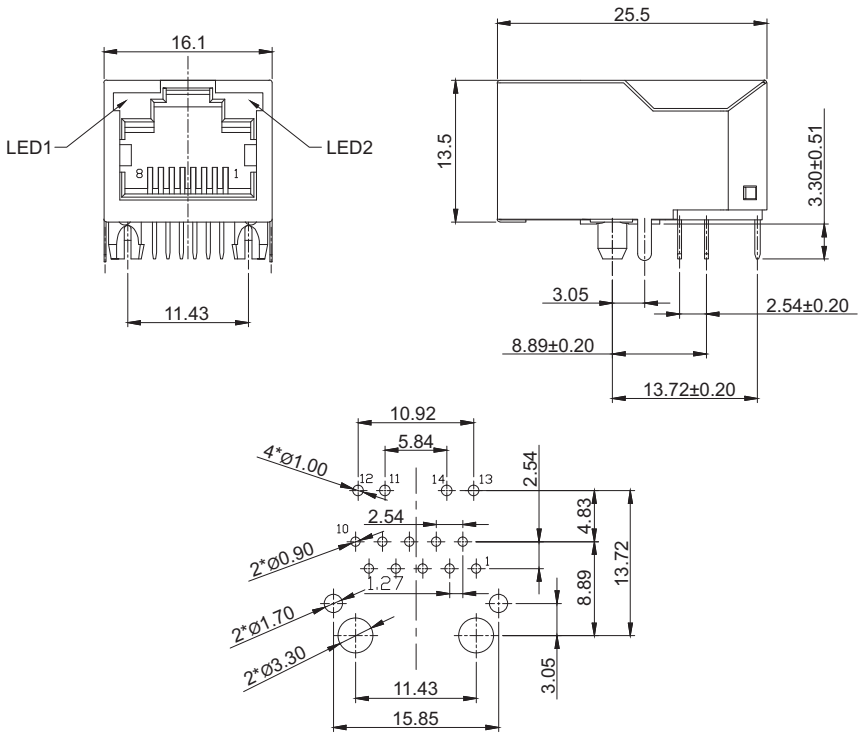
69377 Series RJ45 10/100/1000 BASE-T w/ LED

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 802.3
Soldering	Lead free wave soldering process
Mating parts series	

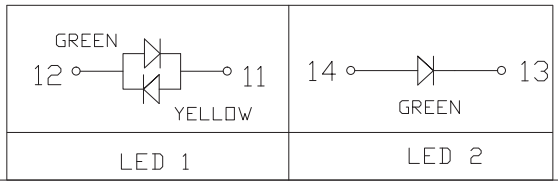
RoHS compliant

Mechanical dimensions

Unit: mm



Recommended P.C.B. layout
top view



Tolerances	
Linear	± 0.25

continued on page 2

Part numbering guide

69377	C	1302	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

* standard

info@nexus-de.com
www.nexus-de.com
phone +49 (0)531 / 23 142-0
fax +49 (0)531 / 23 142-55

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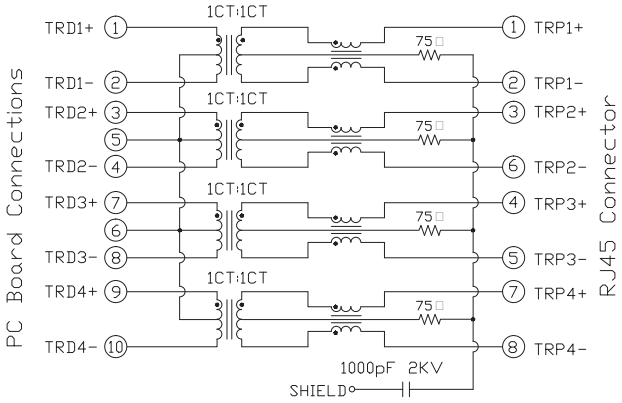
Mechanical dimensions

Unit: mm

Schematics: 1302

Note: other schematics and LED polarity on customer request



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	± 0.25

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