



**H**

**DIP**

**components**  
**herals**  
**rol,**

Solderability: Wave soldering 260°/10 s.  
SMT are reflow compatible according to C&K lead free specification for SMT components PS-LF-001.

**Number of Positions** \_\_\_\_\_

**RTE04** <sup>2</sup> **ESD Protection and top plate** \_\_\_\_\_

**RTE10** <sup>3</sup> **0** Without ESD - standard plate

**RTE16** <sup>3</sup> **1** With ESD - standard plate <sup>4</sup>

**B** Without ESD - black plate

**Actuator** \_\_\_\_\_

**0** Flush, screwdriver slot

**1** Extended shaft <sup>2, 5</sup>

**2** Shaft for button <sup>2, 5, 6</sup>

**Terminations** \_\_\_\_\_

**N** Thru-hole

**V** Right angle

**G** Surface mount

**M** Manual <sup>8</sup>

**R** Reverse, thru-hole

**Switch Function** \_\_\_\_\_

**0** Single pole <sup>3</sup>

**1** BCD code

**2** BCD complement code <sup>9</sup>

**3** Grey Code <sup>10</sup>

**4** Hexadecimal code <sup>11</sup>

**7** Grey Code <sup>12</sup>

**Contact/Terminal Material**

**4** Gold/ lead free tin

only available with screwdriver slot actuator "0"

action not available for RTE10/RTE16

available with "N" thru-hole termination only

surface mount

d separately

ble for RTE10/RTE16 with actuator option "2" only

ent code for RTE10, not available with terminations "G" & "M"

or RTE10 only

code for RTE16 only

RTE16 only



# RTE Series

## Low Profile Rotary DIP Switches



H

DIP

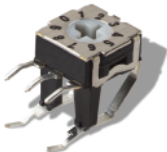
SWITCHES WITH STANDARD OPTIONS

### PC Mount-Terminal Option N



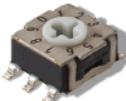
| PART NUMBER<br>WITHOUT ESD PIN | WITH ESD PIN      | NO.<br>POS. | FUNCTION    | QTY<br>PER TUBE |
|--------------------------------|-------------------|-------------|-------------|-----------------|
| <b>RTE0400N04</b>              | <b>RTE0410N04</b> | 4           | SP4T        | 65              |
| <b>RTE1000N14</b>              | <b>RTE1010N14</b> | 10          | BCD         | 65              |
| <b>RTE1600N44</b>              | <b>RTE1610N44</b> | 16          | HEXADECIMAL | 65              |

### Right Angle Mount-Terminal Option V



| PART NUMBER       | NO.<br>POS. | FUNCTION    | QUANTITY    |
|-------------------|-------------|-------------|-------------|
| <b>RTE0400V04</b> | 4           | SP4T        | 150 per box |
| <b>RTE1000V14</b> | 10          | BCD         | 150 per box |
| <b>RTE1600V44</b> | 16          | HEXADECIMAL | 150 per box |

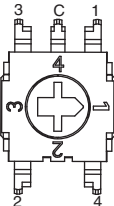
### Surface Mount-Terminal Option G



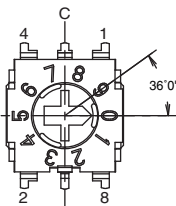
| PART NUMBER       | NO.<br>POS. | FUNCTION    | QUANTITY<br>PER REEL |
|-------------------|-------------|-------------|----------------------|
| <b>RTE0400G04</b> | 04          | SP4T        | 1250                 |
| <b>RTE1000G14</b> | 10          | BCD         | 1250                 |
| <b>RTE1600G44</b> | 16          | HEXADECIMAL | 1250                 |

NUMBER OF POSITIONS

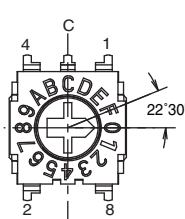
**RTE04** 4 POSITION



**RTE10** 10 POSITION



**RTE16** 16 POSITION



# RTE Series Low Profile Rotary DIP Switches

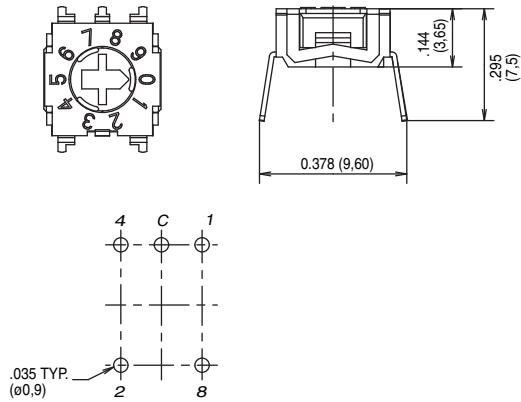
ESD PROTECTION 



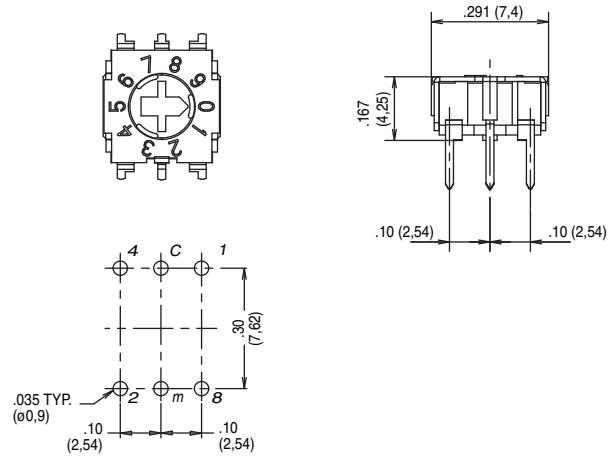
H

DIP

0 WITHOUT

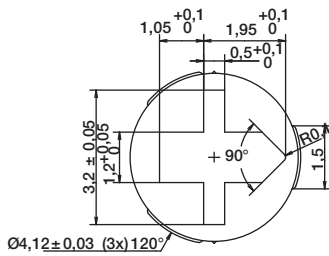


1 WITH

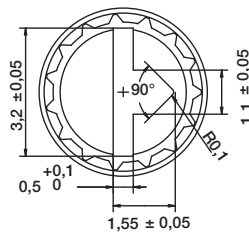


ACTUATOR 

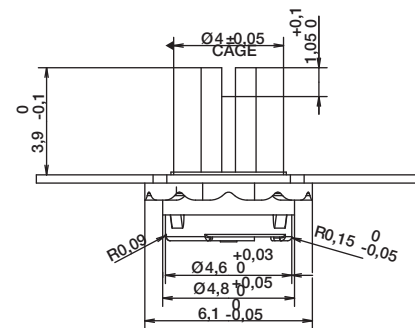
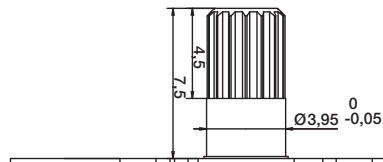
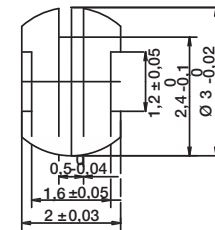
0 FLUSH, SCREWDRIVER SLOT



1 EXTENDED SHAFT  
(not available in surface mount)



2 SHAFT FOR BUTTON



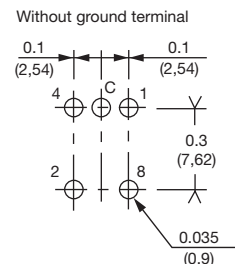
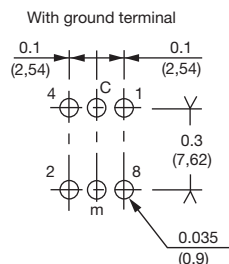
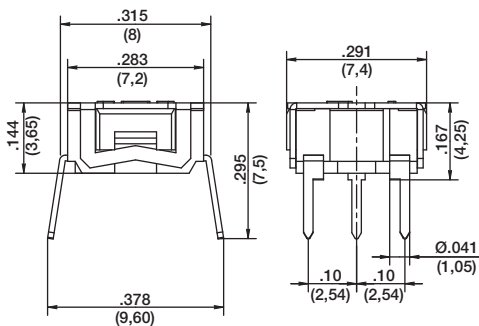
# RTE Series

## Low Profile Rotary DIP Switches

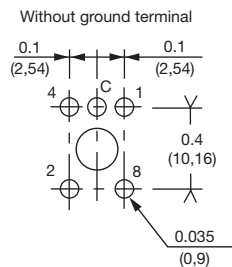
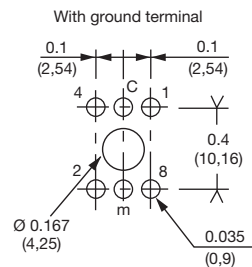
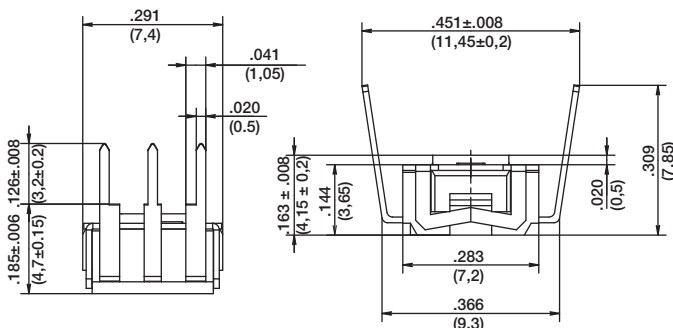
### TERMINATIONS



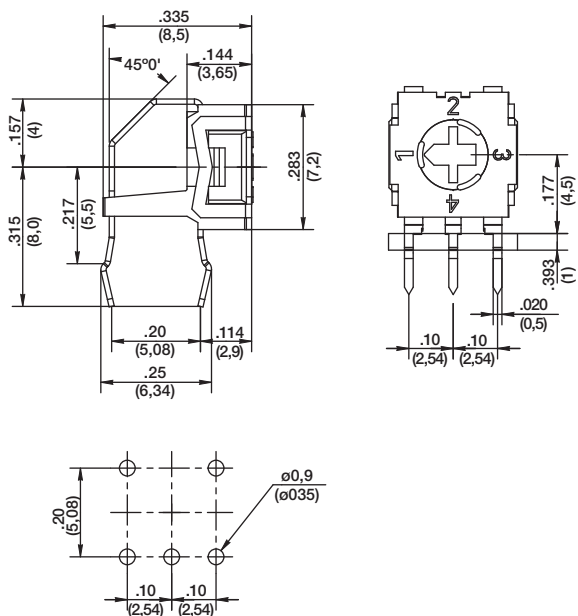
#### N THRU-HOLE



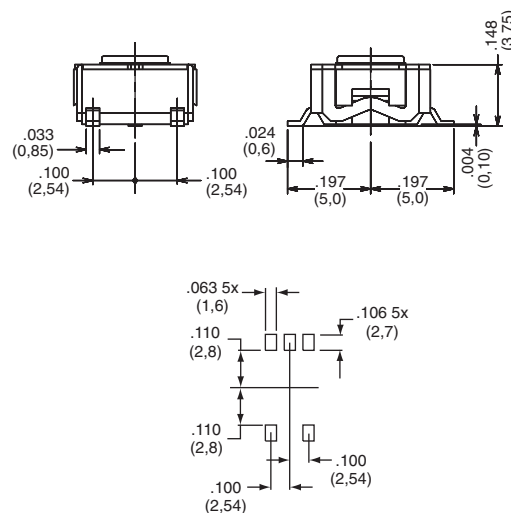
#### R REVERSE, THRU-HOLE



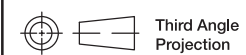
#### V RIGHT ANGLE, THRU-HOLE



#### G SURFACE MOUNT



PCB layout seen component side



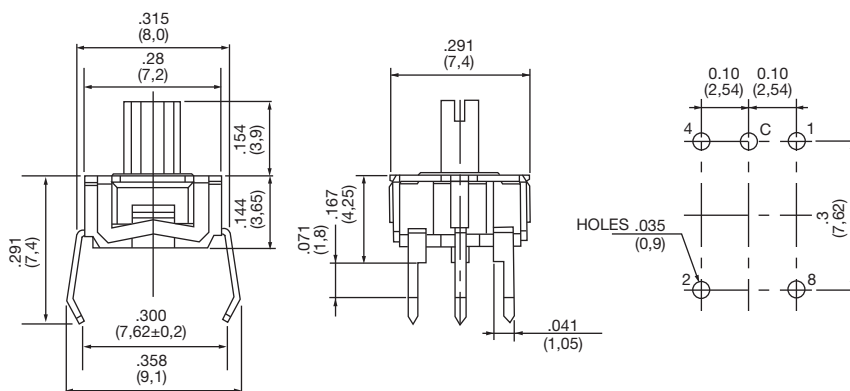
Third Angle  
Projection



Dimensions are shown: Inch (mm)  
Specifications and dimensions subject to change

## DIP

## M OPTION



## 0 SINGLE POLE

| POS. | 1 | 2 | 3 | 4 |
|------|---|---|---|---|
| C    | ● | ● | ● | ● |
| 1    | ● |   |   |   |
| 2    |   | ● |   |   |
| 3    |   |   | ● |   |
| 4    |   |   |   | ● |

## 1 BCD CODE

[illegible]

## 2 BCD COMPLEMENT CODE

[illegible]

**Other codes available by request.**

### 3 GREY CODE ( for RTE10 only )

[illegible]

## 4 HEXADECIMAL CODE

| POS. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|------|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| C    | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ●  | ●  | ●  | ●  | ●  | ●  |
| 1    |   | ● |   | ● |   | ● |   | ● |   | ● |    | ●  |    | ●  |    | ●  |
| 2    |   |   | ● | ● |   |   | ● |   |   | ● | ●  |    |    |    | ●  | ●  |
| 4    |   |   |   |   | ● |   | ● |   |   |   |    |    | ●  |    | ●  | ●  |
| 8    |   |   |   |   |   |   |   |   | ● | ● | ●  | ●  | ●  | ●  | ●  | ●  |

## 7 GREY CODE (for RTE04 only)

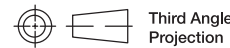
| POS. | 1 | 2 | 3 | 4 |
|------|---|---|---|---|
| C    | ● | ● | ● | ● |
| 1    | ● |   |   |   |
| 2    |   | ● |   |   |
| 4    |   |   | ● |   |
| 8    |   |   |   | ● |

(for RTE16 only)

| POS. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | B | C | D | E | F |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C    | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 1    |   | ● | ● |   |   | ● | ● |   |   | ● | ● |   |   |   | ● | ● |
| 2    |   |   | ● | ● | ● | ● |   |   |   |   | ● | ● | ● | ● |   |   |
| 4    |   |   |   |   | ● | ● | ● | ● |   | ● | ● | ● | ● |   |   |   |
| 8    |   |   |   |   |   |   |   |   | ● | ● | ● | ● | ● | ● | ● | ● |

A diagram of a 3-bit shift register. It consists of three flip-flops connected in series. The first flip-flop has inputs A and B, and output Q1. The second flip-flop has input C and output Q2. The third flip-flop has output Q3. The outputs are labeled Q1, Q2, and Q3.

| OPTION CODE | RoHS COMPLIANT | RoHS COMPATIBLE | CONTACT MATERIAL | TERMINAL PLATING |
|-------------|----------------|-----------------|------------------|------------------|
| 4           | YES            | YES             | GOLD             | LEAD FREE TIN    |



Dimensions are shown: Inch (mm)  
Specifications and dimensions subject to change

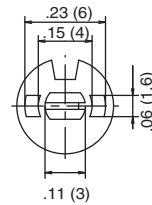
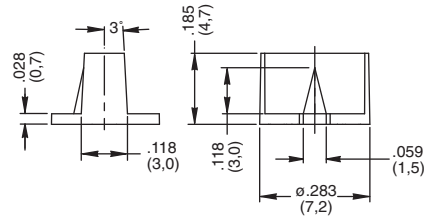
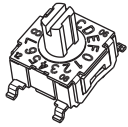
# RTE Series

## Low Profile Rotary DIP Switches

### BUTTONS AVAILABLE

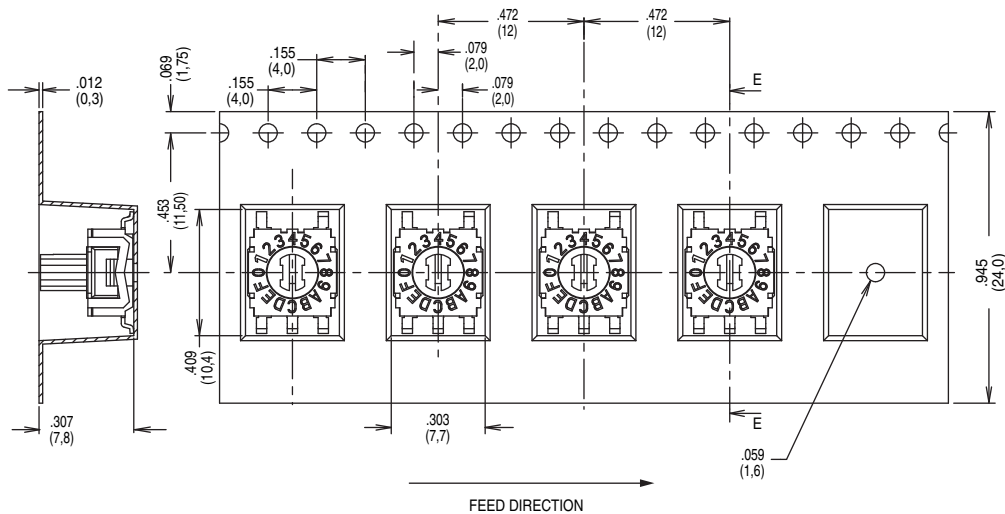
Buttons are ordered separately, shipped in bulk.

| Part Number       | Color |
|-------------------|-------|
| <b>BTN RTE 40</b> | Red   |
| <b>BTN RTE 50</b> | Green |
| <b>BTN RTE 90</b> | Black |

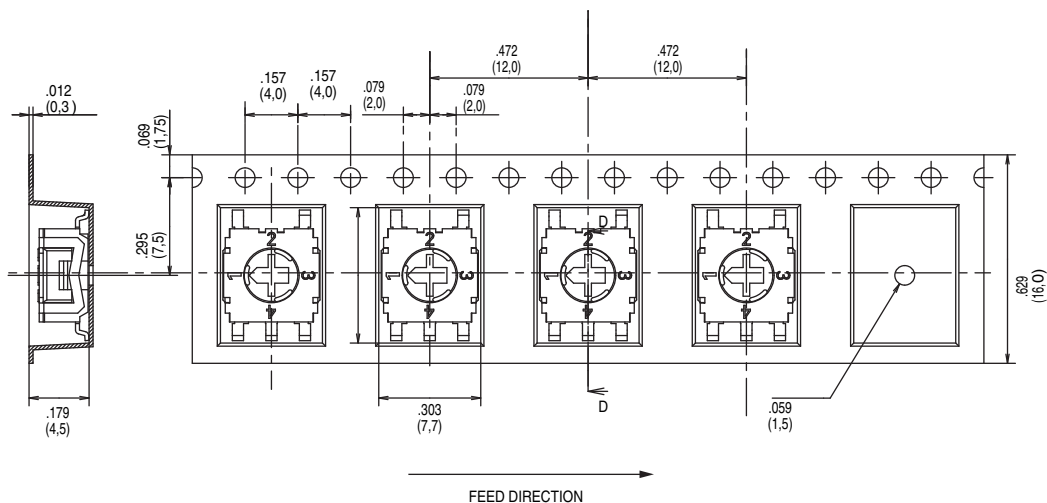


### TAPE AND REEL

Tape and reel for RTExx02Gxx  
750 pieces per reel.



Tape and reel for RTExx00Gxx  
1,250 pieces per reel.



Third Angle  
Projection

# Mouser Electronics

Authorized Distributor

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## C&K Components:

[RTE0400N04](#) [RTE1000G14](#) [RTE1000N14](#) [RTE1000V14](#) [RTE1001N14](#) [RTE1001V14](#) [RTE1600G44](#) [RTE1600N44](#)  
[RTE1600V44](#) [RTE1601N44](#) [RTE1601V44](#) [RTE1610N44](#) [RTE0400V04](#) [RTE1000V24](#) [RTE1002G14](#) [RTE1002V14](#)  
[RTE1010R14](#) [RTE1011R14](#) [RTE1012N14](#) [RTE1602V44](#) [RTE1610R44](#) [RTE1612N44](#) [RTE1000R14](#) [RTE1002N14](#)  
[RTE1600R44](#) [RTE1602N44](#) [RTE1010N14](#) [Rte1000n34](#) [Rte0400g04](#) [RTE10B0G14](#) [RTE1002R14](#) [RTE1000G34](#)  
[RTE1002M14](#) [RTE1602M44](#) [RTE1002G54](#) [RTE1602G74](#) [RTE1010N34](#) [RTE1010R34](#) [RTE1602G44](#) [RTE1000R34](#)  
[RTE0400R74](#) [RTE1002M54](#) [RTE10F0G14](#)