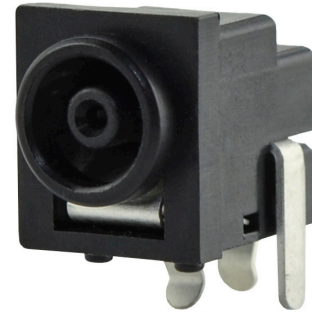




MODEL: PJ-019 | **DESCRIPTION:** DC POWER JACK

FEATURES

- kinked pins
- EIAJ-4 center pin
- rated to 3 A



SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---------------------------------|--|-----|-------|----------|----------|
| rated input voltage | | | 24 | | Vdc |
| rated input current | | | | 3 | A |
| contact resistance ¹ | between terminal and mating plug between terminal in a closed circuit | | | 50 30 | mΩ mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | at 50/60Hz for 1 minute | | | 500 | Vac |
| insertion/withdrawal force | | 0.3 | | 3 | kg |
| terminal strength | any direction for 10 seconds | | | 500 | g |
| operating temperature | | -25 | | 85 | °C |
| life | | | 5,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | 2011/65/EU | | | | |

Notes: 1. When measured at a current of less than 100 mA / 1 kHz

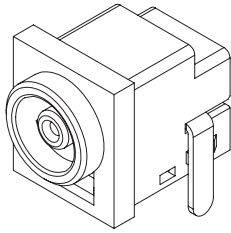
SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|----------------|--|-----|-----|-----|-------|
| wave soldering | dipped in solder pot for 5 ±0.5 seconds at | 255 | 260 | 265 | °C |

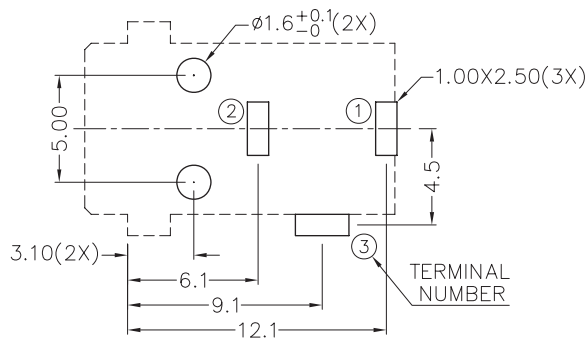
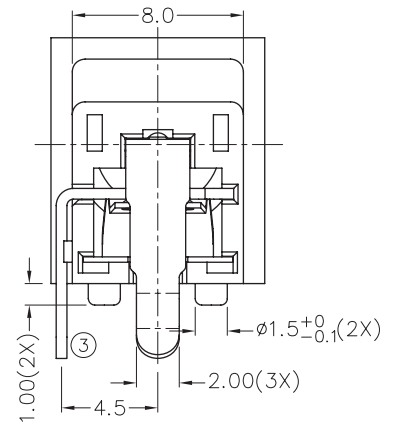
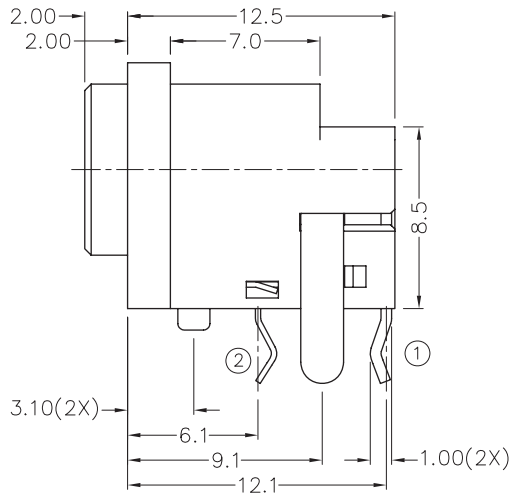
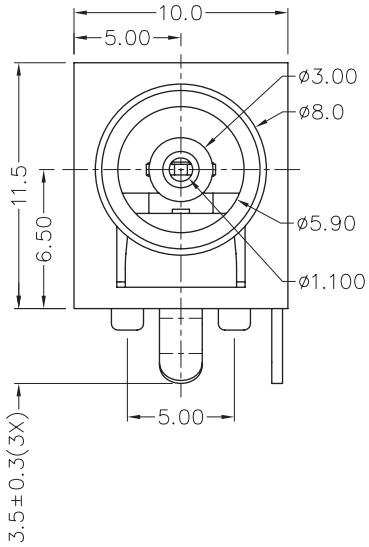
MECHANICAL DRAWING

units: mm

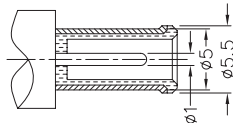
TOLERANCE:
 X.X ±0.2mm
 X.XX ±0.1mm
 X.XXX ±0.05mm



| | MATERIAL | PLATING |
|------------|--------------|---------|
| center pin | brass | tin |
| terminal 1 | brass | tin |
| terminal 2 | copper alloy | tin |
| terminal 3 | brass | tin |
| plastic | PBT | |



PCB LAYOUT
(TOP VIEW)



MATING PLUG
 Jack Insertion Depth: 9.0mm

| | |
|-----------|---------------|
| Schematic | 1 3 2 |
| Model | Center Pin |
| PJ-019 | EIAJ-4 (1 mm) |

REVISION HISTORY

| rev. | description | date |
|------|---------------------------------------|------------|
| 1.0 | initial release | 08/26/2012 |
| 1.01 | new template applied, molding updated | 07/18/2012 |
| 1.02 | updated datasheet | 05/16/2016 |

The revision history provided is for informational purposes only and is believed to be accurate.



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