# RJ45 1000 Base-T Jack with Magnetic Module and PoE

**ARJ-146** 

## **RoHS/RoHS II Compliant**



## **FEATURES:**

- Compliant with IEEE802.3af standard
- 350uH minimum OCL with 8mA bias current
- High performance for maximum EMI suppression
- 15W, 350mA, 48V PoE Rating
- Enhanced reliability 5000 mating/unmating cycles

#### > APPLICATIONS:

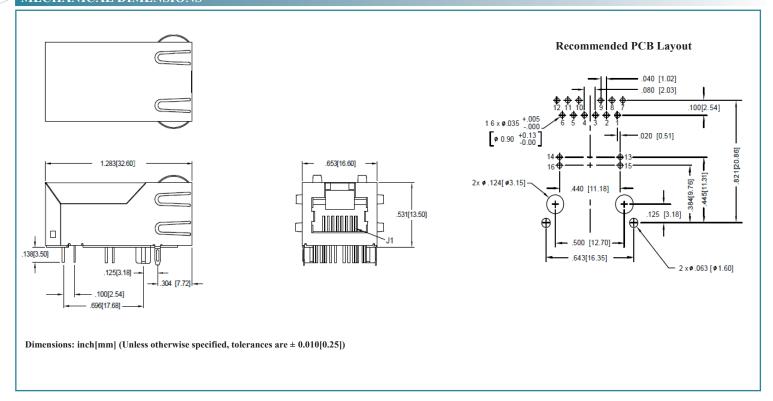
- Designed for most leading PHY IC manufacturers such as Broadcom, Marvell, Microsemi.
- Single port connector for PoE applications
- 1000 Base-T LAN
- NIC, LoM and PC

## STANDARD SPECIFICATIONS at 25°C

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

Parameters	Minimum	Typical	Maximum	Units	Notes
Turn Ratio (±3%)	1CT:1CT				
Inductance	350			uН	100kHz/0.1V@8mA (4 Channels)
Insertion Loss			-1.2	dB	0.1-80MHz
Return Loss	-19			dB	1-30MHz
	-13				30-60MHz
	-12				60-80MHz
	-10				80-100MHz
Crosstalk		-33+20log(f/50MHz)		dB	1-100MHz
CMR		-30		dB	0.03-100MHz
High Pot	1500Vrms/0.5mA/1Sec				
PoE Rating	15W, 350mA, 48V				

## MECHANICAL DIMENSIONS







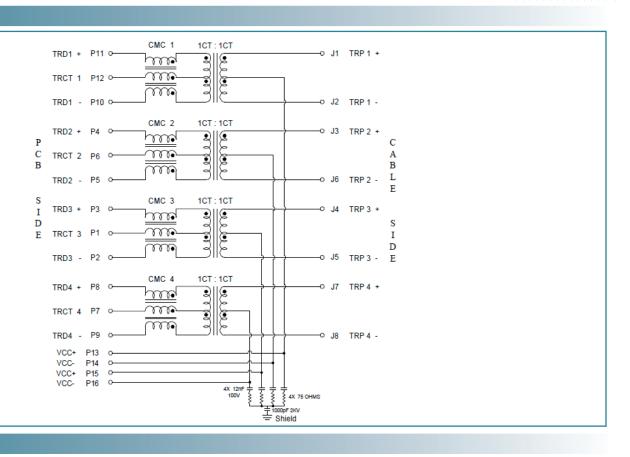
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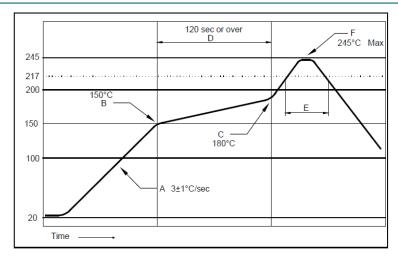
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### **SCHEMATICS**



### **REFLOW PROFILE:**



Contents	Soldering Condition		
A:Increasing speed	3±1°C/sec		
B:Pre-heat starting Temp	150°C		
C:Pre-hedt ending Temp	180°C		
D:Pre-heat interval	120 sec or over		
E:Over 217°C time	60∼150 sec		
F:Peak Temperature	245°C Max		

Packing: 120pcs/tray

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