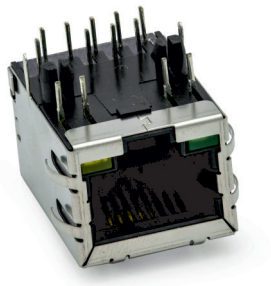
69314 Series RJ45 PoE 10/100 BASE-TX w/ LED

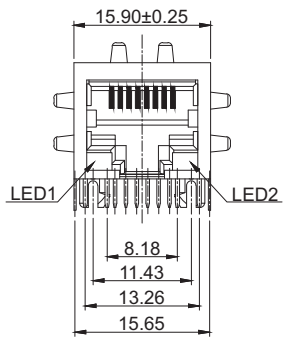
General specifications	
Insulator material	High temperature plastic, UL94V-0
Contact material	Phosphor bronze
Contact plating	Gold over nickel
Shield material	Brass, plating: nickel
Insulator resistance	1000 MΩ min.
Dielectrical withstanding	1500 VAC for 1 min
Durability	750 cycles
Operation temperature	-40 °C to +85 °C
Complies with	IEEE 802.3u
Soldering	Lead free wave soldering process
Mating parts series	

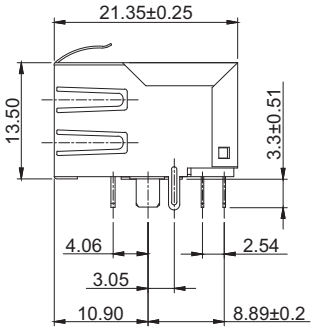


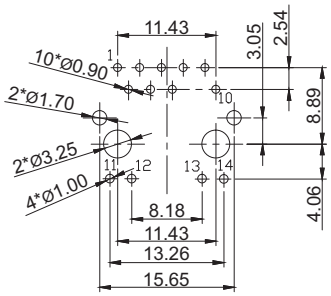
RoHS compliant

Mechanical dimensions

Unit: mm

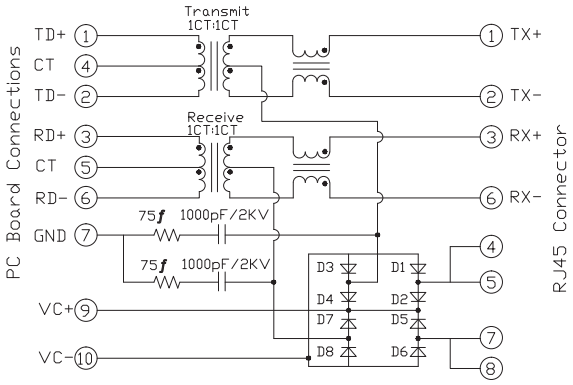


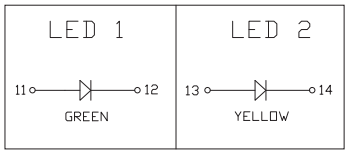




Recommended P.C.B. layout
component side

Schematic: 67B





Turns ratio	Inductance	Insertion loss	Return loss			Cross talk	Common mode
		1 - 100 MHz	1 - 30 MHz	30 - 60 MHz	60 - 80 MHz	1 - 100 MHz	1 - 100 MHz
1:1	350 µH min. @ 0.1 V, 100 KHz, 8 mA DC Bias	-1.1 dB max.	-18 dB min.	-16 dB min.	-12 dB min.	-30 dB min.	-30 dB min.

Tolerances		
Linear	.X	± 0.20
	.XX	± 0.15
	.XXX	± 0.10

Note: other schematics and LED polarity on customer request

Part numbering guide

69314	C	67B	G	Y	0
Series	Contact plating	Schematics	Color LED1	Color LED2	Ground spring

Contact plating
C = 3 µ" gold
D = 6 µ" gold
F = 15 µ" gold
J = 30 µ" gold
K = 50 µ" gold

Schematics
67B
others on request

Color LED1
N = w/o LED
D = Green/yellow
G = Green
Y = Yellow

Color LED2

Ground spring
0 = w/o spring
1 = Top spring
2 = Side spring
3 = Top and side spring

* standard

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