



# DATA SHEET

## PCB Push Switch with LED

### Serie: Q23022

**PCB Push Switch with LED**

Serie No.: **Q23022**

Customer:

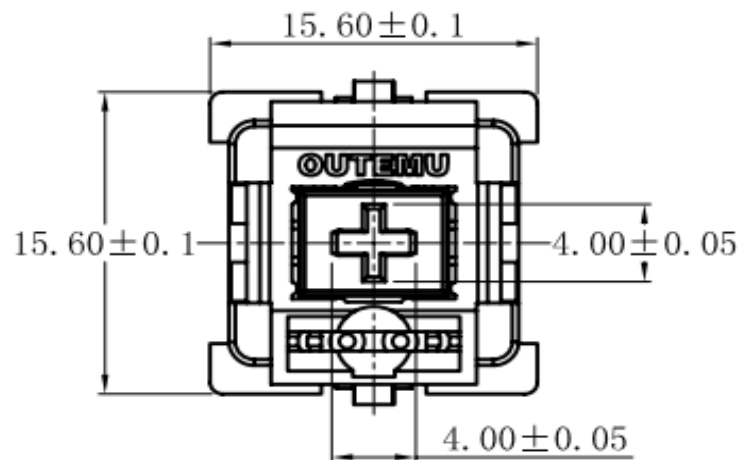
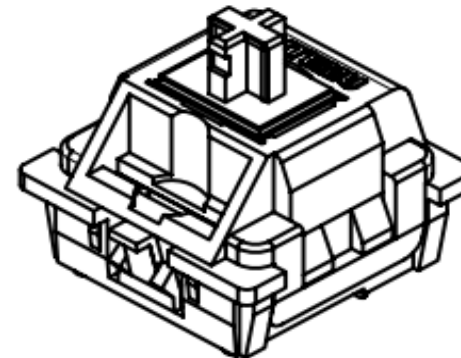
|       |        |      |        |        |        |           |           |          |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 22.12.2015 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 1 from 8 |            |

# EDCON-COMPONENTS



## Technical Dimensions

Total Travel: 4,0mm  
 Work Travel: 2,0mm  
 Work Force: 45gr. +/- 5gr force  
 Min Trigger Force: 30gf min  
 Total Travel Force: 60 +/- 5gr f  
 Voltage: 5V  
 Operating Current: 10mA  
 Insulator Resistance: 100Mega  $\Omega$  min.  
 Contact Resistance: 500m  $\Omega$  max.  
 Mechanical Lifetime: 5.000.000 cycles min.



**PCB Push Switch with LED**

Part No.: **Q23022**

Customer:

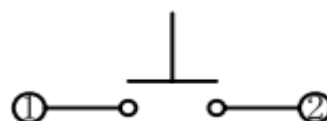
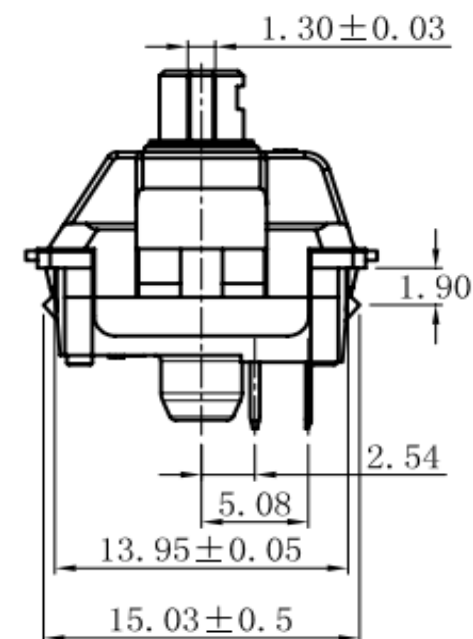
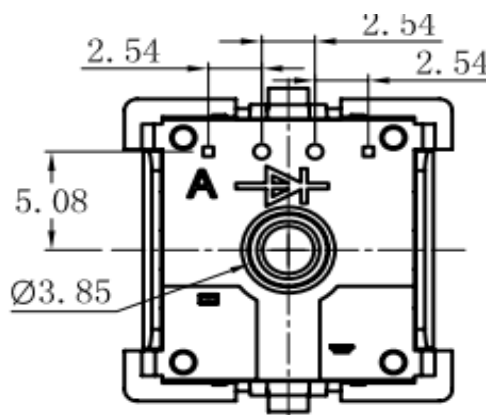
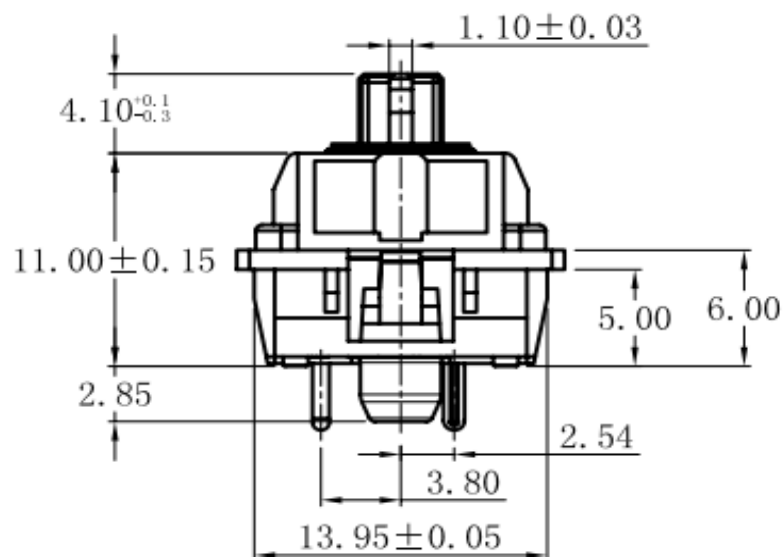
|       |        |      |        |        |        |           |           |          |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 22.12.2015 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 2 from 8 |            |

[www.edcon-components.com](http://www.edcon-components.com)

email: [info@edcon-components.com](mailto:info@edcon-components.com)

Copyright by S.Tiede

# EDCON-COMPONENTS



## PCB Push Switch with LED

Part No.: **Q23022**

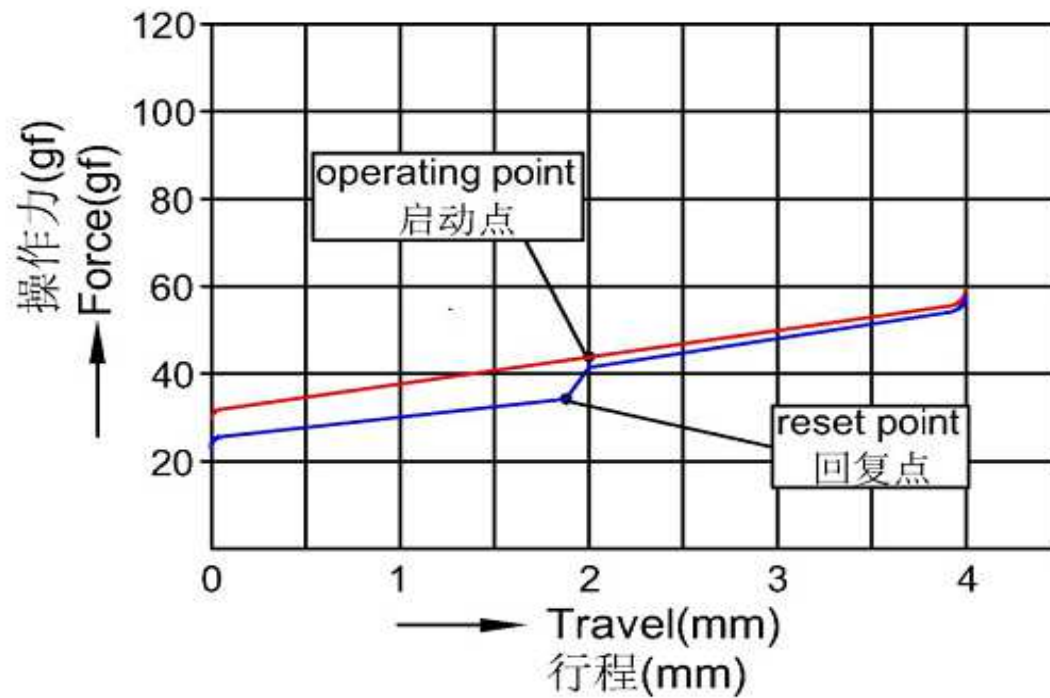
Customer:

|       |        |      |        |        |        |           |           |          |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 22.12.2015 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 3 from 8 |            |

[www.edcon-components.com](http://www.edcon-components.com)

email: [info@edcon-components.com](mailto:info@edcon-components.com)

Copyright by S.Tiede



PCB Push Switch with LED

Part No.: Q23022

Customer:

|       |        |      |        |        |        |           |           |          |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 22.12.2015 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 4 from 8 |            |



### PCB Push Switch with LED

Part No.: **Q23022**

Customer:

|       |        |      |        |        |        |           |           |          |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 22.12.2015 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 5 from 8 |            |

# EDCON-COMPONENTS



## PCB Push Switch with LED

Part No.: **Q23022**

Customer:

|       |        |      |        |        |        |           |           |          |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 22.12.2015 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 6 from 8 |            |

[www.edcon-components.com](http://www.edcon-components.com)

email: [info@edcon-components.com](mailto:info@edcon-components.com)



# EDCON-COMPONENTS



## Ordering Informations

| Serie | Total Height | Travel | Opearting force | LED Color | Special function | Special function | Special function | ROHS | Packing Code |  |
|-------|--------------|--------|-----------------|-----------|------------------|------------------|------------------|------|--------------|--|
|-------|--------------|--------|-----------------|-----------|------------------|------------------|------------------|------|--------------|--|

|               |   |            |           |            |           |           |          |          |          |           |  |
|---------------|---|------------|-----------|------------|-----------|-----------|----------|----------|----------|-----------|--|
| <b>Q23022</b> | - | <b>151</b> | <b>BK</b> | <b>060</b> | <b>RD</b> | <b>XX</b> | <b>X</b> | <b>X</b> | <b>R</b> | <b>BU</b> |  |
|---------------|---|------------|-----------|------------|-----------|-----------|----------|----------|----------|-----------|--|

|                       |                                        |                   |                    |                               |                               |                               |                                  |                         |  |
|-----------------------|----------------------------------------|-------------------|--------------------|-------------------------------|-------------------------------|-------------------------------|----------------------------------|-------------------------|--|
| <b>151=</b><br>15,1mm | <b>BK= 1,5mm</b><br><b>color Black</b> | <b>060=</b> 60gr. | <b>00=</b> w/o LED | XX= No<br>Special<br>function | XX= No<br>Special<br>function | XX= No<br>Special<br>function | <b>R=</b> ROHS<br>Conform        | <b>BU=</b> Bulk<br>Ware |  |
|                       | <b>RD= 2,0mm</b><br><b>color Red</b>   |                   | <b>GN=</b> Green   |                               |                               |                               | <b>N=</b> NON<br>ROHS<br>Conform |                         |  |
|                       | <b>BL= 2,5mm</b><br><b>color Blue</b>  |                   | <b>BL=</b> Blue    |                               |                               |                               |                                  |                         |  |
|                       |                                        |                   | <b>WH=</b> White   |                               |                               |                               |                                  |                         |  |
|                       |                                        |                   | <b>YE=</b> Yellow  |                               |                               |                               |                                  |                         |  |
|                       |                                        |                   | <b>VI=</b> Violet  |                               |                               |                               |                                  |                         |  |
|                       |                                        |                   | <b>RD=</b> Red     |                               |                               |                               |                                  |                         |  |

**PCB Push Switch with LED**

Part No.: **Q23022**

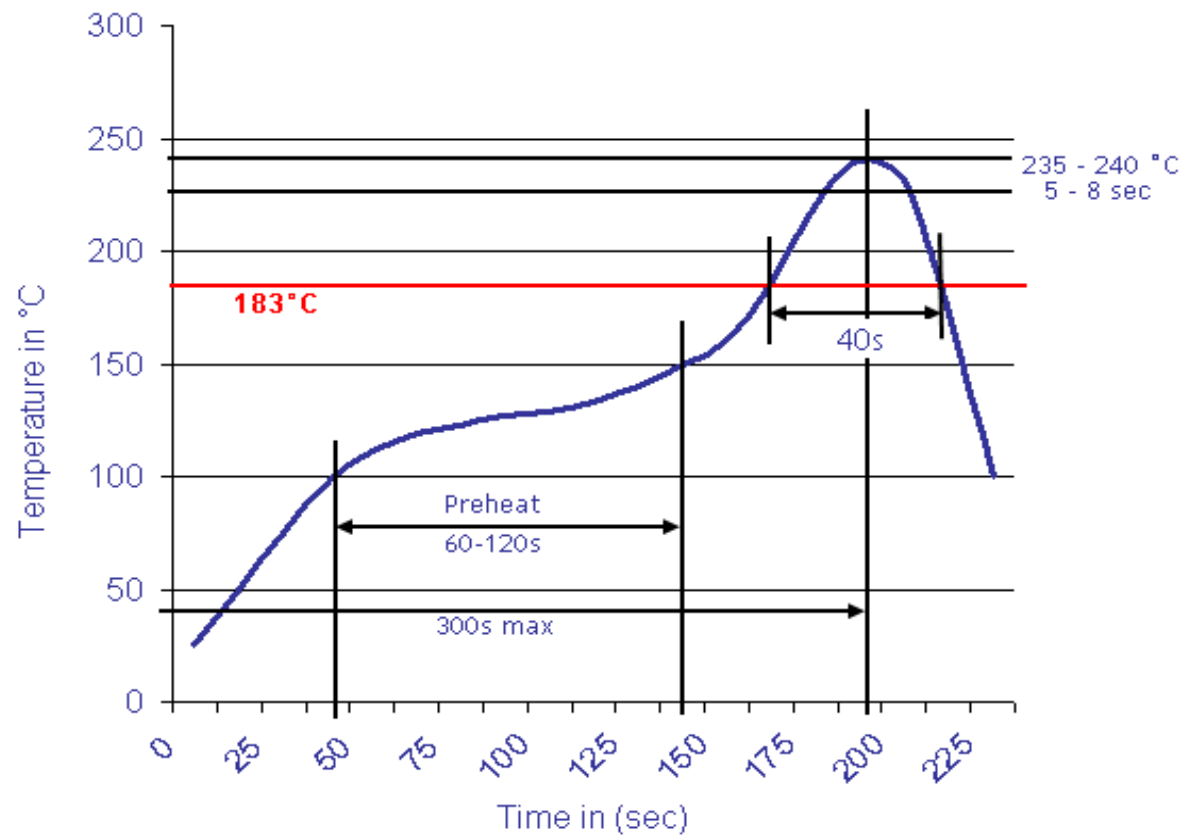
Customer:

|       |        |      |        |        |        |           |           |          |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 22.12.2015 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 7 from 8 |            |



## Soldering Profile Curve

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



PCB Push Switch with LED

Part No.: Q23022

Customer:

|       |        |      |        |        |        |           |           |          |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 22.12.2015 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 8 from 8 |            |