

# 8P8C CAT 5e EZ Modular Connector

## Package Includes

- A. CAT 5e EZ Module, 1 PC.
- B. Wire Cap, 1 PC.



## Features and Benefits

- CAT 5e rated connectors provide excellent performance for data networks requiring maximum speed and bandwidth.
- PCS 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
- Pair-to-Pair wiring for easy termination and best performance
- Includes an integrated TIA-568A/B color wiring diagram
- Backwards compatible to all lower rated category components
- Compatible with most IC107 faceplates, inserts, surface mount boxes, and blank patch panels.\*
- Compatible with most IC108 furniture faceplates, bezels, and surface mount boxes.\*
- Used with ICC Category 5e ICPCSJ series patch cords, Jackeasy Termination Tool ICACSPDTEH, and 110 punch down tool ICACSPDT00
- Available in almond, black, blue, gray, green, ivory, orange, purple, red, white, and yellow
- UL 1863 compliant

Note:

*\*Check faceplates, inserts, surface mount boxes, bezel, or blank patch panel part for compatibility\**

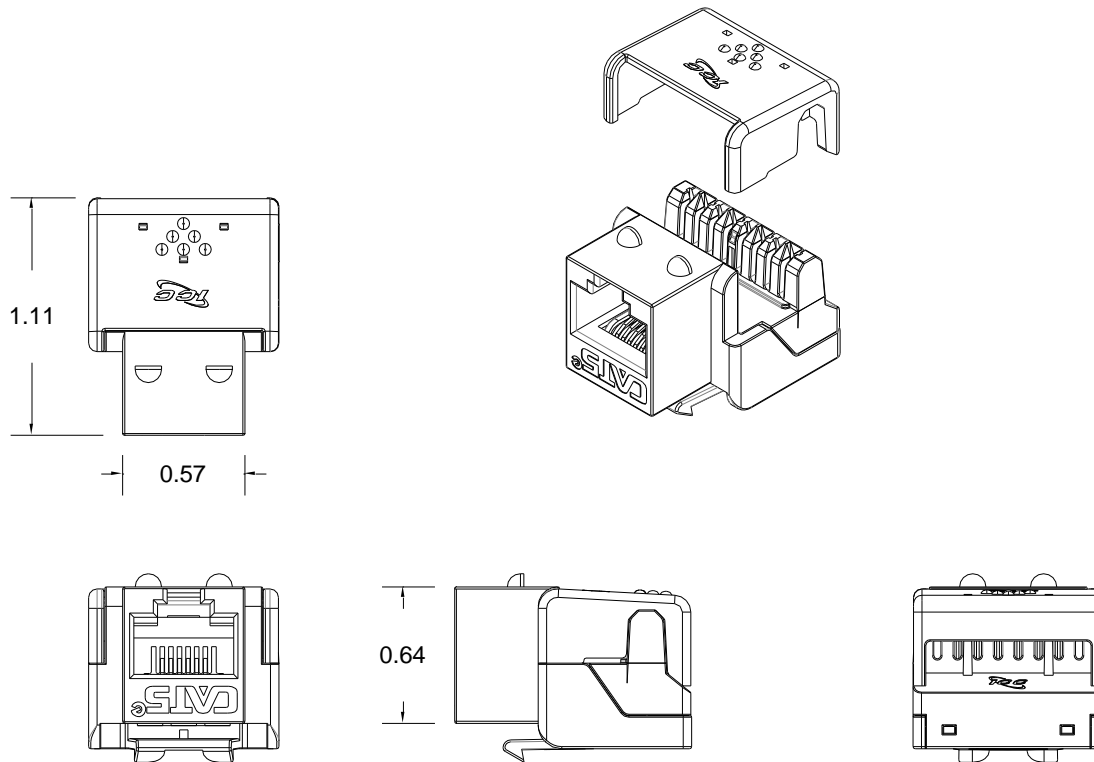
Part No: IC1078E5XX

Rev: F

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## **NOTE: UNLESS OTHERWISE SPECIFIED**

### 1. CAT 5e Module:

#### A. Electrical:

- Current Rating: 1.5 AMPS
- Insulation Resistance: 500 MOHMS Min
- Contact Resistance: 20 MOHMS Max
- DC Resistance: 0.1 OHM Max

#### 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  $\pm$  5s
- Temperature: -40° to 150°F (-40° to 68°C)

#### C. Physicals:

- Housing: High Impact, Flame Retardant Plastic, UL 94V-0
- Jack Wiring: Phosphor Bronze Alloy Plated with 50  $\mu$ m of Gold  
over 70~100  $\mu$ m of Nickel
- Connector: Insulation Displacement Connector (IDC)
- Accepts 22~24 AWG Solid Wire

- D. Colors: XX: AL-Almond, BK-Black, BL-Blue, GY-Gray, IV-Ivory,  
OR-Orange, PR-Purple, RD-Red, WH-White, & YL-Yellow

**CAT 5e Connecting Hardware Requirements**

| Frequency (MHz)     | 1.0  | 4.0  | 8.0  | 10.0 | 16.0 | 20.0 | 25.0 | 31.25 | 62.5 | 100  |
|---------------------|------|------|------|------|------|------|------|-------|------|------|
| NEXT Loss (dB)      | 65.0 | 65.0 | 64.9 | 63.0 | 58.9 | 57.0 | 55.0 | 53.1  | 47.1 | 43.0 |
| FEXT Loss (dB)      | 75.1 | 63.1 | 57.0 | 55.1 | 51.0 | 49.1 | 47.1 | 45.2  | 39.2 | 35.1 |
| RETURN Loss (dB)    | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 34.0 | 32.0 | 30.1  | 24.1 | 20.0 |
| Insertion Loss (dB) | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.20 | 0.20  | 0.30 | 0.40 |

**WIRING DIAGRAM**

