

MODEL: CRJ059-L1-TH | **DESCRIPTION:** MODULAR JACK**FEATURES**

- 8P8C (RJ45)
- LED
- shielded
- mounting flange
- high temp plastic

**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: 80 pcs per tray carton QTY: 2,400 pcs per carton | | | | |

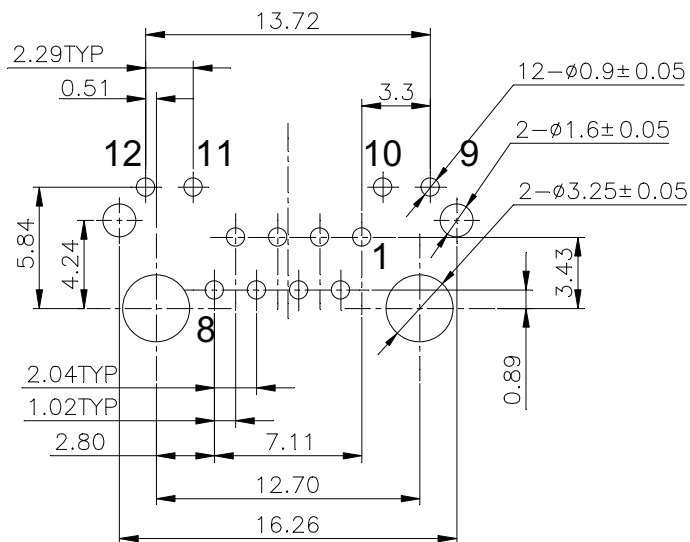
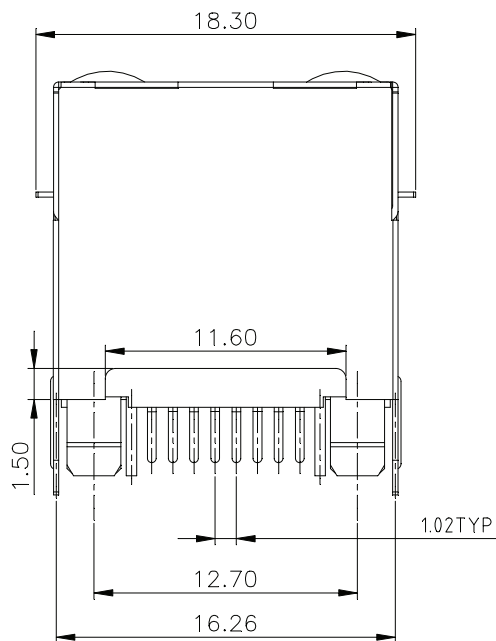
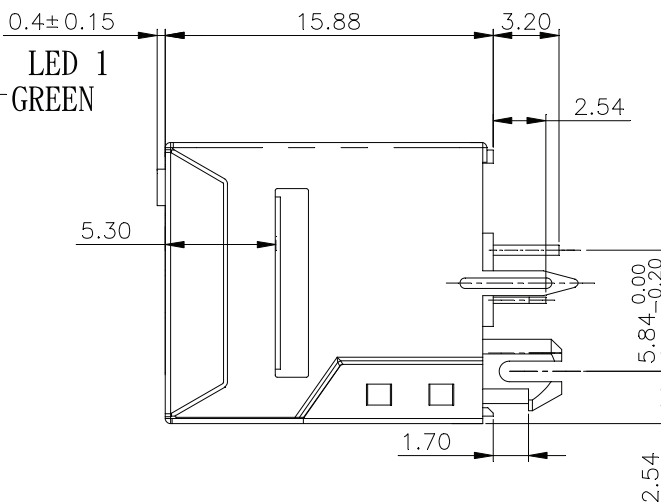
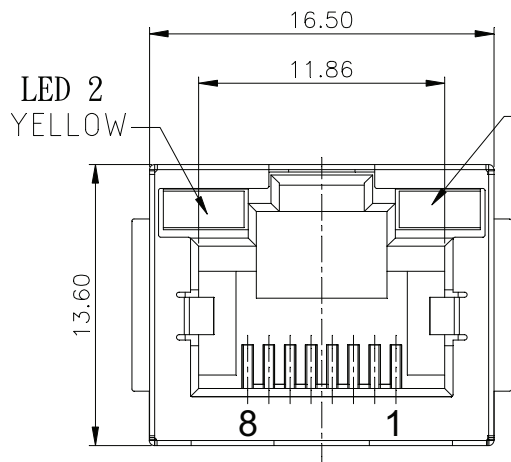
SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| wave soldering | for maximum 5 seconds | | | 260 | °C |

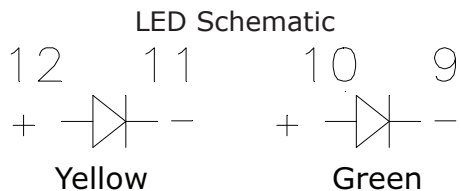
MECHANICAL DRAWING

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 | PA9T (UL94V-0) | black |
| 2 | contact terminals | phosphor bronze | contact area: 6 μ" gold over nickel solder area: tin over nickel |
| 3 | shield | brass | nickel alloy |



Recommended PCB Layout Top View



| LED COLOR | WAVELENGTH | FORWARD VOLTAGE at IF 20 mA |
|-----------|------------|-----------------------------|
| Green | 565~575 nm | 2.5 V max |
| Yellow | 585~595 nm | 2.5 V max |

REVISION HISTORY

| 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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