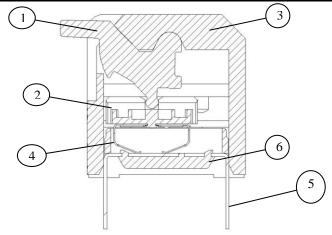


ITEM	DESC.	Q'TY	MATERIALS	TREATMENT	REMARK
1.	LEVER	1	THERMOPLASTIC PBT UL 94V-0	WHITE	
2.	SLIDER	1	THERMOPLASTIC PBT UL 94V-0	WHITH	
3.	COVER	1	THERMOPLASTIC PBT UL 94V-0	RED	
4.	CONTACT	1	COPPER ALLOY	GOLD PLATED	
5.	TERMINAL	1	BRASS	GOLD PLATED	
6	BASE	1	THERMOPLASTIC PA66 UL 94V-0	BLACK	



REMARK: PROD. NO.: NDP □ 1 **Actuator Type:** ☐ = Short Key Lead Free Solderable = Long Key Seal: ☐ = Regular Number Of Position: 02 = 2 Position. T = Top Tape Sealed 03 = 3 Position. 04 =4 Position. Color of Cover: $\square = \text{Red}$ 05 =5 Position. 06 = Position. B = Blue6 K = Black 07 =Position. 7 8 = 80Position. 09 =Position. 10 = 10 Position . 12 = 12 Position. APPD.: TITLE : SLIDE TYPE DIP SWITCHES CHKD.: PR. : Michelle Α1 DWG.REL PRROD. NO:NDP(L)-000V

FILE

NO: E-V-CD21

REV: A1 SHEET: 1of1

REV.

ECO. NO. APPD.



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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 : -40°C ~ +85°C

1.2 Storage Temperature Range : -40° C ~ $+85^{\circ}$ C

1.3 The shelf life of product is within 6 months.

2. Current Range:

2.1 Non-Switching : 100mA, 50V DC2.2 Switching : 25mA , 24V DC

3. Type of Actuation: Actuated by sliding

4. Test Sequence :

	4. Test dequence					
	ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS		
ANCE	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.		
	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 Max (3.92N Max)		



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	7	Stop Strength	A static load of 1 kgf(sthe operating direction direction operated for seconds.	There shall be no sign of damage mechanically	
	8	Soldering	Soldering Temperatur	As shown in item 2~6	
		Heat Resistance	TEMP TIME		
Щ			260 °C ±5 °C	5±1 sec.	
MECHANICAL PERFORMANCE	9	Vibration	Shall be vibrated in ac Method 201A of MIL-3 ①Frequency: 10-55-1 ②Direction: 3 vertical the direction of oper ③Test Time: 2 hours	As shown in item 2~6	
	10	Shock	Shall be shocked in a Method 213B condition MIL-STD-202F ① Acceleration: 50G. ② Action Time: 11 ± 1 r (Testing Direction: 6 side (Test cycle: 3 times in each direction)	As shown in item 2~6	
	11	Solderability	1.NDP(L)-VSoldering Ten Lead-Free solder: M70 (Tin 96.5%, Silver 3% 2.Flux: 5-10 seconds. 3.Duration of solder Imme 5±1 sec.	No anti-soldering and the coverage of dipping into solder must more than 75% was requested.	
DURABILITY	12	Operation Life	Measurements shall be test set forth below: 1. 25 mA, 24V DC resis 2. Rate of Operation: 18 3. Cycle of Operation: 2	1.As shown in item 3,4 2.Contact Resistance: 100mΩ Max. (final-after test)	



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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.
WE	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.

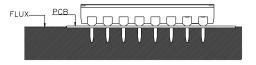
5. SOLDERING CONDITIONS:

■ Manual Soldering

Soldering Temperature	Max.350°C	
Continuous Soldering Time	Max. 5 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





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■ Notes on storage conditions:

Do not store in the following environment or it may affect product's function and solderbility:

- 1. temperature within -40~+85°C & humidity over 85%
- 2. environment with corrosive gas
- 3. storage over 6 months
- 4. under direct sunlight

Store with proper packaging conditions and to avoid loading heavy force

We suggest to use the products within 3 months or at least 6 months.

After opening the package, the rest products must be stored in the appropriate moisture-proof & airtight environment