8P8C High Density Category 6 Module

Package Includes:
A. 8P8C HD Category 6 Module, 1 pc
B. Wire Cap, 1 pc

Features and Benefits:
- CAT 6 rated connectors provide excellent performance for data networks requiring maximum speed and bandwidth
- PCB technology provides maximum performance and superior signal quality
- Enhanced crosstalk cancellation reduces return loss and improves performance by rejecting noise and unwanted signals
- Exceeds ANSI/TIA-568-C requirements for permanent, channel link and component performances
- Engineered to provide 110 IDC termination reducing installation time
- Reduced rear footprint allows for greater connectivity density and provides for more port configurations in a smaller area
- Includes an integrated TIA-568A/B color wiring diagram
- Backwards compatible to all lower rated category components
- Compatible with all IC107 faceplates, inserts, surface mount boxes, and blank patch panels
- Compatible with all IC108 furniture faceplates, bezels, and surface mount boxes
- Used with ICC Category 6 ICPCS6K series patch cords, 110 punch down single blade tool ICACSPD70 and JackEasy 4-Pair termination tool ICACSPDTEH
- Available in almond, black, blue, gray, green, ivory, orange, purple, red, white, and yellow
- UL 1863 compliant

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<th>MODULE, CAT 6, HD</th>
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NOTE: UNLESS OTHERWISE SPECIFIED

1. CAT 6 MODULE:
A. ELECTRICAL:
   - CURRENT RATING: 1.5 AMPS
   - INSULATION RESISTANCE: 500 MOHMS MIN
   - CONTACT RESISTANCE: 20 MOHMS MAX
   - DC RESISTANCE: 0.1 OHM MAX
   - TRANSMISSION PERFORMANCE EXCEEDS CATEGORY 6 CONNECTING HARDWARE REQUIREMENTS SPECIFIED IN ANSI/TIA-568-C.2 WHEN USED WITH COMPATIBLE HORIZONTAL CABLE

B. MECHANICAL:
   - PLUG INSERTION LIFE: 750 CYCLES MIN
   - PLUG & JACK CONTACT FORCE: 100 GRAMS MIN USING FCC APPROVED PLUG
   - PLUG RETENTION FORCE: 50N (11 LBS) FOR 60s ± 5s
   - TEMPERATURE: -40° TO 150° F (-40° TO 68° C)

C. PHYSICALS:
   - HOUSING: ABS, UL 94V-0
   - JACK WIRING: PHOSPHOR BRONZE ALLOY PLATED WITH 50 μin OF GOLD OVER 70–100 μin OF NICKEL
   - CONNECTOR: INSULATION DISPLACEMENT CONNECTOR (IDC) ACCEPTS 22–24 AWG SOLID WIRE

D. COLORS: XX: AL-ALMOND, BK-BLACK, BL-BLUE, GN-GREEN, GY-GRAY, IV-IVORY, OR-ORANGE, PR-PURPLE, RD-RED, WH-WHITE, & YL-YELLOW

2. TERMINATION CAP:
   A. MATERIAL: PC, UL 94V-0
   B. COLOR: TRANSPARENT RED

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**MODULE, CAT 6, HD**

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**WIRING DIAGRAM**

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**CATEGORY 6 CONNECTING HARDWARE REQUIREMENTS**

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<th>FREQUENCY (MHz)</th>
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<td>75.0</td>
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