

2 mm Size Slide Switches  
for Reflow Soldering

Japan

Type: **ESD16**

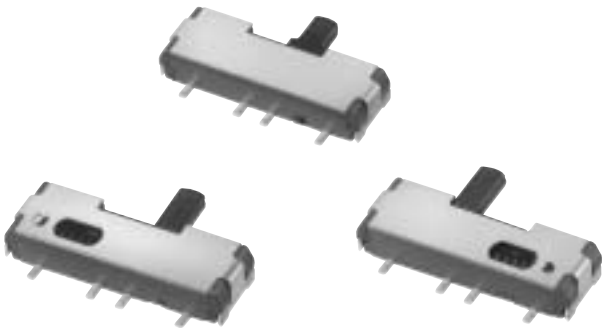
Self-returning and SMD type

■ Features

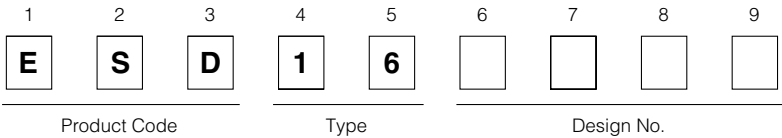
- Dual application: detent and self-returning type
- Available for reflow soldering
- Available for automatic mounting

■ Recommended Applications

- Signal switches for Cordless Telephones
- Power switches for Digital Still Cameras and Notebook Personal Computers



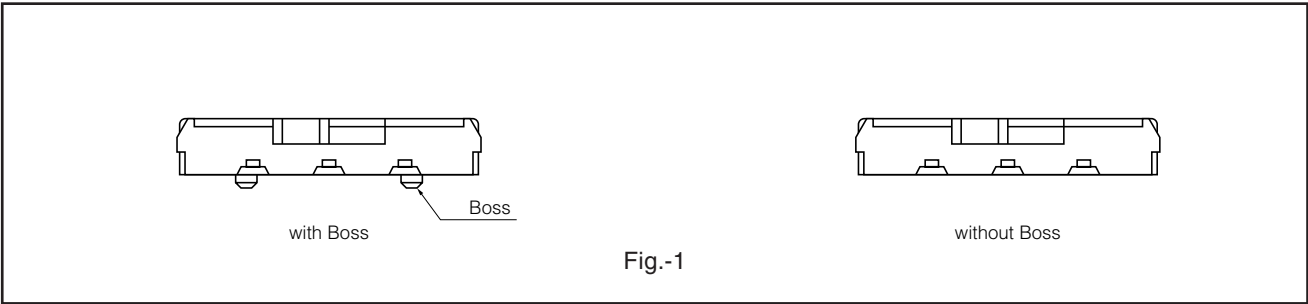
■ Explanation of Part Numbers



■ Standard Types and Part Numbers

| Packaging Style | Boss                   |              | with Boss |           | without Boss |           |
|-----------------|------------------------|--------------|-----------|-----------|--------------|-----------|
|                 | Type                   | Lever length | 2.0 mm    | 2.5 mm    | 2.0 mm       | 2.5 mm    |
| Embossed Taping | with Detent            |              | ESD165205 | ESD165206 | ESD165207    | ESD165208 |
|                 | Self-returning (Right) |              | ESD165225 | ESD165226 | ESD165227    | ESD165228 |
|                 | Self-returning (Left)  |              | ESD165235 | ESD165236 | ESD165237    | ESD165238 |
| Bulk Packaging  | with Detent            |              | ESD165255 | ESD165256 | ESD165257    | ESD165258 |
|                 | Self-returning (Right) |              | ESD165275 | ESD165276 | ESD165277    | ESD165278 |
|                 | Self-returning (Left)  |              | ESD165285 | ESD165286 | ESD165287    | ESD165288 |

Note: With/without Boss, See Fig.-1



## ■ Major Specifications

| Major Specifications          |                                 |                |
|-------------------------------|---------------------------------|----------------|
| Types                         | with Detent                     | Self-returning |
| Lever Position                | Horizontal                      |                |
| Rating                        | 50 $\mu$ A 3 Vdc to 0.2 A 5 Vdc |                |
| Travel                        | 2.0 mm                          | 2.7 mm         |
| Poles & Throws                | 1-pole 2-throws                 |                |
| Switching Mode                | Non-shorting                    |                |
| Lever Length                  | 2 mm, 2.5mm                     |                |
| Minimum Quantity/Packing Unit | 2000 pcs. (Reel Pack)           |                |
| Quantity/Carton               | 4000 pcs.                       |                |

■ Dimensions in mm (not to scale)

|                                       |                                                    |  |                        |
|---------------------------------------|----------------------------------------------------|--|------------------------|
| No. 1                                 | Registered by EIAJ-SMD Outline Registration System |  | <p>Circuit diagram</p> |
| Part Number<br>ESD165205<br>ESD165206 | Lever length<br>2.0<br>2.5                         |  | <p>Circuit diagram</p> |
| No. 2                                 | Registered by EIAJ-SMD Outline Registration System |  | <p>Circuit diagram</p> |
| No. 3                                 | Registered by EIAJ-SMD Outline Registration System |  | <p>Circuit diagram</p> |
| Part Number<br>ESD165225<br>ESD165226 | Lever length<br>2.0<br>2.5                         |  | <p>Circuit diagram</p> |
| Part Number<br>ESD165235<br>ESD165236 | Lever length<br>2.0<br>2.5                         |  | <p>Circuit diagram</p> |
| Part Number<br>ESD165205<br>ESD165206 | Lever length<br>2.0<br>2.5                         |  | <p>Circuit diagram</p> |
| Part Number<br>ESD165225<br>ESD165226 | Lever length<br>2.0<br>2.5                         |  | <p>Circuit diagram</p> |
| Part Number<br>ESD165205<br>ESD165206 | Lever length<br>2.0<br>2.5                         |  | <p>Circuit diagram</p> |
| Part Number<br>ESD165225<br>ESD165226 | Lever length<br>2.0<br>2.5                         |  | <p>Circuit diagram</p> |
| Part Number<br>ESD165205<br>ESD165206 | Lever length<br>2.0<br>2.5                         |  | <p>Circuit diagram</p> |
| Part Number<br>ESD165225<br>ESD165226 | Lever length<br>2.0<br>2.5                         |  |                        |

## ■ Packaging Specifications

Standard Reel Dimensions in mm (not to scale)

**Taping Reel**

Technical drawing showing the dimensions of a Taping Reel. The main dimensions are:

- Outer Diameter:  $\phi 330.0 \pm 2.0$
- Inner Diameter (Hole):  $24.4$
- Thickness:  $2.0$

**Embossed Carrier Taping**

Technical drawing showing the dimensions of an Embossed Carrier Taping. The main dimensions are:

- Pitch:  $P = 12.0 \pm 0.1$
- Width:  $24.0 \pm 0.3$
- Thickness:  $1.75 \pm 0.10$
- Hole Diameter:  $\phi 1.5 \pm 0.1$
- Distance from Edge to Hole:  $4.0 \pm 0.1$
- Distance from Edge to Hole (Alternative):  $2.0 \pm 0.1$

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.