

# Modular Jacks



## Transparent RJ45 Modular Jack



### Description

The "Transparent RJ45 Modular Jack" is designed with the LED light transmitted to the front space area. The new design has the similar function as "LED Modular Jack" which is patented by competitors. With non-integrated LED inside the RJ45 housing, the transparent RJ45 modular jack can improve the noise signal interference from an LED signal. For some fancy Datacom devices or Notebook PC, the transparent RJ45 can be the best solution to fit customers' requirements. Since the LED is not integrated inside the RJ45 housing, the assembly process is much simpler and cost effective. Currently the design is suitable for through hole type.

### Features

- Emit the LED light through transparent housing
- Durability 500 cycles minimum
- Easy mounting and positioning
- Gold plating or FCC approved GXT™ plating
- Round wire contact
- LED light in the whole front space
- Optional LED light color selected by customer
- Low profile design

### Benefits

- Cost effectively
- Optional gold plating on contact for competitive costs
- No LED noise signal interference
- LED indication function
- Standard RJ45 foot print

### Target Markets

- Computing
- Datacom

### Target Applications

- Notebook PC
- Switch/Hub/Router



<http://www.fciconnect.com>



# Modular Jacks

## Technical Features

### Materials

- Housing: Polycarbonate
- Contact: Phosphor bronze

### Electrical Performance

- Dielectric withstanding voltage: 1000 Vac
- Contact resistance: 20 mΩ max.
- Current rating: 1.5amp dc
- Insulation resistance: 500 MΩ min.

### Mechanical Performance

- Retention force: 5 lb. Min. between jack and plug
- Durability: 500 mating cycles

### Mating Data

- RJ45 plug cable, shielded and unshielded

### Options

- GXT™ plating or gold plating in the contact area

### Specifications

- FCC, section 15 part 68
- FCI product specification GES-12-083

### Approvals

- UL & CSA (Pending)

### Packaging

- Tube

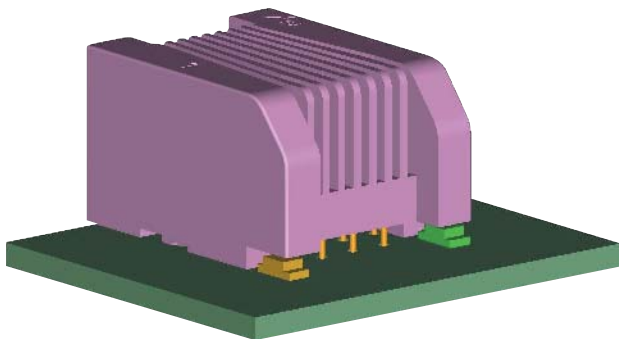
### Part Numbers

- 55664-X8YZ
- X : Plating
- YX : Contact loading

### Patent

- Pending

Application: Transparent RJ45 vs. LEDs



<http://www.fciconnect.com>

Americas Tel.: 800 237 2374; 717 938 7200 • Europe Tel.: 33 1 39 49 21 83 • Asia/Pacific Tel.: 65 549 6666