

# EDCON-COMPONENTS



## Technical Discription

## Drawing

### 1 Material:

Material Body: C2700  
 Gold Plated: 16-20µm  
 Nickel: 60-120µm  
 Material Needle: C3604  
 Gold Plated: 4-8µm  
 Nickel: 60-120µm  
 Spring: SUS304  
 Body: PA46

### 2 Mechanical Properties

Pitch: 2,54mm  
 Working height: 4,2~4,5mm  
 Elastic: 85 ±15gr

Lifetime: more than 10000 times

### 3 Electrical Performance:

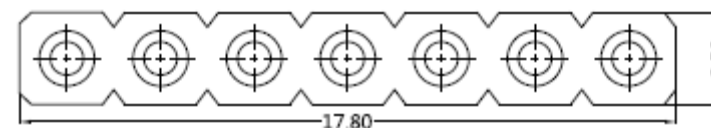
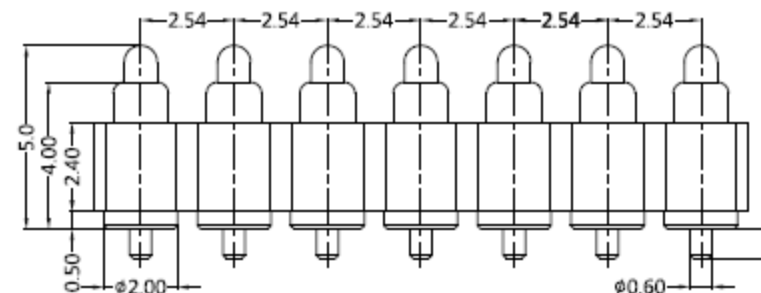
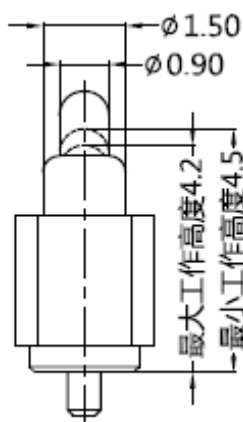
4 Isolation Resistance: 500M Ohm min.  
 Withstanding Voltage: 500VAC/DC  
 Max. Rated Voltage: 36VDC dynamic range of work with impedance less than

Contact Resistance: <30m Ohm

Rated current: 2,5A

### 5 Packing Specification: EIA 481

6 Max. Soldering Temperature: 260°C  
 Operating Temperature: -40°C to +85°C



## THT 7 POGO PIN with Plastic

Part No.: TA23C7007

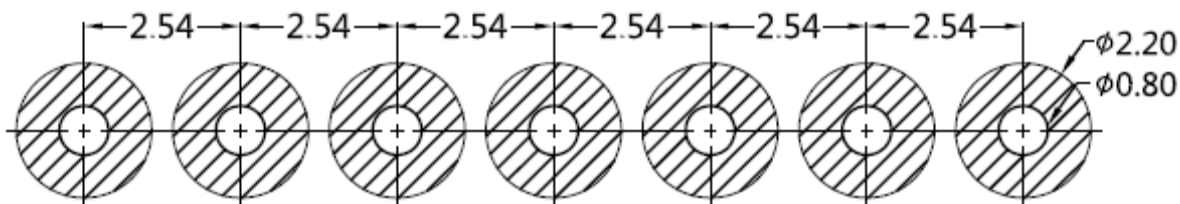
Customer:

|       |        |      |        |        |        |           |       |      |            |
|-------|--------|------|--------|--------|--------|-----------|-------|------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason | DATE | 08.12.2017 |
| APPD: | Schumi |      |        | FINISH | Jamy   | Sheet No. |       |      | 1 from 3   |

# EDCON-COMPONENTS



## PCB Layout ( mm)



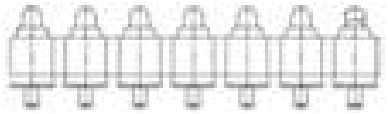
## Ordering Informations

| Serie            | Number of Position | Material Body | Material Needle | Contact Plat. Body | Contact Plat. Needle | Spezial Function | ROHS     | Packing   |  |  |
|------------------|--------------------|---------------|-----------------|--------------------|----------------------|------------------|----------|-----------|--|--|
| <b>TA23C7007</b> | <b>07</b>          | <b>A</b>      | <b>A</b>        | <b>G0</b>          | <b>G0</b>            | <b>N</b>         | <b>R</b> | <b>BU</b> |  |  |

|                     |                          |                          |                                      |                                |                       |                        |                               |
|---------------------|--------------------------|--------------------------|--------------------------------------|--------------------------------|-----------------------|------------------------|-------------------------------|
| <b>07= Position</b> | <b>A= Material C3604</b> | <b>A= Material C3604</b> | <b>G0= Gold Flash &lt;16-20µinch</b> | <b>G0= Gold Flash 4-8µinch</b> | <b>N= No function</b> | <b>R= ROHS Conform</b> | <b>BU= Bulk-Ware Standard</b> |
|                     | <b>B= Material C2700</b> | <b>B= Material C2700</b> |                                      |                                |                       |                        |                               |
|                     |                          |                          | <b>NO= Nickel 60-120µinch</b>        | <b>NO= Nickel 60-120µinch</b>  |                       |                        | <b>TU= Tube Packing</b>       |

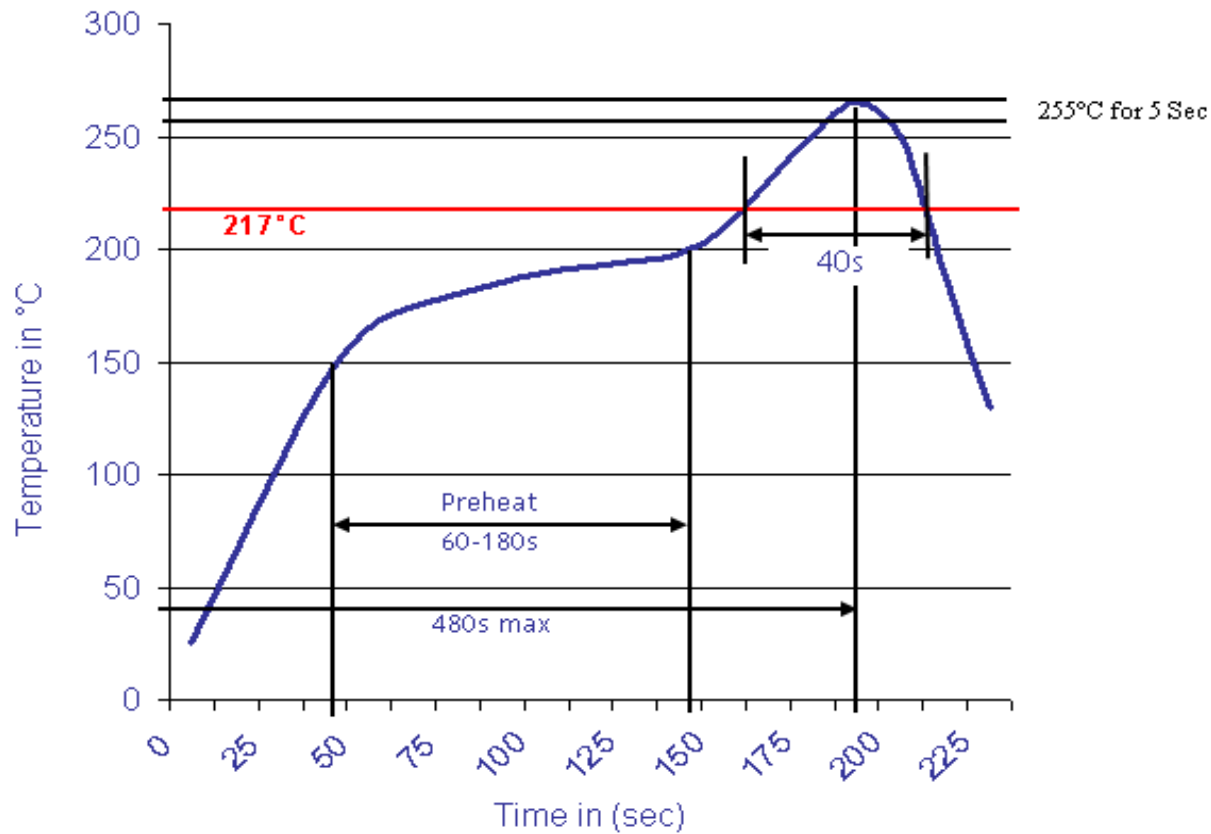
**THT 7 POGO PIN  
with Plastic**  
Part No.: **TA23C7007**

|       |        |      |        |        |        |           |           |          |            |           |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|-----------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 08.12.2017 | Customer: |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 2 from 3 |            |           |



Soldering Profile Curve

Classification Reflow Profile (JEDEC J-STD-020C)



|  |
|--|
| <b>THT 7 POGO PIN<br/>with Plastic</b> |
| Part No.: <b>TA23C7007</b>             |
| Customer:                              |

|       |        |      |        |        |        |           |           |          |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 08.12.2017 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 3 from 3 |            |