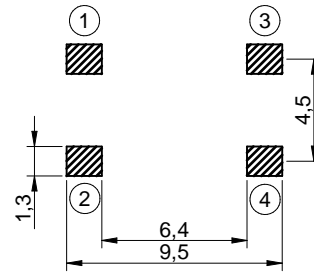
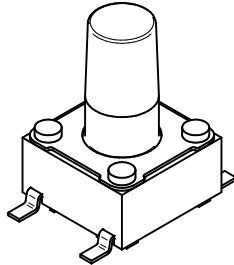
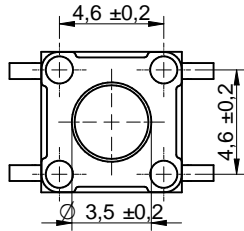
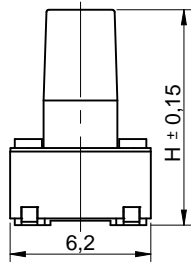
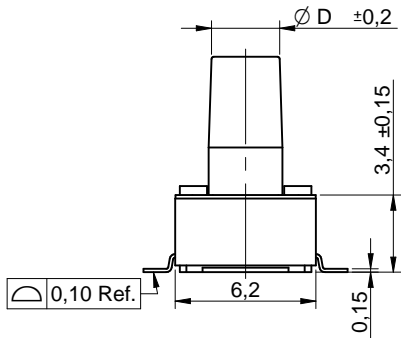
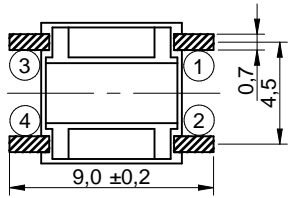


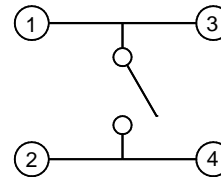


**THE DATASHEET OF**  
**430182095816**





P.C.B. MOUNTING PLAN



SCHEMATIC

**TECHNICAL CHARACTERISTICS**

**SPECIFICATION**

- >Rating: 50mA, 12VDC
- >Contact Resistance: Initial: 100mOHM max. After Life Test: 20HM max.
- >Insulation Resistance: min. 100MOHM at 500VDC
- >Dielectric Strength: 250VAC for 1 minute
- >Stroke: 0.25 ± 0.15mm
- >Bounce: 10ms max.

**MATERIAL**

- >Cover: Stainless Steel
- >Stem: LCP UL 94V-0
- >Frame: LCP UL 94V-0, color Black
- >Contact: Stainless Steel with silver
- >Terminal: Brass with silver plating

**SOLDERING INFORMATION**

- >Terminal in SMD version
- >Reflow soldering according to JEDEC J-STD 020 Hot Air
- >Hand soldering under 350°C for 3 sec. max

**ENVIRONMENTAL**

- >Storage condition: -40°C ~ +85°C
- >Operation condition: -40°C ~ +85°C
- >Compliance: Lead Free, ROHS, Reach

**PACKAGING INFORMATION**

>Tape & Reel

| PN              | Force       | Color of Stem | Life cycle | -043 |     | -050 |     | -070 |     | -080 |     | -095 |     | -130 |     |
|-----------------|-------------|---------------|------------|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
|                 |             |               |            | H    | Ø D | H    | Ø D | H    | Ø D | H    | Ø D | H    | Ø D | H    | Ø D |
| 430 182 xxx 816 | 160g ± 50gf | Black         | 1.000.000  | 4.3  | 3.5 | 5.0  | 3.5 | 7.0  | 3.0 | 8.0  | 3.0 | 9.5  | 3.0 | 13.0 | 3.0 |
| 430 152 xxx 826 | 260g ± 50gf | White         | 200.000    |      |     |      |     |      |     |      |     |      |     |      |     |
| 430 152 xxx 836 | 360g ± 50gf | Salmon        | 200.000    |      |     |      |     |      |     |      |     |      |     |      |     |

Scale - 3:1

This electronic component is designed and developed with the intention for use in general electronics equipments.

Before incorporating the components into any equipments in the field such as aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc. where higher safety and reliability are especially required or if there is possibility of direct damage or injury to human body, Würth Elektronik must be asked for a written approval.

In addition, even electronic component in general electronic equipments, when used in electrical circuits that require high safety, reliability functions or performance, the sufficient reliability evaluation-check for the safety must be performed before by the user before usage.

|     |                         |          |     |  |                  |                |                        |          |  |      |
|-----|-------------------------|----------|-----|--|------------------|----------------|------------------------|----------|--|------|
|     |                         |          |     | <b>GENERAL TOLERANCE</b><br>.x = +/- 0,2<br>.xx = +/- 0,15 |                  | Basic material |                        |          |  |      |
|     |                         |          |     | Date   | Name             | DESCRIPTION    |                        |          |  |      |
|     |                         |          |     | Drawn  | 09-09-15         | Jelisarow      |                        |          |  |      |
| e   | remove Contact cladding | 14-10-30 | DaF | Checked  | 09-09-15         | Hsu            |                        |          |  |      |
| d   | revised MatchCode       | 14-07-24 | AL  |  |                  |                |                        |          |  |      |
| c   | Bounce 10ms max.        | 14-04-11 | DaF | Würth Elektronik<br>eiCan                                  |                  | Scale          | 3:1                    | Position |  | SIZE |
| b   | new values in chart     | 12-09-13 | WJ  |  |                  |                |                        |          |  |      |
| a   | warning text            | 11-10-28 | WJ  |  |                  |                |                        |          |  |      |
| REV | FILE                    | DATE     | BY  | EDV NO   | 4301x2xxx8x6.dft |                | System :Solid Edge V20 |          |  |      |

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

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 [Wurth Electronics Inc](#) Information

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