

## The Ultimate RJ CONNECTOR

### CAPABLE OF MULTIPLE APPLICATIONS AND USES

UltraJax is a revolutionary new RJ connector which provides double the wire contact density of existing RJ Connectors. Wire contacts are located on both the top and the bottom of the connector. The UltraJax provides the capability of being used with both RJ11 and RJ45 type male RJ plug all within on single RJ Connector assembly packaging. With UltraJax one RJ connector provides the same capability of an RJ11/RJ45 combo connectors. A user can simple plug and RJ11 plug in one direction to make contact and and an RJ45 can be plugged in by connecting the plug in another direction. If a user requires the use of both connectors at the same time, an UltraJax male plug provides double the contacts. The UltraJax male plug is design to not only provide double the contact capability but also provides a perfect solution for high-speed Gigabit networking requirements. .

With the new UltraJax multi-port and stackable connectors, users have double the port count of existing non-UltraJax connectors with the use of the UltraJax male plug. The UltraJax male plug cannot misalign or bend when an RJ11 is inserted in an RJ45 position. UltraJax female connectors are provided with optional LEDs which provide status for both the connection on top and the bottom of the connector. UltraJax is a perfect connection for use on computer motherboards, laptops, networking products and telephone products. The UltraJax female connector opening has a cutout in which latch tabs are optionally provided for all application users. UltraJax female can also be optionally keyed for customize locking and insertion.



### PRODUCT FACTS

- RJ Female Connector Capable Of Having Multiple Types Of RJ Male Plugs Attach. - All With One UltraJax Connector
- Usage includes an RJ11/RJ45 combo connector used with existing RJ connectors which insert in different directions or with the use of the UltraJax male plug provides the capability of both with one plug and female connector.
- Usage Includes a high density contact connector for high-speed networking requirements.
- Usage Includes a high density contact connector that provides double the wire capacity of single, multi-port, and stackable RJ connectors.
- UltraJax Female Connectors have Multiple Wire Assemblies located on the Top and Bottom inside the Connector. Male Modular RJ Plugs determine Which Wire Assembly They Attach To By Which Direction They Are Inserted Into The Connector Opening.
- UltraJax Female Connectors Easily Attach to Optional UltraJax Male Plug which mates with both The Top and Bottom Wire Assemblies.
- UltraJax Male Plug Mates Up to 12 wire contacts With An RJ11 Connector Type Plug and Up To 16 Wire Contacts With An RJ45.
- UltraJax manufactured under license for U.S. Patent Pending

# LED MODULAR JACK SPECIFICATIONS

## Mechanical

- **Durability** - 750 mating cycles
- **Mating/Unmating Forces** - 4.5 lbs. Max
- **Operating Temperature** - -40°C to 70°C
- **Storage Temperature** - -20°C to 85°C

## electrical

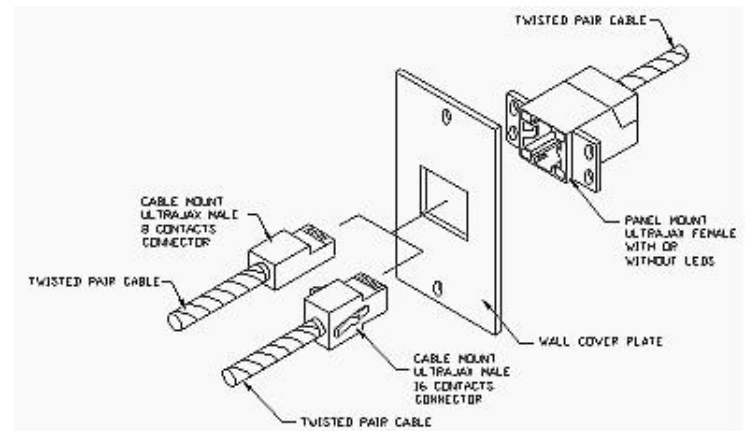
- **Voltage Rating** – AC 150V
- **Withstanding Voltage** - AC 500V on minute
- **Insulation Resistance** - 500m Ohm minute DC 500V
- **Contact Resistance** – 50m Ohm at DC 1A
- **Impedance** - 75 Ohm
- **VSWR** - 1.2max. 0-1500 Mhz

## Material & Finish

- **Housing** - High temperature Nylon, Black, UL 94V-0 rated
- **Contact** - 0.33 [.013] Phosphor bronze, plated 0.00127 [.000050] gold in localized area and 0.00381 [.000150] tin-lead on solder tails, over 0.00127 [.000050] nickel underplate
- **Shield** - 0.25 [.010] copper alloy, tin-lead plated

## UltraJax wallplate applications

One only Rj Male Plug inserts – Picture displays Male plug options



## ORDERING INFORMATION

**ULTRA-2000**  
UltraJax Male Plug

**ULTRAJA-S-11-X-X-XX**  
XRJAX Female PCB Connector

**XRJax-Wall-X-XX-XX**  
UltraJax Wallplates

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