

**MODEL:** CRJ063-L1-TH | **DESCRIPTION:** MODULAR JACK

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**FEATURES**

- 8P8C (RJ45)
- LED
- shielded
- vertical orientation

**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 |     |       |      |        |

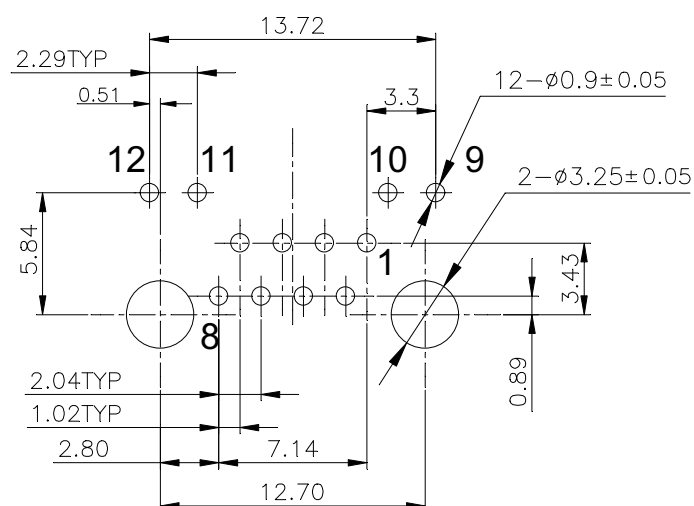
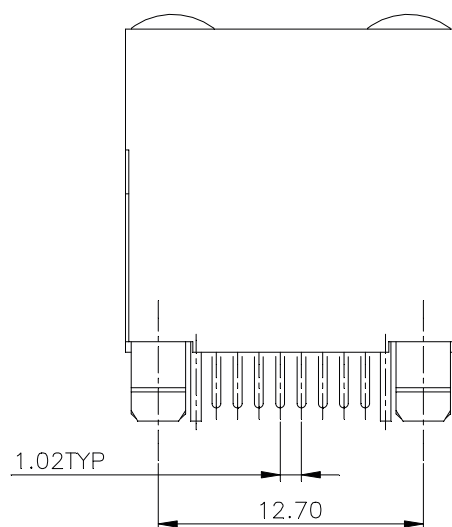
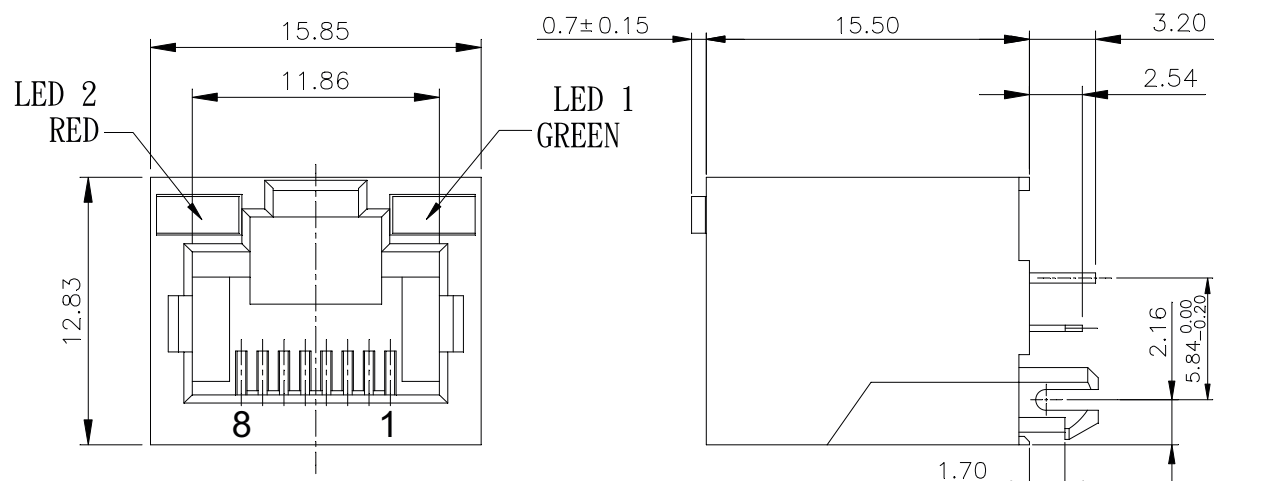
**SOLDERABILITY**

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

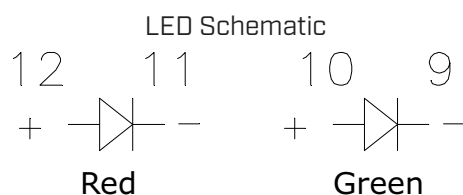
## MECHANICAL DRAWING

units: mm  
 tolerance:  
 X  $\pm 0.5$  mm  
 X.X  $\pm 0.38$  mm  
 X.XX  $\pm 0.25$  mm  
 X.XXX  $\pm 0.10$  mm  
 PCB:  $\pm 0.05$  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 $\mu$ " gold over nickel<br>solder area: matte tin over nickel |



Recommended PCB Layout  
Top View



| LED COLOR | WAVELENGTH | FORWARD VOLTAGE at IF 20 mA |
|-----------|------------|-----------------------------|
| Green     | 565~575 nm | 2.5 V max                   |
| Red       | 620~630 nm | 2.5 V max                   |

## REVISION HISTORY

| rev. | description                  | date       |
|------|------------------------------|------------|
| 1.0  | initial release              | 04/16/2021 |
| 1.01 | logo, datasheet style update | 08/05/2022 |

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



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