

General specifications

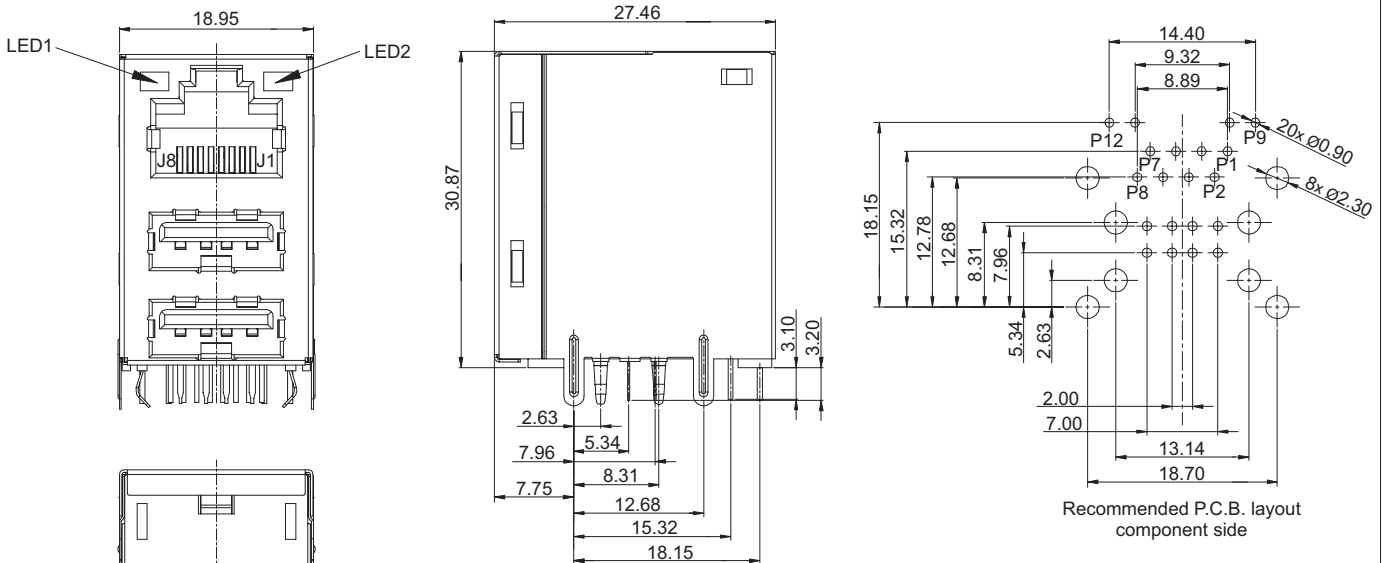
Insulator material	Thermoplastic, UL94V-0
Contact material	Copper alloy
Current / voltage rating USB	1.5 A / 125 VAC
Contact resistance USB	40 mΩ max
Insulator resistance	200 MΩ min.
Dielectrical withstanding RJ45	1500 VAC for 1 min
Durability USB / RJ45	1500/ 750 cycles
Operation temperature	0 °C to +70 °C
Complies with	IEEE 802.3
Soldering	Lead free wave soldering process

Mating parts series

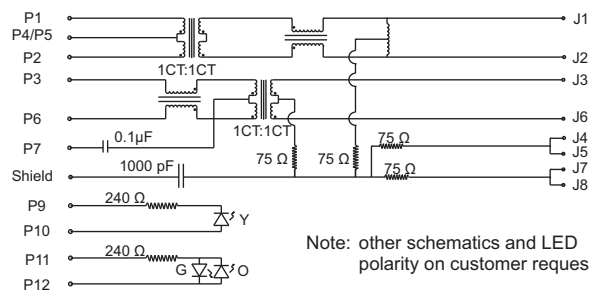


Mechanical dimensions

Unit: mm



Schematic: 07 (10/100 Base-T)



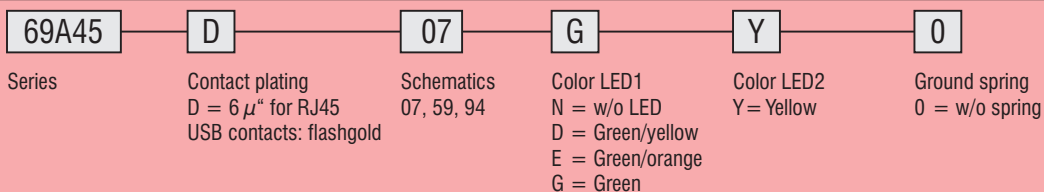
Note: other schematics and LED polarity on customer request

Turns ratio	Inductance	DC resistance	Insertion loss	Return loss			Cross talk	Common mode
			1 to 100 MHz	1 to 30 MHz	30 to 60 MHz	60 to 80 MHz		
1:1	350 µH 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

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Part numbering guide



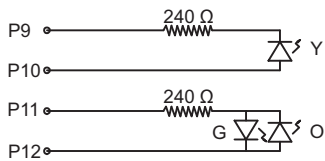
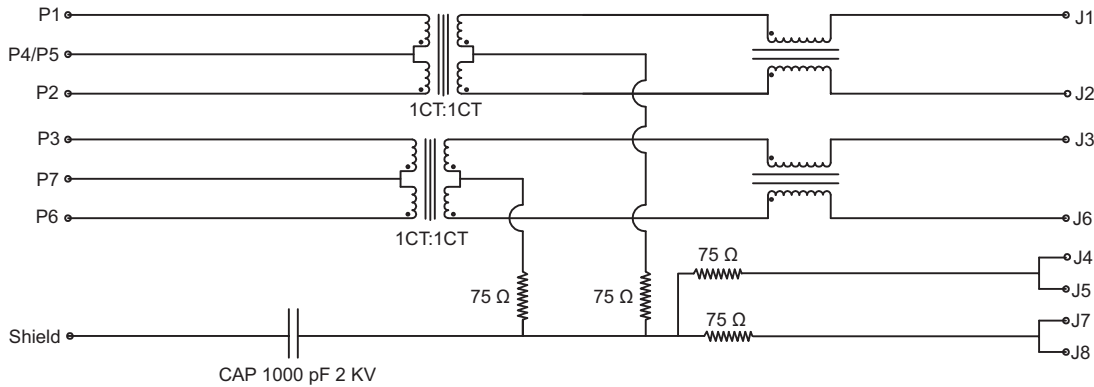
* standard



Mechanical dimensions

Unit: mm

Schematic: 94 (10/100 Base-T)

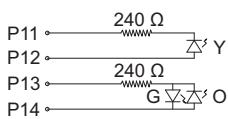
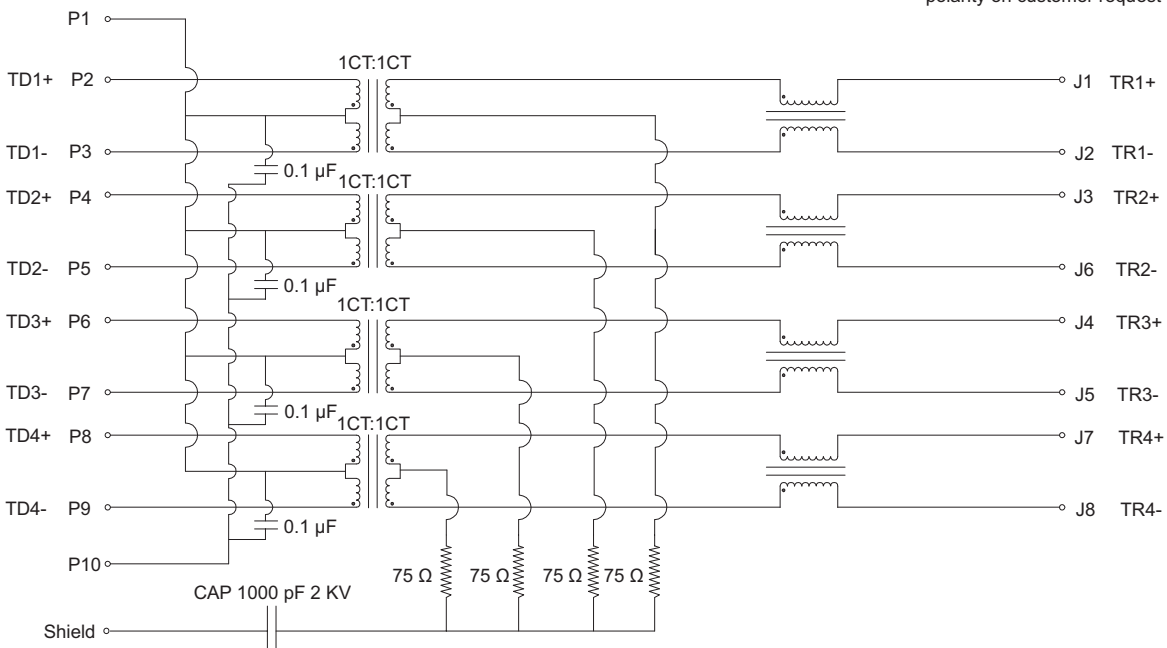


Turns ratio	Inductance	DC resistance	Insertion loss	Cross talk	Common mode
			1 to 100 MHz	1 to 100 MHz	1 to 100 MHz
1:1	350 μ H min. @ 0.1 V, 100 KHz, 8 mA DC Bias	1.2 Ω max.	-1.2 dB max.	-30 dB min.	-30 dB min.

Return loss		
1 to 30 MHz	30 to 60 MHz	60 to 80 MHz
-16 dB min.	-12 dB min.	-10 dB min.

Schematic: 59 (1000 Base-T)

Note: other schematics and LED polarity on customer request



Turns ratio	Inductance	DC resistance	Insertion loss		Cross talk	Common mode
			1 to 100 MHz	100 to 125 MHz	1 to 100 MHz	1 to 100 MHz
1:1	350 μ H min. @ 0.1 V, 100 KHz, 8 mA DC Bias	1.2 Ω max.	-1.0 dB max.	-1.2 dB max.	-30 dB min.	-30 dB min.

Return loss			
1 to 40 MHz	40 to 60 MHz	60 to 80 MHz	80 to 100 MHz
-16 dB min.	-12 dB min.	-10 dB min.	- 8 dB min.

Tolerances	
Linear	± 0.25

