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## REVISIONS

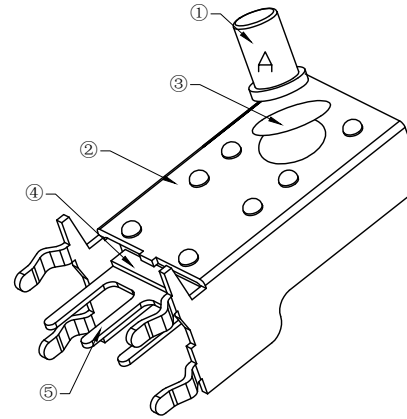
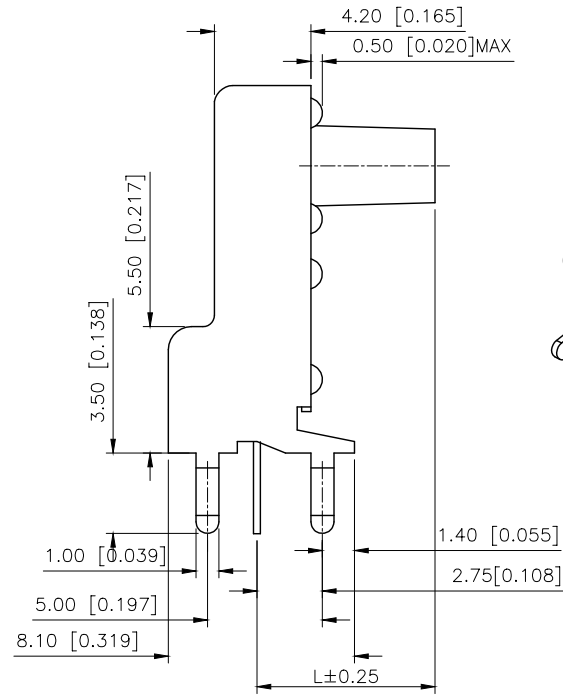
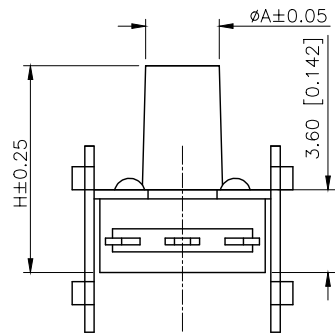
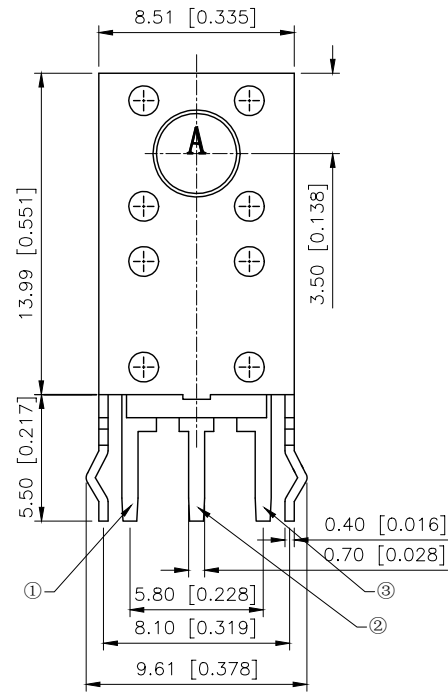
| REV. | ECN NO. | LOCATION | DESCRIPTION     | DATE       | DESIGN |
|------|---------|----------|-----------------|------------|--------|
| A0   | N/A     |          | INITIAL RELEASE | /          | /      |
| A1   | N/A     |          | 图面升级整理图面        | 2025.05.24 | 阿树     |

A

B

C

D



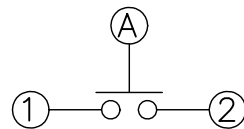
## technical parameter

技术参数

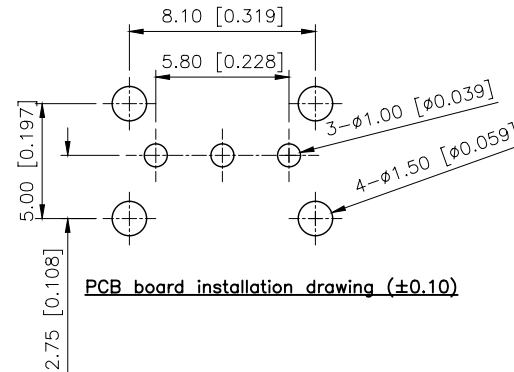
- Action temperature:  $-25 \sim +85^{\circ}\text{C}$   
作用温度:  $-25 \sim +85^{\circ}\text{C}$
- Rated load: DC 12V 50mA  
额定负载: DC 12V 50mA
- Contact resistance:  $\leq 50\text{m}\Omega$   
接触电阻:  $\leq 50\text{m}\Omega$
- Insulation resistance:  $\geq 100\text{M}\Omega$   
绝缘电阻:  $\geq 100\text{M}\Omega$
- Withstand voltage: AC250V (50 Hz) / min  
耐受电压: AC250V (50Hz) / min
- Service life: 80000 times  
使用寿命: 80000 times

|                 |       |      |            |
|-----------------|-------|------|------------|
| A               | 13.85 | 15.0 | $\phi 3.0$ |
| B               | 11.85 | 13.0 | $\phi 3.1$ |
| C               | 8.35  | 9.5  | $\phi 3.2$ |
| D               | 7.85  | 9.0  | $\phi 3.3$ |
| E               | 7.35  | 8.5  | $\phi 3.3$ |
| F               | 6.35  | 7.5  | $\phi 3.5$ |
| G               | 5.35  | 6.5  | $\phi 3.5$ |
| H               | 4.85  | 6.0  | $\phi 3.5$ |
| I               | 3.85  | 5.0  | $\phi 3.5$ |
| J               | 3.15  | 4.3  | $\phi 3.5$ |
| L(mm)H(mm)A(mm) |       |      |            |

|                 |             |
|-----------------|-------------|
| PAPT NO         | TC-53HF-C-F |
| Operating Force | C:260gf     |
| Height          | H           |



Circuit diagram

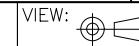
PCB board installation drawing ( $\pm 0.10$ )

|   |              |                         |                   |     |         |
|---|--------------|-------------------------|-------------------|-----|---------|
| 5 | Contcat foot | Brass $t=0.3$           | Plate with silver | 1   |         |
| 4 | Pedestal     | PPA black               |                   | 1   |         |
| 3 | Reed         | Composite               |                   | 1   |         |
| 2 | Bracket      | Cold rolled steel strip | Copper tin        | 1   |         |
| 1 | Button       | PPA black               |                   | 1   |         |
|   | Part name    | Specifications          | Surface treatment | QTY | Remarks |

|                        |                 |
|------------------------|-----------------|
| AuGLAR                 | $\pm 5^{\circ}$ |
| X.                     | $\pm 0.40$      |
| X.x                    | $\pm 0.30$      |
| X.xx                   | $\pm 0.20$      |
| X.xxx                  | $\pm 0.15$      |
| UNSPECIFIED TOLERANCES |                 |

DESIGN  
CHECKED  
APPROVED

阿树



UNIT: mm/in

SIZE: A4

MODEL TYPE:  
TACT SWITCHPART NO.:  
TC-53HF-C-FDWG NO.:  
TC-53HF-C-F

|       |      |          |
|-------|------|----------|
| SCALE | PAGE | REVISION |
| N/A   | 1/1  | A1       |

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