

# SUBMINIATURE SWITCHES

Pushbutton, Rocker & Toggle



TE Connectivity's Subminiature Series line of switches provide a cost savings solution for switching power. Designed with space in mind, the low profile, IP67 sealed subminiature series switches are available in a range of ratings from 0.4 VA up to 3A @ 125 VAC. They are available in Pushbutton, Toggle, Rocker in both surface mount and thru-hole terminations.

## Electrical Specifications

- Contact Rating, Au Plating: 0.4 VA @ 20 VAC or VDC
- Contact Rating, Ag Plating: 3 A (resistive) @ 120 VAC or 28 VDC  
1 A (resistive) @ 250 VAC
- Contact Resistance: 20 mΩ max initial @ 2 - 4 VDC  
100 mA for silver and gold plated
- Insulation Resistance: 1,000 MΩ min.

## Mechanical Specifications

- 30,000 make-and-break mechanical life cycles
- Operating temperature: -30 °C to +85 °C

## Materials

- RoHS Compliant and Lead-Free
- Copper alloy terminals with Gold or Silver Finish
- Thermoplastic Case (UL94 V-0)

## Standards and Specifications

- Sealed switches rated to IP67
- Wave soldering capable to 260 °C ± 5 °C for max 5 seconds

## Key Features

- Compact Design
- IP67 Rated
- Vertical & right angle versions

## Key Benefits

- Lower material cost when replacing existing miniature mechanical switches
- Increased board or panel space and match existing functions
- Reduce maintenance and replacement costs with reliable performance
- Faster assembly time with re-flow or wave solder compatible styles
- Reduce manual assembly time with pick-and-place compatible tape and reel packaging

## Applications

- Set top boxes
- Control panels / boxes
- Light fixtures
- Industrial machinery

Product Offering

| Push Button Switches |          |                 |                |                            |                   | Rocker Switches |                |                                    |                   |
|----------------------|----------|-----------------|----------------|----------------------------|-------------------|-----------------|----------------|------------------------------------|-------------------|
| Part Number          | Type     | Actuator Height | Bushing Height | Terminations               | Terminal Material | Part Number     | Switch Type    | Terminations                       | Terminal Material |
| 2267072-1            | Off-Mom. | 3.94            | 3.3            | PC thru-hole               | Gold              | 2267087-1       | SP On-None-On  | Solder Lug                         | Sliver            |
| 2267072-2            | Off-Mom. | 3.94            | 3.3            | Right angle, PC thru-hole  | Gold              | 2267087-2       | DP On-None-On  | Solder Lug                         | Sliver            |
| 2267072-3            | Off-Mom. | 4.1             | 3.3            | Right angle, PC thru-hole  | Gold              | 2267087-3       | SP On-None-On  | Right angle, PC thru-hole          | Sliver            |
| 2267072-4            | Off-Mom. | 3.94            | 3.3            | PC thru-hole               | Sliver            | 2267087-4       | DP On-None-On  | Right angle, PC thru-hole          | Sliver            |
| 2267073-1            | Off-Mom. | 3.94            | 5.59           | PC thru-hole               | Gold              | 2267087-5       | SP On-None-On  | Vertical right angle, PC thru-hole | Sliver            |
| 2267073-2            | Off-Mom. | 3.94            | 5.59           | Right angle, PC thru-hole  | Gold              | 2267087-6       | DP On-None-On  | Vertical right angle, PC thru-hole | Sliver            |
| 2267074-1            | Off-Mom. | 3.94            | 5.59           | PC thru-hole               | Gold              | 2267087-7       | SP On-None-On  | V-bracket                          | Sliver            |
| 2267074-2            | Off-Mom. | 3.94            | 5.59           | Right angle, PC thru-hole  | Gold              | 2267087-8       | DP On-None-On  | V-bracket                          | Sliver            |
| 2267074-3            | Off-Mom. | 3.94            | 5.59           | PC thru-hole               | Sliver            | 2267088-1       | SP On-None-On  | PC thru-hole                       | Gold              |
| 2267074-4            | On-Mom.  | 3.94            | 5.59           | PC thru-hole               | Sliver            | 2267088-2       | DP On-None-On  | PC thru-hole                       | Sliver            |
| 2267075-1            | Off-Mom. | 3.94            | 7.87           | PC thru-hole               | Gold              | 2267088-3       | SP On-None-On  | Right angle, PC thru-hole          | Sliver            |
| 2267075-2            | Off-Mom. | 3.94            | 7.87           | Right angle, PC thru-hole  | Gold              | 2267088-4       | DP On-None-On  | Right angle, PC thru-hole          | Sliver            |
| 2267076-1            | Off-Mom. | 3.94            | 7.87           | PC thru-hole               | Gold              | 2267088-5       | SP On-None-On  | Vertical right angle, PC thru-hole | Gold              |
| 2267076-2            | Off-Mom. | 3.94            | 7.87           | Right angle, PC thru-hole  | Gold              | 2267088-6       | DP On-None-On  | Vertical right angle, PC thru-hole | Gold              |
| 2267076-3            | On-Mom.  | 3.94            | 7.87           | PC thru-hole               | Gold              | 2267088-7       | SP On-None-On  | V-bracket                          | Gold              |
| 2267076-4            | Off-Mom. | 3.94            | 7.87           | PC thru-hole               | Sliver            | 2267088-8       | DP On-None-On  | V-bracket                          | Sliver            |
| 2267130-1            | On-Mom.  | 3.94            |                | Right angle, surface mount | Gold              | 2267129-1       | SP On-None-On  | Right angle, surface mount         | Gold              |
| 2267130-2            | On-Mom.  | 3.94            |                | standard                   | Gold              | 2267129-2       | SP On-None-On  | standard                           | Gold              |
| 2267130-3            | Off-Mom. | 3.94            |                | Right angle, surface mount | Gold              | 2267129-3       | DP On-None-Mom | Right angle, surface mount         | Gold              |
| 2267130-4            | Off-Mom. | 3.94            |                | standard                   | Gold              | 2267129-4       | DP On-None-Mom | standard                           | Gold              |

| Toggle Switches |                |                        |                                    |          |
|-----------------|----------------|------------------------|------------------------------------|----------|
| TE Part         | Type           | Bushing Height / Type  | Terminations                       | Terminal |
| 2267077-1       | SP On-None-On  | 7.87 flat threaded     | PC thru-hole                       | Gold     |
| 2267077-2       | DP On-None-On  | 7.87 flat threaded     | PC thru-hole                       | Gold     |
| 2267077-3       | DP On-None-On  | 7.87 flat threaded     | Solder Lug                         | Sliver   |
| 2267078-1       | SP Off-None-On | 5.59 flat non-threaded | PC thru-hole                       | Gold     |
| 2267078-2       | SP On-None-On  | 5.59 flat non-threaded | PC thru-hole                       | Gold     |
| 2267078-3       | SP On-None-On  | 5.59 flat non-threaded | Right angle, PC thru-hole          | Gold     |
| 2267078-4       | SP On-None-On  | 5.59 flat non-threaded | Vertical right angle, PC thru-hole | Gold     |
| 2267078-5       | SP On-Off-On   | 5.59 flat non-threaded | PC thru-hole                       | Gold     |
| 2267078-6       | SP On-Off-On   | 5.59 flat non-threaded | Right angle, PC thru-hole          | Gold     |
| 2267078-7       | SP On-Off-On   | 5.59 flat non-threaded | Vertical right angle, PC thru-hole | Gold     |
| 2267078-8       | DP On-None-On  | 5.59 flat non-threaded | PC thru-hole                       | Gold     |
| 2267078-9       | DP On-None-On  | 5.59 flat non-threaded | Right angle, PC thru-hole          | Gold     |
| 2267079-1       | SP On-None-On  | 5.59 flat threaded     | M5                                 | Gold     |
| 2267079-2       | SP Off-None-On | 5.59 flat threaded     | Solder Lug                         | Sliver   |
| 2267079-3       | SP On-None-On  | 5.59 flat threaded     | Solder Lug                         | Sliver   |
| 2267079-4       | SP On-Off-On   | 5.59 flat threaded     | Solder Lug                         | Sliver   |
| 2267079-5       | DP On-None-On  | 5.59 flat threaded     | Solder Lug                         | Sliver   |
| 2267079-6       | SP On-Off-On   | 5.59 flat threaded     | PC thru-hole                       | Gold     |
| 2267080-1       | SP Off-None-On | 5.59 flat threaded     | Solder Lug                         | Sliver   |
| 2267080-2       | SP On-None-On  | 5.59 flat threaded     | Solder Lug                         | Sliver   |
| 2267131-1       | SP On-None-On  | 4.35 standard          | Right angle, surface mount         | Gold     |
| 2267131-2       | SP On-None-On  | 4.35 standard          | standard                           | Gold     |
| 2267131-3       | SP On-None-On  | 4.35 standard          | Right angle, surface mount         | Gold     |
| 2267131-4       | SP On-None-On  | 4.35 standard          | standard                           | Gold     |
| 2267131-5       | DP On-None-Mom | 4.35 standard          | Right angle, surface mount         | Gold     |
| 2267131-6       | DP On-None-Mom | 4.35 standard          | standard                           | Gold     |

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