



WҰY૭サIO ユIกכપIJ


4．Dielectric Strength ：AC $100 \mathrm{~V} 1 \mathrm{M} \pm 5 \mathrm{~s}$




| ITEM |  | SC． | Q＇TY | MATERIALS | TR | ATMENT | REMARK |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1. | ADHES | VE TAPE | 1 | KAPTON |  | ONE | － |
| 2. |  | MINAL | 1 | PHOSPHOR BRONZE | $\begin{gathered} \hline \mathrm{WIT} \\ \mathrm{CL} \end{gathered}$ | SILVER DDING | － |
| 3. |  | TACT | 1 | STAINLESS STEEL | WITH SIL | ER PLATING | － |
| 4. |  | SE | 1 | HIGH－TEMP THERMOPLASTIC LCP | MOL | ED BLACK | － |
| PROD．NO <br> PROD．SIZE： <br> $4 \mathrm{~B}=4.8 \times 4.8$ <br> TERMINATION TYPE $J=J$ TYPE S．M．T． <br> THE MIDDLE OF PITCH： $\begin{aligned} \mathrm{A} & =2.80 \mathrm{~mm} \\ \mathrm{~B} & =3.70 \mathrm{~mm} \end{aligned}$ |  |  |  | T4BJ |  | （3） <br> $ح$ <br> （4） <br> KAGE STYLE： REGULAR <br> TAPE \＆REE <br> Halogen Free <br> ERATING FOR $\begin{aligned} & =100 \mathrm{gf} \\ & =160 \mathrm{gf} \\ & =200 \mathrm{gf} \\ & =260 \mathrm{gf} \\ & =360 \mathrm{gf} \end{aligned}$ | CE ： |
|  |  |  |  | TITLE： <br> TACTILE SWITCH TYPE |  | APPD |  |
| A1 | DWG．REL． |  |  | PROD．NO．：T4BJ | $\square-\mathrm{Q}-\square$ | PR．：陳清梅 |  |
| RVE． | ECO NO． | APPD． |  | FILE NO．：E－Q－CT5 |  | REV：A SHE | ET：1of1 |



| T4BJ $\square$-Q SPECIFICATION |  |  |  | FILE No REV. Page |  |  |  | $$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 6 | Operating Force | Applied in the direction of operation. | O F |  |  | $\begin{gathered} 200 \mathrm{gf} \\ (50 \mathrm{~g} \\ (1.96 \mathrm{~N} \pm \\ .49 \mathrm{~N}) \end{gathered}$ | $\begin{gathered} 260 \mathrm{gf} \\ \pm 50 \mathrm{~g} \\ (2.55 \mathrm{~N} \pm . \\ 49 \mathrm{~N}) \end{gathered}$ | $\begin{array}{\|c} \hline 360 \mathrm{gg} \\ \pm 600 \mathrm{~g} \\ (3.53 \pm 5 \\ 88 \mathrm{~N}) \end{array}$ |
|  | 7 | Stroke | Placing the switch such that the direction of switch operation is vertical and then gradually increasing the load applied to the stem, the stroke distance for the stem to come to a stop shall be measured. | $0.2 \pm 0.1 \mathrm{~mm}$ |  |  |  |  |  |
|  | 8 | Stop Strength | Placing the switch such that the direction of switch operation is vertical, a static load of 3 $\mathrm{kgf}(29.4 \mathrm{~N})$ shall be applied in the direction of stem operation for a period of 15 seconds | As shown in item 4~6 |  |  |  |  |  |
|  | 9 | Solder Heat Resistance | $\begin{aligned} & \text { SMT Type ~ T4BJ-Q Series(4/4) } \\ & \text { (PCB is } 1.2 \mathrm{~mm} \text { in thickness) } \end{aligned}$ | (1) Shall be free from pronounced backlash and falling-off or breakage terminals <br> (2) As shown in item 4 <br> (3) Contact Resistance: $200 \mathrm{~m} \Omega \mathrm{Max}$ <br> (4) Insulation Resistance: 10M 2 Min |  |  |  |  |  |
|  | 10 | Vibration | Shall be vibrated in accordance with Method 201A of MIL-STD-202F <br> 1) Swing distance $=1.5 \mathrm{~mm}$ <br> 2) Frequency: $10-55-10 \mathrm{~Hz}$ in 1-min/cycle. <br> 3) Direction: 3 vertical directions including the directions of operation <br> 4) Testtime:2 hours each direction | 1)As shown in item 4~6 <br> 2)Contact Resistance: 200m $\Omega$ Max <br> 3)Insulation Resistance: 10M 2 Min |  |  |  |  |  |



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T4BJ\square-Q SPECIFICATION
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FILE No. : E-Q-AT44
REV. : B
Page : 4 / 5

## 5. SOLDERING CONDITIONS:

- Condition for Soldering T4BJ Series

- The condition mentioned above is the temperature on the Cu foil of the PCB surface. There are cases where board's temperature greatly differs from switch's surface be used not to allow switch's surface temperature to exceed $260^{\circ} \mathrm{C}$.
- Manual Soldering

| Soldering Temperature | $350^{\circ} \mathrm{C} \mathrm{MAX}$. |
| :---: | :--- |
| Continuous Soldering Time | 5 second MAX. |

- 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. Except for washable type do not wash the switch.

## ■ Notes on storage conditions:

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

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

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 mustbe stored in the appropriate mois ture-proof \& airtight environment.

