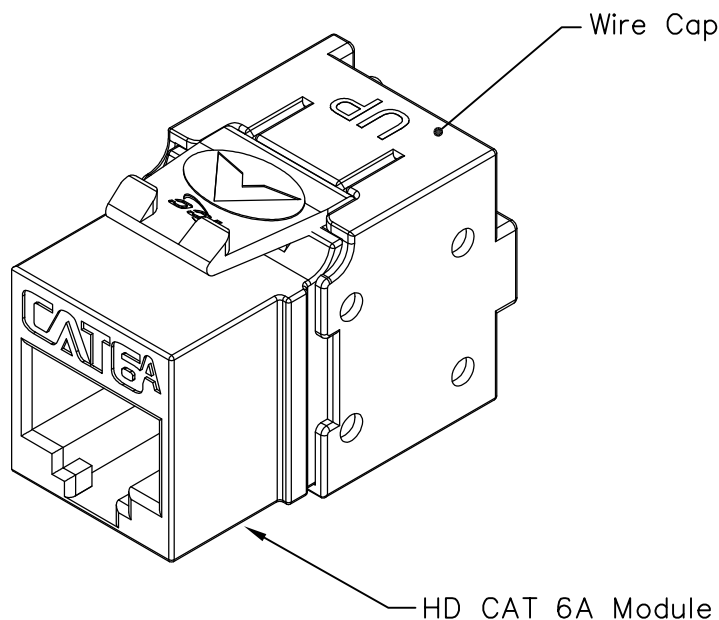


# 8P8C High Density Category 6A Module

## PRODUCT SPECIFICATION

### Package includes:

- A. 8P8C HD Category 6A Module, 1 pc
- B. Shielded Wire Cap, 1 pc



### Features and Benefits:

- CAT 6A 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
- Engineered to provide 110 IDC termination reducing installation time
- Used with ICC 110 punch down tool ICACSPDT00 and JackEasy Tool ICACSPDTEH
- Includes an integrated TIA-568A/B color wiring diagram
- Reduced rear footprint allows for greater connectivity density and provides for more port configurations in a smaller area
- Compatible with ICC CAT 6A UTP blank patch panel IC107PPU6A, faceplates and surface mount boxes
- Exceeds ANSI/TIA-568-C requirements for permanent, channel link and component performances
- UL 1863 compliant

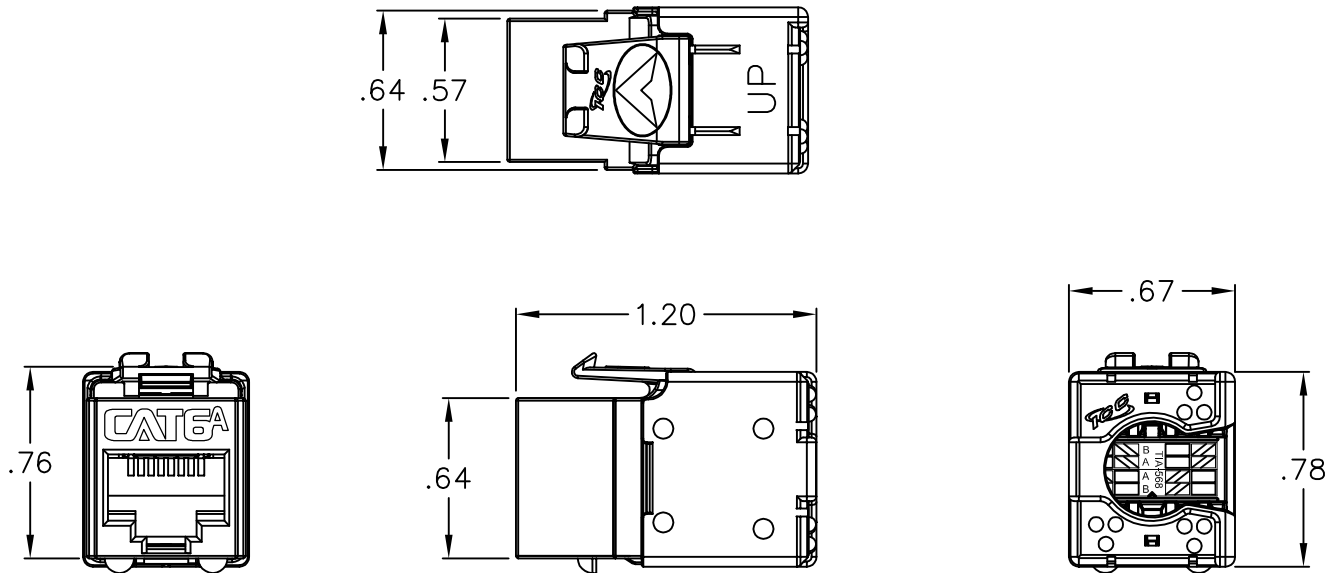
### MODULE, CAT 6A, HD

|          |            |
|----------|------------|
| ITEM NO. | IC1078GAXX |
| DWG NO.  | PS1078GA00 |

|          |   |
|----------|---|
| REV.     | C |
| PAGE NO. | 1 |



CUSTOMER CARE / TECHNICAL SUPPORT \* CSR@ICC.COM / 888-ASK-4-ICC (275-4422) \* 2100 E. Valencia Dr, Suite D, Fullerton, CA 92831 \* www.icc.com



**NOTE: UNLESS OTHERWISE SPECIFIED**

1. CERTIFICATION:

A. MEETS ANSI/TIA-568-C.2 (500MHz)

2. ENVIRONMENTAL CONDITION:

A. STORAGE: -40 TO +70° C

B. OPERATION: -10 TO +60° C

3. ELECTRICAL:

A. ELECTRICAL INSULATION RESISTANCE: 500 MΩ MIN @ 100V DC

B. DIELECTRIC WITHSTANDING VOLTAGE: 1000V DC OR AC PEAK CONTACT TO CONTACT @ 60Hz FOR 1 MINUTE

C. SPRING WIRE CONTACT RESISTANCE: 20 MΩ MAX.

D. IDC CONTACT RESISTANCE: 2.5 MΩ MAX.

4. MECHANICAL:

A. RETENTION: 50N (11 LBF) FOR 60s +/-5s

B. INSERTION/EXTRACTION LIFE: 750 CYCLES MIN.

5. CAT 6A MODULE:

A. MATERIAL:

-HOUSING: HIGH-IMPACT, FLAME RETARDANT PLASTIC, UL 94V-0

-IDC HOUSING: HIGH-IMPACT, FLAME RETARDANT PLASTIC, UL 94V-0

-IDC CONTACT: PHOSPHOR BRONZE ALLOY WITH 100 μin, 100% SN ALLOY

-WIRE GAUGE: 22~24 AWG SOLID WIRE

-SPRING WIRE: PHOSPHOR BRONZE ALLOY PLATED WITH 50 μin OF GOLD OVER 70~100 μin OF NICKEL

B. COLORS: XX = BK-BLACK, BL-BLUE, IV-IVORY, OR-ORANGE, RD-RED, WH-WHITE

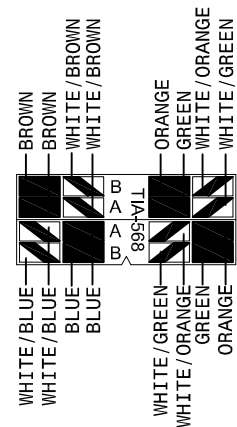
6. SHIELDED WIRE CAP:

A. MATERIAL: HIGH-IMPACT, FLAME RETARDANT PLASTIC, UL 94V-0

B. COLOR: BLACK

| CATEGORY 6A CONNECTING HARDWARE REQUIREMENTS |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |
|----------------------------------------------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|
| FREQUENCY (MHz)                              | 1.0  | 4.0  | 8.0  | 10.0 | 16.0 | 20.0 | 25.0 | 31.25 | 62.5 | 100  | 200  | 250  | 300  | 400  | 500  |
| NEXT LOSS (db)                               | 75.0 | 75.0 | 75.0 | 74.0 | 69.0 | 68.0 | 66.0 | 64.1  | 58.1 | 54.0 | 48.0 | 46.0 | 42.9 | 37.9 | 34.0 |
| FEXT LOSS (db)                               | 75.0 | 71.1 | 65.0 | 63.1 | 59.0 | 57.1 | 55.1 | 53.2  | 47.2 | 43.1 | 37.1 | 35.1 | 33.6 | 31.1 | 29.1 |
| RETURN LOSS (db)                             | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0  | 30.0 | 28.0 | 22.0 | 20.0 | 18.5 | 16.0 | 14.0 |
| INSERTION LOSS(db)                           | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11  | 0.16 | 0.20 | 0.28 | 0.32 | 0.35 | 0.40 | 0.45 |

**WIRING DIAGRAM**



UL US FILE NO. 125268

**MODULE, CAT 6A, HD**

ITEM NO. IC1078GAXX

REV. C

DWG NO. PS1078GA00

PAGE NO. 2



CUSTOMER CARE / TECHNICAL SUPPORT \* CSR@ICC.COM / 888-ASK-4-ICC (275-4422) \* 2100 E. Valencia Dr, Suite D, Fullerton, CA 92831 \* www.icc.com