

# ***EPM/EPG/EPS SERIES***

EDGE ACTUATED TYPE



PATENT NO.: 29197  
24553  
153160



## **FEATURES**

- Edge actuated type (Piano Type) easy setting on closely racked PCB.
- Tactile response is performed directly by larger contact pressure to ensure stable contact.
- All plastics are UL 94V-0 grade fire retardant.
- Bottom epoxy sealed standard to ensure free of flux immersion during wave soldering.
- Contact wiping on make and break.
- Gold plated or silver plated contacts to ensure low contact resistance and long operation life.
- Ideal for data processing, communications, remote controls and burglar alarm system use, where manual programming required.

## **SPECIFICATIONS**

### **1. ELECTRICAL**

Contact rating	
switching	25 mA, 24 VDC
non-switching	100 mA, 50 VDC
Contact resistance	
initial	50 m $\square$ Max.
after life test	100 m $\square$ Max.
Insulation resistance	1000 M $\square$ Min. at 100 VDC
Dielectric strength	500 VDC Min. for 60 seconds
Capacitance between adjacent switches 5 pF Max.	

### **2. MECHANICAL**

Temperature rating	
operating	-25 $\square$ to + 70 $\square$
storage	-40 $\square$ to + 85 $\square$
Operation force	800g Max.

Mechanical life	2000 operations
Humidity	95%RH, 40█ for 96 Hrs.
Vibration	Per MIL-STD-202F, method 204D
Solderability	after flux 230█5█ for 5█0.5 seconds, 95% coverage
Resistance to soldering heat	260█5█ for 5█1 seconds

## PART NUMBERING SYSTEM

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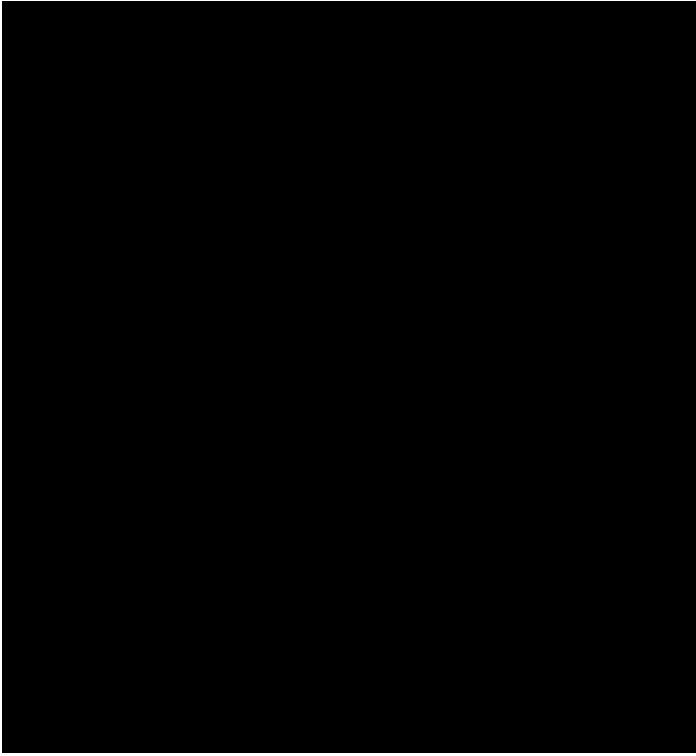
EPM 1 08 1 1 00
|   |   |   |   |
|   |   |   |   | +--- 00: Row Special 7.62mm
|   |   |   |   | +--- Sealing: 1:Non Top Tape Sealed
|   |   |   |   |         2:Top Tape Sealed
|   |   |   |   | +--- Actuator and ON position (For Position 1):
|   |   |   |   |     1:Extended Actuator and Top Side "OFF"
|   |   |   |   |     2:Extended Actuator and Top Side "ON"
|   |   |   |   |     3:Low Profile Actuator and Top Side "OFF"
|   |   |   |   |     4:Low Profile Actuator and Top Side "ON"
|   |   |   |   | +--- Number of Positions: 2,3,4,5,6,7,8,9,10,12
|   |   |   |   | +--- Contact Forms: SPST
+--- Series Name: EPM:Piano type
    
```

```

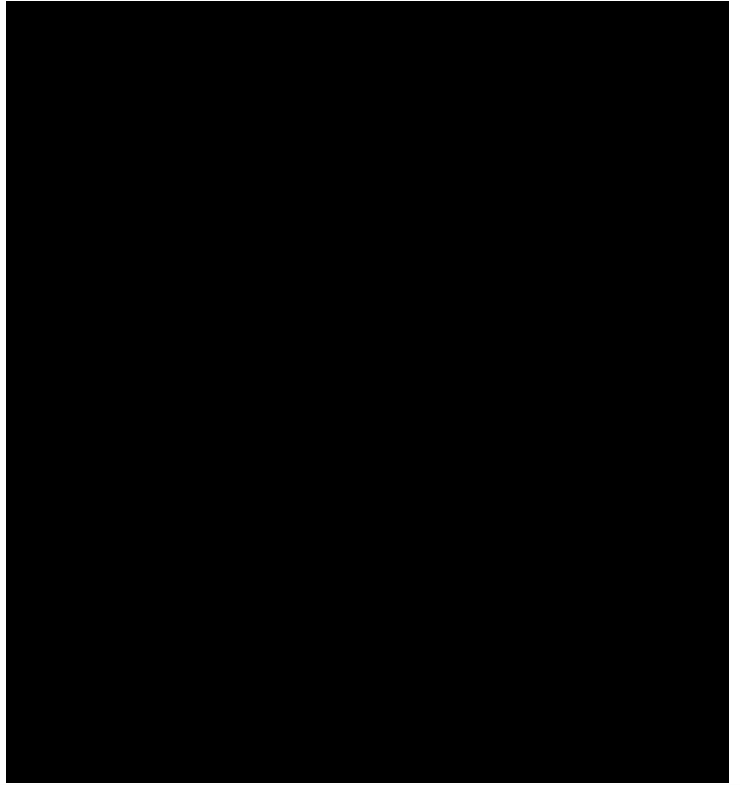
EPG 1 08 A
|   |   |   |
|   |   |   | +--- Actuator Sealing (For Position 1):
|   |   |   |     A:Top Side"OFF"
|   |   |   |     B:Top Side"ON"
|   |   |   |     AT:Top Side "OFF" and Tape Sealed
|   |   |   |     BT:Top Side "ON" and Tape Sealed
|   |   |   | +--- Number of Positions: As Dimensions and Circuitry
|   |   |   | +--- Contact Forms: 1.SPST  2.DPST  3.SPDT
|   |   |   |         4.3PST  5.4PST  6.DPDT
+--- Series Name: EPG:Edge Actuated Type
                    (Gold Plated Contacts)
                    EPS:Edge Actuated Type
                    (Silver Plated Contacts)
    
```

## CONSTRUCTION

## EPM

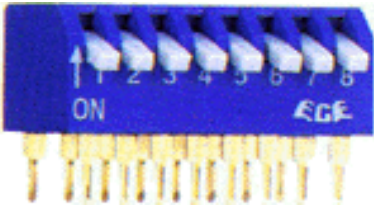


## EPG/EPS

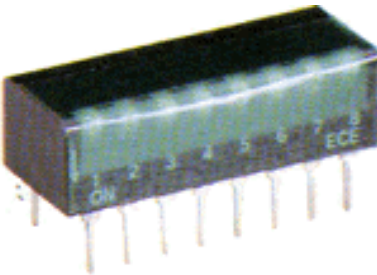


## OPTIONS

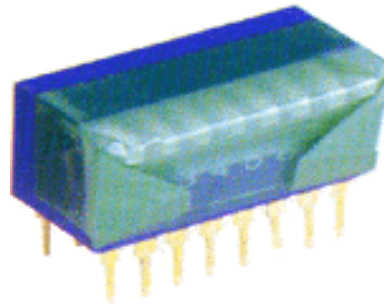
1. Special top or side marking available
2. Blue or black body color
3. Normal "ON" (top side "ON") available



4. Tape sealed  
EPMxxx3200 (Low Profile only)  
EPMxxx4200 (Low Profile only)

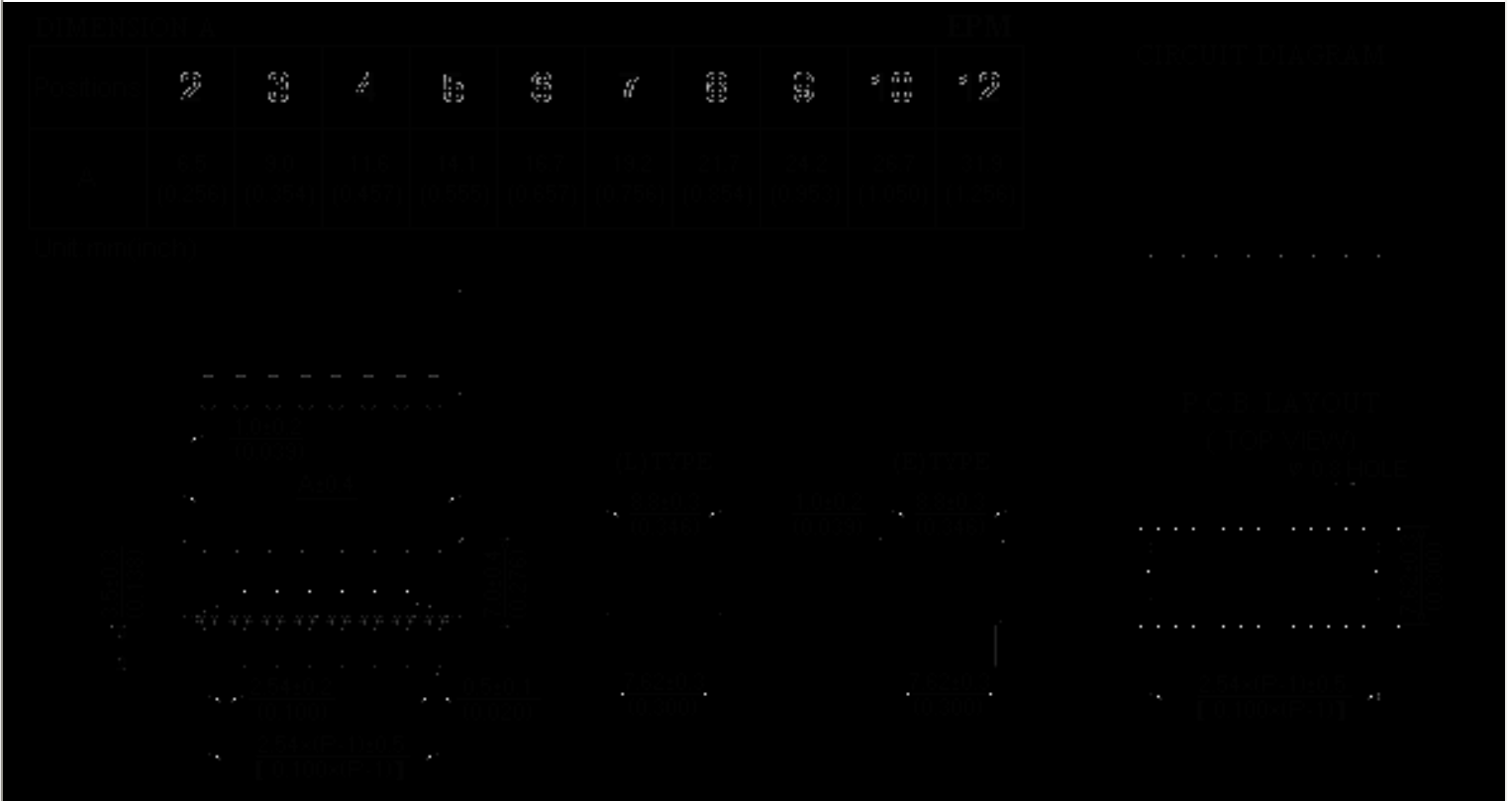


EPGxxxxT

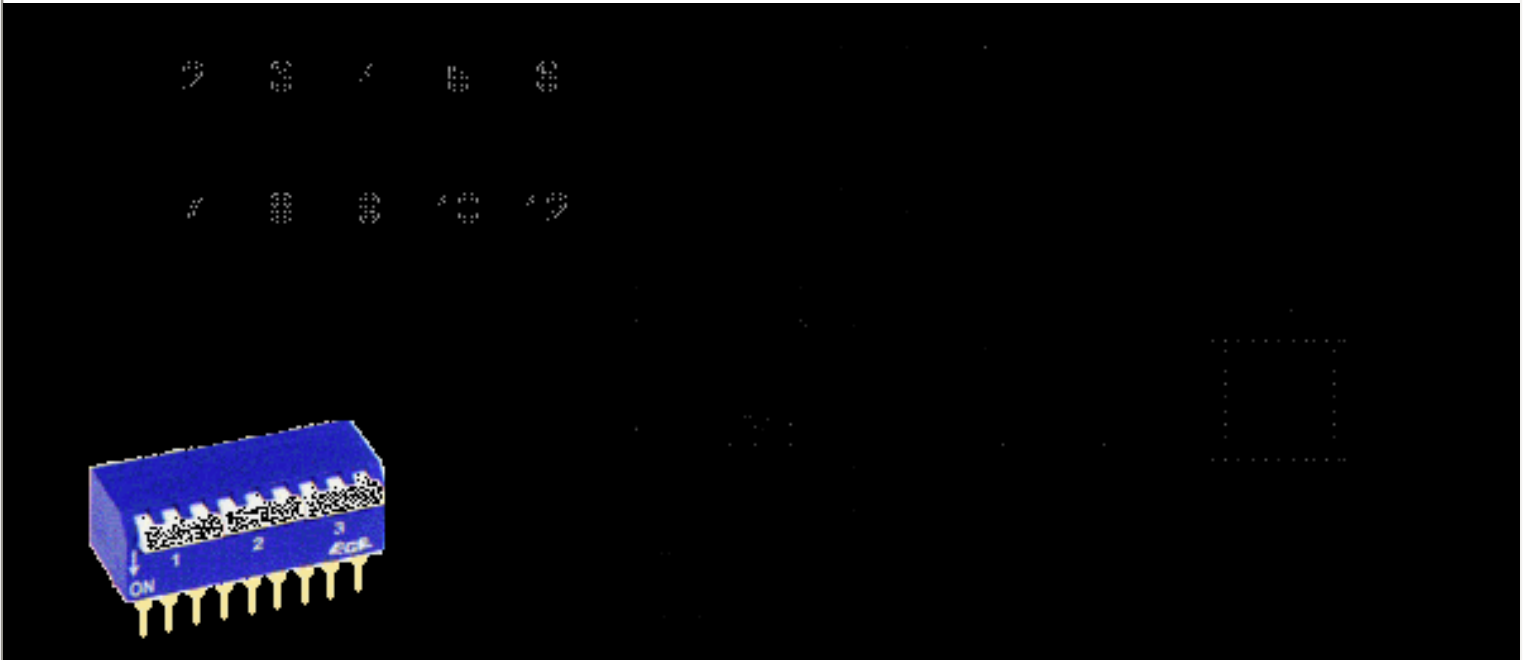


## DIMENSIONS AND CIRCUITRY (UNIT: mm)

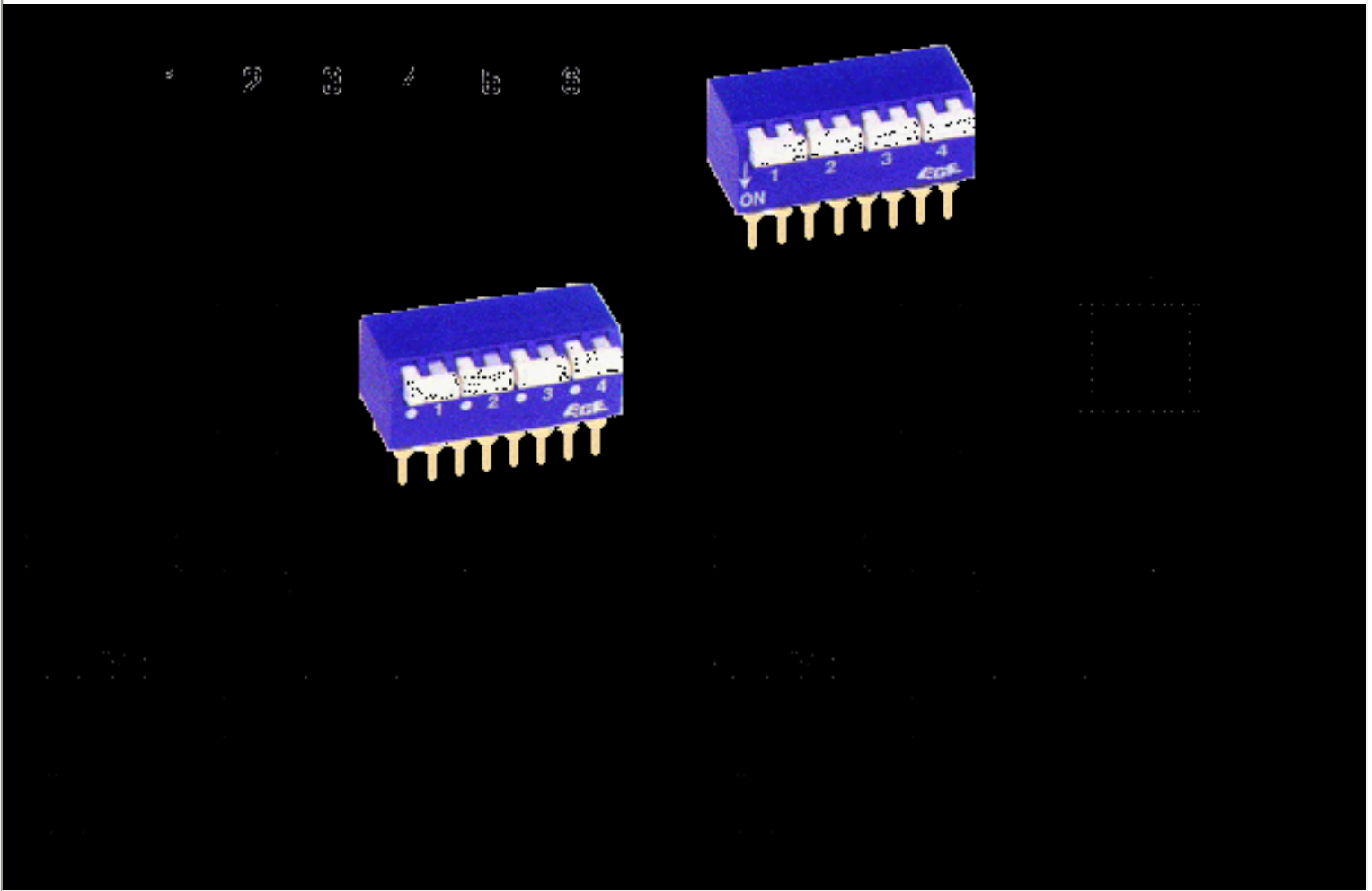
## EPM



## EPG/EPS SPST



## EPG/EPS DPST.SPDT



## EPG/EPS 3PST



## EPG/EPS 4PST.DPDT

