

# Cat 5E 350MHz UTP Jacks

Part Number: CN-C5EC-XX

XX=available in white, ivory, yellow, orange, red, blue, green, black, purple,

grey, light almond



## Dimensions

|        |                     |
|--------|---------------------|
| Depth  | 30.20 mm   1.189 in |
| Height | 16.10 mm   0.634 in |
| Width  | 16.80 mm   0.661 in |

## Construction Materials

|         |  |
|---------|--|
| Housing | High Impact Flame Retardant Plastic, UL 94 v-0 Rated   |
| PCB     | FR4, 1.6mm Thickness   |
| IDC     | Phosphor Bronze Alloy Plated W/100 Micro-Inch of Tin<br>Spring Wire Phosphor Bronze Alloy Plated<br>W/50 Micro-Inch Of Gold Over 70 ~ 100 Mirco-Inch of Nickel |

## Specification

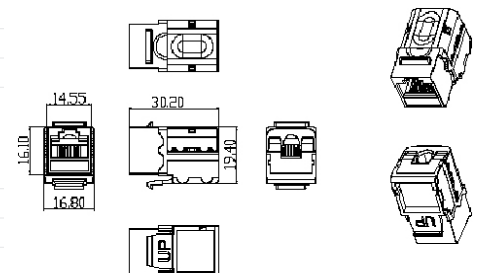
|   |          |
|---|----------|
| Meets ANSI/TIA-568 C.2 Cat 5E Channel & Permanent Link Requirements |          |
| ISO/IEC 11801 Class D Category 5E Performance Standards             |          |
| Meets FCC Part 68   |          |
| Safety Standard   | cUL   UL |
| RoHS 2002/95/EC   |          |

## Environmental Specifications

|                              |                         |
|------------------------------|-------------------------|
| Temperature Range Storage:   | -40°C ~ +70°C           |
| Temperature Range Operation: | -10°C ~ +60°C           |
| Relative Humidity Operation: | Max. Non Condensing 95% |

## Mechanical Specifications

|                               |                                   |
|-------------------------------|-----------------------------------|
| Conductor Gauge, Solid        | 22 AWG   24 AWG   26 AWG          |
| Conductor Gauge, Stranded     | 22 AWG   24 AWG                   |
| Termination Llife:            | 522 Cycles                        |
| Total Contact Force :         | > 100 Grams Per Contact Wire Lead |
| Retention:                    | 50 N(11 lbf) For 60s ± 5s         |
| Durability:                   | 750 Cycles Min.                   |
| Plug Insertion Life Test Plug | IEC 60603-7 compliant plug        |
| Plug Retention Force, Minimum | 30 lbf   133 N                    |
| Rear Termination Type         | IDC                               |
| Wiring                        | T568A   T568B                     |



## Electrical Characteristics

|   |  |
|---|--|
| Insulation Resistance                                 | 500 MOhm Min. @100 VDC                                   |
| Dielectric Withstanding Voltage                       | 1000 Vac rms @ 60Hz<br>For One Minute Contact-to-Contact |
| Current Rating  | 1.5Amps  |
| Spring Wire Contact Resistance                        | 20 MOhm Max.   |
| IDC Contact Resistance                                | 2.5 MOhm Max.  |
| Current Rating  | 1.5 A @ 20 °C<br>1.5 A @ 68 °F                           |
| Dielectric Withstand Voltage, RMS, Conductive Surface | 1500 Vac @ 60 Hz   |
| Dielectric Withstand Voltage, RMS, Contact-To-Contact | 1000 Vac @ 60 Hz   |