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- # Acknowledgment Specification

Product Name: **Tact switch**
Model: **TACTM-613N-F (6x6mm,L=13mm), Normal material**

1. Subject Content

This acknowledgement is compiled according to Q/ARHQ-001-2007 enterprise standard (SJ/T10208-91).. The provisions of the KAN type touch switch (hereinafter referred to as the "switch") product technical requirements, inspection,test and structure size.

2 .Scope of Application

This acknowledgement is available in color television broadcasting receivers and similar electronic apparatus with touch switch, for color television broadcasting receivers and similar electronic apparatus for feature selection and state conversion.

3. Rated working range

3.1 Rated working voltage: DC12V

3.2 Rated working current: 50mA

3.3 the using environmental temperature: -25 ~ 70℃

3.4 Test conditions: 5～35℃, relative humidity 45%～85%

4. Technical Requirements

4.1 Appearance Quality

Plastic parts without injury,leakage alveolus, bubbles, flying edge, burr,crack,swelling, the handle end without obvious shaking; the riveting is uniform not easy to fall off; metal part is not rust, burr, a leading-out terminal without damage,the plating has no layer and shedding.

4.2 Electrical performance

4.2.1 Insulation resistance：≥100MΩ

4.2.2 Pressure resistance：250V AC/1min

4.2.3 Contact resistance：≤50mΩ

4.3 Mechanical performance

4.3.1 Action force：160±30gf

4.3.2 Action recovery force：>45gf

4.3.3 Action travel：0.23±0.1mm

4.3.4 Mechanical life

Under the rated voltage and current, the switch should be able to withstand 50000 times lifetime action, the action frequency is 30 times/1 minutes,test result can conform to the requirements.

4.3.5 Solderability

The leading-out terminal of switch is easy to be wet by fusion solder material,by Solder temperature 235±5℃,Immersion time 2±0.5s,Over 90% of the immersion area should be uniformly covered with soldering tin.

4.3.6 Welding heat resistance

The leading-out terminal of switch and the base should be able to withstand the melting tin temperature: 240±5℃,Immersion time： 5±1s， The dipping distance is 2.5mm from plastic substrate to the tin surface,after testing the plastic matrix will not distortion, bubble, flow etc phenomenon. The electrical parameters and mechanical performance should not be abnormal..

5.Inspection and testing

5.1 The technical requirements of this acknowledgement are for the company's factory inspection artiles.

5.2 For the high and low temperature, temperature variation, salt fog testing etc by the Provincial Bureau of technical supervision according to annual periodic inspection, this acknowledgement don’t make the detailed description.

6 . Materials:

6.1 Base: PA 66

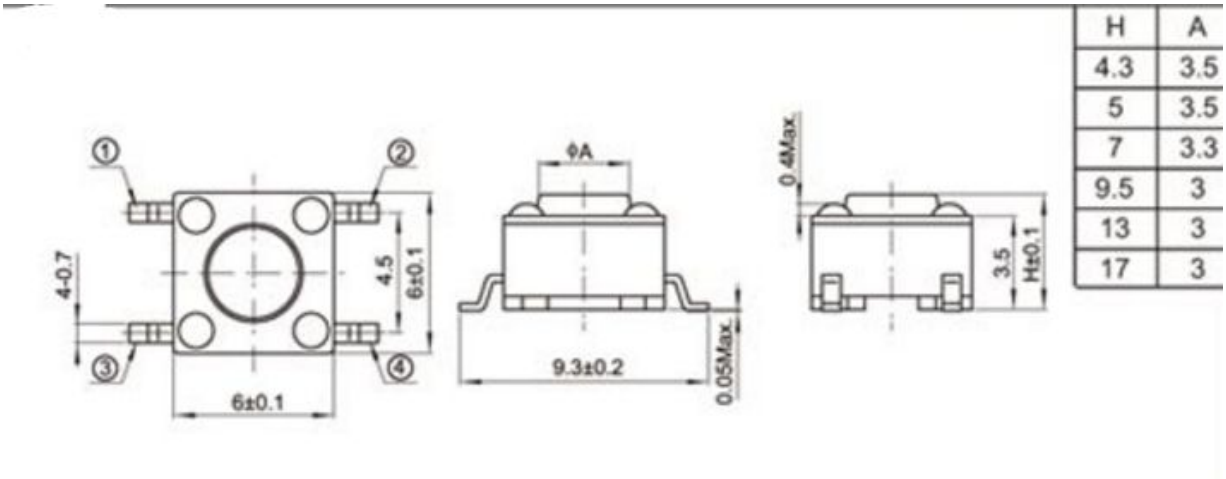
6.2 Terminal: H62 brass strip

6.3 Cover board: Tinplate

6.4 Button: PA 66

6.5:Shrapnel : AG/C5210 silver homemade

7.Structure and dimensions (L=13mm)



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4.3	3.5
5	3.5
7	3.3
9.5	3
13	3
17	3