

# 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.

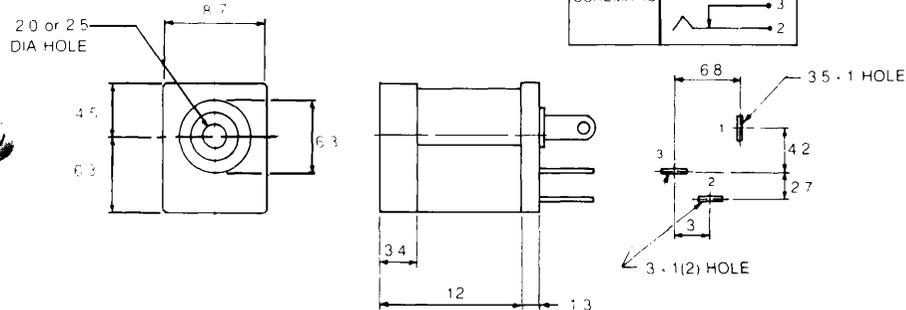
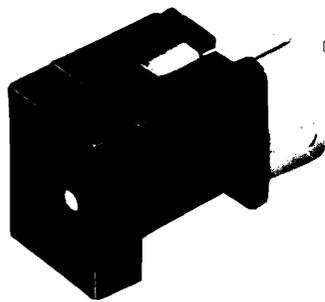
### Electrical

- 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.

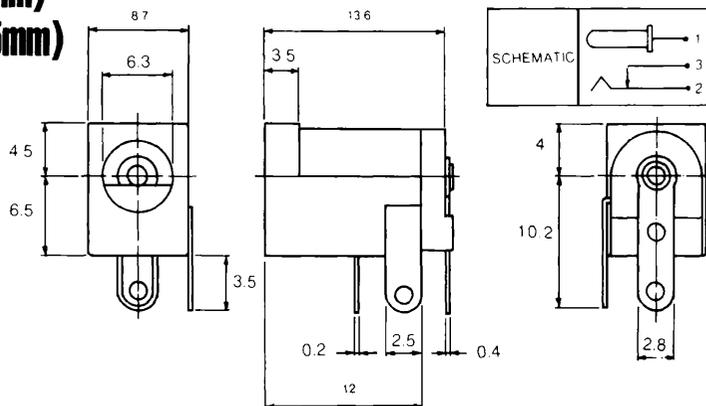
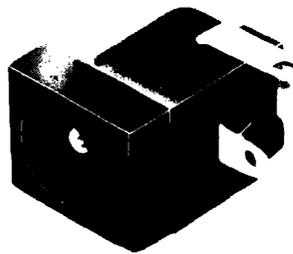
### Test Conditions

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%.

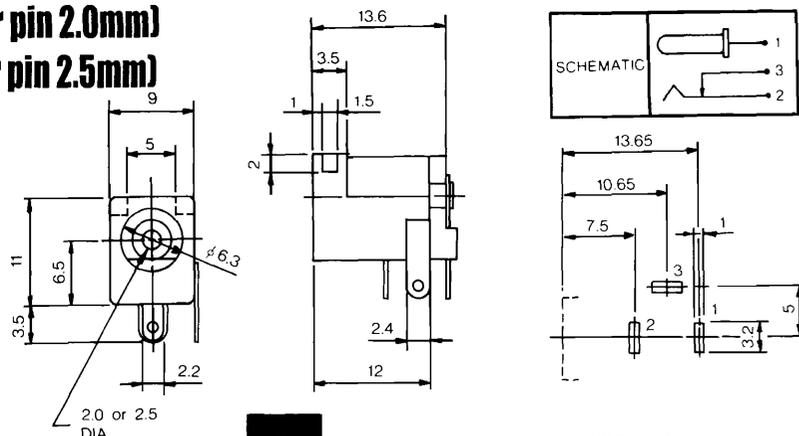
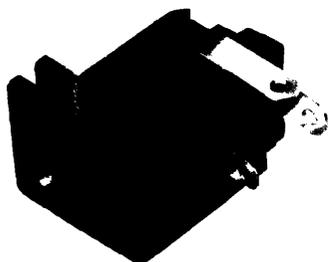
### SJS-013 (PC mount, center pin 2.0mm) SJS-013A (PC mount, center pin 2.5mm)



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



### SJS-014-1 (PC mount, center pin 2.0mm) SJS-014-1-A (PC mount, center pin 2.5mm)

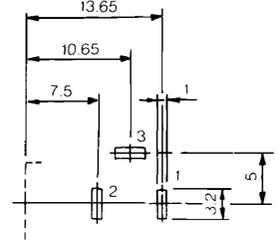
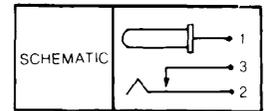
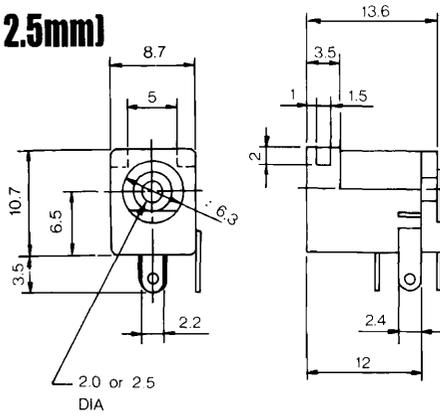
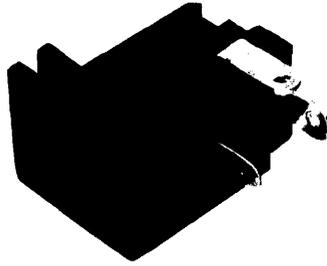


HOLE LAYOUT  
(BOTTOM VIEW)

# DC POWER JACKS

**SJS-014-2 (PC mount, center pin 2.0mm)**

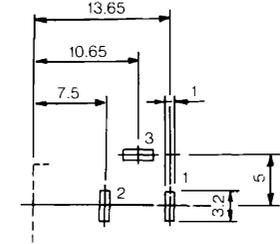
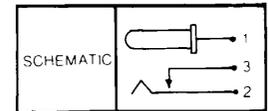
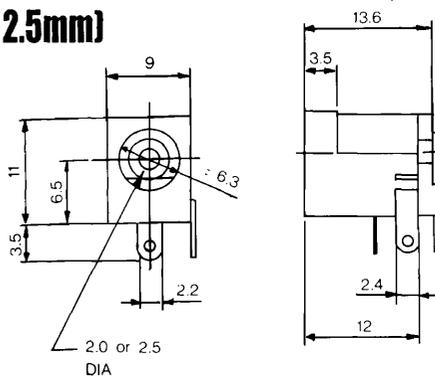
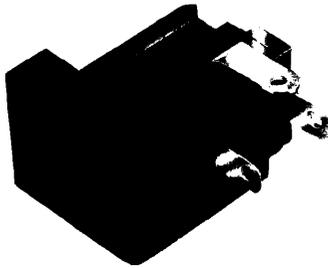
**SJS-014-2-A (PC mount, center pin 2.5mm)**



HOLE LAYOUT (BOTTOM VIEW)

**SJS-014-3 (PC mount, center pin 2.0mm)**

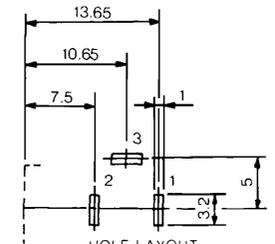
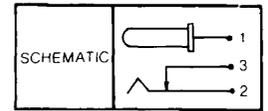
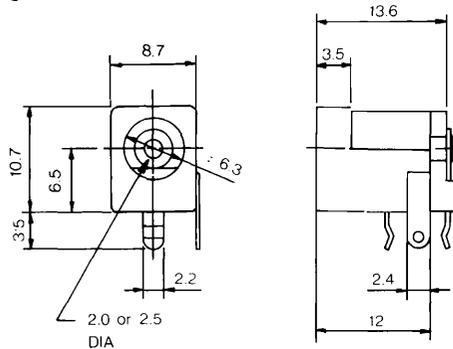
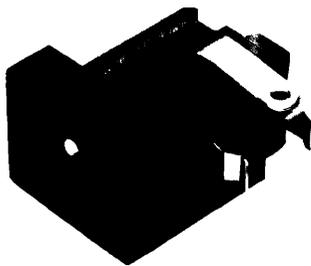
**SJS-014-3-A (PC mount, center pin 2.5mm)**



HOLE LAYOUT (BOTTOM VIEW)

**SJS-014-4 (PC mount, center pin 2.0mm)**

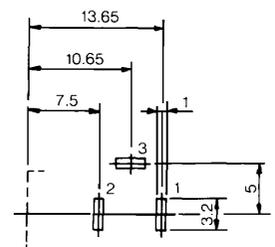
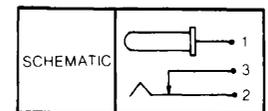
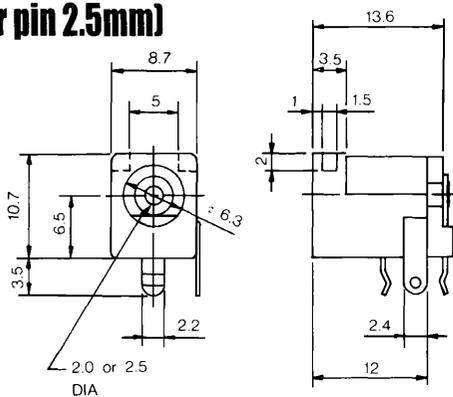
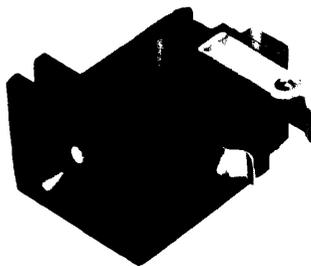
**SJS-014-4-A (PC mount, center pin 2.5mm)**



HOLE LAYOUT (BOTTOM VIEW)

**SJS-014-5 (PC mount, center pin 2.0mm)**

**SJS-014-5-A (PC mount, center pin 2.5mm)**



HOLE LAYOUT (BOTTOM VIEW)

**SHOGYO**

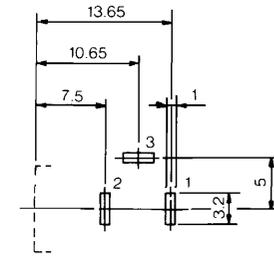
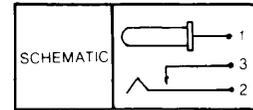
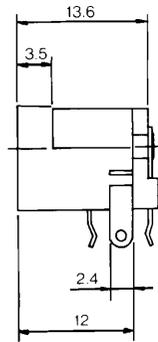
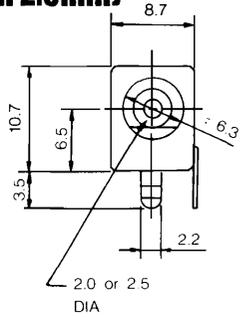
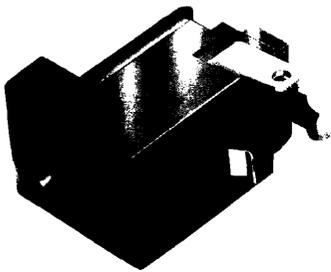
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# DC POWER JACKS

**SJS-014-6 (PC mount, center pin 2.0mm)**

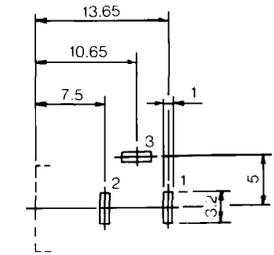
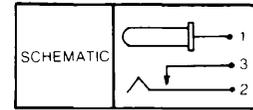
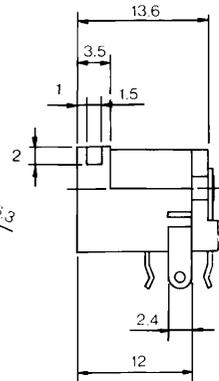
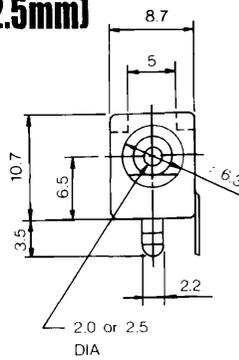
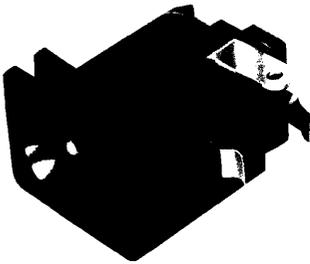
**SJS-014-6-A (PC mount, center pin 2.5mm)**



HOLE LAYOUT  
(BOTTOM VIEW)

**SJS-014-7 (PC mount, center pin 2.0mm)**

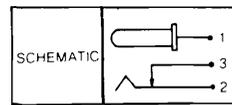
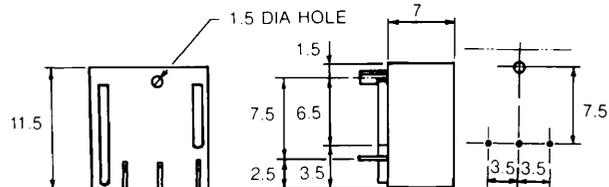
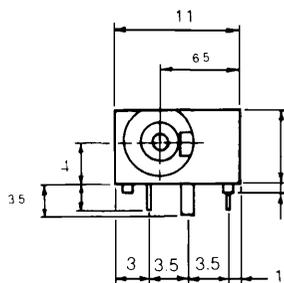
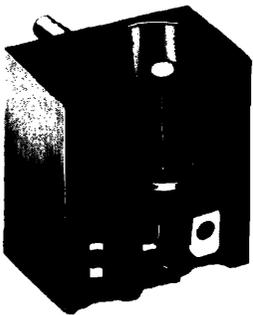
**SJS-014-7-A (PC mount, center pin 2.5mm)**



HOLE LAYOUT  
(BOTTOM VIEW)

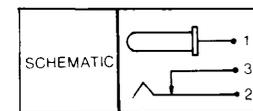
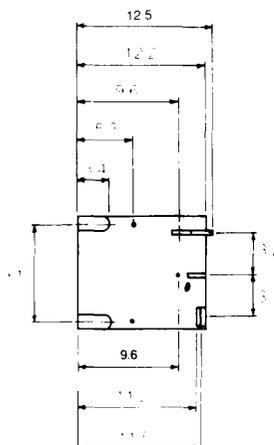
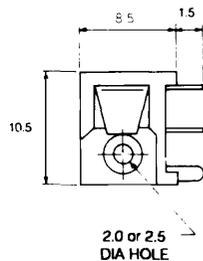
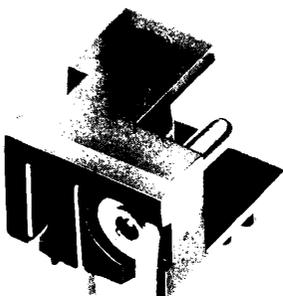
**SJS-016 (PC mount, center pin 2.0mm)**

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



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

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



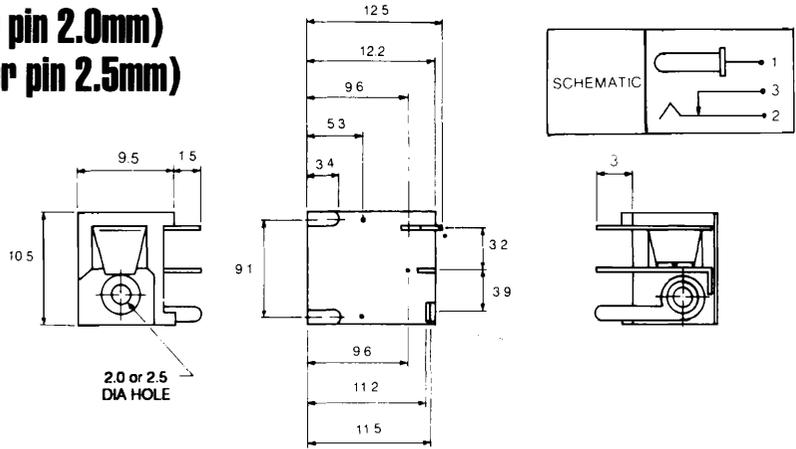
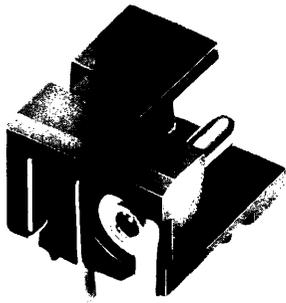
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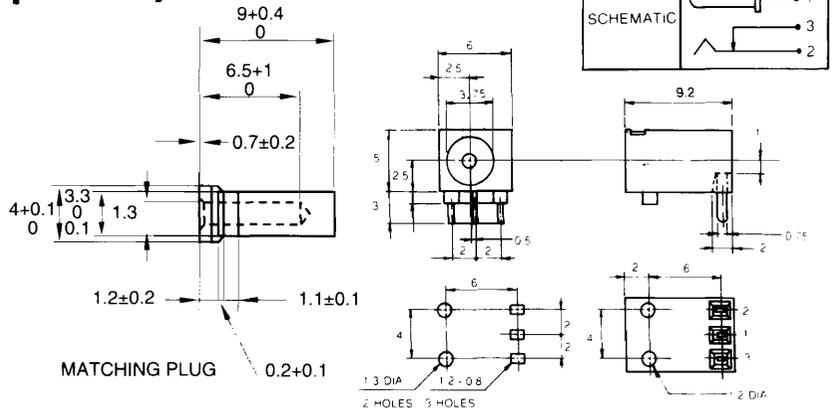
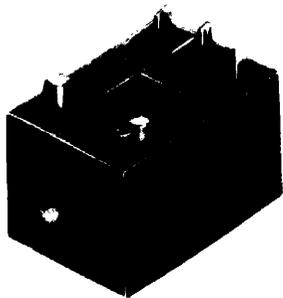
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# DC POWER JACKS

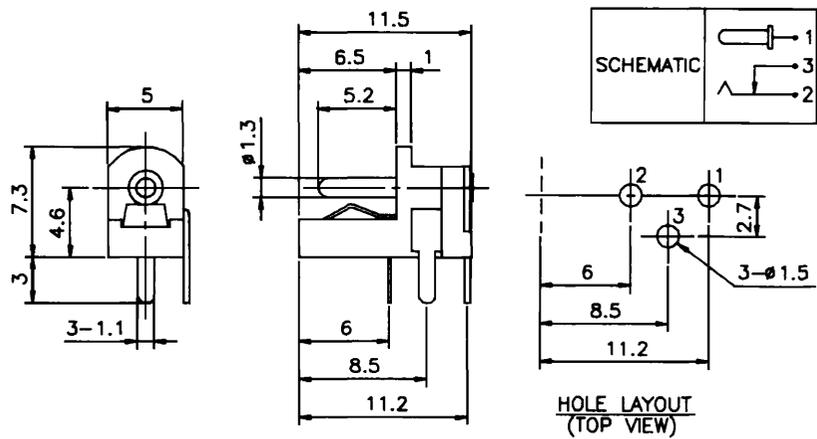
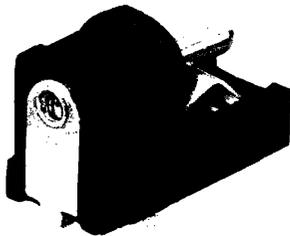
**SJS-017-1 (PC mount, center pin 2.0mm)**  
**SJS-017-1A (PC mount, center pin 2.5mm)**



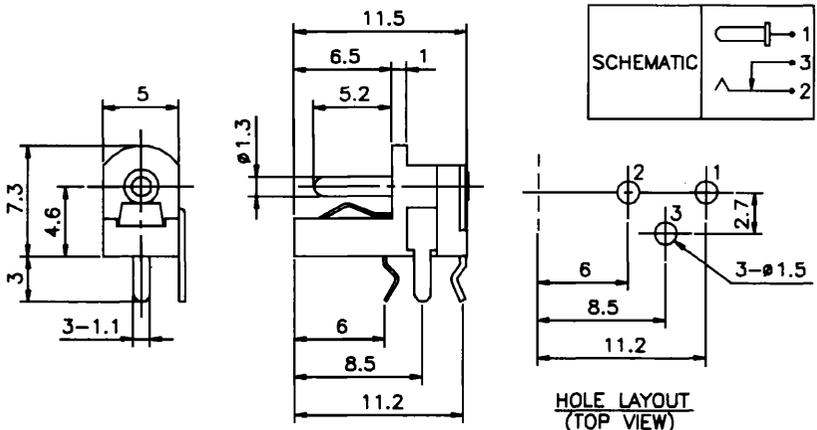
**SJS-024 (PC mount, center pin 1.3mm)**



**SJS-025 (CLOSE TYPE)**  
**SJS-025-1 (OPEN TYPE)**  
 (center pin 1.3mm)



**SJS-025-2 (CLOSE TYPE)**  
**SJS-025-3 (OPEN TYPE)**  
 (center pin 1.3mm)



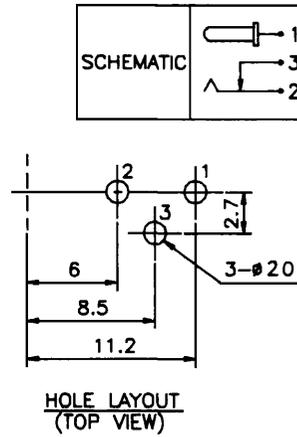
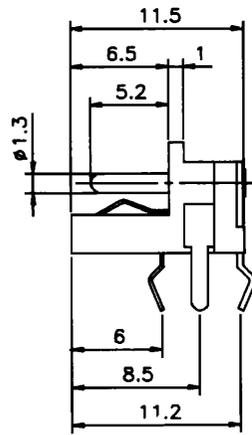
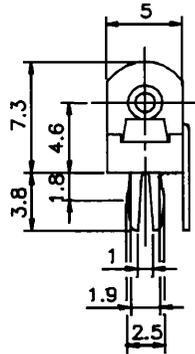
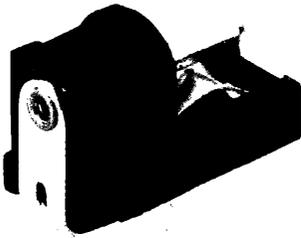
**SHOGYO**

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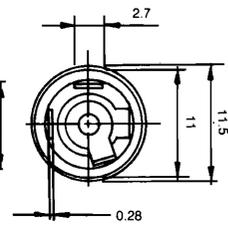
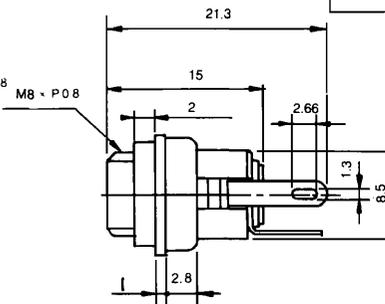
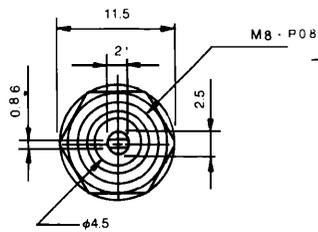
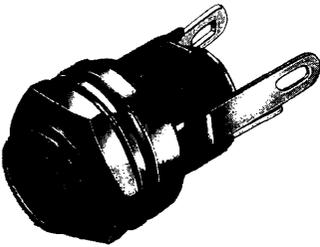
Fax: 516-349-7744

# DC POWER JACKS

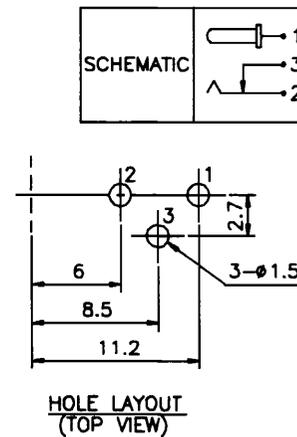
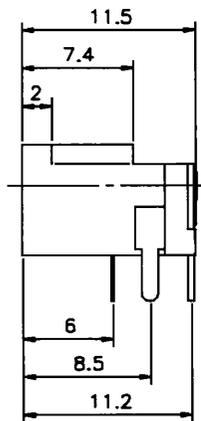
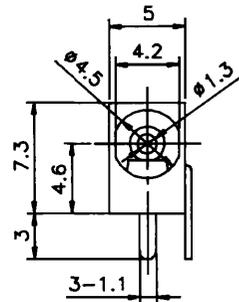
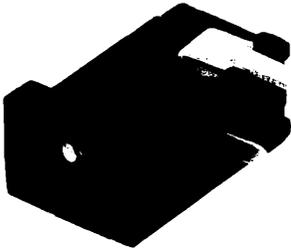
**SJS-025-2-K (center pin 1.3mm)**



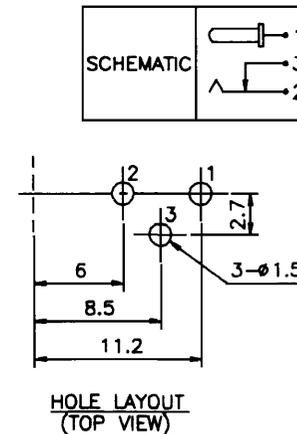
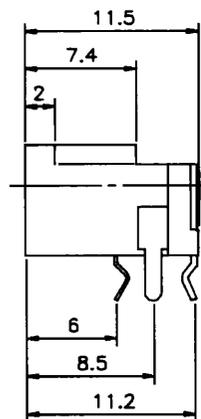
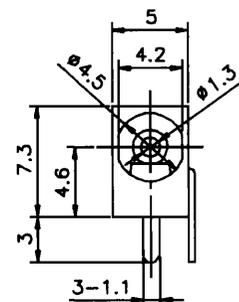
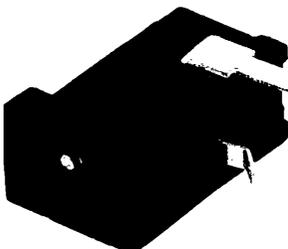
**SJS-026 (PC mount, center pin 2.0mm)**  
**SJS-026A (PC mount, center pin 2.5mm)**



**SJS-031 (CLOSE TYPE)**  
**SJS-031-1 (OPEN TYPE)**  
 (center pin 1.3mm)



**SJS-031-2 (CLOSE TYPE)**  
**SJS-031-3 (OPEN TYPE)**  
 (center pin 1.3mm)



**SHOGYO**

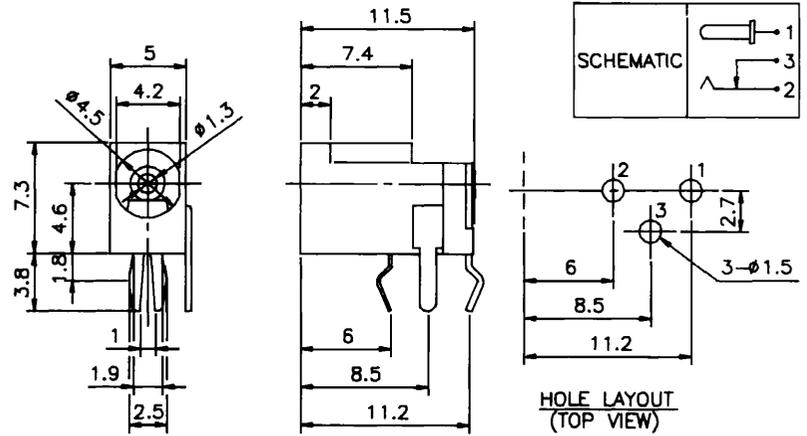
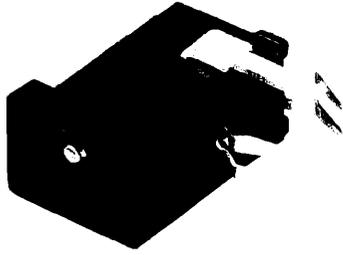
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 Fax: 516-349-7744

# DC POWER JACKS

**SJS-031-2-K (CLOSE TYPE)**

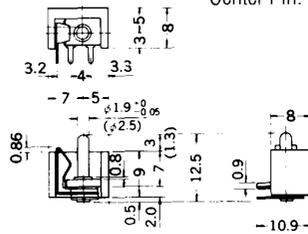
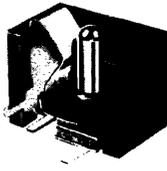
**SJS-031-3-K (OPEN TYPE)**

(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.

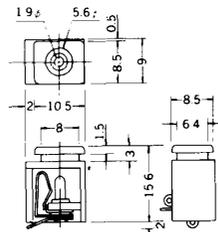
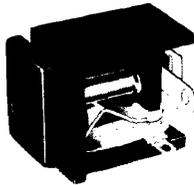
Insulation Resistance: 50M Ohm min. at 500V DC, 50-60Hz

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.

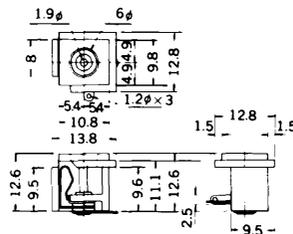
Insulation Resistance: 50M Ohm min. at 500V DC, 50-60Hz

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)**



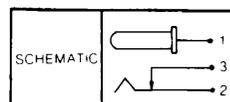
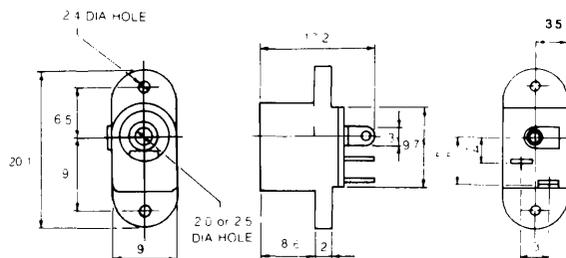
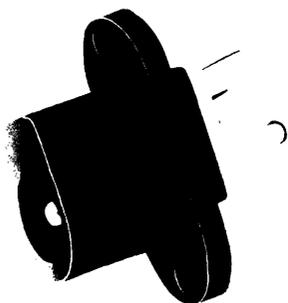
**SHOGYO**

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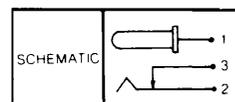
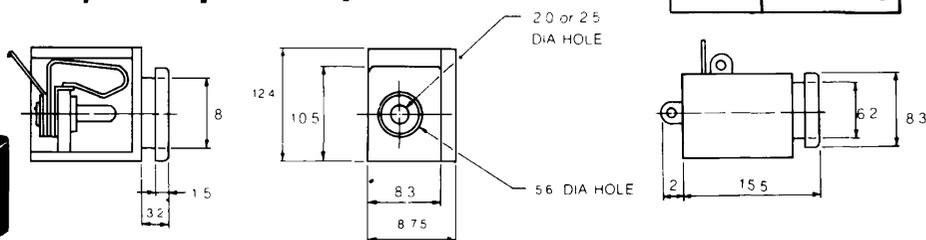
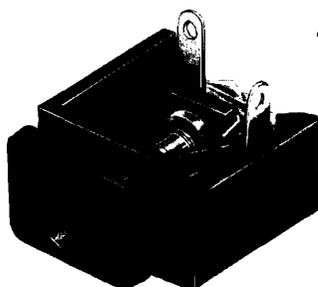
Fax: 516-349-7744

# DC POWER JACKS

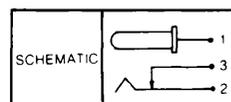
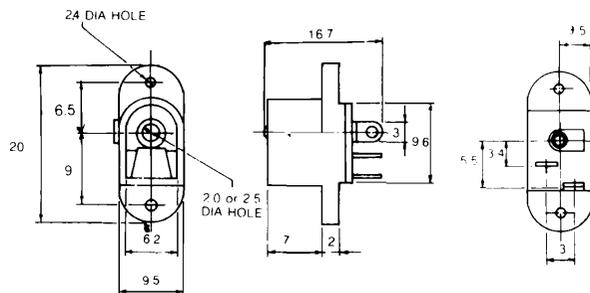
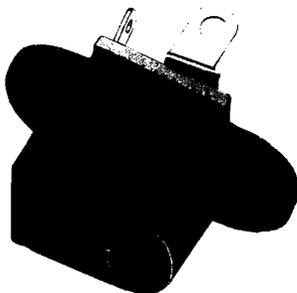
**SJS-015 (Lead wire mount, center pin 2.0mm)**  
**SJS-015A (Lead wire mount, center pin 2.5mm)**



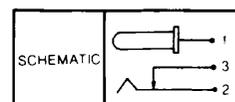
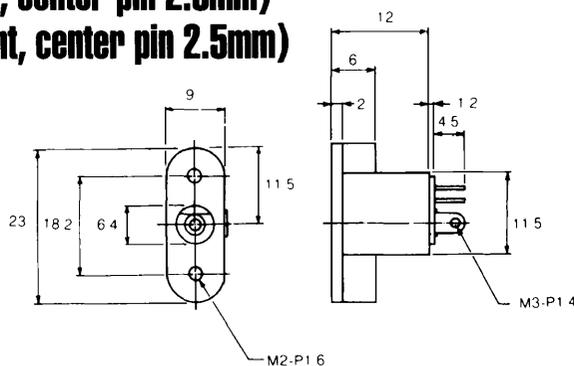
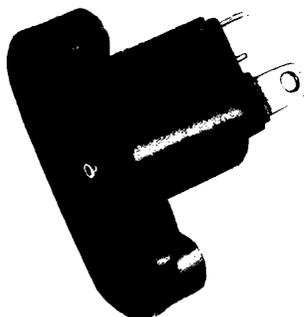
**SJS-018 (Lead wire mount, center pin 2.0mm)**  
**SJS-018A (Lead wire mount, center pin 2.5mm)**



**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)**

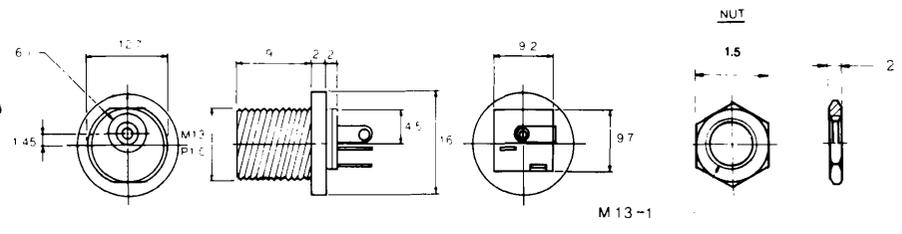
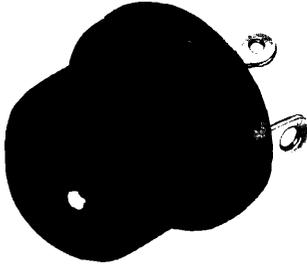
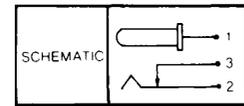


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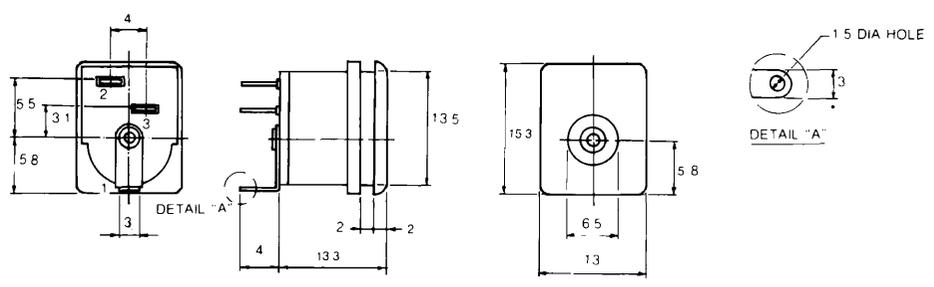
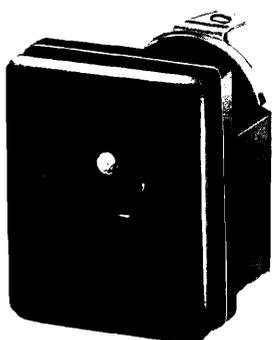
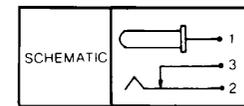
516-349-5200  
 Fax: 516-349-7744

# DC POWER JACKS

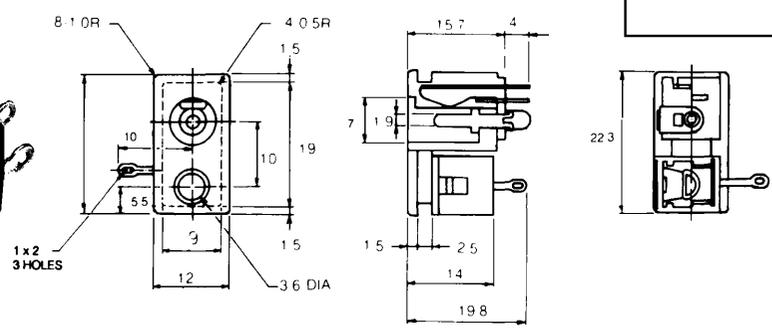
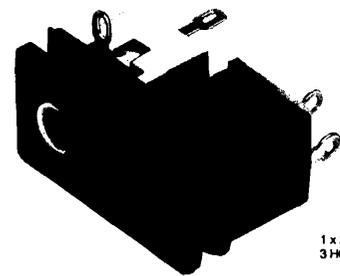
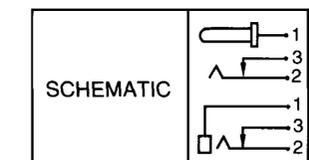
**SJS-021 (Lead wire mount, center pin 2.0mm)**  
**SJS-021A (Lead wire mount, center pin 2.5mm)**



**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)**



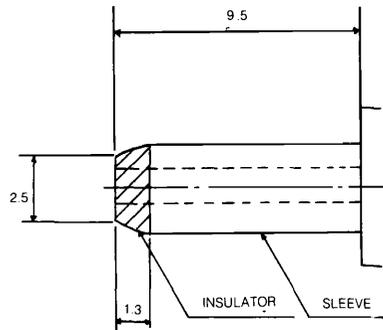
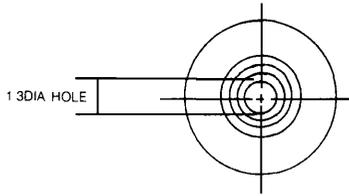
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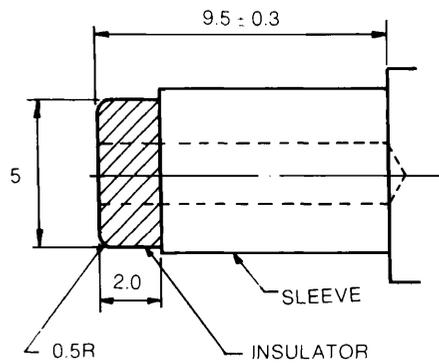
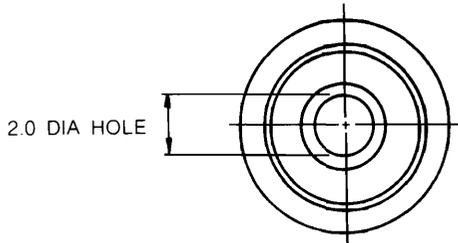
See page 32 for photos.  
Also available to specifications as pre-molded cable assemblies.

# DC POWER PLUGS

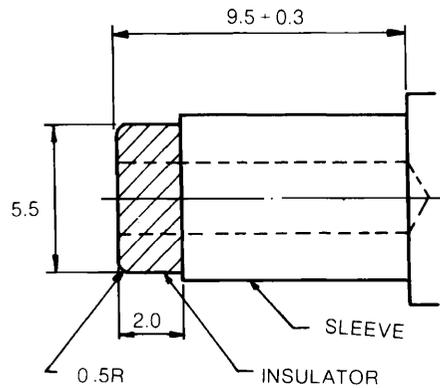
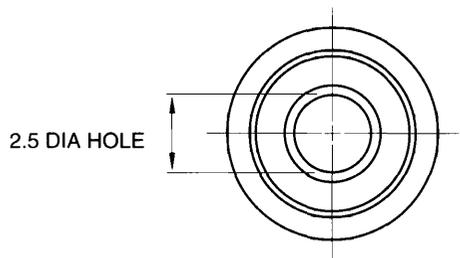
## Center pin 1.3mm



## Center pin 2.0mm



## Center pin 2.5mm



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