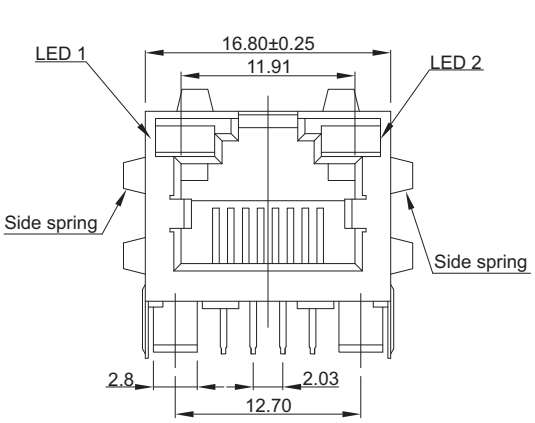
68346 Series RJ45 10/100 BASE-TX with LED

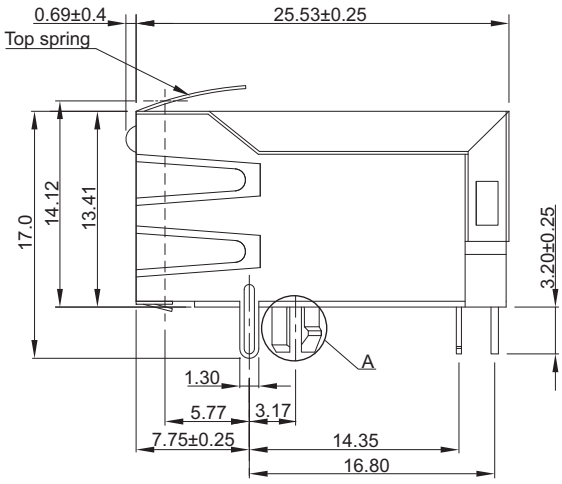
General specifications	
Insulator material	PBT w/ glass fiber, UL94V-0
Contact material	Phosphor bronze
Contact plating	Gold over nickel
Shield material	Brass, plating: nickel
Insulator resistance	200 MΩ min.
Dielectrical withstandig	1500 VAC for 1 min
Durability	750 cycles
Operation temperature	-40 °C to +85 °C
Complies with	IEEE 802.3, ANSI X3.263
Soldering	Lead free wave soldering process
Mating parts series	

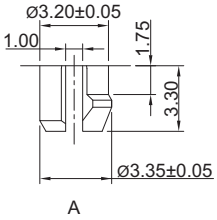
RoHS compliant

Mechanical dimensions

Unit: mm

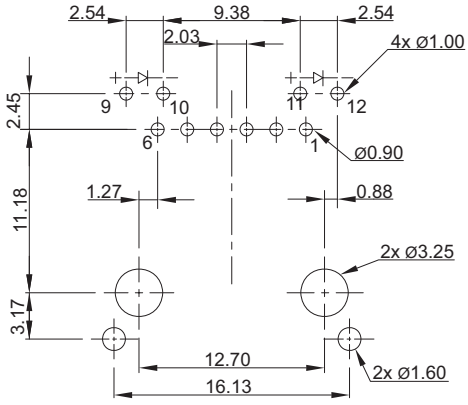






LED default polarity
(or acc. customer request)

9	10	11	12
+	-	+	-



Recommended P.C.B. layout

Tolerances		
Linear	.X	± 0.25
	.XX	± 0.13
	.XXX	± 0.05

continued on page 2

Part numbering guide

68346 — C — 9 — G — Y — 0

Series	Contact plating	Schematics	Color LED1	Color LED2	Ground spring
	C = 3 µ" gold K = 50 µ" gold	see page 2	N = w/o LED		0 = w/o spring
	D = 6 µ" gold		D = Green/yellow		1 = Top spring
	F = 15 µ" gold		G = Green		2 = Side spring
	J = 30 µ" gold		Y = Yellow		3 = Top and side spring

* standard

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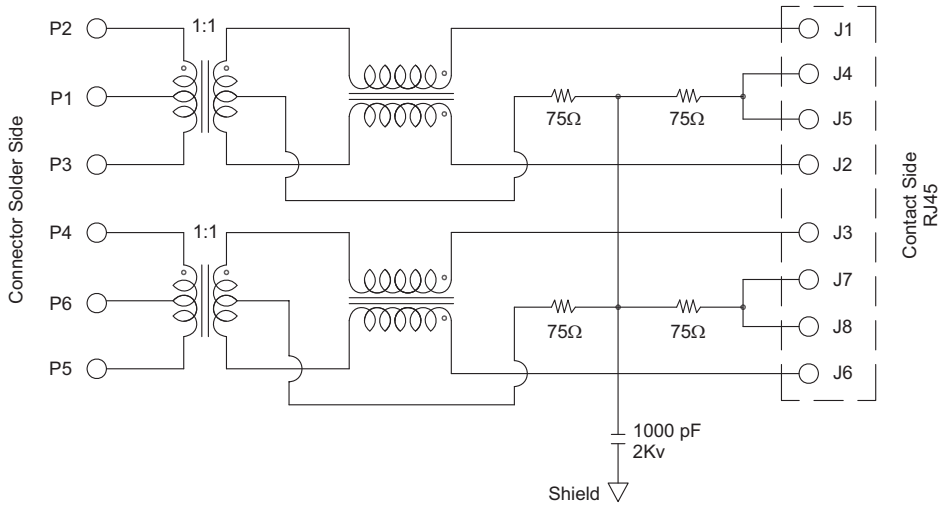
68346 Series RJ45 10/100 BASE-TX with LED

Mechanical dimensions

Unit: mm

Schematics: 9

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	30 - 60 MHz	60 - 80 MHz	1 - 100 MHz	1 - 100 MHz
1:1	400 µH min. @ 0.1 V, 100 KHz, 8 mA DC Bias	1.2 Ω max.	-1.0 dB max.	-20 dB min.	-12 dB min.	-12 dB min.	-30 dB min.	-30 dB min.

Tolerances		
Linear	.X	± 0.25
	.XX	± 0.13
	.XXX	± 0.05

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