



## EHS SERIES HALF PITCH SMT TYPE, THE LOWEST PROFILE DIP SWITCH



**EHS 1.27mm PITCH**



**EHS J-Hook Type**

### ■ FEATURES

- Standard 0.05" integrated circuit pitch
- Smaller size makes better heat convection during PC board soldering
- Top tape sealed to withstand soldering, board washing
- All plastics are UL 94V-0 grade fire retardant
- Gold plated contact to ensure low contact resistance and long mechanical life
- RoHS Compliant
- Halogen Free series available

### ■ APPLICATIONS

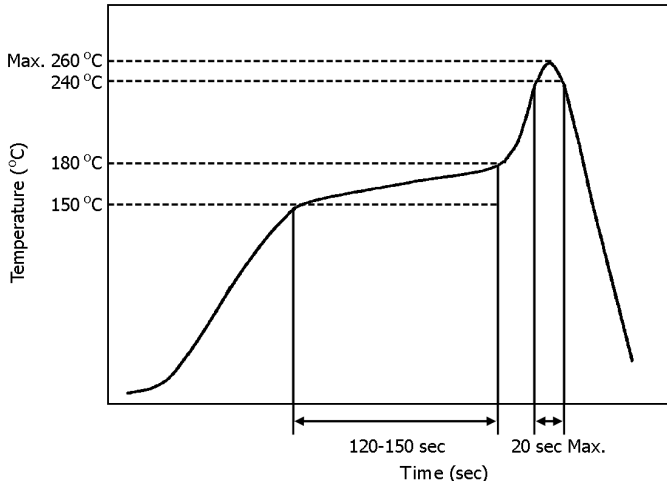
- Hand-held electronic devices, such as PDA, MP3, radios
- Portable computer and electronic devices, such as notebook, computers
- Instrumentation and industrial control products, such as CDRom, coin changers

### ■ SPECIFICATIONS

#### 1.ELECTRICAL

|                                                  |               |                            |
|--------------------------------------------------|---------------|----------------------------|
| ● Contact rating                                 | switching     | 25mA, 24VDC                |
|                                                  | non-switching | 100mA                      |
| ● Contact resistance(Initial)                    |               | 100mΩ Max.                 |
| ● Insulation resistance                          |               | 500MΩ Min. at 100VDC       |
| ● Dielectric strength                            |               | 300VAC Min. for 60 seconds |
| ● Capacitance between adjacent switches 5pF Max. |               |                            |

## 2.MECHANICAL and ENVIRONMENTAL

|                                                        |           |                                                                                                                                                     |
|--------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| ● Temperature rating                                   | operation | -40°C to +85°C                                                                                                                                      |
|                                                        | storage   | -40°C to +85°C                                                                                                                                      |
| ● Operation force                                      |           | 800g Max.                                                                                                                                           |
| ● Mechanical life                                      |           | 1000 operations                                                                                                                                     |
| ● Humidity                                             |           | 95% RH, 40°C for 96Hrs.                                                                                                                             |
| ● Vibration                                            |           | 10Hz-55Hz-10Hz for 6Hrs.                                                                                                                            |
| ● Reflow soldering heart for SMT type (reference only) |           | 240°C for 20 seconds or less, peak temperature 260°C or less<br> |

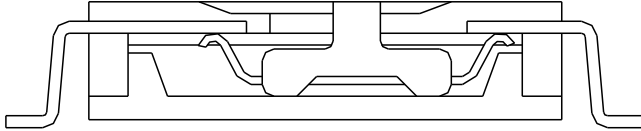
## ■ PART NUMBERING SYSTEM

The diagram illustrates the EHS Part Numbering System with a sample part number **EHS 1 06 XX XX J X** and its corresponding components:

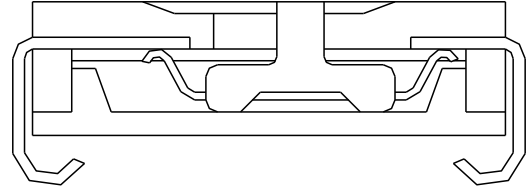
- EHS**: Series Name: EHS: Half Pitch SMT Type
- 1**: Contact Form: SPST
- 06**: Number of Positions: 2,4,6,8,10
- XX**: Sealing:
  - L : Low Profile Actuator
  - LT : Top Tape Sealed & Low Profile Actuator
  - LC : Tape & Reel Package, Product without Top Tape Sealed
  - LD : Tape & Reel Package, Product with Top Tape Sealed
- XX**: Special Number
- J**: J-Hook Type
- X**: Blank: RoHS Compliant  
H: Halogen Free series

## CONSTRUCTION

### EHS



### EHS J TYPE



## OPTIONS

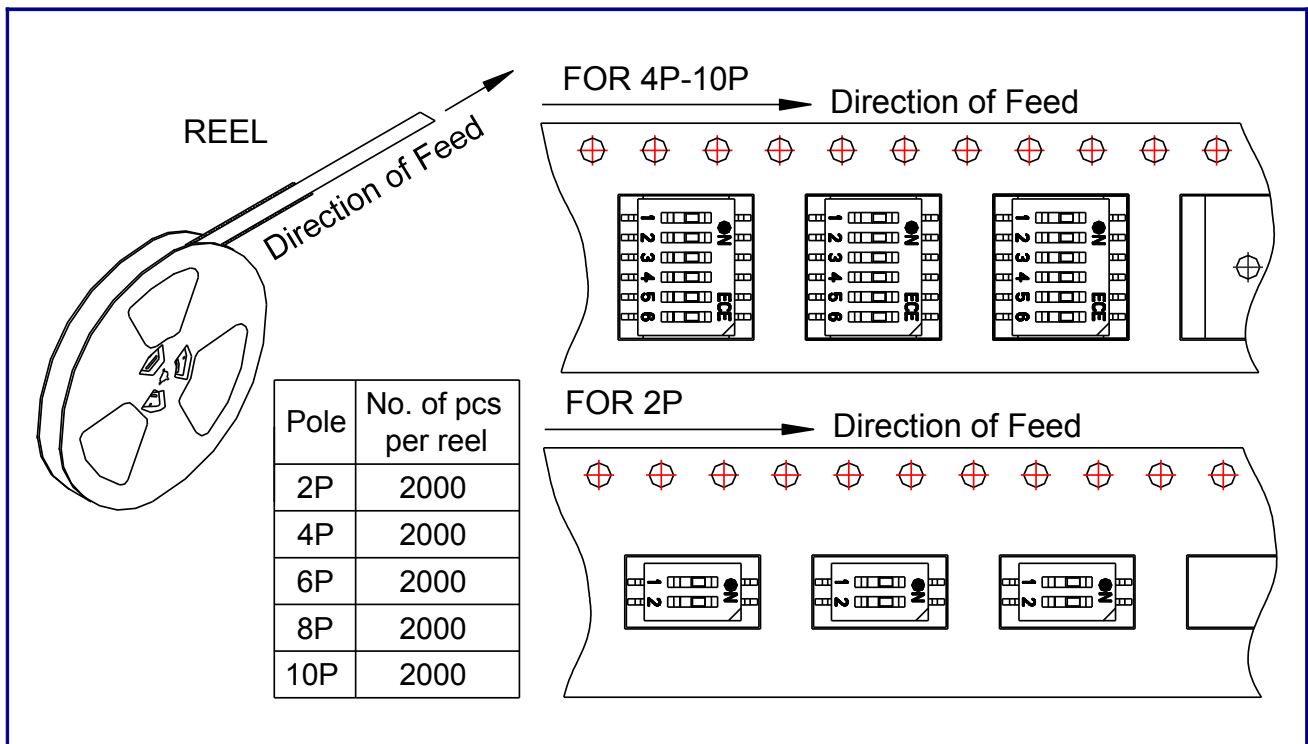
1.Special marking and case color available

2.Top Tape Sealed



## PACKAGING

1.Tape & Reel Packaging (Per EIA STANDARD)



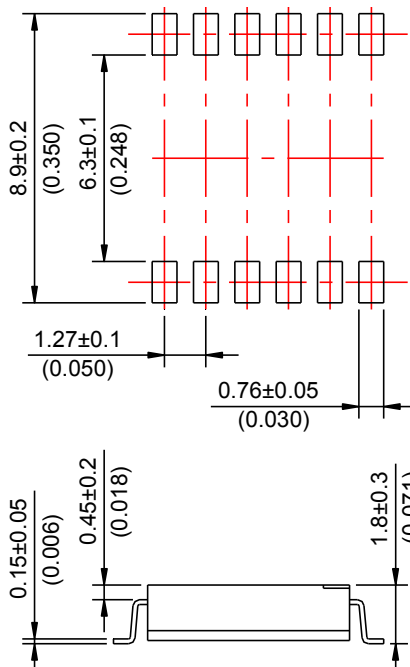
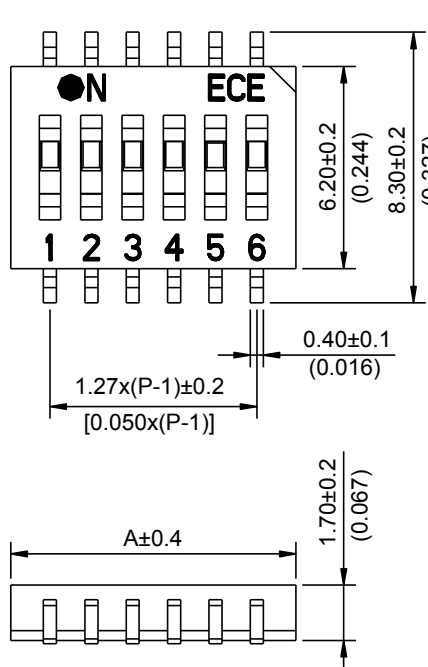
## DIMENSIONS AND CIRCUITRY

EHS SERIES 1.27mm PITCH

UNIT:mm(inch)

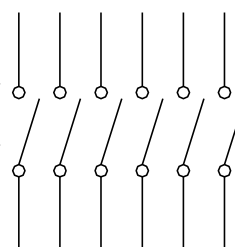
P.C.B. LAYOUT  
(TOP VIEW)

DIMENSION A



| Positions | A                |
|-----------|------------------|
| 2         | 3.70<br>(0.146)  |
| 4         | 6.20<br>(0.244)  |
| 6         | 8.75<br>(0.344)  |
| 8         | 11.30<br>(0.445) |
| 10        | 13.80<br>(0.543) |

CIRCUIT DIAGRAM

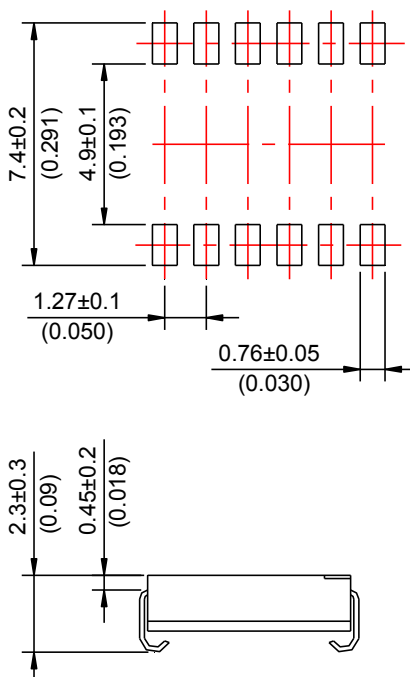
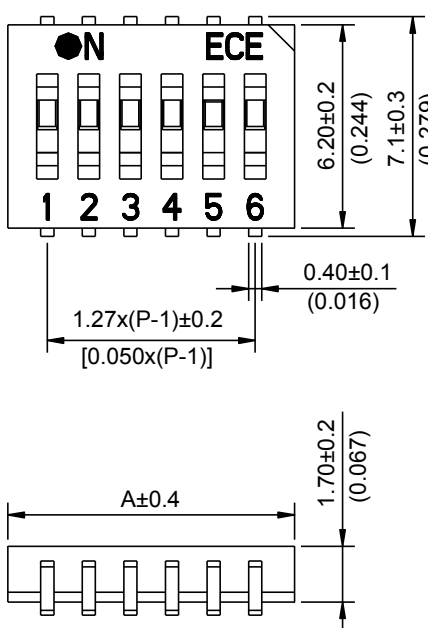


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