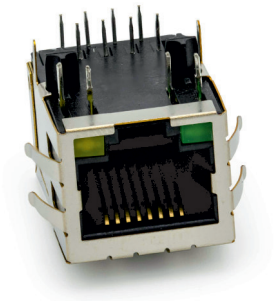
68340 Series RJ45 10/100 BASE-TX with LED

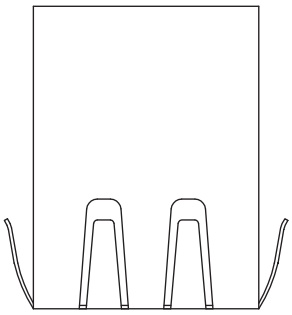
General specifications	
Insulator material	High temperature plastic, UL94V-0
Contact material	Phosphor bronze
Contact plating	Gold over nickel
Shield material	Brass, plating: nickel
Insulator resistance	1000 MΩ min.
Dielectrical withstanding	1500 VAC for 1 min
Durability	750 cycles
Operation temperature	-40 °C to +85 °C
Complies with	IEEE 802.3, ANSI X3.263
Soldering	Lead free wave soldering process
Mating parts series	

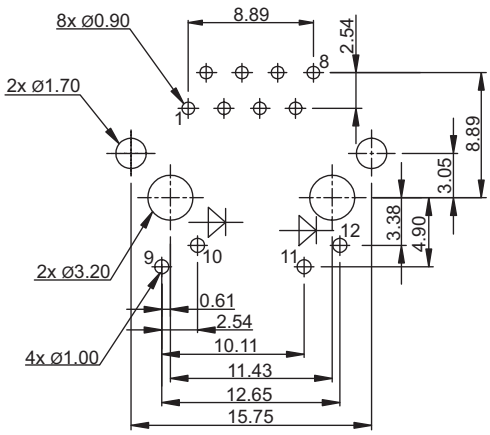


RoHS compliant

Mechanical dimensions

Unit: mm

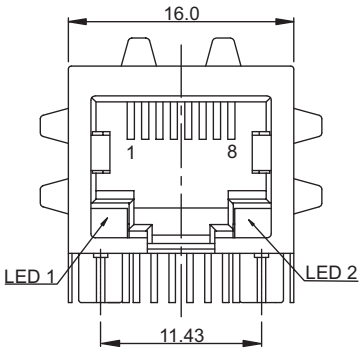


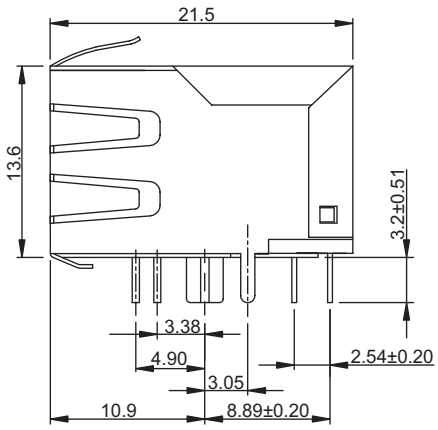


Recommended P.C.B. layout

LED default polarity
(or acc. customer request)

9	10	11	12
+	-	+	-





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

continued on page 2

Part numbering guide

68340	C	008	G	Y	0
Series	Contact plating C = 3 µ" gold D = 6 µ" gold F = 15 µ" gold J = 30 µ" gold K = 50 µ" gold	Schematics see page 2	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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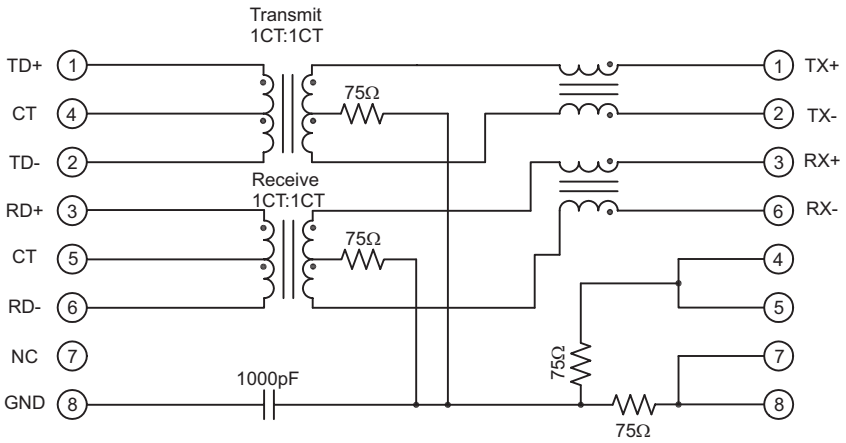
Mechanical dimensions

Unit: mm

Schematics: 008

Note: other schematics and LED polarity on customer request



Turns ratio	Inductance	DC resistance	Insertion loss	Return loss		Cross talk	Common mode
			1 - 100 MHz	1 - 30 MHz	60 - 80 MHz	1 - 80 MHz	30 - 100 MHz
1:1	350 µH min. @ 0.1 V, 100 KHz, 8 mA DC Bias	1.2 Ω max.	-1.1 dB max.	-18 dB min.	-12 dB min.	-35 dB min.	-35 dB

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

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