

**MODEL:** CRJ025-1-TH | **DESCRIPTION:** MODULAR JACK**FEATURES**

- 6P6C (RJ12)
- 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<br>tray QTY: 100 pcs per tray<br>carton QTY: 3,000 pcs per carton |     |       |      |        |

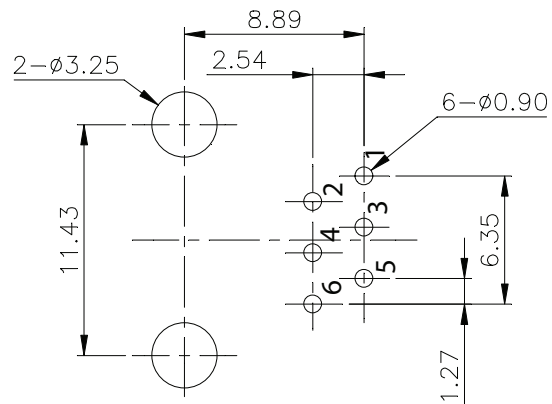
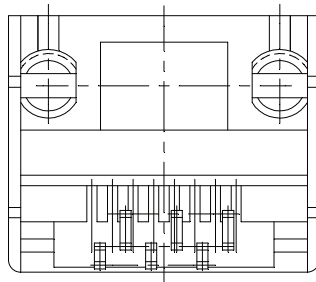
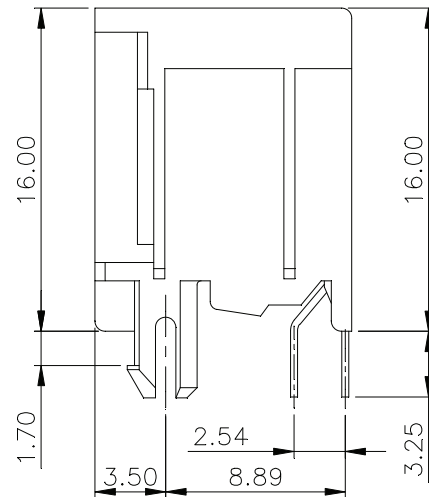
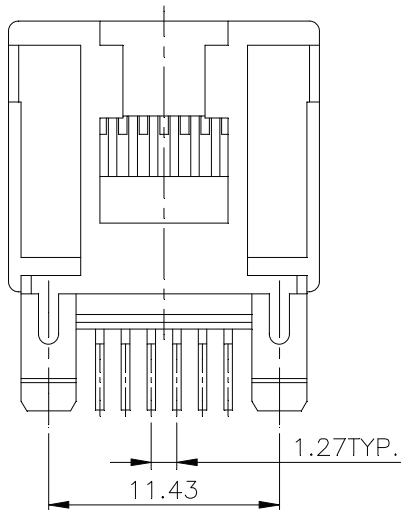
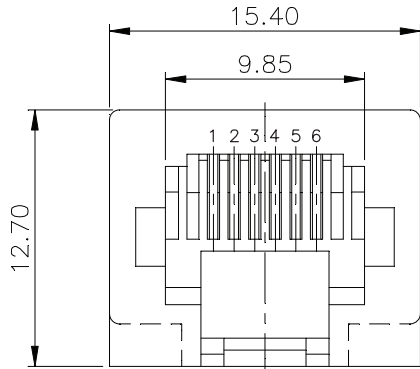
**SOLDERABILITY**

| 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"<br>gold over nickel<br>solder area: matte tin over nickel |



Recommended PCB Layout  
Top View

## REVISION HISTORY

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| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 04/16/2021 |

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

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