

69249 Series

SMT RJ45 10/100 BASE-T w/ LED

General specifications

Insulator material	LCP, UL94V-0
Contact material	Copper alloy
Contact plating	Gold over nickel
Shield material	Brass, plating nickel
Insulator resistance	1000 M Ω min.
Dielectrical withstanding	1500 VAC for 1 min
Durability	750 cycles
Operation temperature	0 °C to +70 °C
Soldering	JEDEC lead free reflow soldering process

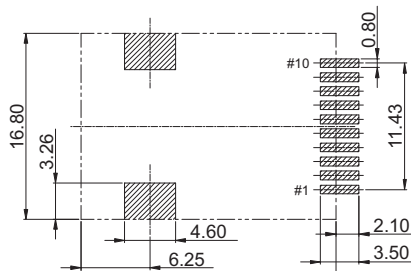
Mating parts series



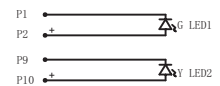
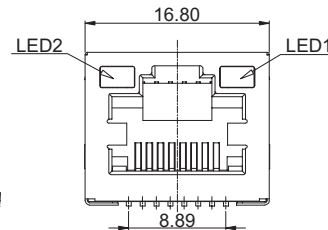
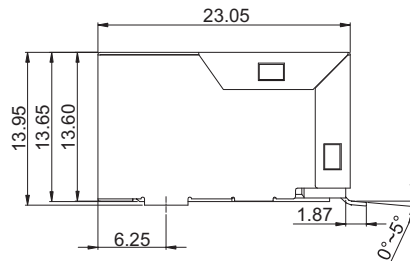
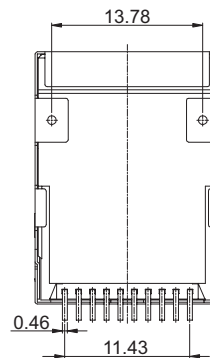
RoHS compliant

Mechanical dimensions

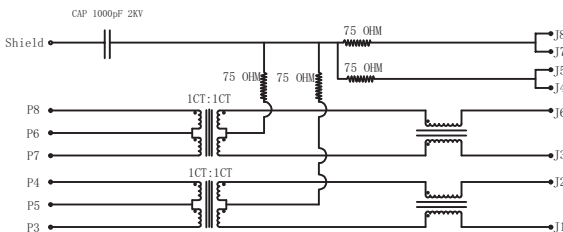
Unit: mm



Recommended P.C.B. layout
tolerances: ± 0.10 , component side



Schematic 1205



LED with forward current of 20 mA

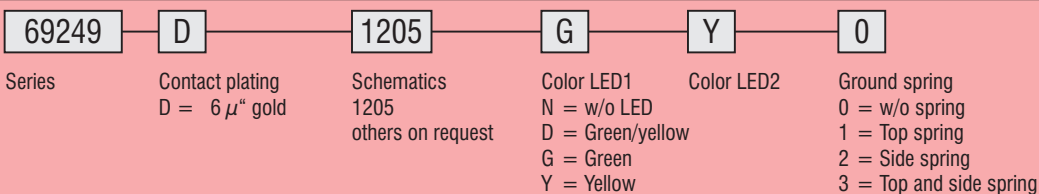
Standard LED	Wavelength	Forward*V(max.)	Typ
Green	565 nm	2.4 V	2.2 V
Yellow	590 nm	2.5 V	2.1 V

Turns ratio	Inductance	DC resistance	Insertion loss				Cross talk	Common mode
			1 - 100 MHz	1 - 30 MHz	30 - 60 MHz	60 - 80 MHz		
1:1	350 μ H min. @ 0.1 V, 100 KHz, 8 mA DC Bias	1.2 Ω max.	-1.2 dB max.	-16 dB min.	-12 dB min.	-10 dB min.	-30 dB min.	-30 dB min.

Tolerances	
Linear	± 0.25

Note: other schematics and LED polarity on customer request

Part numbering guide



* standard

