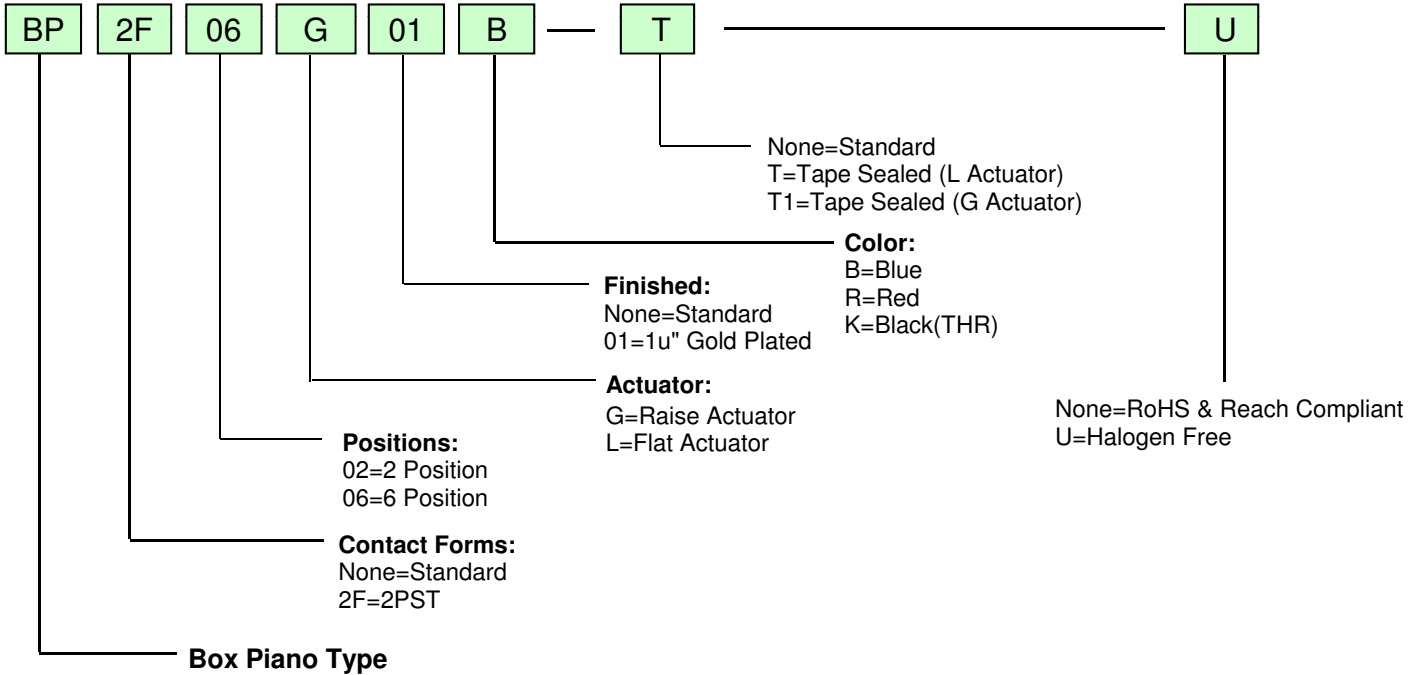


MODEL	SPECIFICATION DIP SWITCH RoHS&REACH Compliant / Halogen Free	SP-001	Page
BP series Box Piano Type			1/3

Order Information



Specifications

◆ Contact Rating	Switching.....	25mA,24VDC
	Non-Switching.....	100mA,50VDC
◆ Contact Resistance	Initial.....	50mΩ/Max
	After Reliability Test.....	100mΩ/Max
◆ Insulation Resistance	.....	100MΩ/Min. at 500 VDC
◆ Dielectric Strength	.....	500VDC/ 1 mintue
◆ Operating Force	.....	1,000g/max
◆ Mechanical Life	.....	5,000 cycles (Min.)
◆ Electrical Life	.....	2,000 cycles /25mA,24VDC
◆ Operating Temperature	THR.....	-40°C ~ +105°C
	THT.....	-40°C ~ +85°C
◆ Storage Temperature	.....	-40°C ~ +85°C

Materials

◆ Cover	RoHS&REACH Compliant.. Thermoplastic UL 94 rate, Red/ Blue/ Black(THR) Halogen Free..... Thermoplastic UL 94 rate, Red/ Blue/ Black(THR)
◆ Base	RoHS&REACH Compliant.. Thermoplastic UL 94 rate, Black Halogen Free..... Thermoplastic UL 94 rate, Black
◆ Actuator	..... Thermoplastic UL 94 rate, White
◆ Contact	..... Gold-Plated
◆ Terminal	Standard..... Tin-Plated 01 type..... Gold-Plated
◆ Tape	..... Polyimide Film

MODEL	SPECIFICATION DIP SWITCH RoHS&REACH Compliant / Halogen Free	SP-002	Page
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Soldering Information

◆ Hand Soldering

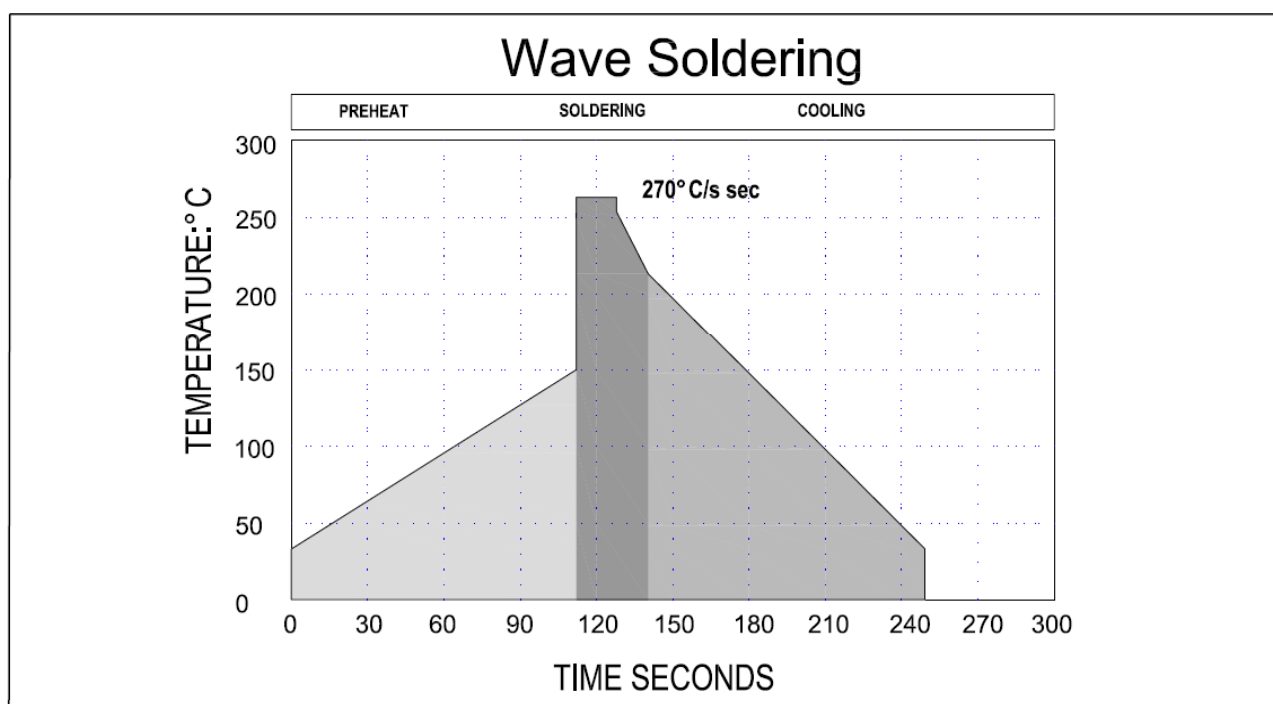
Soldering iron 30W or under at 350°C for 3 sec. max. or at 270°C for 5 sec. max.

◆ Wave Soldering

(1) For lead free wave solder simulation of typical components, the solder bath temperature shall be maintained to 270°C / 5~10 seconds.

(2) **THR: 280°C/10seconds**

Classification Wave Soldering



Maximum dwell time in the solder wave (270°C) shall not exceed 5 seconds.

Switch Operation and Taping

- (1) Use tweezers for operation.
 - (2) Flux cleaning should be done without removing the Tape.
 - (3) If the tape is removed, it adheres less than before when it is placed back on, possibly causing flux inflow.
 - (4) Do Not Remove Tape sealed before Reflow processing.
 - (5) Ultrasonic cleaning not recommended without Tape sealed.
- ※ **Keep all actuators in “OFF” position during soldering and cleaning process.**
- ※ **Any flux enters the switch may influence contact function.**

MODEL BP series Box Piano Type	SPECIFICATION DIP SWITCH RoHS&REACH Compliant / Halogen Free	Page
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BP

G Type **L Type**

No. Pos.	Dim. "A"
1	3.54
2	6.08
3	8.62
4	11.16
5	13.70
6	16.24
7	18.78
8	21.32
9	23.86
10	26.40
12	31.48

BP2F

No. Pos.	Dim. "A"
1	6.08
2	11.16
3	16.24
4	21.32
5	26.40
6	31.48

Tube Package

◆ **BP**

POLE	1	2	3	4	5	6	7	8	9	10	12
TUBE	148	85	61	47	38	32	28	24	22	20	16
BOX	7252	4165	2989	2303	1862	1568	1372	1176	1078	980	784
CTN 1	14504	8330	5978	4606	3724	3136	2744	2352	2156	1960	1568
CTN 2	29008	16660	11956	9212	7448	6272	5488	4704	4312	3920	3136

◆ **BP2F**

POLE	1	2	3	4	5	6
TUBE	85	47	32	24	20	16
BOX	4165	2303	1568	1176	980	784
CTN 1	8330	4606	3136	2352	1960	1568
CTN 2	16660	9212	6272	4704	3920	3136

Box Dimension

- ◆ Tube 57.0cm x 13.0cm x 12.5cm
- ◆ Tape & Reel 34.5cm x 34.5cm x 15.0cm

Carton Dimension

- ◆ Tube 2 Bo 58.5cm x 29.0cm x 15.0cm
- 4 Bo 58.5cm x 28.0cm x 27.0cm

