

10/100 Base-Tx Tap Down RJ45 with LED

ARJC02-111008B

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

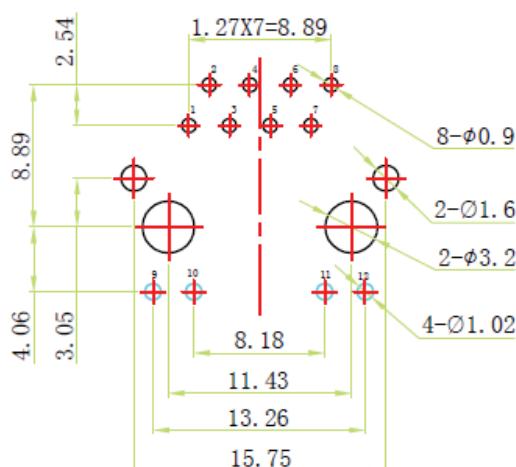
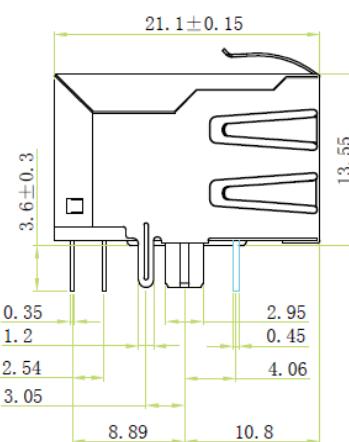
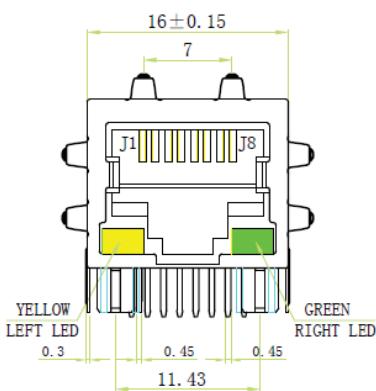
Operating temperature range: 0°C to +70°C

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

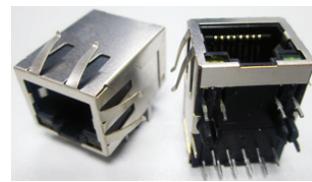


Dimensions: mm

10/100 Base-Tx Tap Down RJ45 with LED

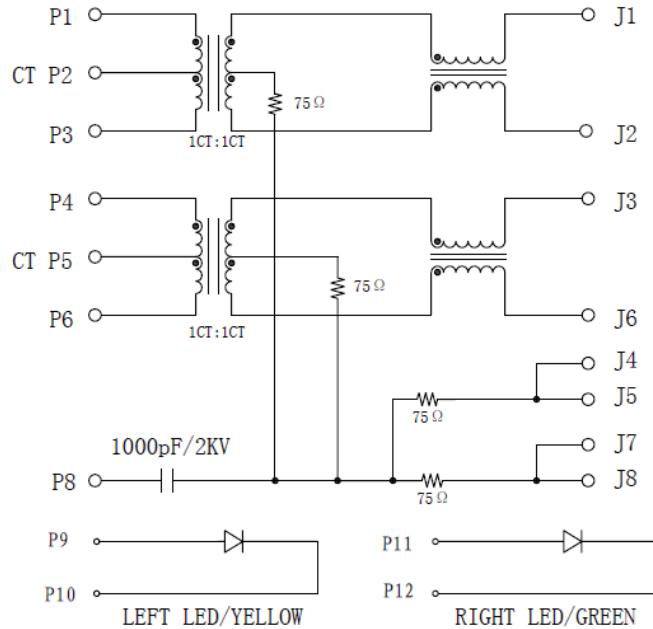
ARJC02-111008B

RoHS/RoHS II Compliant



16.0 x 13.55 x 21.1mm

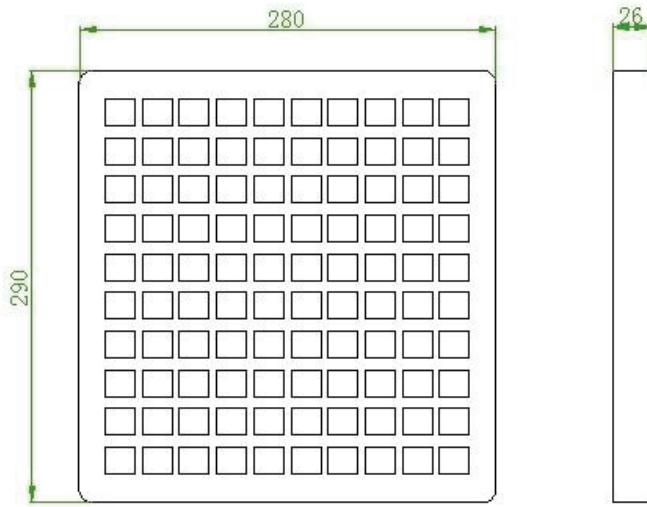
SCHEMATICS



- ◆ CAPACITOR: 1000pF \pm 25% 2KV.
- ◆ RESISTANCE: 750HMS \pm 20%.
- ◆ RESISTANCE OF COIL: 1.80HMS MAX, 0.250HMS MIN.
- ◆ LEFT LED COLOR: YELLOW; RIGHT LED COLOR: GREEN.

PACKING:

Packing: (100pcs/tray)



Dimensions: mm

ATTENTION: Abracan Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracan's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracan Corporation is required. Please contact Abracan Corporation for more information.

ABRACON IS
ISO 9001:2008
CERTIFIED

 **ABRACON**
CORPORATION

Visit www.abracan.com for Terms & Conditions of Sale

30332 Esperanza, Rancho Santa Margarita, California 92688

tel 949-546-8000 | fax 949-546-8001 | www.abracan.com

Revised: 12.26.13