

RJ45 connector

Mechanical:	REV.	ECN NO.	DESCRIPTION	DATE	APPD
	A	REL		2023-05-30	

Top View Dimensions: 63.75±0.25, 15.75*3=47.25

Side View Dimensions: 28.15±0.25, 25.40±0.25, 3.00±0.30, 5.37, 7.11, 8.25, 4.19, 14.48, 15.49, 20.95

Front View Dimensions: 59.94

PC Board Layout Dimensions: 13.49, 2.54, 2.54, 7.11, 13.72, 8.64, ±1.02, 4-±1.70, ±1.00, 12.7, 15.75*3=47.25, 14.48, 20.95, 2-±0.28, 59.94, 63.50

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: PBT UL94V-0.
- CONTACT MATERIAL: ∅0.46mm CS1000(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.
- Wave solder tip temperature and time: 250°C, 5 Sec

LEFT LED: 11, 12, 15, 16

RIGHT LED: 9, 10, 13, 14

Emitting Color	λp(nm)	Vf@If=20mA	IR @Vr=5V
GREEN	565	1.8~2.6V	10 μA max
RED	700	1.8~2.6V	10 μA max

AKPJE108-XA66NL	
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"/>

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:	PART NO.: AKPJE108-0A66NL		
		SCALE:	2/1	SHEET:	1/1
		REV:	A	DWG NO.:	AKP23053019