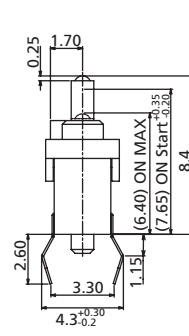
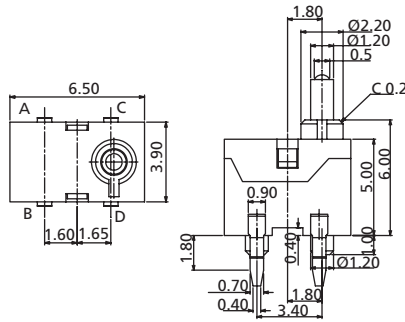


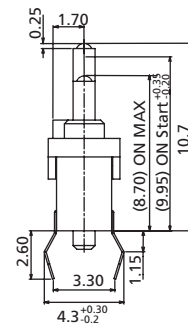
# Detector Switches

## Vertical Type Detector Switches

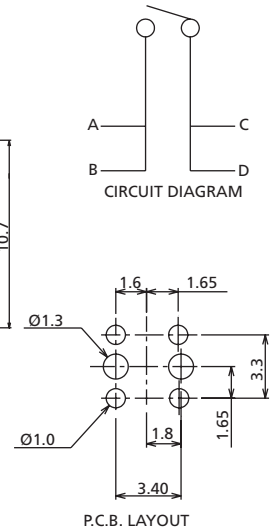
## DF1 Series



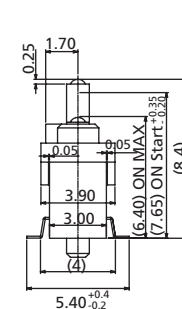
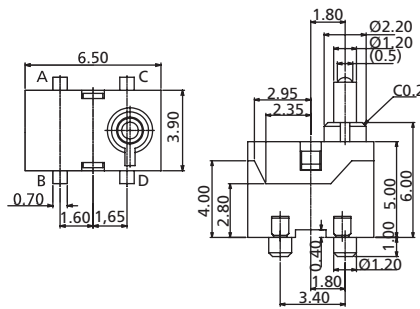
**DF1HNA**  
Standard Actuator



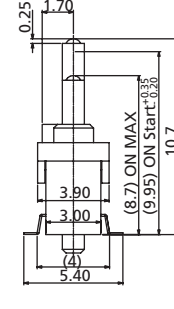
**DF1HHA**  
High Actuator



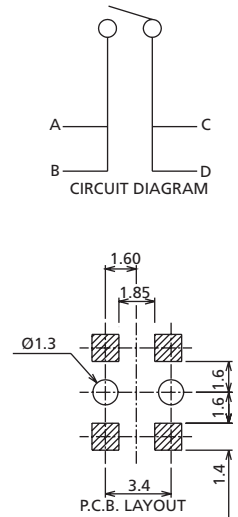
### DF1H Thru Hole Type Terminals



**DF1SNA**  
Standard Actuator



**DF1SHA**  
High Actuator



### DF1S Surface Mounting Type Terminals

### How to order:

DF1 1 2 3

#### 1 TYPE OF TERMINALS:

- H Thru Hole Type
- S Surface Mounting Type

#### 2 ACTUATOR TYPE:

- NA Standard Actuator
- HA High Actuator

#### 3 PACKAGE STYLE:

- TB Tube
- TR Tape & Reel (DF1S Only)

### General Specifications:

#### FEATURES

- » Compact detector switch with smooth switching action

#### MATERIALS

- » Contact: Stainless steel with silver cladding
- » Terminal: Phosphor bronze with silver plated

#### MECHANICAL

- » Operation Force: 30 gf max.
- » Stroke: 2 mm
- » Operation Temperature: -20°C to +70°C
- » Storage Temperature: -30°C to +80°C

#### ELECTRICAL

- » Electrical Life: 50,000 cycles
- » Rating: 5mA, 5VDC
- » Contact Arrangement: 1 pole 1 throw

#### LEADFREE SOLDERING PROCESSES

- » Wave Soldering: Recommended solder temperature at 260°C max.
- » Reflow Soldering: When applying reflow soldering, the peak temperature or the reflow oven should be set to 260°C 10 seconds max.

General Tolerance: ± 0.2 mm