

## EARPHONE / MICROPHONE JACK EPJ SERIES

### ■ FEATURES:

- Smallest size and lightest weights 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.

### ■ APPLICATION:

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

### ■ SPECIFICATIONS:

- Contact rating: 12 VDC, 1A
- Temperature rating:  
 Operating temperature range:  $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$   
 Storage temperature range:  $-25^{\circ}\text{C} \sim +50^{\circ}\text{C}$  (below 85%RH)

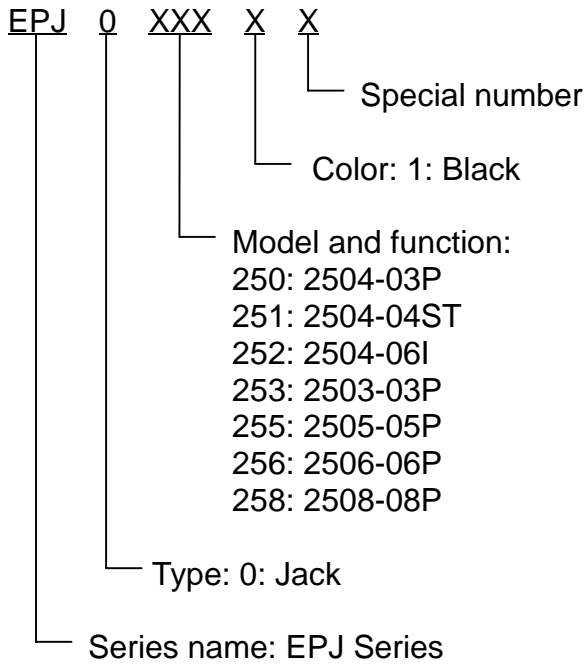
#### 1. Electrical

No.	Test description	Requirement	Test method
1	Insulation resistance	100 M $\Omega$ Min.	(1)Test voltage: 250 VDC $\pm$ 10 VDC Point: Between open contact.
2	Dielectric strength	No disruptive discharge Leakage current: 2 mA Max.	(1)Test voltage: 250 VAC (2)Duration: 60 sec. (3)Point: Between open contact.
3	Contact resistance	Initial: 30 m $\Omega$ Max. After life: 100 m $\Omega$ Max.	(1)Test voltage: 20 mV (2)Test current: 1 mA

#### 2. Mechanical

No.	Test description	Requirement	Test method
1	Mating/unmating force	0.3~3.0 Kgf (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) 10 sec.
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.	0.1 mm Min.

■ **PART NUMBERING SYSTEM**



2504-03P (3P)



2504-04ST (4P)



2504-06I (4P)



2503-03P (3P)



2505-05P (5P)



2506-06P (6P)

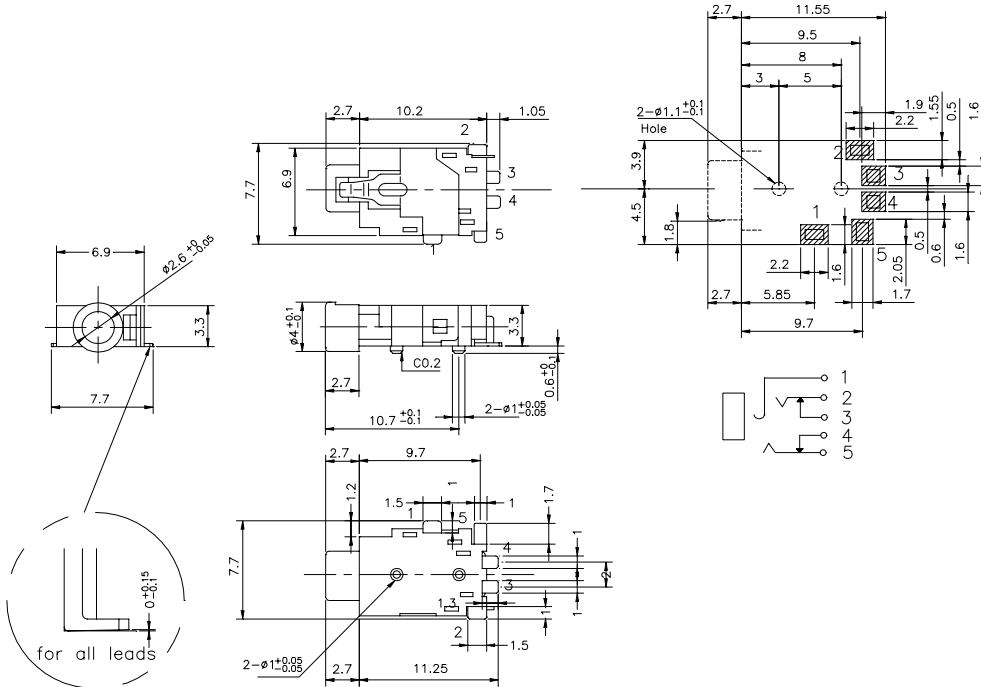


2508-08P (8P)



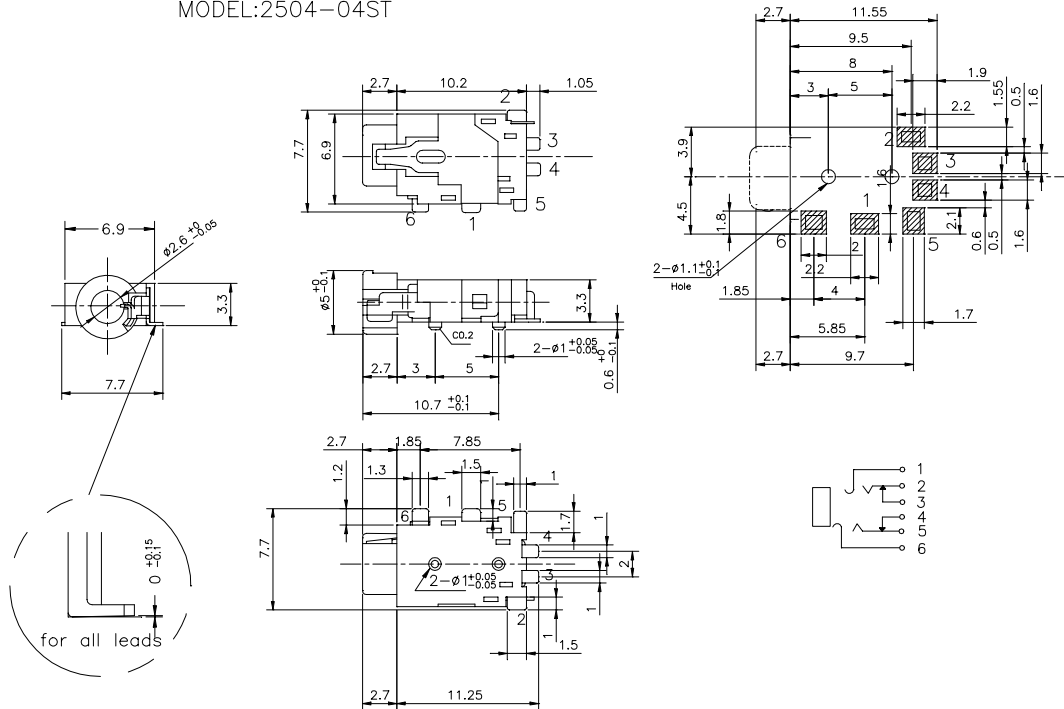
DIMENSIONS UNIT:mm  
MODEL:2504-03P

PAD LAYOUT  
(for reference)



DIMENSIONS UNIT:mm  
MODEL:2504-04ST

PAD LAYOUT  
(for reference)







DIMENSIONS UNIT:mm

MODEL:2508-08P

