

| ITEM |  | SC． | Q＇TY | MATERIALS | TREATMENT |  |  | REMARK |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1. |  | VER | 1 | $$ | WHITE |  |  |  |
| 2. |  | IDER | 1 | THERMOPLASTIC PBT UL 94V－0 | WHITH |  |  |  |
| 3. |  | VER | 1 | THERMOPLASTIC PBT UL 94V－0 | RED／BLUE／BLACK |  |  |  |
| 4. | CON | NTACT | 1 | COPPER ALLOY | GOLD PLATED |  |  |  |
| 5. | TER | MINAL | 1 | BRASS | GOLD PLATED |  |  |  |
| 6 |  | ASE | 1 | $\begin{gathered} \hline \text { THERMOPLASTIC } \\ \text { PA66 UL 94V-0 } \\ \hline \end{gathered}$ | BLACK |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  | TITLE ： <br> SLIDE TYPE DIP SWITCHES |  | APPD．：林嚴政］ |  |  |
|  |  |  |  |  |  | CHKD．：潘叔援 |  |  |
| A | DWG．REL | 麻䀼政 |  | PRROD．NO：NDP（L）－םaロםaV |  | PR．：Michelle |  |  |
| REV． | ECO．NO． | APPD． |  | FILE NO：E－V－CD24 |  | REV | SHEET ：1of1 |  |


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 : $-20^{\circ} \mathrm{C} \sim+70^{\circ} \mathrm{C}$
1.2 Storage Temperature Range : $-40^{\circ} \mathrm{C} \sim+85^{\circ} \mathrm{C}$
1.3 The shelf life of product is within 6 months.
2. Current Range:
2.1 Non-Switching: 100mA, 50V DC
2.2 Switching : 25mA, 24V DC
3. Type of Actuation: Actuated by sliding
4. Test Sequence :

|  | ITEM | DESCRIPTION | TEST CONDITIONS | REQUIREMENTS |
| :---: | :---: | :---: | :---: | :---: |
|  | 1 | Visual Examination | By visual examination check without any out pressure \& testing. | There shall be no defects that affect the serviceability of the product. |
|  | 2 | Contact Resistance | 1.To be measured between the two terminals associated with each switch pole. <br> 2. Measurements shall be made with a 1 kHz shall current contact resistance meter. | $50 \mathrm{~m} \Omega$ Max. (initial) |
|  | 3 | Insulation Resistance | 500 V DC, 1 minute $\pm 5 \mathrm{sec}$. | $100 \mathrm{M} \Omega \mathrm{Min}$. |
|  | 4 | Dielectric withstand- ing Voltage | 500 V AC $(50 \mathrm{~Hz}$ 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 | $1 \mathrm{MHz} \pm 10 \mathrm{kHz}$ | 5 pF Max. |
|  | 6 | Operation Force | Applied in the direction of operation. $\mathrm{ON} \rightarrow \mathrm{OFF}$ $\mathrm{OFF} \rightarrow \mathrm{ON}$ | $\begin{gathered} \text { 400gf Max } \\ \text { (3.92N Max) } \end{gathered}$ |




## 5. SOLDERING CONDITIONS:

- Manual Soldering

| Soldering Temperature | Max. $350^{\circ} \mathrm{C}$ |
| :---: | :---: |
| 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 $\mathrm{s} / \mathrm{w}$.
3. Please make sure that there is no flux rose over the surface of the PCB


■ Notes on storage conditions:
Do not store in the following environment or it may affect product's function and solderbility:

1. temperature of $-10(\max ) \sim+40(\min ){ }^{\circ} \mathrm{C}$ \& humidity at $85 \%$ (min)
2. environment with corrosive gas
3. storage over 6 months
4. place of 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

