

**EPH/EPG/EPS SERIES  
EDGE ACTUATED TYPE**



**EPH**  
**Housing Height 5mm Only!!**

**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 to ensure free of flux immersion during wave soldering.
- Contact wiping on make and break.
- Gold, Silver, or Tin 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.

**APPLICATIONS**

- Numerical setting for computer terminal equipment
- Price setting for vending machines
- Programming for game machines
- Programming for industrial equipment and measuring instruments

**SPECIFICATIONS**

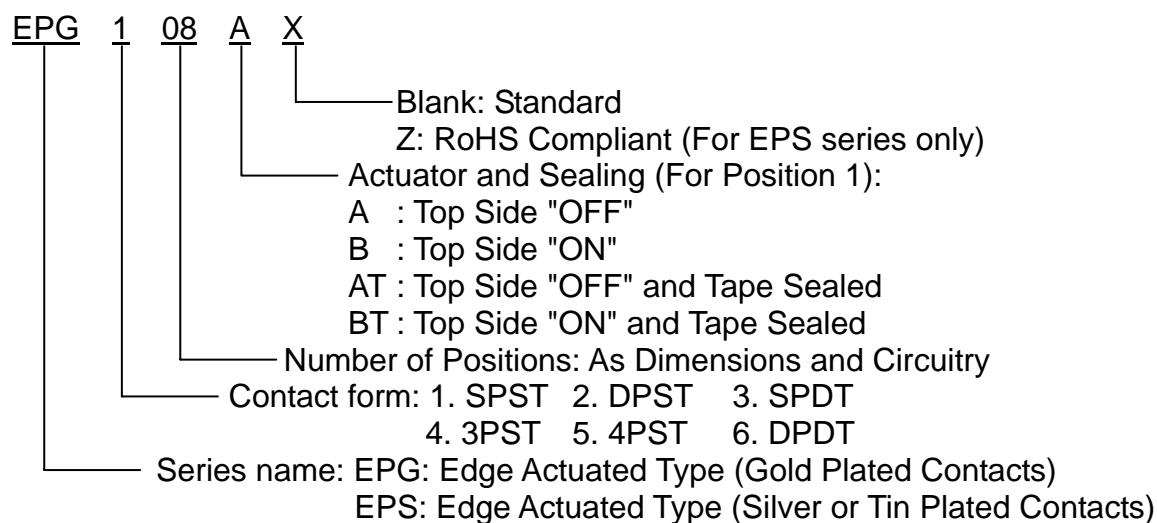
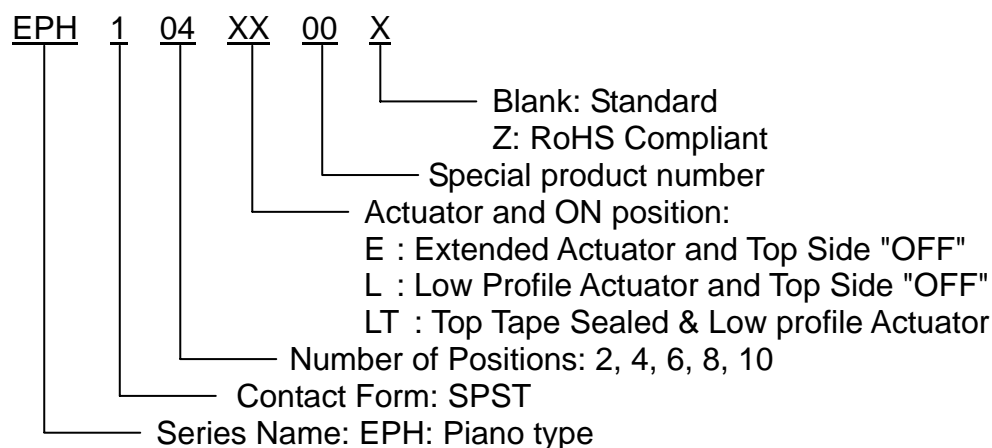
**1.ELECTRICAL**

● Contact rating	
Switching	25mA, 24VDC
Non-switching	100mA
● Contact resistance (After life test)	100mΩ Max.
● Insulation resistance	1000MΩ Min. at 100VDC
● Dielectric strength	500VDC Min. for 60seconds
● Leakage Current	2mA Max.
● Capacitance between adjacent switches	5pF Max.

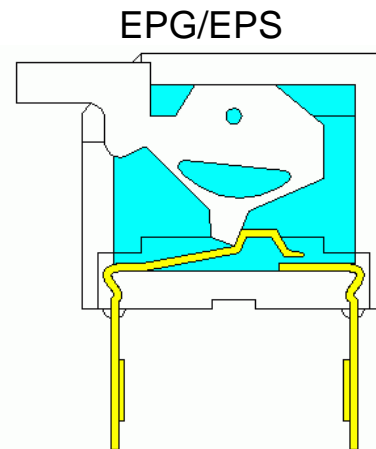
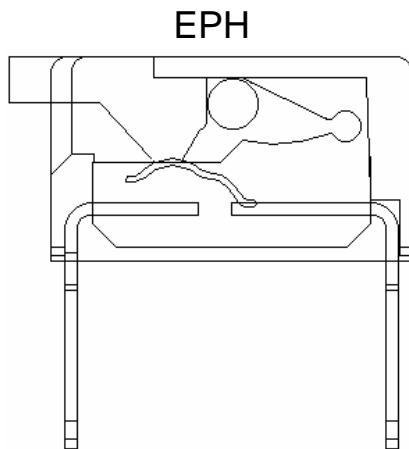
## 2.MECHANICAL AND ENVIRONMENTAL

● Temperature rating	
Operating	-25°C to +70°C
Storage	-40°C to +85°C
● Operation force	800g Max.
● Mechanical life	1000 operations
● Humidity	95% RH, 40°C for 96 Hrs.
● Vibration	10 to 55 Hz for 6 Hrs.
● Solderability	After flux 230±5°C for 5±0.5 seconds, 95% coverage
● Soldering heat	After 260±5°C for 5±1 sec. shall have no deterioration

## ■ PART NUMBERING SYSTEM

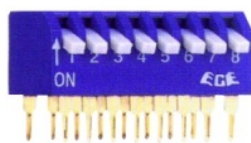


## CONSTRUCTION



## OPTIONS

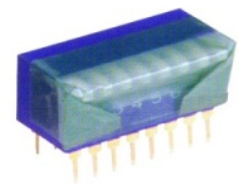
1. Special top or side marking available
2. Blue or black body color
3. Normal "ON" (top side "ON") available



EPHxxxLT



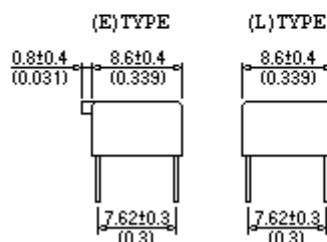
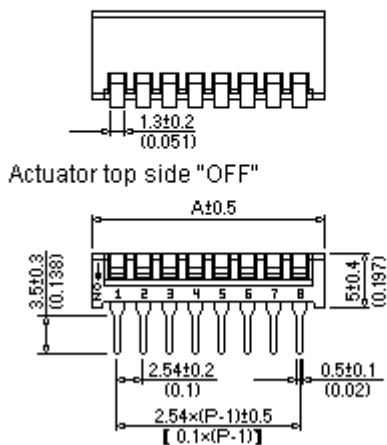
EPGxxxxT



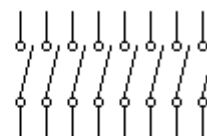
## DIMENSIONS AND CIRCUITRY

DIMENSION A		EPH				
Positions	2	4	6	8	10	
A	6.5 (0.256)	11.6 (0.457)	16.7 (0.657)	21.7 (0.854)	26.7 (1.051)	

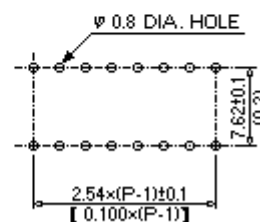
Unit:mm(inch)



CIRCUIT DIAGRAM



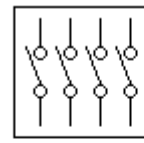
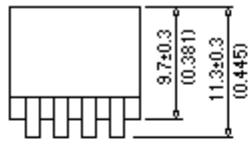
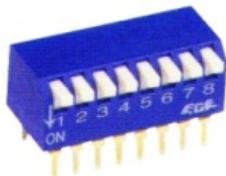
P.C.B. LAYOUT (TOP VIEW)



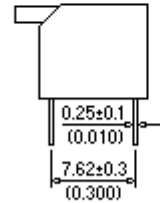
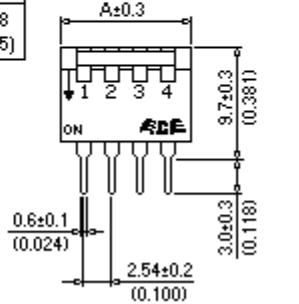
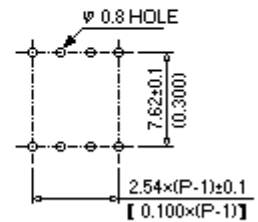
### DIMENSION A EPG/EPS SPST

Positions	2	3	4	5	6
A	6.7 (0.264)	9.2 (0.362)	11.7 (0.461)	14.2 (0.559)	16.7 (0.657)
Positions	7	8	9	10	12
A	19.2 (0.756)	21.7 (0.854)	24.4 (0.953)	26.7 (1.05)	31.8 (1.25)

Unit:mm(inch)



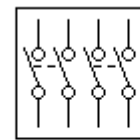
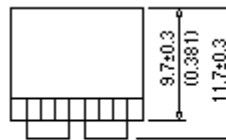
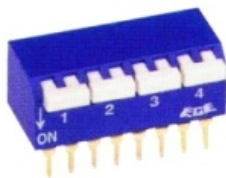
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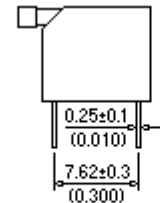
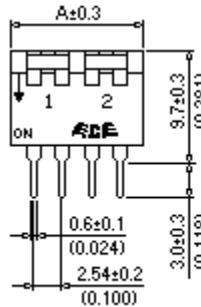
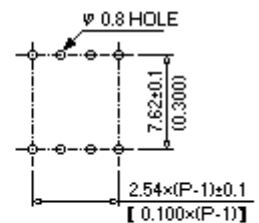
### DIMENSION A EPG/EPS DPST

Positions	1	2	3	4	5	6
A	6.7 (0.264)	11.7 (0.461)	16.7 (0.657)	21.7 (0.854)	26.7 (1.05)	31.8 (1.25)

Unit:mm(inch)



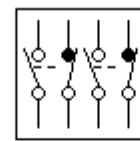
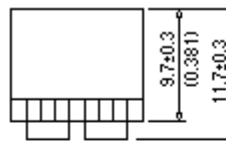
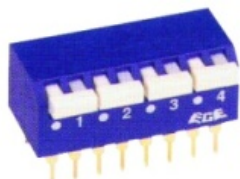
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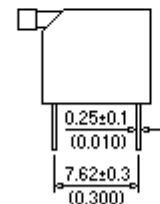
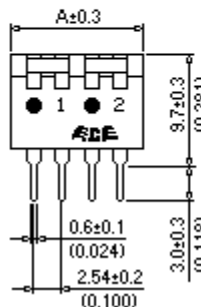
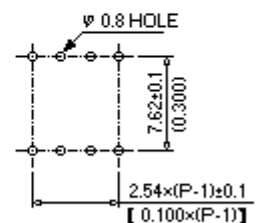
### DIMENSION A EPG/EPS SPDT

Positions	1	2	3	4	5	6
A	6.7 (0.264)	11.7 (0.461)	16.7 (0.657)	21.7 (0.854)	26.7 (1.05)	31.8 (1.25)

Unit:mm(inch)



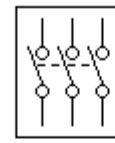
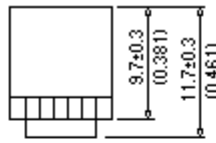
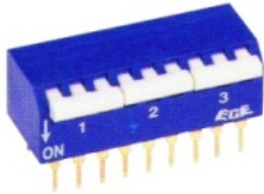
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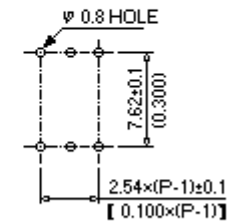
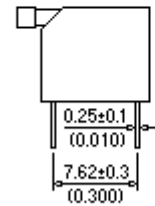
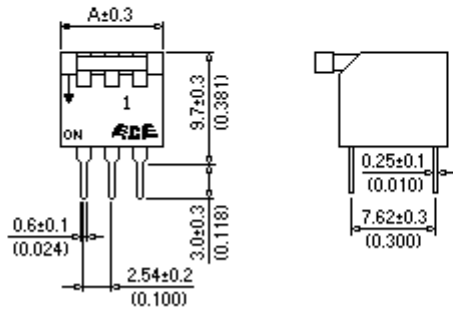
### DIMENSION A EPG/EPS 3PST

Positions	1	2	3	4
A	9.2 (0.362)	16.7 (0.657)	24.2 (0.953)	31.8 (1.25)

Unit:mm(inch)



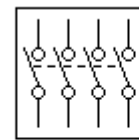
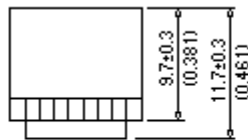
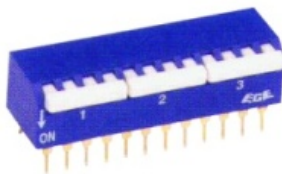
P.C.B. LAYOUT  
( TOP VIEW)



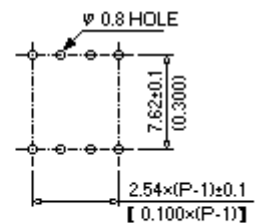
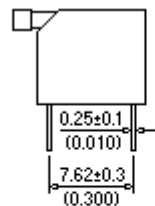
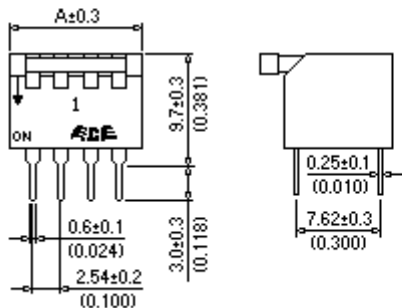
### DIMENSION A EPG/EPS 4PST

Positions	1	2	3
A	11.7 (0.461)	21.7 (0.854)	31.8 (1.25)

Unit:mm(inch)



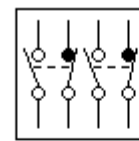
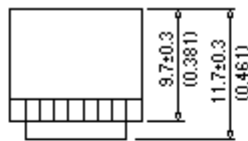
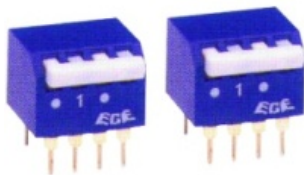
P.C.B. LAYOUT  
( TOP VIEW)



### DIMENSION A EPG/EPS DPDT

Positions	1	2	3
A	11.7 (0.461)	21.7 (0.854)	31.8 (1.25)

Unit:mm(inch)



P.C.B. LAYOUT  
( TOP VIEW)

