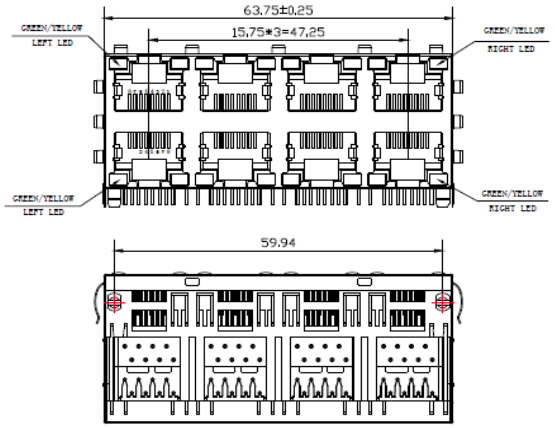
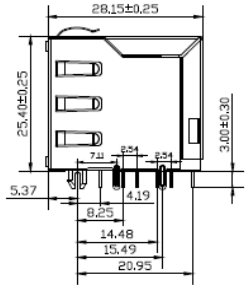
RJ45 connector

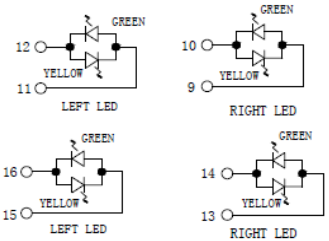
Mechanical:

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





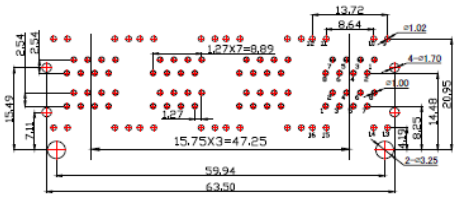
NOTES:
ELECTRICAL:
1. VOLTAGE RATING: 125V AC.
2. CURRENT RATING: 1.5A.
3. CONTACT RESISTANCE: 30 mΩ MAX.
4. INSULATION RESISTANCE: 500 MΩ MIN @ 500V DC.
5. DIELECTRIC STRENGTH: 1000V AC 50Hz or 60Hz, 1MIN.
MECHANICAL:
1. INSERT MATERIAL: PBT UL94V-0.
2. CONTACT MATERIAL: DIAMETER 0.46mm C51000(QSn4-0.3)PHOSPHOR BRONZE GOLD PLATING OVER NICKEL.
3. SHIELD: 0.20mm THICKNESS H65Y BRASS NICKEL PLATED.
4. MATING/UNMATING FORCE: 2.2KG.F MAX.
5. RETENTION STRENGTH: 3.0KG.F MIN BETWEEN JACK AND PLUG.
6. OPERATING LIFE: 750 CYCLES MIN.
ENVIRONMENTAL:
1. STORAGE: -40℃ ~ +85℃ RELATIVE HUMIDITY<70%.
2. OPERATION: -40℃ ~ +85℃.
3. Wave solder tip temperature and time: 250℃, 5 Sec.



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

AKPJE108-XA4NL

Gold Plating	"X"
Gold Flash	0 ☑
1.5u"	1 ☐
3u"	2 ☐
6u"	3 ☐
15u"	4 ☐
30u"	5 ☐
50u"	6 ☐



PC Board Layout

RoHS 2011/65/EU

X:X ±0.30	APPD:	akyga passive	
X:XX ±0.25	CHKD:	TITLE: SIDE ENTRY PCB JACK WITH SHIELD	
X:XXX ±0.05	DR:		
ANGLES ±1°	UNIT: mm	PART NO.: AKPJE108-0A4NL	
SCALE: 2/1	SHEET: 1/1	REV: A	DWG NO.: AKP23053022