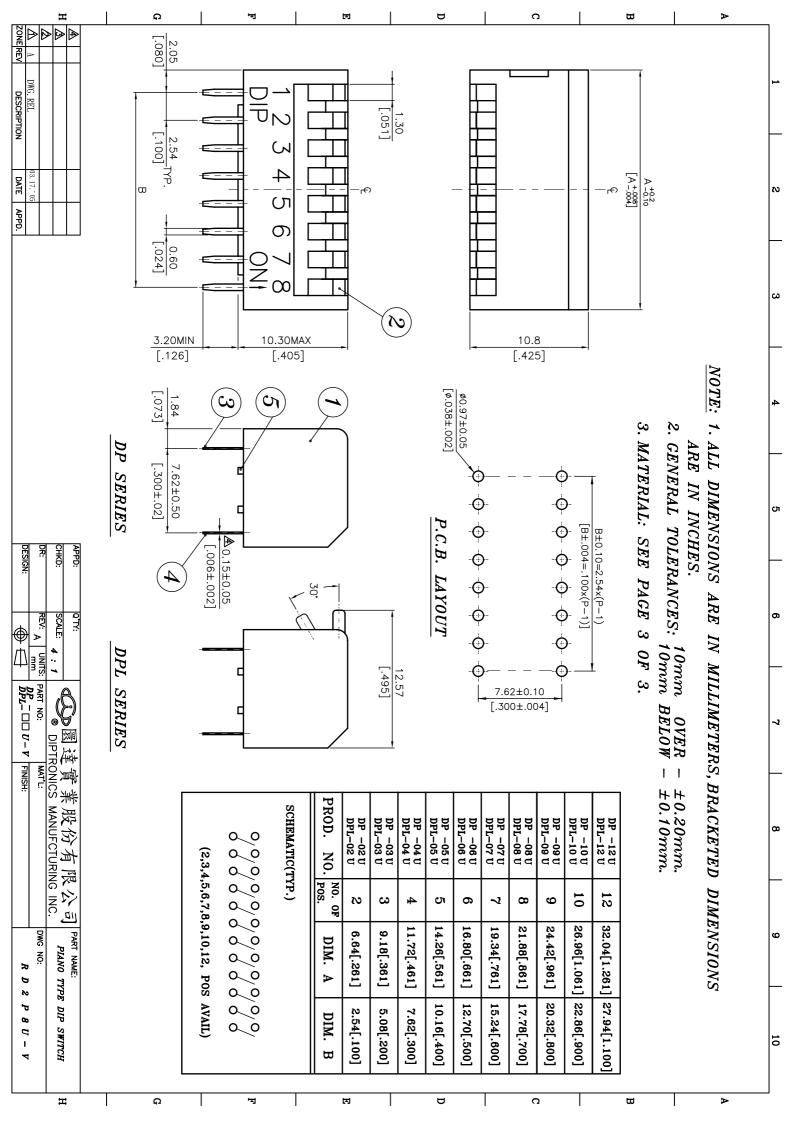
1. COVER 1 THERMOPLASTIC PBT UL 94V-0 (OR BLUE, BLACK) - 2. ACTUATOR - PBT UL 94V-0 (OR BLUE, BLACK) - 3. CONTACT - Be-BRONZE GOLD PLATED - 4. TERMINAL - PHOSPHOR BRONZE GOLD PLATED - 5. BASE 1 THERMOPLASTIC PBT UL 94V-0 MOLDED BLACK - 6. TAPE 1 BLENDED SILICONE AND RUBBER O Prod. No. : DP	ITEM	DESC.	Q'TY	MATERIALS	TREATMENT	REMARK
2. ACTUATOR - PBT UL 94V-0 MOLDED WHITE - 3. CONTACT - Be-BRONZE GOLD PLATED - 4. TERMINAL - PHOSPHOR BRONZE GOLD PLATED - 5. BASE 1 THERMOPLASTIC PBT UL 94V-0 MOLDED BLACK - 6. TAPE 1 BLENDED SILICONE AND RUBBER ACTUATOR - PHOSPHOR BRONZE GOLD PLATED - BLENDED SILICONE AND RUBBER ACTUATOR - PHOSPHOR BRONZE GOLD PLATED BASE 1 THERMOPLASTIC MOLDED BLACK - BASE 2 PAV-0 MOLDED BLACK - BASE 1 THERMOPLASTIC MOLDED BLACK - BASE 2 PAV-0 MOLDED BLACK - BASE 2 PAV-0 MOLDED BLACK - BASE 2 PAV-0 MOLDED BLACK - BASE 1 THERMOPLASTIC MOLDED BLACK - BASE 2 PAV-0 MOLDED BLACK - BASE 3 PAV-0 MOLDED BL	1.	COVER	1			-
4. TERMINAL - PHOSPHOR BRONZE GOLD PLATED - 5. BASE 1 PBT UL 94V-0 6. TAPE 1 BLENDED SILICONE AND RUBBER Actuator Type:	2.	ACTUATOR	-		MOLDED WHITE	-
4. TERMINAL - BRONZE GOLD PLATED - 5. BASE	3.	CONTACT	-	Be-BRONZE	GOLD PLATED	-
Description Description	4.	TERMINAL	-		GOLD PLATED	-
Description Description	5.	BASE	1	PBT UL 94V-0	MOLDED BLACK	-
	6.	TAPE	1		-	-
	A C C B	ctuator Type: — = Short Key. = Long Key. umber Of Postion = 2 Position = 3 Position = 4 Position = 5 Position = 5 Position = 6 Position = 7 Position = 8 Position = 9 Position = 10 Position = 12 Position = 13 Position = 14 Position = 15 Position = 16 Position = 17 Position = 18 Position = 18 Position = 19 Position = 19 Position = 10 Po	sition: DP L DF DF on . on .	TITLE: PIANO TYPE DIP	Package = Tu Soldering: V=Lead Free Seal: = Regula T= Top Tape U = Push D Color Of Cov = Red B= Blue K= Black APPD.: CHKD.:	be r Sealed Jown "ON" own "OFF"
REV. ECO. NO. APPD.		CO. NO. APPD.				SHEET : 1 of 1



DP(L) SPECIFICATION

FILE No. : E-B-AD03 REV. : D Page : 1 / 3

1.Style:

This specification describes "DUAL IN-LINE PACKAGE SWITCHES" mainly used as signal switch of electric devices with the general requirements of mechanical and electrical characteristics.

1.1 Operating Temperature Range : -20° C $\sim +70^{\circ}$ C 1.2 Storage Temperature Range : -40° C $\sim +85^{\circ}$ C

2. Current Range:

2.1 Non-Switching: 100mA, 50V DC2.2 Switching: 25mA, 24V DC3. Type of Actuation: Actuated by sliding

4. Test Sequence :

	ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS
NCE	1	Visual Examination	By visual examination check without any out pressure & testing.	There shall be no defects that affect the serviceability of the product.
: PERFORMANCE	2	Contact Resistance	 ① To be measured between the two terminals associated with each switch pole. ② Measurements shall be made with a 1kHz shall current contact resistance meter. 	50mΩ max. (initial)
ELECTRIC	3	Insulation Resistance	500V DC, 1 minute ± 5 sec.	100MΩ min.
ELE(4	Dielectric withstand- ing Voltage	500V AC (50Hz or 60 Hz) shall be applied between all the adjacent terminals and between the terminal and the frame for 1 minute.	There shall be no breakdown or flashover
	5	Capacitance	1 MHz ± 10 kHz	5 pF max.
MECHANICAL PERFORMANCE	6	Operation Force	Applied in the direction of operation. ON→OFF OFF→ON 400gf ma (3.92N ma	

DP(L) SPECIFICATION

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	7	Stop Strength	A static load of 1 kgf i operating direction ar operated for a period	There shall be no sign of damage mechanically	
			1.Soldering Temperature :		
			TEMP TIME		
		Soldering	260 °C ±5 °C	5±1 sec.	
	8	Heat Resistance	2.Duration of Solder Immersion: 5±1 sec.		As shown in item 2~6
MANCE			3.Frequency of Solde2 times max.(PCB is 1.6mm in the		
MECHANICAL PERFORMANCE	9	Vibration	Shall be vibrated in accordance with Method 201A of MIL-STD-202F ①Frequency: 10-55-10 Hz 1 min/cycle. ②Direction: 3 vertical directions including the direction of operation. ③Test Time: 2 hours each direction.		As shown in item 2~6
MECHAN	10	Shock	Shall be shocked in accordance with Method 213B condition A of MIL-STD-202F ①Acceleration: 50G. ②Action Time: 11 ± 1 m sec. ③Testing Direction: 6 sides. ④Test cycle: 3 times in each direction		As shown in item 2~6
	11	Solderabilit y	 ①Soldering Temperature:230±5°C ②Flux: 5-10 seconds. ③Duration of solder Immersion: 3±0.5 sec. 		No anti-soldering and the coverage of dipping into solder must more than 75% was requested.
①25 mA, 24V DC resistive load ②Rate of Operation: 15~20 cycles/ minute ②Contact Re 100mΩ ma			①As shown in item 3,4 ②Contact Resistance: 100mΩ max. (final-after test)		

DP(L) SPECIFICATION

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WEATHER-PROOF	13	Resistance Low Temperature	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made : ①Temperature : -40°C±3°C ②Time: 96 hours	As shown in item 2~6
	14	Resistance High Temperature	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made : ①Temperature: 85°C±2°C ②Time: 96 hours	1.As shown in item 3~6 2.Contact Resistance: 100mΩ max.
	15	Humidity Resistance	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made : ①Temperature: 40°C±2°C ②Relative Humidity:90~95% ③Time: 96 hours	 1 As shown in item 4,6 2 Contact Resistance: 100mΩ max. 3 Insulation Resistance: : 10MΩ min.

5. SOLDERING CONDITIONS:

■ Manual Soldering

Soldering Temperature	Max.350°C	
Continuous Soldering Time	Max. 3 seconds	

■ Precautions in Handling

- 1. Care should be exercised so that flux from the upper part of the printed circuit board does not adhere to the switch.
- 2. Don't clean the switch body except with top tape sealed type, which can only spray of cleaning method from top of s/w.
- 3. Please make sure that there is no flux rose over the surface of the PCB