



DATA SHEET

THT BCD ROTARY Switch

Serie: Q27021

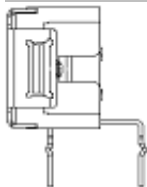
THT BCD ROTARY Switch

Serie No.: **Q27021**

Customer:

| | | | | | | | | | |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW: | Jason | CHKD | Wilson | MATL: | Wilson | TOLERANCE | Mason | DATE | 22.09.2012 |
| APPD: | Schumi | | | FINISH | Jamy | | Sheet No. | 1 from 6 | |

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Specifications

Material

| | |
|---------------|-------------------------------------|
| Housing/Knob: | Thermoplastic |
| O-Ring: | Silicone Rubber |
| Terminal: | Precisious metal on phosphor bronze |

Mechanical:

| | |
|---------------------|--------------------|
| Switching Positions | 8, 10,16 positions |
| Operating force: | 510gr-cm max. |
| Life: | 10.000detens |

Electrical:

| | |
|------------------------|---------------------|
| Max. Load Rating: | |
| Max. Switching: | 100mA, 5VDC |
| Min. Switching: | 10µA, 5VDC |
| Contact Resistance: | 200mΩ max. |
| Insulation Resistance: | 1000M Ω at 100VDC |
| Dielectric Strength: | 250VAC for 1 minute |

Environmental:

| | |
|------------------------|------------------------------|
| Operating Temperature: | . -25°C to +70°C |
| Soldering Temperature: | max. 250 ± 5°C for 5 seconds |

Features

- Pin-Out compatible with the most equivalents items
- Low Profile 3mm Height
- Gold Plated contacts
- Molded-In terminals
- Snap-In mounting on PCB

THT BCD ROTARY Switch

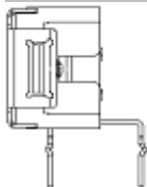
Part No.: **Q27021**

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www.edcon-components.com

email: info@edcon-components.com

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Switch Code

| BCD Order Code = 08S | | | | | |
|----------------------|--------------------|---|---|---|---|
| Position | BCD 8 Position | | | | |
| | Common c contacted | | | | |
| | 1 | 2 | 4 | 8 | C |
| 0 | | | | | |
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |

| BCD Order Code = 16S | | | | | |
|----------------------|--------------------|---|---|---|---|
| Position | BCD 16 Position | | | | |
| | Common c contacted | | | | |
| | 1 | 2 | 4 | 8 | C |
| 0 | | | | | |
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |
| A | | | | | |
| B | | | | | |
| C | | | | | |
| D | | | | | |
| E | | | | | |
| F | | | | | |

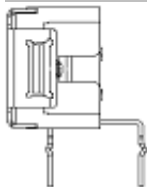
| BCD Order Code = 10C | | | | | |
|----------------------|-----------------------|---|---|---|---|
| Position | BCD Complement 10Pos. | | | | |
| | Common c contacted | | | | |
| | 1 | 2 | 4 | 8 | C |
| 0 | | | | | |
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |

| BCD Order Code = 10S | | | | | |
|----------------------|--------------------|---|---|---|---|
| Position | BCD 10 Position | | | | |
| | Common c contacted | | | | |
| | 1 | 2 | 4 | 8 | C |
| 0 | | | | | |
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |

| | |
|------------------------------|---------------|
| THT BCD ROTARY Switch | |
| Part No.: | Q27021 |
| Customer: | |

| | | | | | | | | | |
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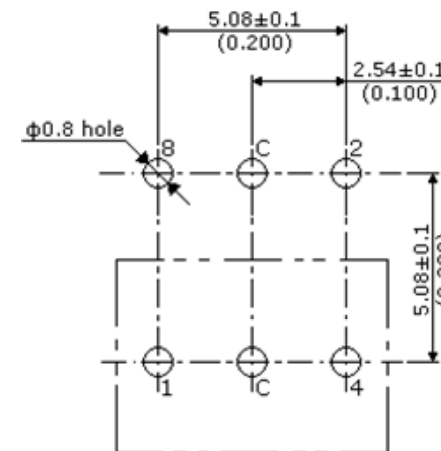
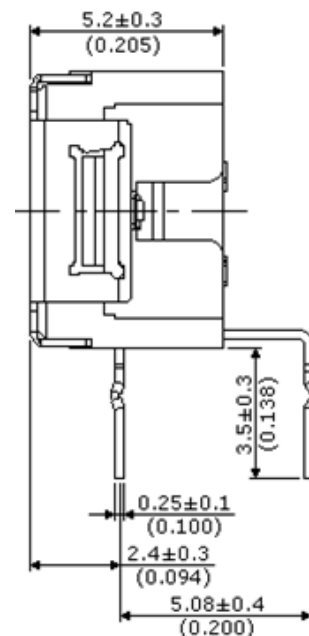
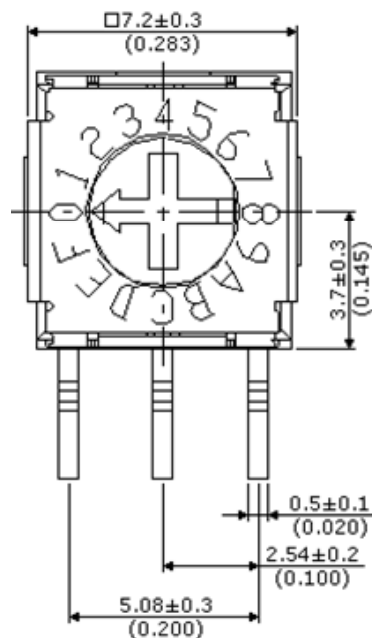


Switch Code

Technical Dimensions (mm)

PCB Layout (mm)

| BCD Order Code = 16C | | | | | |
|----------------------|----------------------------|---|---|---|---|
| Position | BCD Complement 16 Position | | | | |
| | Common c contacted | | | | |
| | 1 | 2 | 4 | 8 | C |
| 0 | | | | | |
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |
| A | | | | | |
| B | | | | | |
| C | | | | | |
| D | | | | | |
| E | | | | | |
| F | | | | | |



Terminal Order Code 3 = (3+3)

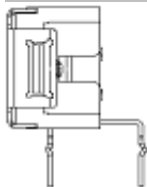
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Customer:

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Ordering Informations

| Serie | BCD Order Code | Rotor Style | Terminal Style | ROHS | Packing Code | | | | | |
|-------|----------------|-------------|----------------|------|--------------|--|--|--|--|--|
|-------|----------------|-------------|----------------|------|--------------|--|--|--|--|--|

| | | | | | | | | | | |
|---------------|------------|-----------|----------|----------|-----------|--|--|--|--|--|
| Q27021 | 10S | 00 | 3 | R | TU | | | | | |
|---------------|------------|-----------|----------|----------|-----------|--|--|--|--|--|

| | | | | |
|----------------------|---------------------------|----------------------|----------------------------|-------------------------|
| 10S= Type 10S | Kn= Flat Knob Type | 3= (3+3) Legs | R= ROHS Conform | TU= Tube Packing |
| 08S= Type 08S | | | N= NON ROHS Conform | TY= Tray Packing |
| 16S= Type 16S | | | | BU= Bulk Ware |
| 10C= Type 10C | | | | |
| 16C= Type 16C | | | | |

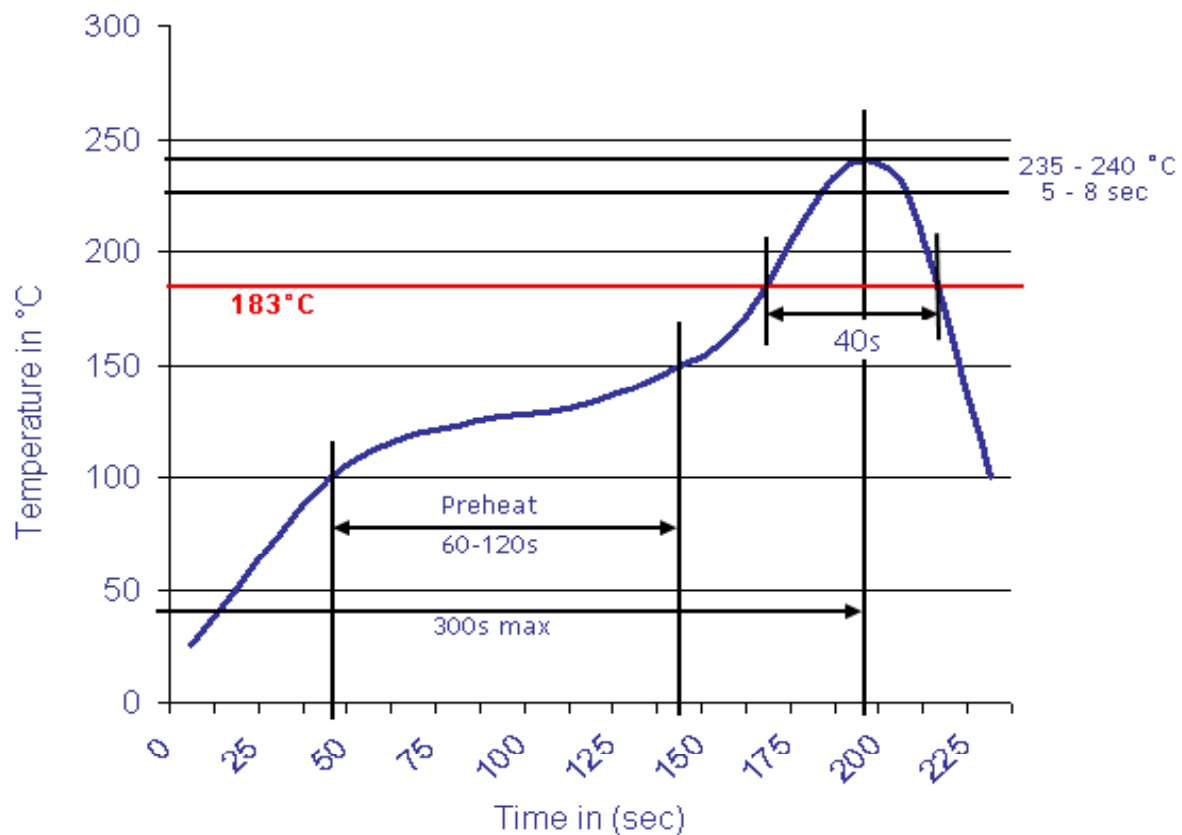
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| Customer: |

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Soldering Profile Curve

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



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