

date 06/20/2018

page 1 of 3

MODEL: SP-3530B | DESCRIPTION: AUDIO PLUG

FEATURES

- 3 conductor
- metal cover





SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|-----------------------|----------------------------------|-----|-------|-----|--------|
| rated input voltage | • | | 12 | | Vdc |
| rated input current | | | | 1 | А |
| contact resistance | between plug and jack | | | 50 | mΩ |
| insulation resistance | at 500 Vdc | 100 | | | МΩ |
| voltage withstand | for 1 minute | | | 500 | Vac |
| insertion force | when mating with a standard jack | 0.4 | | 4 | kgf |
| withdrawal force | when mating with a standard jack | 0.4 | | 4 | kgf |
| operating temperature | | -25 | | 70 | °C |
| operating humidity | | | | 85 | % |
| life | | | 5,000 | | cycles |
| flammability rating | see material table | | | | |
| RoHS | yes | | | | |

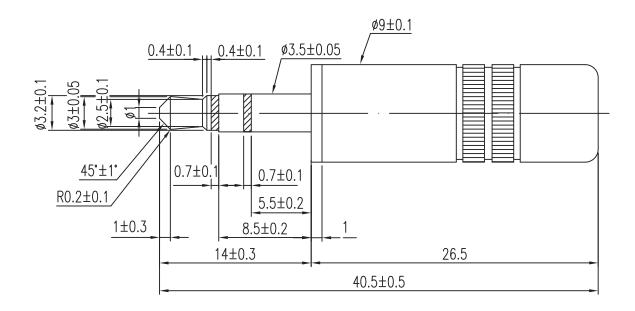
SOLDERABILITY

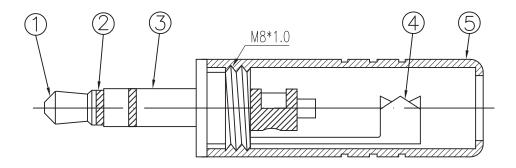
| parameter | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for maximum 1 second | 380 | 400 | 420 | °C |

MECHANICAL DRAWING

units: mm tolerance: X≤1.0: ±0.1 mm 1.0<X≤6.0: ±0.2 mm 6.0<X≤12.0: ±0.3 mm 12.0<X≤25.0: ±0.4 mm X>25.0: ±0.5 mm unless otherwise noted

| DESCRIPTION | MATERIAL | PLATING/COLOR |
|---------------|------------------------------------|---|
| tip | brass | nickel |
| insulator | ABS (UL94HB) | black |
| sleeve | brass | nickel |
| crimp contact | brass | nickel |
| cover | brass | nickel |
| | tip insulator sleeve crimp contact | tip brass insulator ABS (UL94HB) sleeve brass crimp contact brass |





REVISION HISTORY

| rev. | description | date |
|------|-----------------|------------|
| 1.0 | initial release | 06/20/2018 |

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



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