



RECOMMENDED PCB LAYOUT

DIMENSION

| | | |
|---|----------------|---|
| A | (N-1)×3.5+4.90 | ⚠ |
| B | (N-1)×3.5 | |

N= NUMBER OF CONCATS

| Poles | Tolerance |
|---------|-----------|
| 2P-6P | ±0.15 |
| 7P-12P | ±0.20 |
| 13P-18P | ±0.25 |
| 19P-24P | ±0.30 |

| SIGN | DATE | DESCRIPTION | APPROVER |
|------|------------|---|----------|
| ⚠ | 10/20'05 | Dim changed from 3.8 to 3.5 | Marvin |
| ⚠ | 04/20'06 | Added feature | Marvin |
| ⚠ | 8/16'06 | Added VDE standard | Steady |
| ⚠ | 1/11'07 | Soldering temperature changed from 245° to 250° | Tony |
| ⚠ | 5/27'08 | Operating temperature is changed | Marvin |
| ⚠ | 3/17'09 | The dimensions is changed from 2.3mm to 2.5mm | Jacke |
| ⚠ | 2009.08.18 | The material is changed | Jacke |
| ⚠ | 2011.03.16 | The dimensions is changed from 2.5mm to 2.45mm | Aaron |
| ⚠ | 2012.05.14 | Voltage rating is changed | Chen Bo |

THIS IS CAD DRAWING, DO NOT REVISE MANUALLY!!!

Material:

- ⚠ Item ⓐ Male contact pin: Copper Tin plated
- Item ⓑ Terminalhousing): Thermoplastic (UL94V-0)

- ⚠ Electrical: cULus /VDE
- ⚠ ● Voltage rating: 300V/300V
- Current rating: 10A/10.5A
- Withstanding Voltage: 1.6 KV/2.5KV
- ⚠ ● Operating temperature: -40°C to +115°C
- ⚠ ● Soldering temperature: 250°C±10°C/5 Sec
- Safety Approval: cULus VDE
- Critical dimension: ⚠

OQ xx 1 2 x 1 xxxx G

No. OF POLES
02: 2 POLES

24: 24 POLES

Color

- 0 Black (RAL9005)
- 2 Red (RAL3001/D)
- 3 Orange(RAL2011/P)
- 4 Yellow(RAL1018/A)
- 5 Green(RAL6018/T)
- 6 Blue (RAL5015/A)
- 8 Grey(RAL7035/D)

G RoHS compliant
(lead<4%)
In copper Alloy

0000: "ⓐ" Logo
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| | | | | | |
|----------|--|---------------------|---------------------|--------------|---|
| TITLE | OQ 3.5mm Series 90° (2P-24P) Triangle Key Lock | | | | |
| PART NO. | OQxx12x1xxxxG | | | DWG NO. | 80Q.04.02 |
| APPROVED | CHECKED | DESIGNED | DRAWN | CUST NO. | Tolerance |
| | | Chen Bo 05/14'12 | Chen Bo 05/14'12 | | X. ±0.50 X.X ±0.30 X.XX ±0.10 X° ±1° |
| | | | | UNIT: mm | |
| | | | | SCALE: NONE | |
| | | | | SHEET: 01/01 | REV.: L |

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