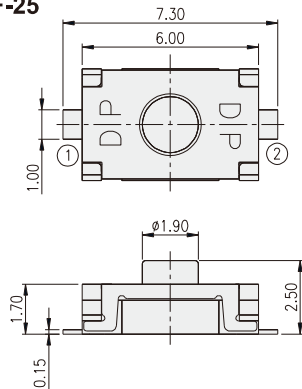
CIRCUIT



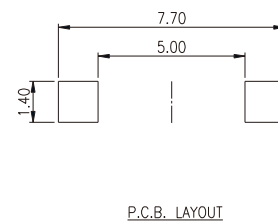
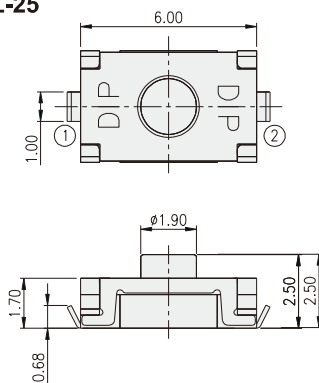
PACKAGE

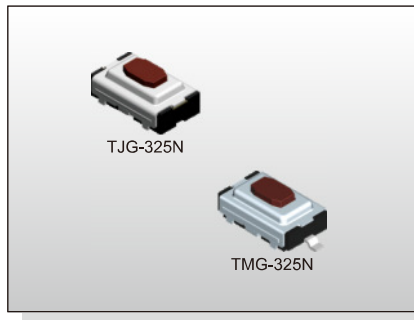
<Tape & Reel>
2700 pcs

TAEF-25



TAEI-25



**FEATURES**

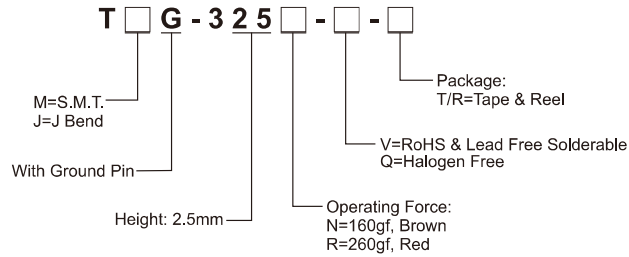
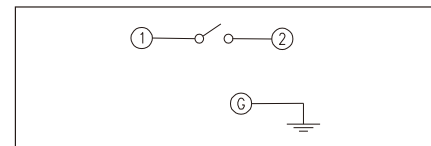
- ※Thinner type 2.5mm height
- ※High density mounting
- ※With anti-ESD of ground terminal

APPLICATION

- ※Consumer products
- ※Instrumentation
- ※Industrial

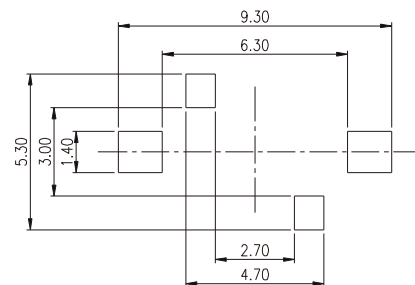
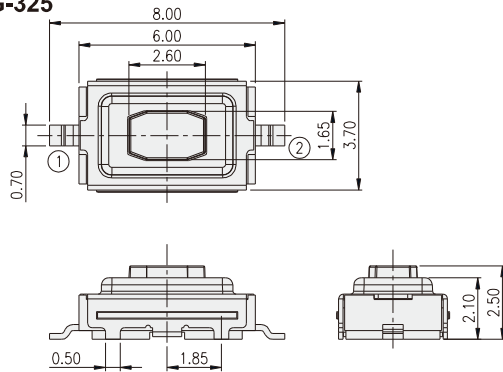
SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	300V AC/1 minute
Operating Force	160±50gf, Brown(N) 260±50gf, Red(R)
Travel	0.25mm
Operating Life	20,000 cycles for 260gf 50,000 cycles for 160gf
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

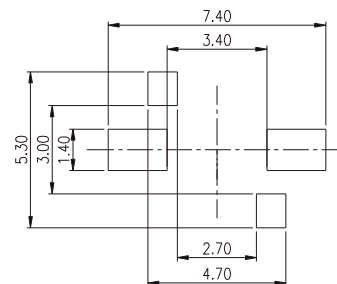
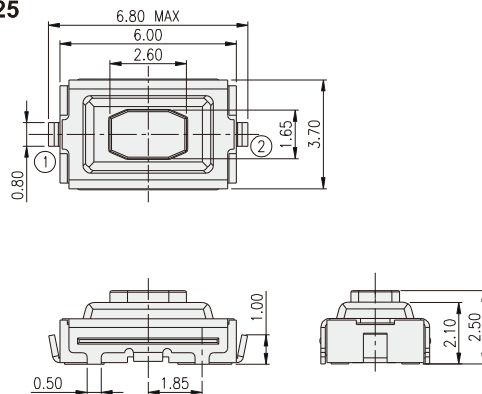
HOW TO ORDER**CIRCUIT****PACKAGE**

<Tape & Reel>
2800 pcs

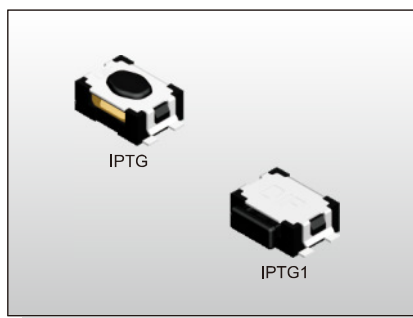
TACT SWITCH

TMG-325

P.C.B. LAYOUT

TJG-325

P.C.B. LAYOUT



FEATURES

- ※ Compact-sized 2.8x3.8mm
- ※ Vertical or side actuation
- ※ Wide stem

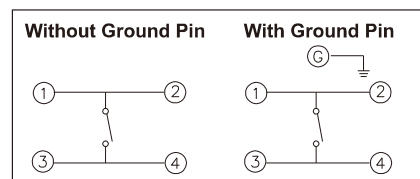
APPLICATION

- ※Automotive
- ※Portable electronic device
- ※Control panel

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	100V AC/1 minute
Operating Force	100±50gf, 160±50gf (Vertical Push) 200±65gf (Side Push) 300±80gf, 400±80gf (Vertical Push)
Travel	0.13mm (Vertical Push) 0.20mm (Side Push)
Operating Life	50,000 cycles for 300/400gf 100,000 cycles for 100/160/200gf
Operating Temp.	-20°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

CIRCUIT

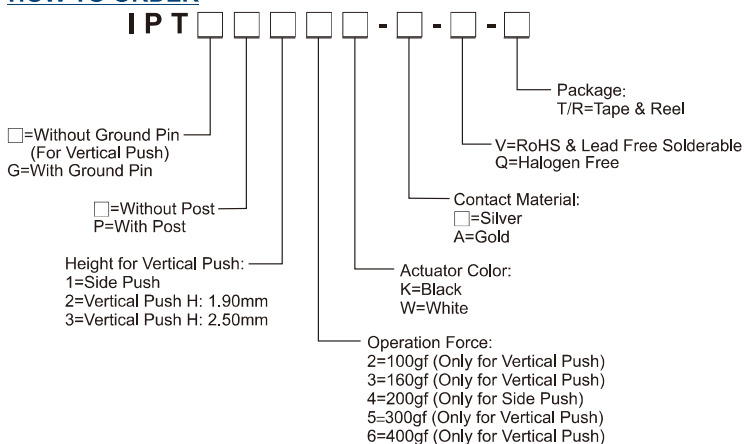


PACKAGE

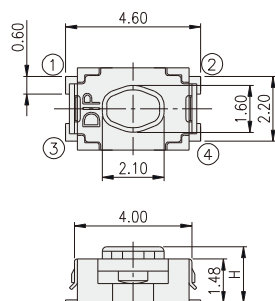
<Tape & Reel>

Tape & Reel:
IPTGP1: 3000 pcs
IPTG1: 3500 pcs
IPTG2: 7000 pcs
IPTG3: 6000 pcs

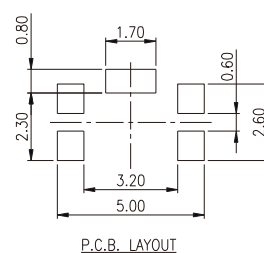
HOW TO ORDER



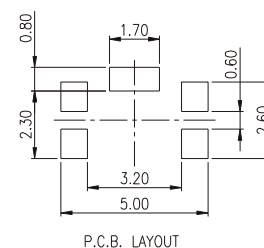
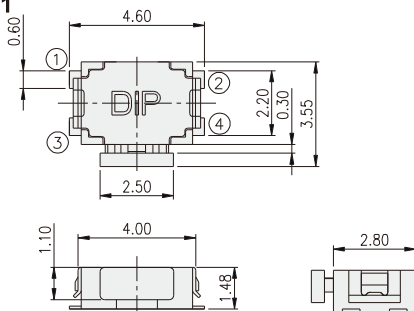
IPTG

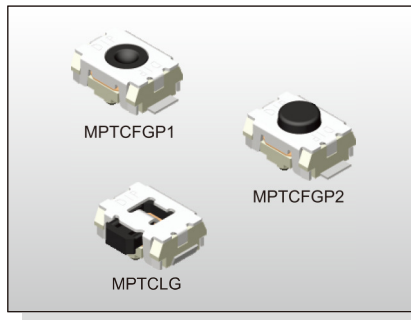


PART NO.	H
IPTG2	1.90
IPTG3	2.50



IPTG1





FEATURES

- ※ Compact-sized 2.9x3.9mm
- ※ Vertical or side actuation
- ※ Reflow solderable

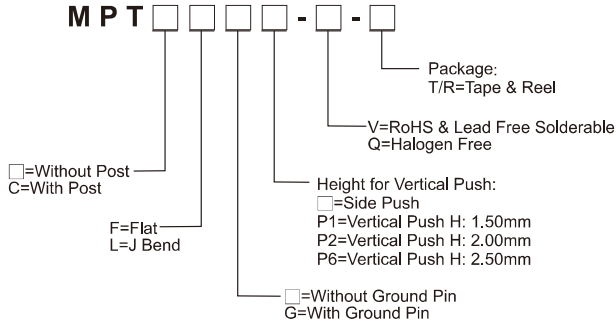
APPLICATION

- ※ Automotive
- ※ Portable electronic device
- ※ Control panel

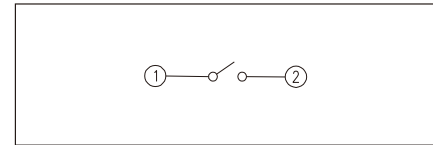
SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	100V AC/1 minute
Operating Force	160±50gf (Vertical Push) 220±65gf (Side Push)
Travel	0.13mm (Vertical Push) 0.20mm (Side Push)
Operating Life	100,000 cycles
Operating Temp.	-20°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

HOW TO ORDER



CIRCUIT



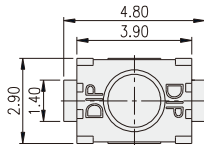
PACKAGE

<Tape & Reel>

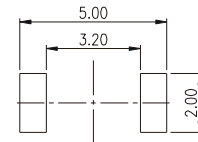
Side push: 3500 pcs
Vertical push: 2000 pcs

TACT SWITCH

MPTFP []

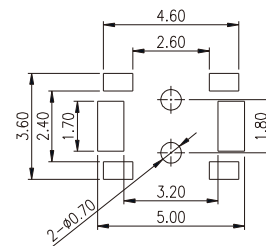
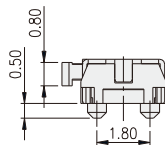
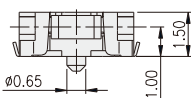
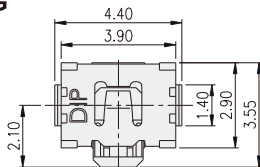


PART NO.	H
MPTFP1	1.50
MPTFP2	2.00
MPTFP6	2.50

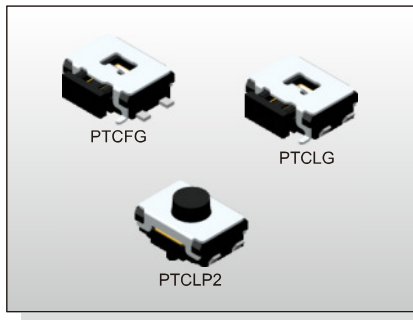


P.C.B. LAYOUT

MPTCLG



P.C.B. LAYOUT



FEATURES

- ※For high density mounting
- ※Vertical or side actuation
- ※Reflow solderable

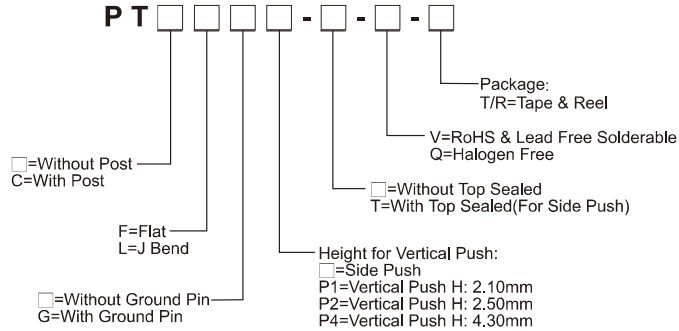
APPLICATION

- ※Automotive
- ※Portable electronic device
- ※Control panel

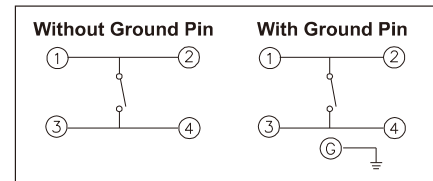
SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf (Vertical Push) 220±80/-70gf (Side Push)
Travel	0.20mm (Vertical Push) 0.30mm (Side Push)
Operating Life	100,000 cycles
Operating Temp.	-25°C ~ +70°C
Storage Temp.	-30°C ~ +80°C

HOW TO ORDER



CIRCUIT



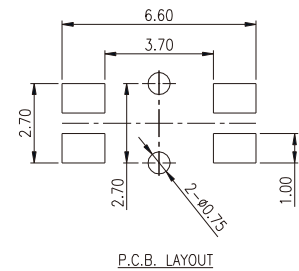
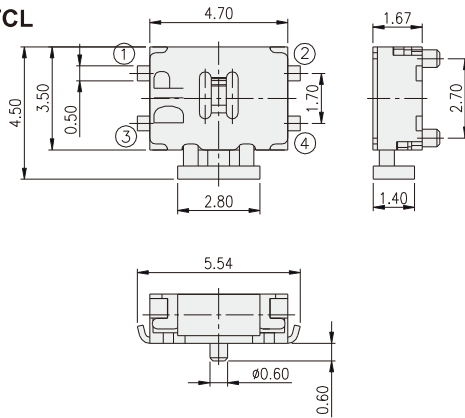
PACKAGE

<Tape & Reel>

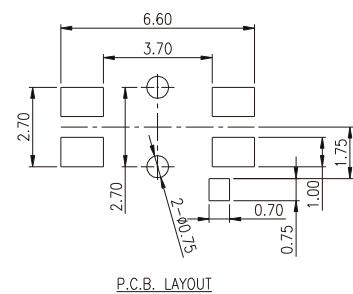
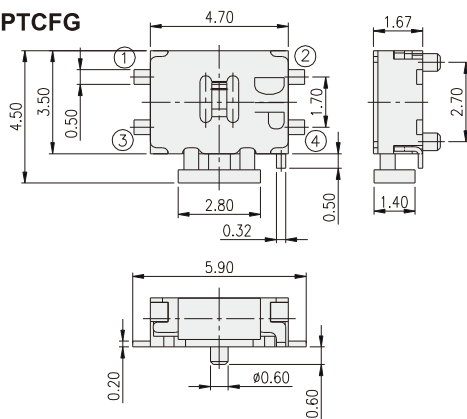
Side push: 3000 pcs

Vertical push: 2400 pcs

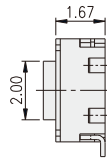
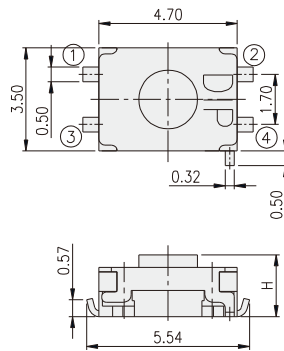
PTCL



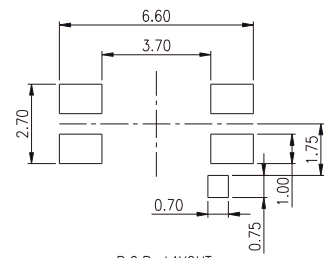
PTCFG



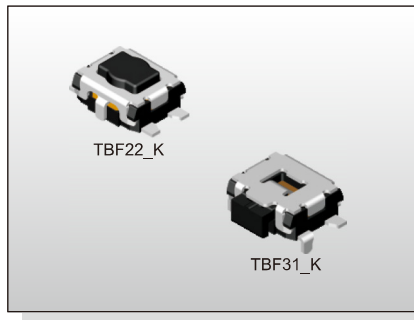
PTLGP□



PART NO.	H
PTLGP1	2.10
PTLGP2	2.50
PTLGP4	4.30



P.C.B. LAYOUT



FEATURES

- ※Miniature 2.9x3.5mm
- ※Vertical or side actuation
- ※Long operating life

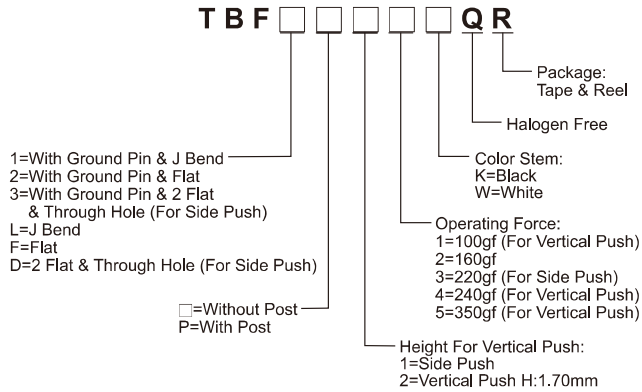
APPLICATION

- ※Mobile phone
- ※Consumer electronics
- ※Automotive

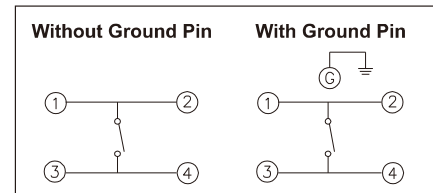
SPECIFICATION

Contact Rating	10μA, 2V DC to 20mA, 15V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	100±50/160±50/240±80/350±100gf (Vertical Push) 160+70/-40, 220+80/-70gf (Side Push)
Travel	0.15mm (Vertical Push) 0.20mm (Side Push)
Operating Life	100,000 cycles for Side Push 200,000 cycles for 160/240/350gf (Vertical Push) 1,000,000 cycles for 100gf (Vertical Push)
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

HOW TO ORDER



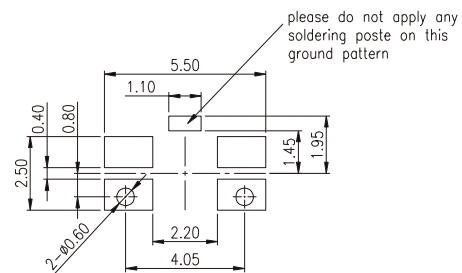
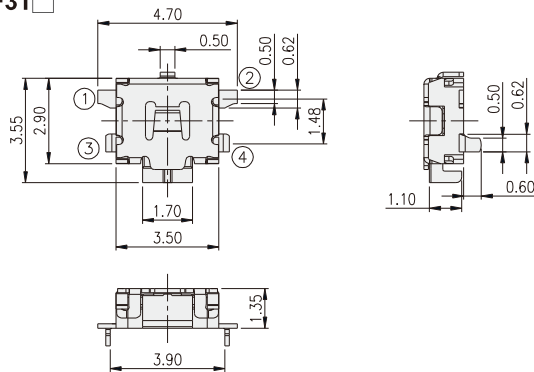
CIRCUIT



PACKAGE

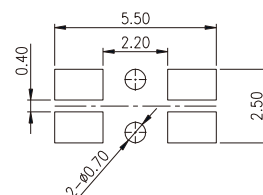
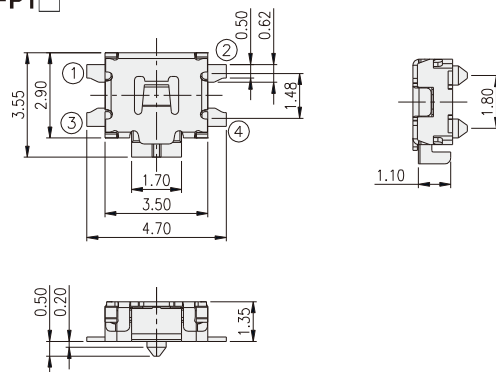
<Tape & Reel>
3000 pcs

TBF31 ☐



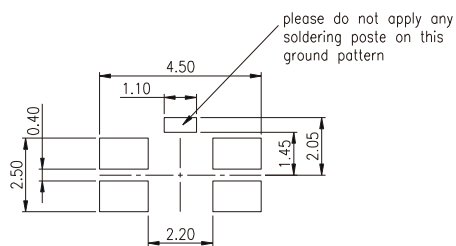
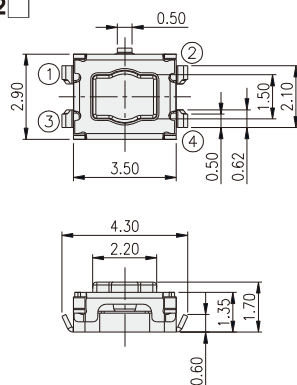
P.C.B. LAYOUT

TBFFP1 ☐



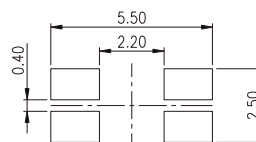
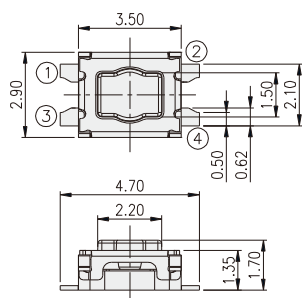
P.C.B. LAYOUT

TBF12 □

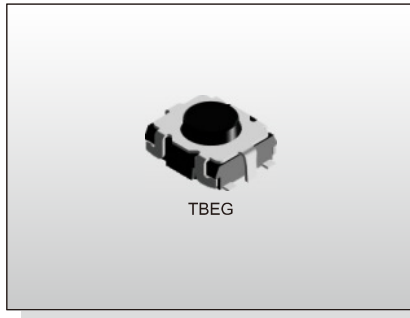


P.C.B. LAYOUT

TBFF2 □



P.C.B. LAYOUT



TBEG

FEATURES

- ※Electrical life: 200,000 cycles
- ※Sharp click feeling
- ※2.7x3.0mm miniature tact switch

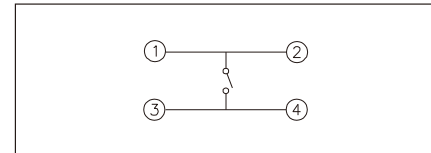
APPLICATION

- ※Automotive
- ※Video game device

SPECIFICATION

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 500V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf/200±50gf/400±80gf
Travel	0.12mm
Operating Life	200,000 cycles
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +90°C

CIRCUIT



PACKAGE

<Tape & Reel>
8000 pcs

HOW TO ORDER

T B E - ☐ - ☐ - ☐ - ☐

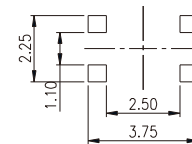
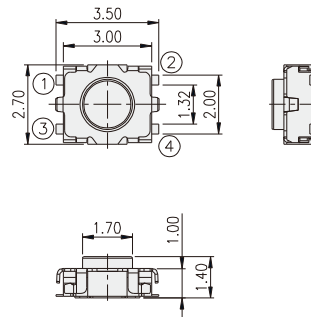
G=With Ground Pin
☐=Without Ground Pin

Package:
T/R=Tape & Reel

Halogen Free

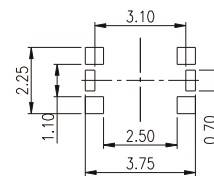
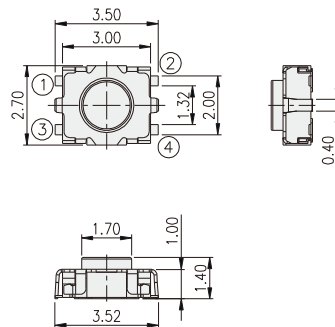
Operating Force:
N=Brown, 160gf
W=White, 200gf
☐=Black, 400gf

TBE



P.C.B. LAYOUT

TBEG



P.C.B. LAYOUT