

**MODEL:** MJ-63042J | **DESCRIPTION:** AUDIO JACK**FEATURES**

- through hole
- right angle
- tip and sleeve switch
- sleeve switch normally open
- open housing design

**SPECIFICATIONS**

| parameter                  | conditions/description           | min | typ   | max | units  |
|----------------------------|----------------------------------|-----|-------|-----|--------|
| rated input voltage        |                                  |     | 12    |     | Vdc    |
| rated input current        |                                  |     |       | 1   | A      |
| contact resistance         | between terminal and mating plug |     |       | 30  | mΩ     |
| insulation resistance      | at 500 Vdc                       | 100 |       |     | MΩ     |
| voltage withstand          | for 1 minute                     |     |       | 500 | Vac    |
| insertion/withdrawal force |                                  | 0.4 |       | 3   | kg     |
| operating temperature      |                                  | -25 |       | 70  | °C     |
| life                       |                                  |     | 5,000 |     | cycles |
| flammability rating        | see material table               |     |       |     |        |
| RoHS                       | yes                              |     |       |     |        |

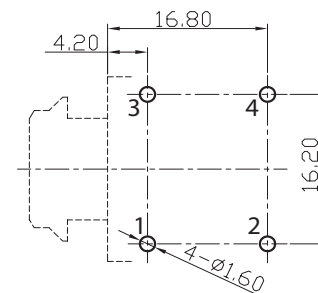
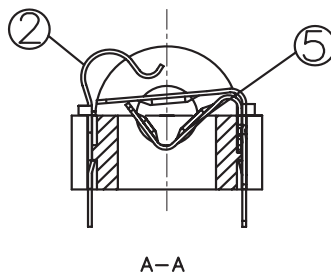
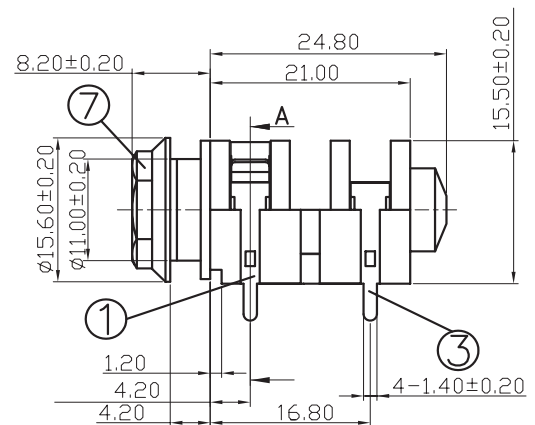
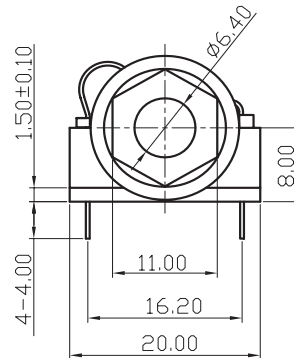
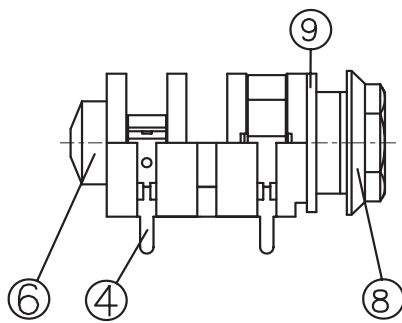
**SOLDERABILITY**

| parameter      | conditions/description               | min | typ | max | units |
|----------------|--------------------------------------|-----|-----|-----|-------|
| wave soldering | dipped in solder pot for 3~5 seconds |     | 260 |     | °C    |

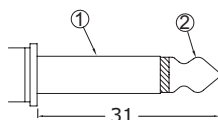
## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.3$  mm

| ITEM | DESCRIPTION   | MATERIAL        | PLATING/COLOR |
|------|---------------|-----------------|---------------|
| 1    | sleeve spring | phosphor bronze | silver        |
| 2    | sleeve shunt  | phosphor bronze | silver        |
| 3    | tip spring    | phosphor bronze | silver        |
| 4    | tip shunt     | bronze          | silver        |
| 5    | bottom spring | phosphor bronze | silver        |
| 6    | housing       | PA66 (UL94V-0)  | black         |
| 7    | nut           | brass           | nickel        |
| 8    | bushing       | PA66 (UL94V-0)  | black         |
| 9    | washer        | paper           | red           |



Recommended PCB Layout  
Top View



Ø6.3 MATING PLUG

|           |                     |
|-----------|---------------------|
| Model No. | MJ-63042J           |
| Schematic |                     |
| PIN       |                     |
| 1         | sleeve              |
| 2         | tip                 |
| 3         | sleeve switch (N-O) |
| 4         | tip switch (N-C)    |

## REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 07/29/2020 |

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

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