

date 04/14/2016

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MODEL: PJ-047A | **DESCRIPTION:** DC POWER JACK

FEATURES

- 2.0 mm center pin
- 2.5 A rating
- right angle orientation
- through hole
- shielded





SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---------------------------------|--|-----|-------|----------|----------|
| rated input voltage | | | 24 | | Vdc |
| rated input current | | | | 2.5 | А |
| 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 | | | | |

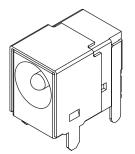
Note: 1. When measured at a current of less than 100 mA/1 kHz

SOLDERABILITY

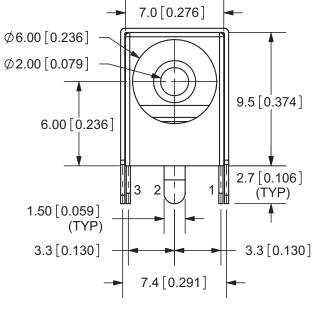
| parameter | conditions/description | min | typ | max | units |
|----------------|--|-----|-----|-----|-------|
| wave soldering | dipped in solder pot for 5 ± 0.5 seconds | 255 | 260 | 265 | °C |

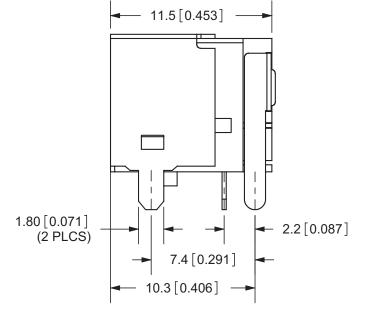
MECHANICAL DRAWING

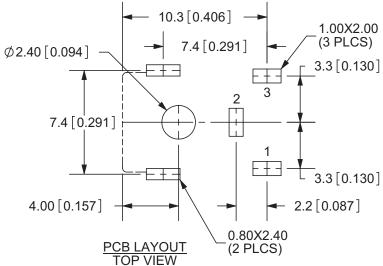
units: mm[inches] tolerance: $X.X \pm 0.2mm$ $X.XX \pm 0.1mm$ $X.XXX \pm 0.05mm$

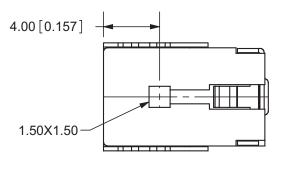


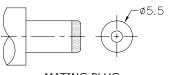
| | MATERIAL | PLATING |
|------------|--------------|---------|
| center pin | copper | nickel |
| terminal 1 | brass | tin |
| terminal 2 | copper alloy | tin |
| terminal 3 | brass | tin |
| shield | brass | nickel |
| plastic | PBT | |











MATING PLUG Jack Insertion Depth: 8.3 mm

| SCHEMATIC | ○ |
|------------|---------|
| Model | PJ-047A |
| Center Pin | Ø2.0 mm |

1. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted. Note:

REVISION HISTORY

| rev. | description | date |
|------|--|------------|
| 1.0 | initial release | 07/30/2007 |
| 1.01 | shield plating material changed from tin to nickel | 09/30/2009 |
| 1.02 | applied new spec template | 01/02/2014 |
| 1.03 | increased voltage rating | 04/14/2016 |

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



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