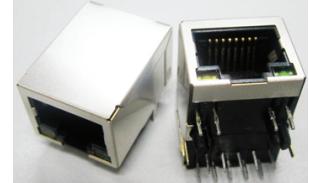


# 10/100 Base-Tx Tap Down RJ45 with LED

ARJC02-111009D

RoHS/RoHS II Compliant



16.0 x 13.55 x 21.1mm

## FEATURES:

- Compliant with IEEE802.3 standard
- 350uH minimum OCL with 8mA bias current
- High performance for maximum EMI suppression
- High reliability – 750 mating/unmating cycles

## APPLICATIONS:

- Designed for most leading PHY IC manufacturers such as Broadcom, Marvell, Microsemi.
- Supports 10/100 Base-T applications
- Provides signal conditioning, EMI suppression and signal isolation.

## STANDARD SPECIFICATIONS

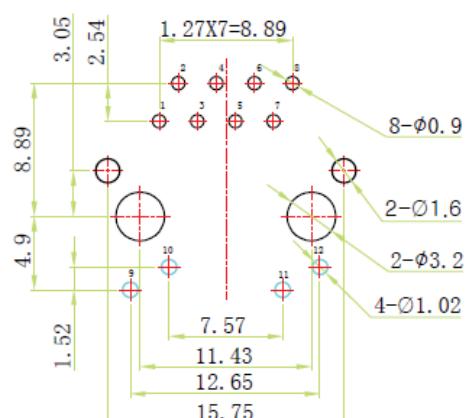
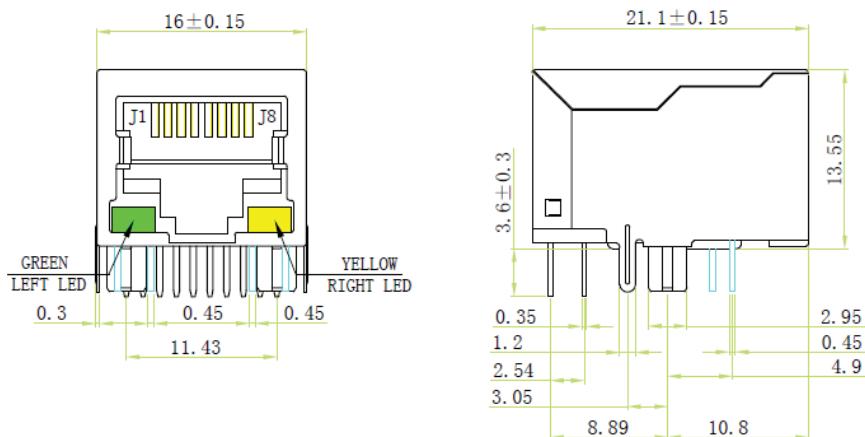
Operating temperature range: 0°C to +70°C Storage temperature range: -25°C to +85°C

Standard Electrical Specifications @25°C

Parameters	Minimum	Typical	Maximum	Units	Notes
Turn Ratio ( $\pm 3\%$ )		1CT:1CT			Tx and Rx
Inductance	350			uH	100kHz/0.1V@8mA
Insertion Loss			-1.0	dB	1-100MHz
Return Loss	-18			dB	1-10MHz
	-16				10-30MHz
	-14				30-60MHz
	-12				60-80MHz
	-10				80-100MHz
CMR	-35			dB	1-100MHz
Crosstalk	-35			dB	1-100MHz
Hipot		1500Vrms/1mA/1s			

## MECHANICAL DIMENSIONS

Recommended Land Pattern

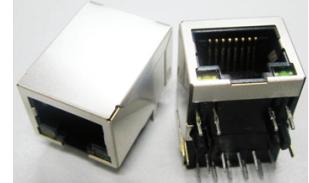


Dimensions: mm

# 10/100 Base-Tx Tap Down RJ45 with LED

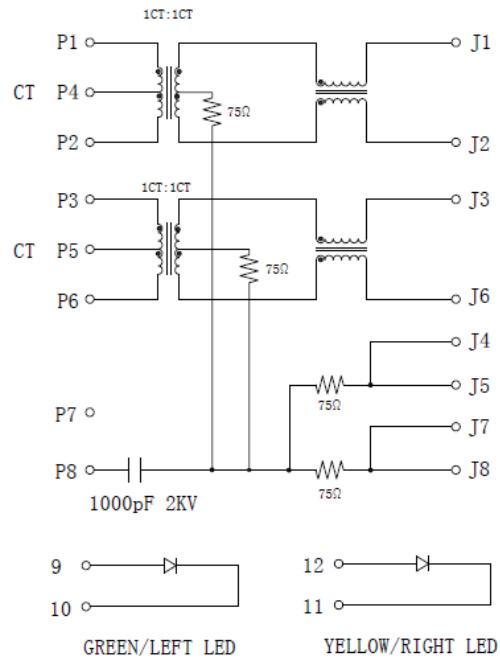
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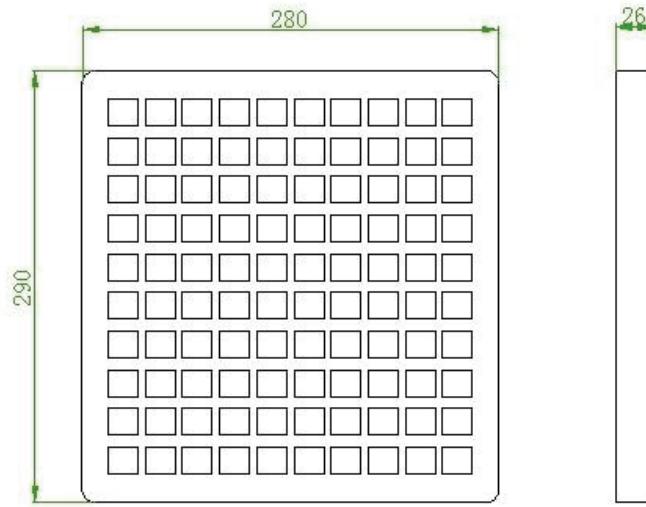
## SCHEMATICS



- ◆ CAPACITOR:  $1000\text{pF} \pm 25\% 2\text{KV}$ .
- ◆ RESISTANCE:  $750\text{OHMS} \pm 20\%$ .
- ◆ RESISTANCE OF COIL:  $1.80\text{OHMS MAX, } 0.250\text{OHMS MIN}$ .

## PACKING:

Packing: (100pcs/tray)



Dimensions: mm

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