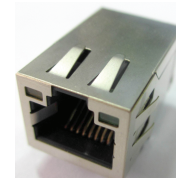


# RJ45, Single Port, Tap Up, Thru-Hole, 100 Base-T

ARJE-0031

RoHS/RoHS II Compliant



17.10 x 13.74 x 25.78mm

## 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:

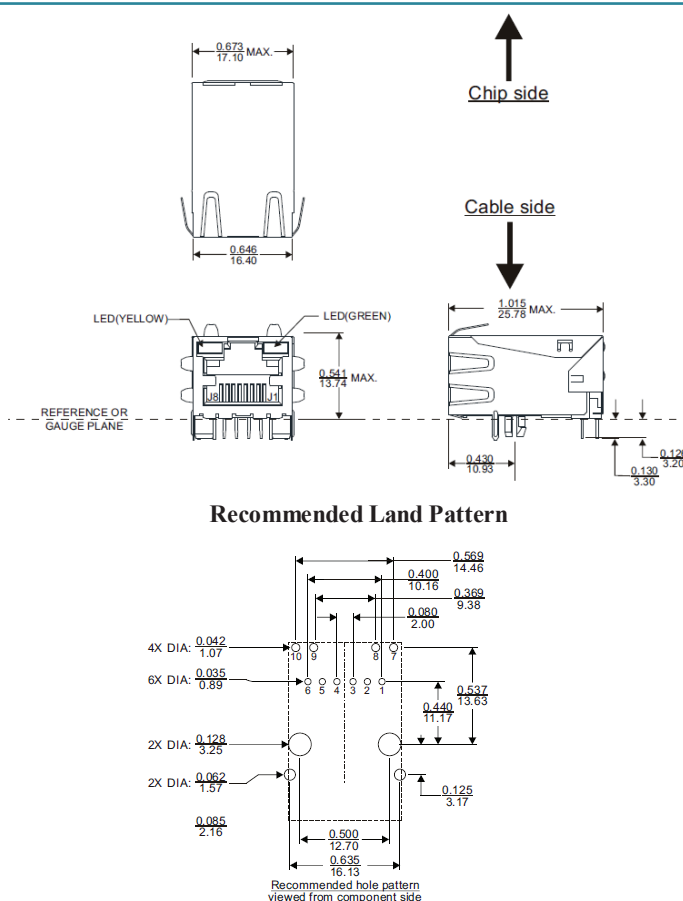
- Designed for most leading PHY IC manufacturers such as Broadcom, Marvell, Microsemi.
- Supports 10/100 Base-T applications
- Provides signal conditioning, EMI suppression and signal isolation

## STANDARD SPECIFICATIONS

Operating temperature range: 0°C to +70°C Storage temperature range: -40°C to +85°C

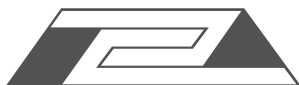
Parameters	Minimum	Typical	Maximum	Units	Notes
Turn Ratio ( $\pm 3\%$ )	1CT:1CT				
Inductance	350			uH	100kHz, 0.1Vrms, 8mADC
Insertion Loss			-1.0	dB	0.1-100MHz
Return Loss	-16.0			dB	1-30MHz
	-14.5				30-60MHz
	-12.0				80MHz
Crosstalk	-30.0			dB	0.1-100MHz
CMRR	-30.0			dB	0.1-100MHz
Hipot	1500Vrms				Pri to Sec

## MECHANICAL DIMENSIONS



Dimensions: inch/mm (Unless otherwise specified, all tolerances are  $\pm 0.01/0.25$ )

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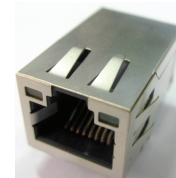
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Revised: 11.04.13

# RJ45, Single Port, Tap Up, Thru-Hole, 100 Base-T

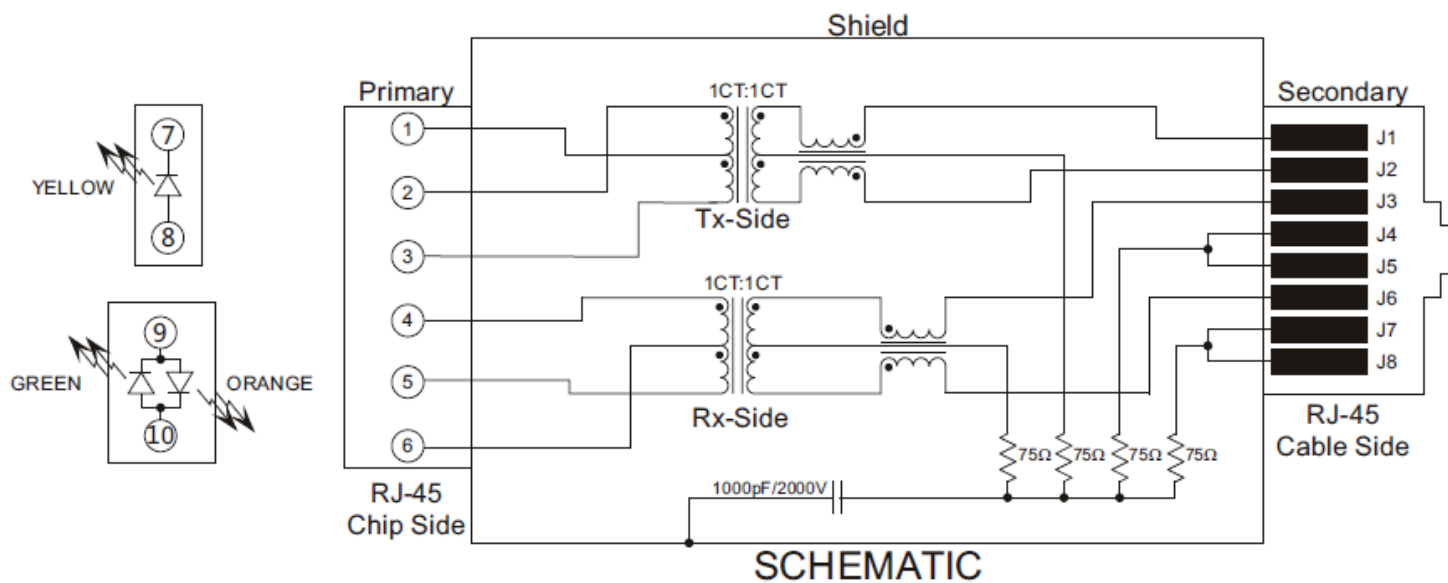
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RoHS/RoHS II Compliant



17.10 x 13.74 x 25.78mm

## SCHEMATICS



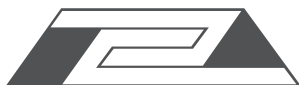
### LED SPECIFICATION @20mA FORWARD CURRENT

Color	GREEN	YELLOW	ORANGE
Wavelength	570nm Typ	590nm Typ	610nm Typ
Forward Voltage	2.2V Typ	2.1V Typ	2.05V Typ

Packing: 50pcs/tray

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