

## RJ45 connector

| REV. | ECN NO. | DESCRIPTION | DATE       | APPD |
|------|---------|-------------|------------|------|
| A    | REL     |             | 2011/12/16 |      |

  

**Mechanical:**

Top View Dimensions: 32.25±0.25 (width), 28.44±0.20 (width), 8.25 (height), 2.54 (height), 14.48 (width), 20.95 (width), 2.54 (height), 15.49 (width), 7.11 (width), 5.37 (width), 4.19 (width).

Side View Dimensions: 28.15±0.25 (width), 25.40±0.25 (height), 15.49 (width), 7.11 (width), 5.54 (width), 3.00±0.30 (height), 2.54 (height), 14.48 (width), 20.95 (width).

Front View Dimensions: 28.44±0.20 (width).

**NOTES:**

**ELECTRICAL:**

- VOLTAGE RATING: 125V AC.
- CURRENT RATING: 1.5A.
- CONTACT RESISTANCE: 30 mΩ MAX.
- INSULATION RESISTANCE: 500 MΩ MIN @ 500V DC.
- DIELECTRIC STRENGTH: 1000V AC 50Hz or 60Hz, 1MIN.

**MECHANICAL:**

- INSERT MATERIAL: UL94V-0.
- CONTACT MATERIAL: ∅0.46mm C51000 (QSn4-0.3) PHOSPHOR BRONZE GOLD PLATING OVER NICKEL.
- SHIELD: 0.20mm THICKNESS H65Y BRASS NICKEL PLATED.
- MATING/UNMATING FORCE: 2.2KG.F MAX.
- RETENTION STRENGTH: 3.0KG.F MIN BETWEEN JACK AND PLUG.
- OPERATING LIFE: 750 CYCLES MIN.

**ENVIRONMENTAL:**

- STORAGE: -40°C ~ +85°C RELATIVE HUMIDITY<70%.
- OPERATION: -40°C ~ +85°C.

  

PC Board Layout Dimensions: 1.27X7=8.89, 13.72, 8.64, ∅1.02, 4-∅1.70, ∅1.00, 15.49, 2.54, 7.11, 1.27, 15.75, 28.44, 32.00, 14.48, 20.95, 2-∅3.25.

AKPJE107-XA4NL

| Gold Plating | "X"                                   |
|--------------|---------------------------------------|
| Gold Flash   | 0 <input checked="" type="checkbox"/> |
| 1.5u"        | 1 <input type="checkbox"/>            |
| 3u"          | 2 <input type="checkbox"/>            |
| 6u"          | 3 <input type="checkbox"/>            |
| 15u"         | 4 <input type="checkbox"/>            |
| 30u"         | 5 <input type="checkbox"/>            |
| 50u"         | 6 <input type="checkbox"/>            |

  

| Emitting Color | λp(nm) | VF@IF=20mA | IR @VR=5V |
|----------------|--------|------------|-----------|
| GREEN          | 565    | 1.8~2.6V   | 10 μA max |
| YELLOW         | 585    | 1.8~2.6V   | 10 μA max |

|             |            |  |
|-------------|------------|--|
| X:X ±0.30   | APPD:      |  |
| X:XX ±0.25  | CHKD:      |  |
| X:XXX ±0.05 | DR:        | TITLE: SIDE ENTRY PCB JACK WITH SHIELD |
| ANGLES ±1°  | UNIT: mm   | PART NO.: AKPJE107-0A4NL               |
|             | SCALE: 2/1 | SHEET: 1/1                             |
|             | REV: A     | DWG NO.: AKP11121603                   |