



MODEL:

PJ-109H

|

DESCRIPTION:

DC POWER JACK

FEATURES

- EIAJ-5 center pin
- hand solder



SPECIFICATIONS

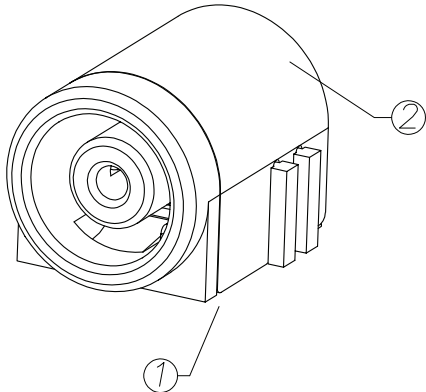
| parameter                  | conditions/description | min | typ   | max | units  |
|----------------------------|------------------------|-----|-------|-----|--------|
| rated input voltage        |                        |     | 20    |     | Vdc    |
| rated input current        |                        |     |       | 5   | A      |
| contact resistance         |                        |     |       | 50  | mΩ     |
| insulation resistance      | at 500 Vdc             | 100 |       |     | MΩ     |
| voltage withstand          |                        |     |       | 500 | Vac    |
| insertion/withdrawal force |                        | 0.3 |       | 3   | kg     |
| operating temperature      |                        | -20 |       | 70  | °C     |
| storage temperature        |                        | -40 |       | 85  | °C     |
| life                       |                        |     | 5,000 |     | cycles |
| flammability rating        | UL94V-0                |     |       |     |        |
| RoHS                       | yes                    |     |       |     |        |

SOLDERABILITY

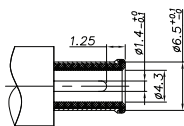
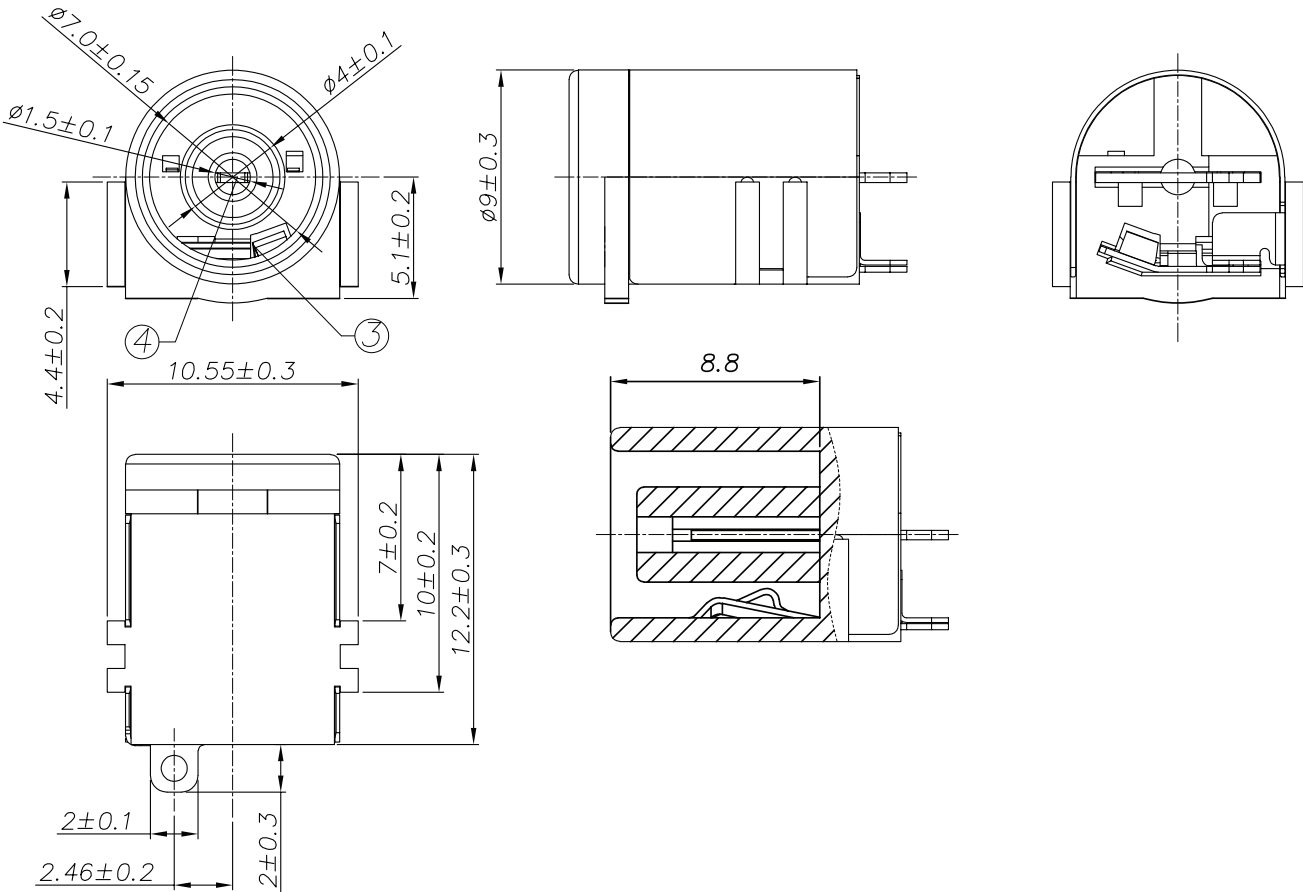
| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for ± 3 seconds        | 375 | 380 | 385 | °C    |

MECHANICAL DRAWING

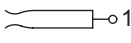
units: mm  
tolerance:  
X.X: ±0.50 mm  
X.XX ±0.30 mm  
X.XXX: ±0.15 mm  
PCB: ±0.05 mm  
unless otherwise specified



| ITEM | DESCRIPTION | MATERIAL        | PLATING/COLOR |
|------|-------------|-----------------|---------------|
| 1    | housing     | PA66 [UL94V-0]  | black         |
| 2    | shell       | brass           | nickel        |
| 3    | terminal 1  | phosphor bronze | tin           |
| 4    | terminal 2  | phosphor bronze | tin           |



MATING PLUG  
Jack Insertion Depth: 8.8 mm

|            |                                                                                                                                                                                    |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Schematic  |  1<br> 2 |
| Model      | PJ-109H                                                                                                                                                                            |
| Center Pin | EIAJ-5 [ $\phi 1.4$ mm]                                                                                                                                                            |

REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 09/23/2024 |

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



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