

MODEL: CRJ042-1-TH | **DESCRIPTION:** MODULAR JACK**FEATURES**

- 8P8C (RJ45)
- keyed
- gold over nickel plating
- through hole

**SPECIFICATIONS**

| parameter | conditions/description | min | typ | max | units |
|----------------------------|---|-----|-------|------|--------|
| rated voltage | | | | 150 | Vac |
| rated current | | | | 1.5 | A |
| withstanding voltage | for 1 minute | | 1,500 | | Vac |
| contact resistance | | | | 40 | mΩ |
| insulation resistance | | 500 | | | MΩ |
| insertion/withdrawal force | | | | 6.12 | kgf |
| operating temperature | | 0 | | 70 | °C |
| storage temperature | | -40 | | 80 | °C |
| life | | | 1,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |
| packaging | carton size: 400 x 303 x 258 mm tray QTY: 100 pcs per tray carton QTY: 2,600 pcs per carton | | | | |

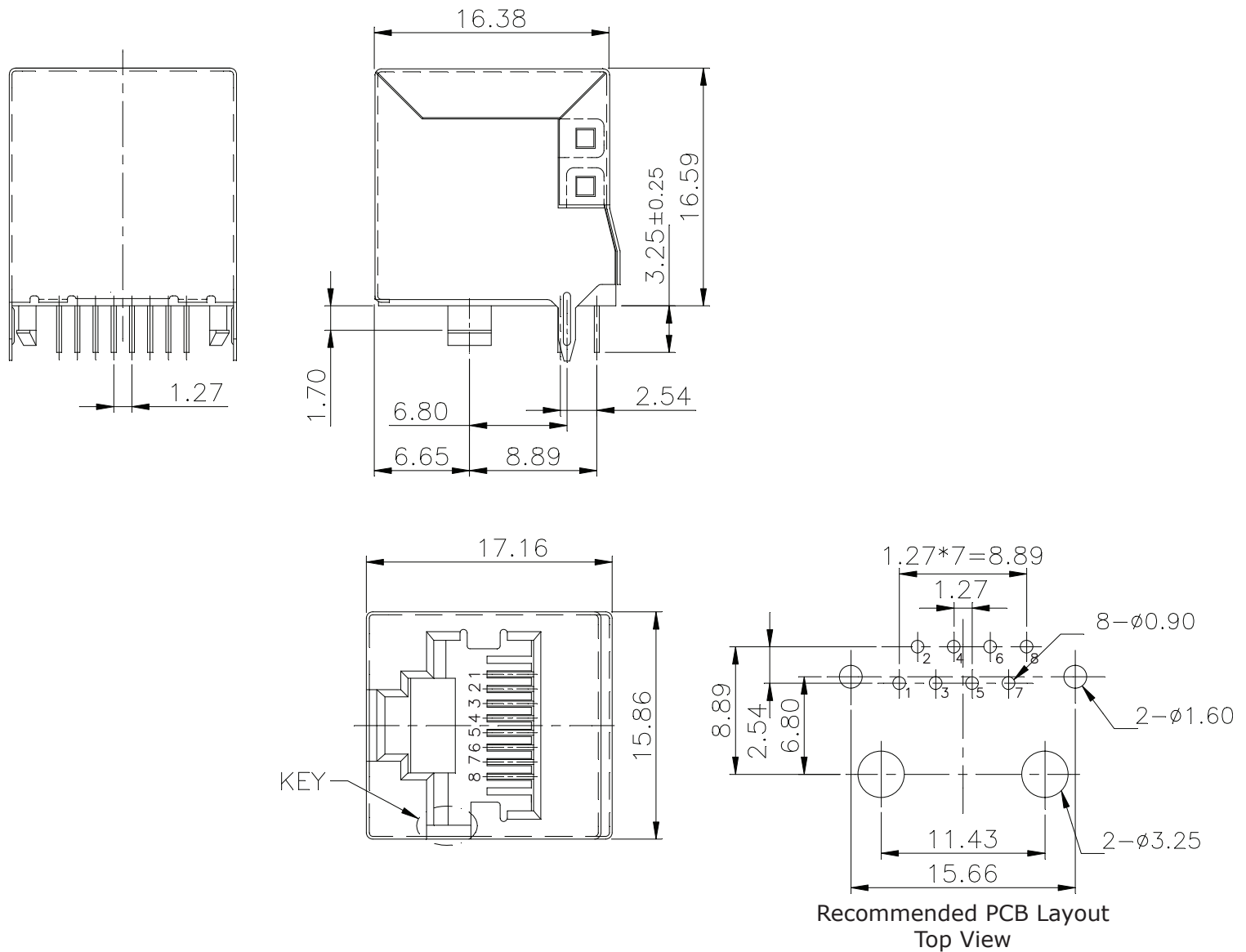
SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| wave soldering | for maximum 5 seconds | | | 240 | °C |

MECHANICAL DRAWING

units: mm
 tolerance:
 X ± 0.5 mm
 X.X ± 0.38 mm
 X.XX ± 0.25 mm
 X.XXX ± 0.10 mm
 PCB: ± 0.05 mm
 PCB thickness: 1.6 mm
 unless otherwise noted

| ITEM | DESCRIPTION | MATERIAL | PLATING/COLOR |
|------|-------------------|-----------------|---|
| 1 | insulator | PBT (UL94V-0) | black |
| 2 | contact terminals | phosphor bronze | contact area: 6 μ " gold over nickel solder area: tin over nickel |
| 3 | shield | brass | nickel |



REVISION HISTORY

| rev. | description | date |
|------|-----------------|------------|
| 1.0 | initial release | 04/05/2021 |

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

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