

# DC POWER JACKS

## Specifications

### Mechanical

- Insertion and extraction force of jack shall be measured with a load cell or equivalent. The matching plug shall be inserted into and extracted from the jack slowly.
- The value of insertion force:  
Before test or initial: Maximum 3kg.  
After life test: Maximum 3kg.
- The value of extraction force:  
Before test or initial: 0.3kg to 3kg.  
After life test: 0.2kg to 3kg.

### Life Test

The life test to be made by 5,000 cycles of insertion and extraction (with the matching plug) at a rate of 20 to 30 cycles per minute, under no load.

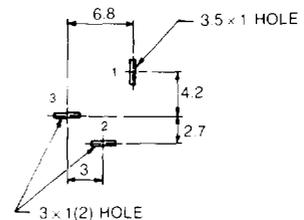
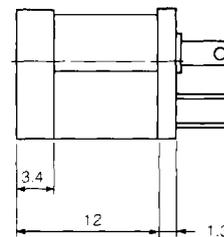
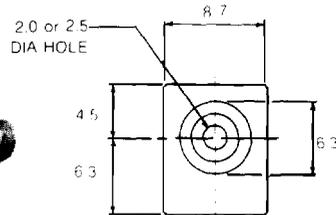
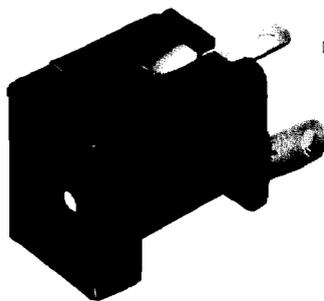
### Electrical

- Insulation resistance between mutually insulated terminals or metallic parts shall not be less than 100 megohms before test or initial, using a 500 volts DC insulation resistance meter.
- Contact resistance between terminals of the jack (to be made a closed circuit) shall not exceed 30 milliohms before test or initial, and shall not exceed 60 milliohms after life test, at a current of below 100mA and at a frequency of 1KHz, by the voltage drop method or four terminals method.

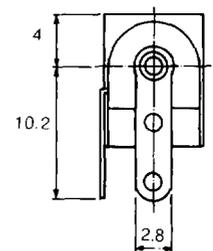
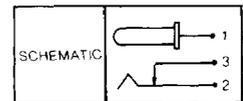
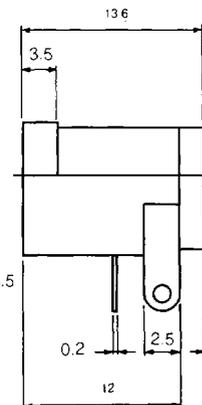
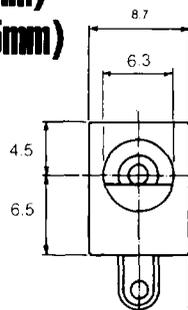
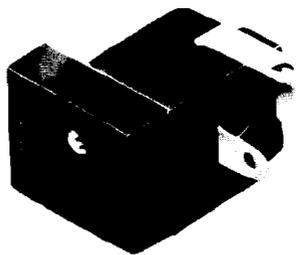
### Test Conditions

Unless otherwise specified herein, all measurements and tests shall be made at a temperature of 5°C to 35°C and a relative humidity of 40% to 85%.

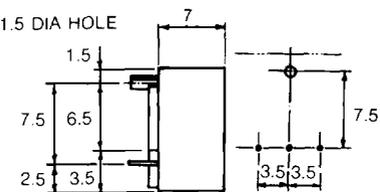
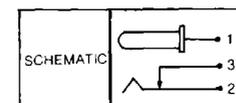
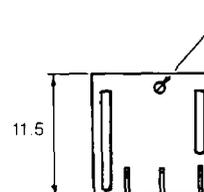
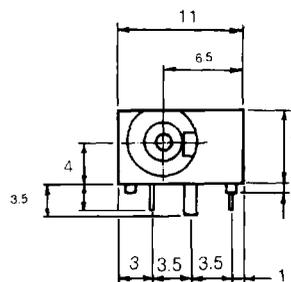
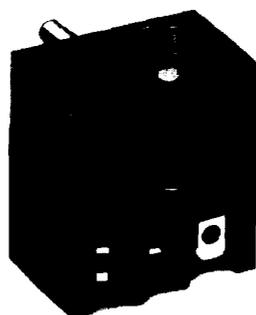
**SJS-013 (PC mount, center pin 2.0mm)**  
**SJS-013A (PC mount, center pin 2.5mm)**



**SJS-014 (PC mount, center pin 2.0mm)**  
**SJS-014A (PC mount, center pin 2.5mm)**



**SJS-016 (PC mount, center pin 2.0mm)**  
**SJS-016A (PC mount, center pin 2.5mm)**



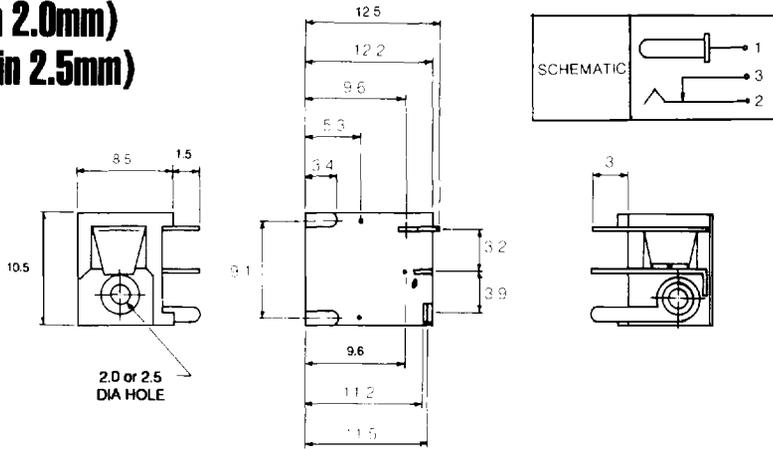
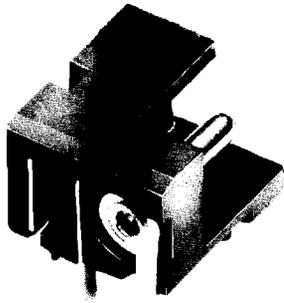
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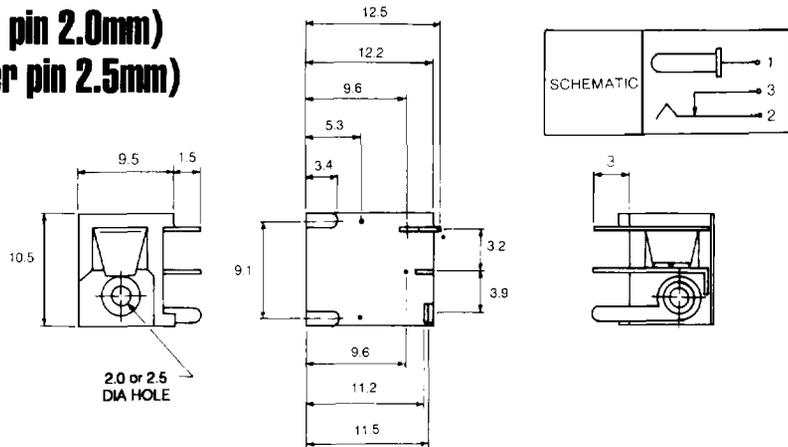
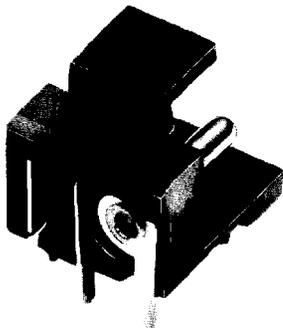
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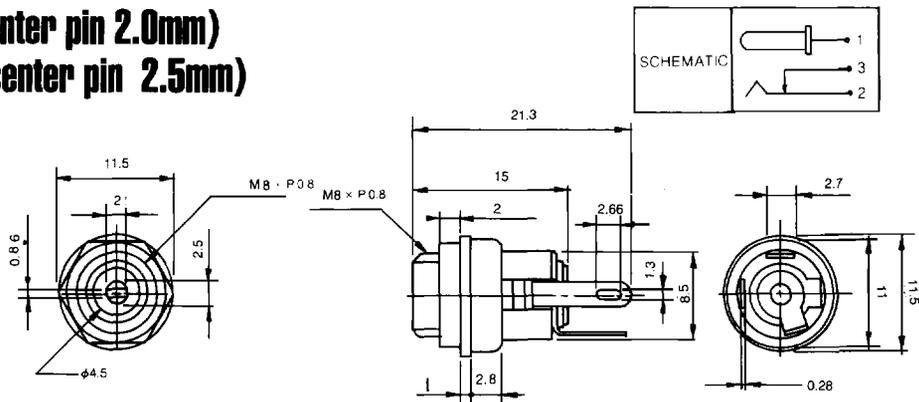
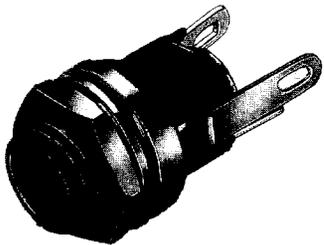
**SJS-017 (PC mount, center pin 2.0mm)**  
**SJS-017A (PC mount, center pin 2.5mm)**



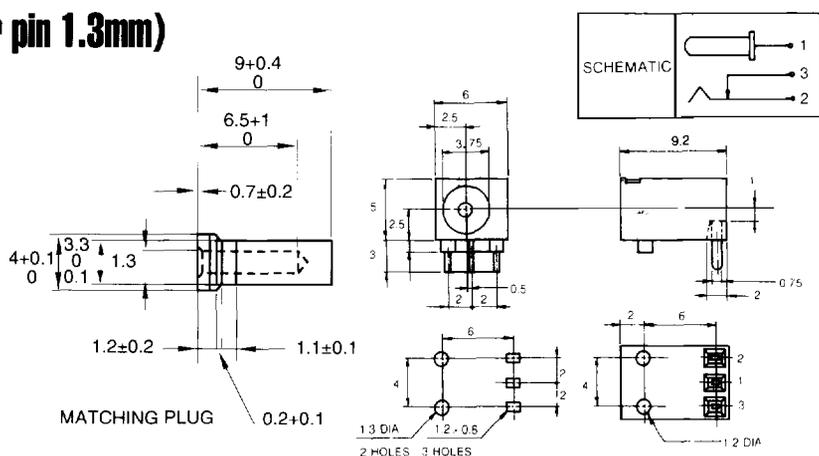
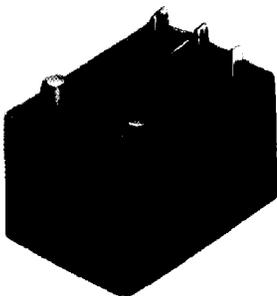
**SJS-017-1 (PC mount, center pin 2.0mm)**  
**SJS-017-1A (PC mount, center pin 2.5mm)**



**SJS-026 (PC mount, center pin 2.0mm)**  
**SJS-026A (PC mount, center pin 2.5mm)**



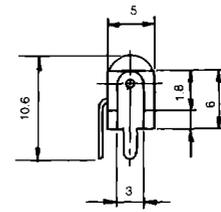
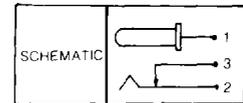
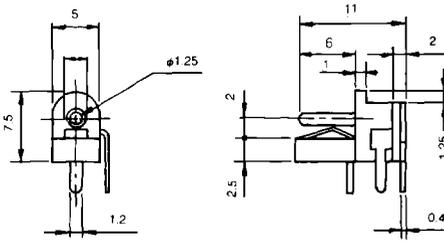
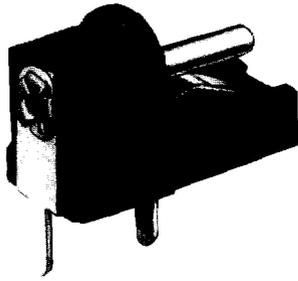
**SJS-024 (PC mount, center pin 1.3mm)**



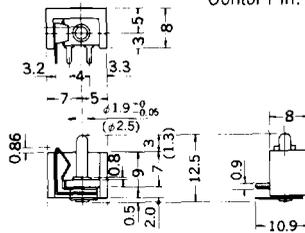
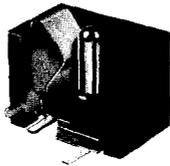
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# DC POWER JACKS

## SJS-025 (PC mount, center pin 1.3mm)

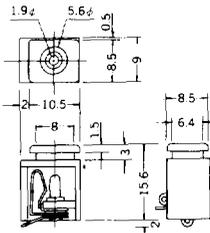
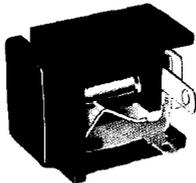


## SJ-200 (PC mount, center pin 1.9mm) SJ-200A (PC mount, center pin 2.5mm)



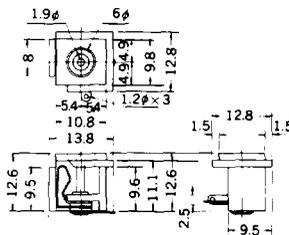
Contact Resistance: 30m Ohm max.  
Insulation Resistance: 50M Ohm min. at 500V DC, 50-60Hz  
Withstand Voltage: AC 500V r.m.s. for 1 minute  
Center Pin: 1.9mm or 2.5mm

## SJ-9215 (Lead wire mount, center pin 1.9mm) SJ-9215A (Lead wire mount, center pin 2.5mm)



Contact Resistance: 30m Ohm max.  
Insulation Resistance: 50M Ohm min. at 500V DC, 50-60Hz  
Withstand Voltage: AC 500V r.m.s. for 1 minute  
Center Pin: 1.9mm or 2.5mm

## SJ-196 (Lead wire mount, center pin 1.9mm) SJ-197 (Lead wire mount, center pin 2.5mm)

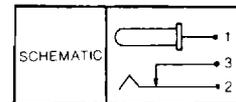
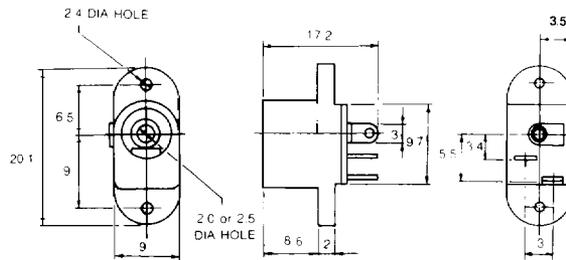
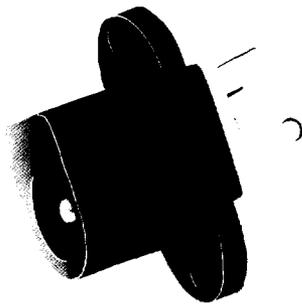


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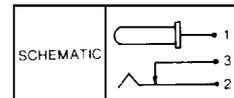
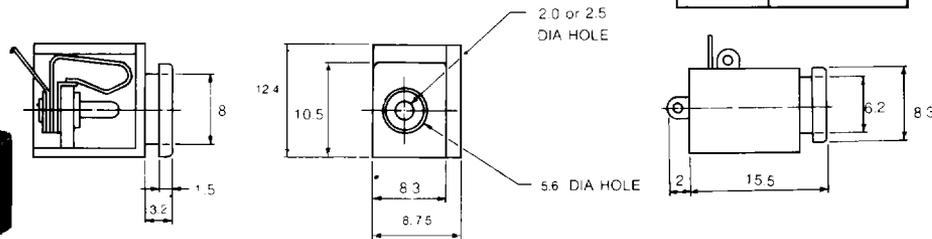
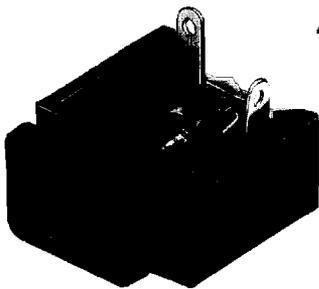
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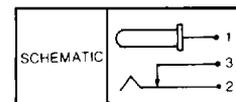
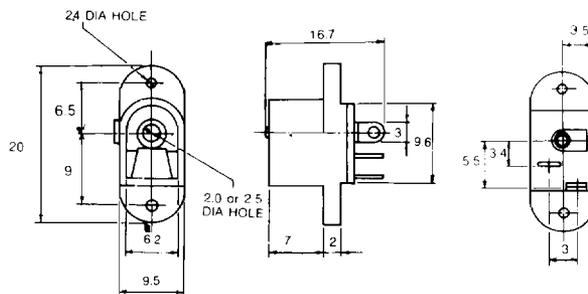
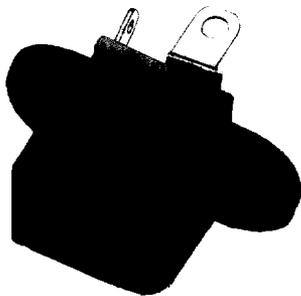
**SJS-015 (Lead wire mount, center pin 2.0mm)**  
**SJS-015A (Lead wire mount, center pin 2.5mm)**



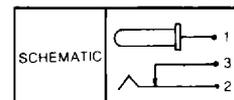
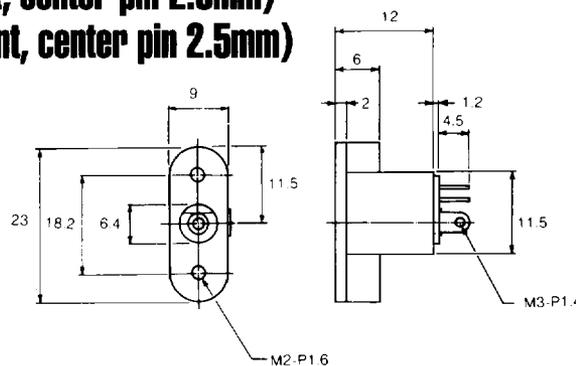
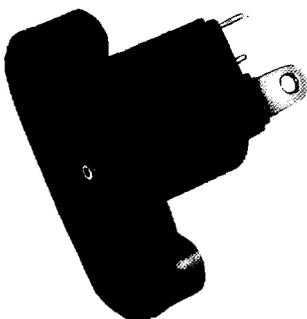
**SJS-018 (Lead wire mount, center pin 2.0mm)**  
**SJS-018A (Lead wire mount, center pin 2.5mm)**



**SJS-019 (Lead wire mount, center pin 2.0mm)**  
**SJS-019A (Lead wire mount, center pin 2.5mm)**



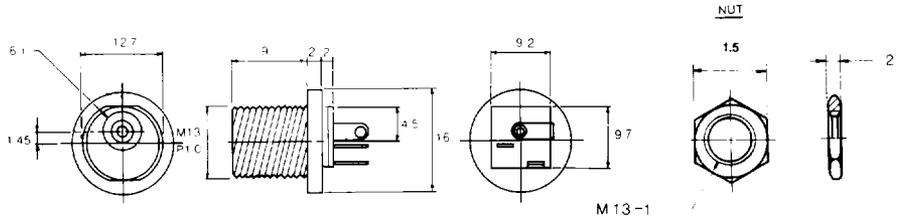
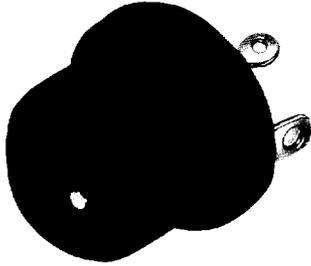
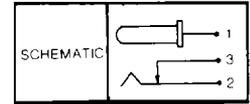
**SJS-020 (Lead wire mount, center pin 2.0mm)**  
**SJS-020A (Lead wire mount, center pin 2.5mm)**



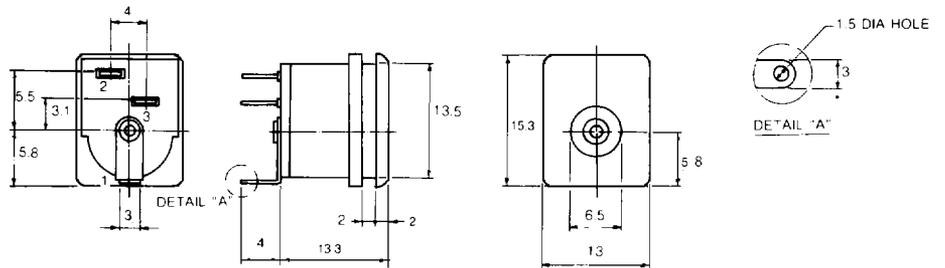
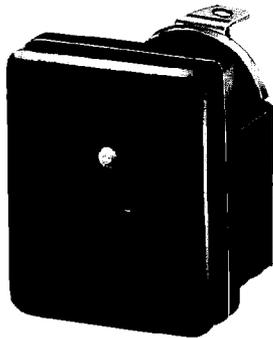
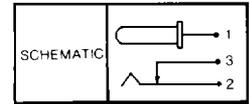
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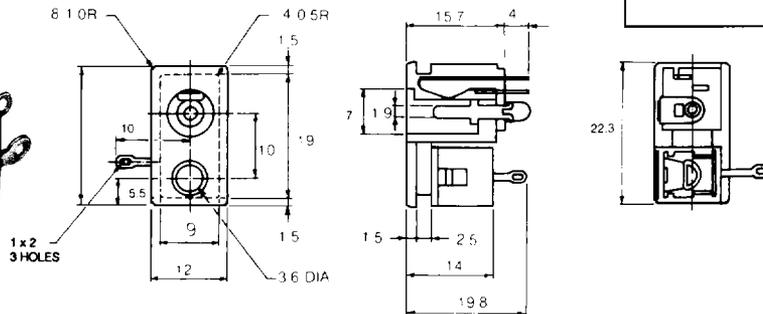
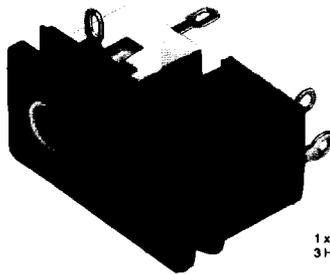
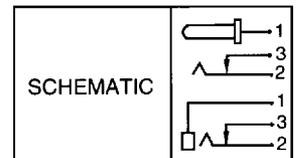
**SJS-021 (Lead wire mount, center pin 2.0mm)**  
**SJS-021A (Lead wire mount, center pin 2.5mm)**



**SJS-022 (Lead wire mount, center pin 2.0mm)**  
**SJS-022A (Lead wire mount, center pin 2.5mm)**



**SJS-023 (Lead wire mount, center pin 2.0mm)**  
**SJS-023A (Lead wire mount, center pin 2.5mm)**



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