



## EARPHONE JACKS EPJ0 SERIES

### ■ FEATURES

- Compact design
- Accept an earphone/microphone combination with a remote transmission/reception function for successful hand-free operation
- All materials are UL 94V-0 grade fire retardant plastics

### ■ APPLICATIONS

- Ideal for cellular phones, PDA equipments, MP3, Handsfree appliance, Translator digital cameras, etc..

### ■ SPECIFICATIONS

- Contact rating: 12 VDC, 1A
- Temperature rating:  
Operating temperature range: -20°C~+70°C  
Storage temperature range: -25°C~+75°C (below 85%RH)

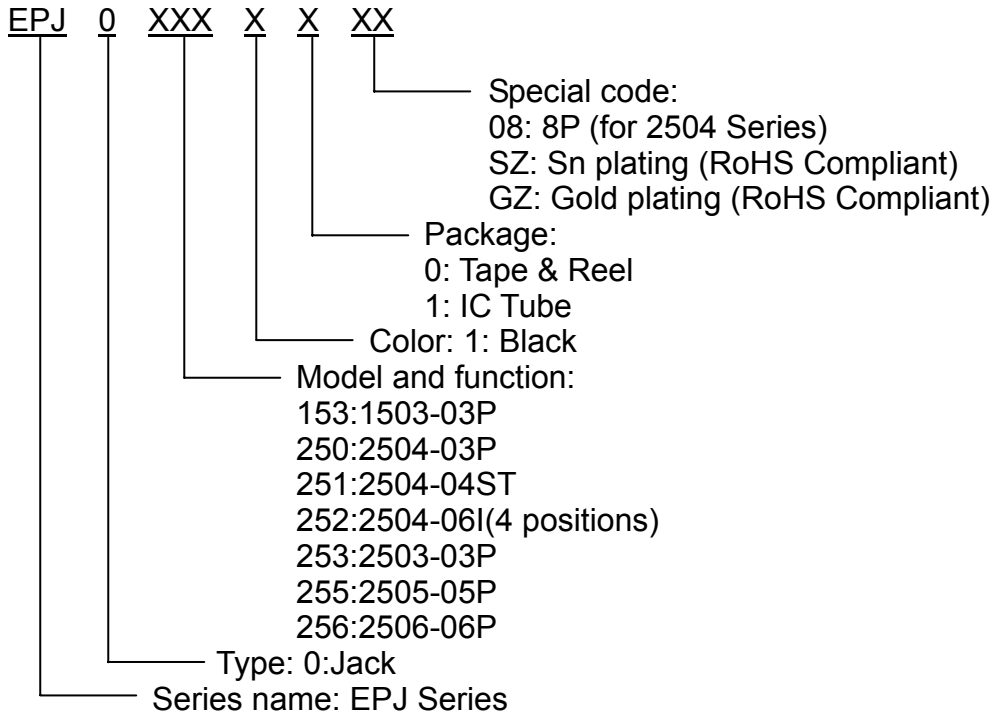
#### 1. ELECTRICAL

No.	Test description	Requirement	Test method
1	Insulation resistance	100MΩ min.	(1)Test voltage: 250±10VDC (2)Point: Between open contact.
2	Dielectric strength	No disruptive discharge Leakage current: 2mA max.	(1)Test voltage: 250VAC (2)Duration: 60 sec. (3)Point: Between open contact.
3	Contact resistance	Initial: 30MΩ max. After life: 100MΩ max.	(1)Test voltage: 20mV (2)Test current: 1mA

#### 2. MECHANICAL

No.	Test description	Requirement	Test method
1	Mating/unmating force	0.3~3.0Kgf (3~30N) Max.	To measure necessary for plug and jack mating/unmating
2	Terminal strength	Any outstanding damage shall not be found. Bend of terminal is acceptable.	Test condition: 0.5kgf(5N) 10sec.
3	Contact strength	The contact strength of fix/main terminal shall be accepted.	Test condition: 50gf(0.5N) min.
4	Contact gap	To measure the gap between non-contact to plug.	0.1mm min.

### ■ PART NUMBERING SYSTEM



**EPJ015310**



**EPJ025310**



**EPJ025010**



**EPJ025110**



**EPJ025210**



**EPJ025510**



**EPJ025610**



**EPJ02511008**

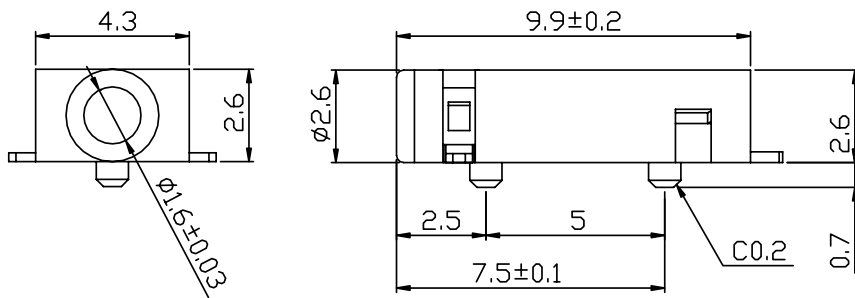


**EPJ03511008**

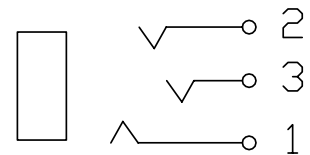


## ■ DIMENSIONS UNIT:mm

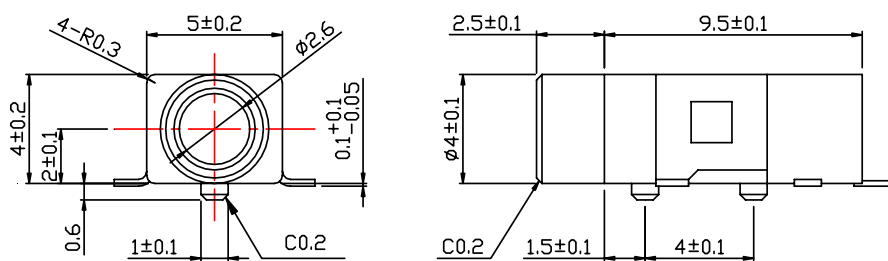
EPJ015310  
 $\varnothing 1.5\text{mm}$ , 3 Positions



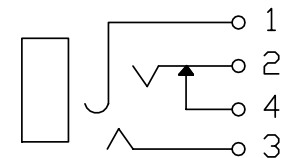
CIRCUIT DIAGRAM



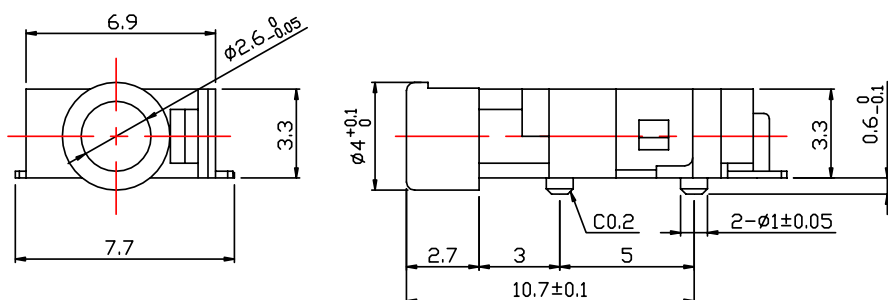
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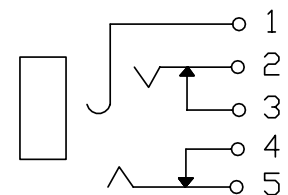
CIRCUIT DIAGRAM



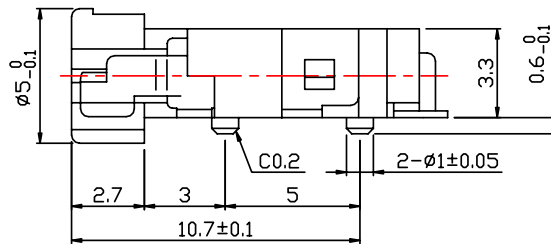
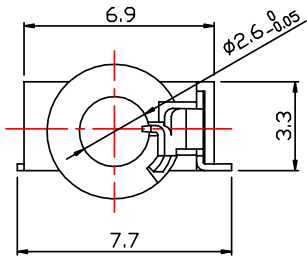
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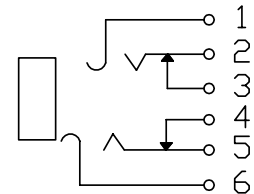
CIRCUIT DIAGRAM



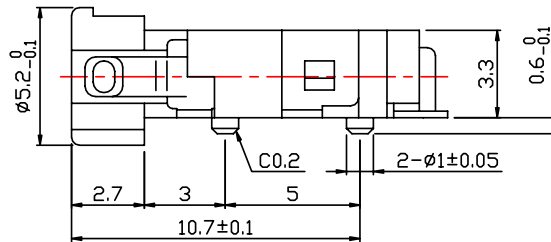
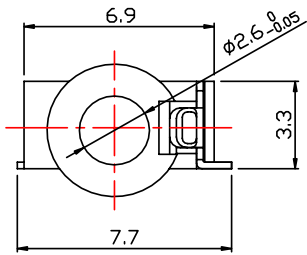
EPJ025110  
 Ø2.5mm, 4 Positions



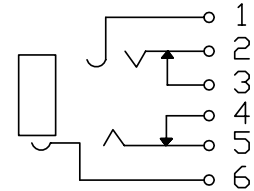
CIRCUIT DIAGRAM



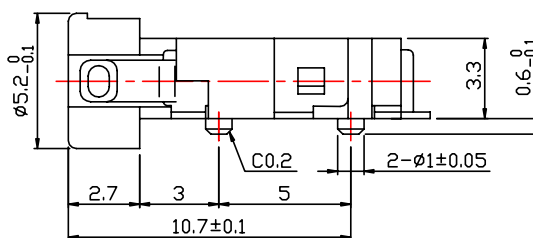
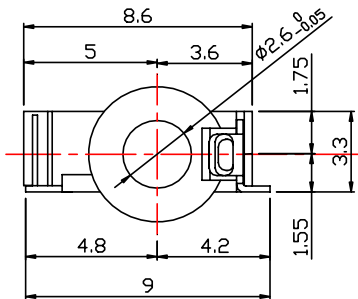
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 Ø2.5mm, 4 Positions



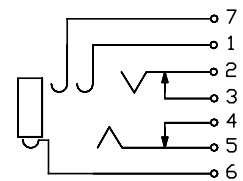
CIRCUIT DIAGRAM



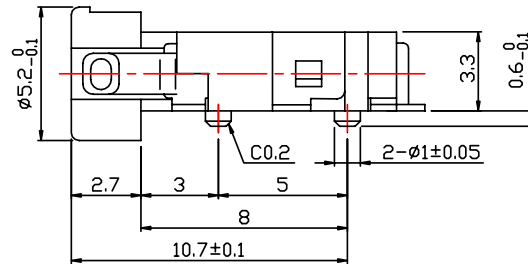
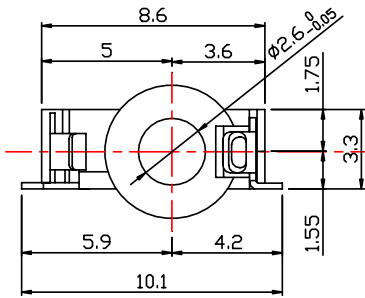
EPJ025510  
 Ø2.5mm, 5 Positions



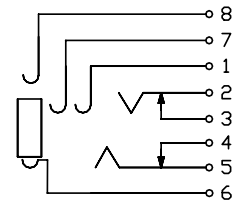
CIRCUIT DIAGRAM



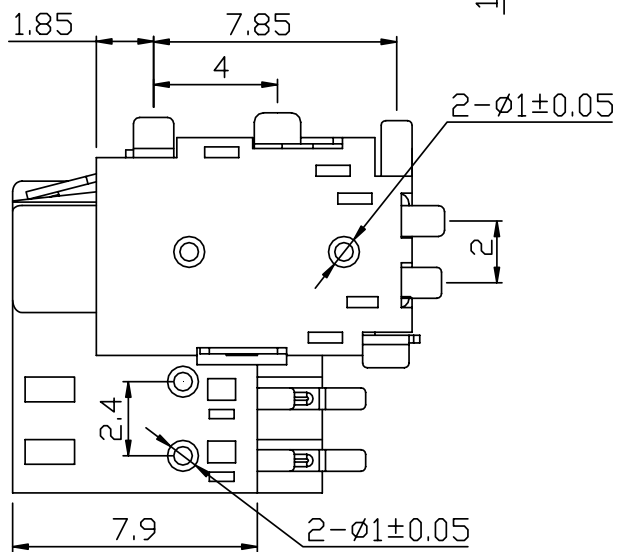
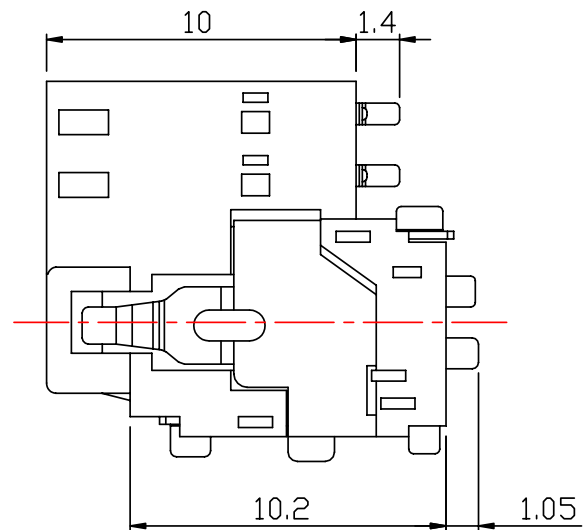
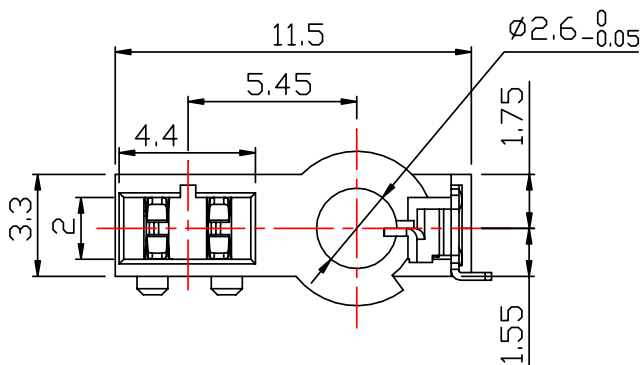
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 $\varnothing 2.5\text{mm}$ , 6 Positions



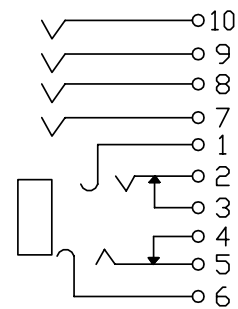
CIRCUIT DIAGRAM



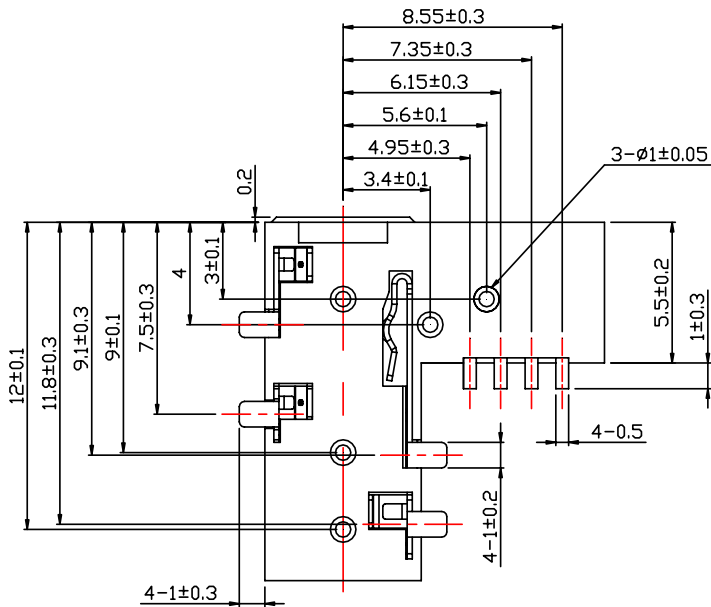
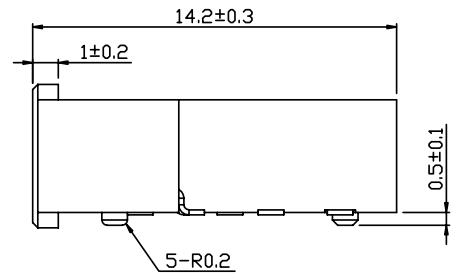
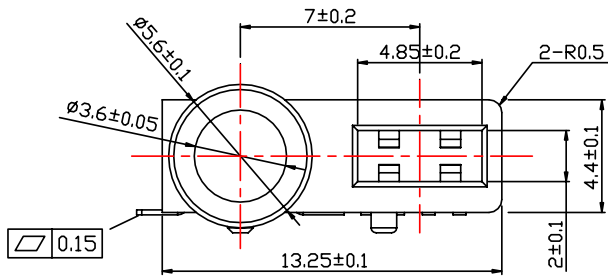
EPJ02511008  
 $\varnothing 2.5\text{mm}$ , 8 Positions



CIRCUIT DIAGRAM



EPJ03511008  
 ø3.5mm, 8 Positions



## CIRCUIT DIAGRAM

