

## 2\*6 PORTS 100 BASE INTEGRATED MAGNETICS RJ45 CONNECTOR

**XTJH-26A-0-J12-071-RY1**

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- With internal magnetics for 100 Base-TX.
- Suitable for CAT 5 & 6 Fast Ethernet cable or better UTP.
- Internal magnetics are 100% electrically tested for HI-POT & functionality.
- 350µH minimum OCL with 8mA bias current.
- Meets or exceeds IEEE 802.3b standard for 100 Base-T.
- High performance for maximum EMI suppression.
- RoHS compliant.
- Recommended panel.

### Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL(µH Min) @ 100 KHz/0.1V with 8mA DC Bias	C <sub>ww</sub> (pF Max)	L <sub>L</sub> (µH Max)	Insertion Loss (dB Max) @ 100KHz-100MHz	Hi-pot (Vrms) For Leakage 0.5mA/2sec
	TX	RX					
XUMSK05-620001NL	1CT : 1CT	1CT : 1CT	350	28	0.4	-1.1	1500

### Electrical Specifications @ 25°C

Part Number	Return Loss (dB Min)			Cross talk (dB Min)			Common Mode Rejection (dB Min)TX/RX		
	30MHz	60MHz	80MHz	30MHz	60MHz	100MHz	30MHz	50MHz	100MHz
XUMSK05-620001NL	-16	-12	-10	-40	-35	-33	-30	-25	-20

### RJ45 Durability Testing Rating & Material Specification

Part Number	Durability	Mating Force	Shield	
			Material	Finish
XUMSK05-620001NL	750 Insertions	5 lbs./2.268 kgs.	Brass	10-20m inches Nickel

### RJ45 Material Specification

Part Number	Contact		Housing	
	Material	Plating Area	Material	Specification
XUMSK05-620001NL	Phosphor Brass	10-20m inches Nickel over selective gold plating 15µ inches	Thermoplastic	UL 94 V-0

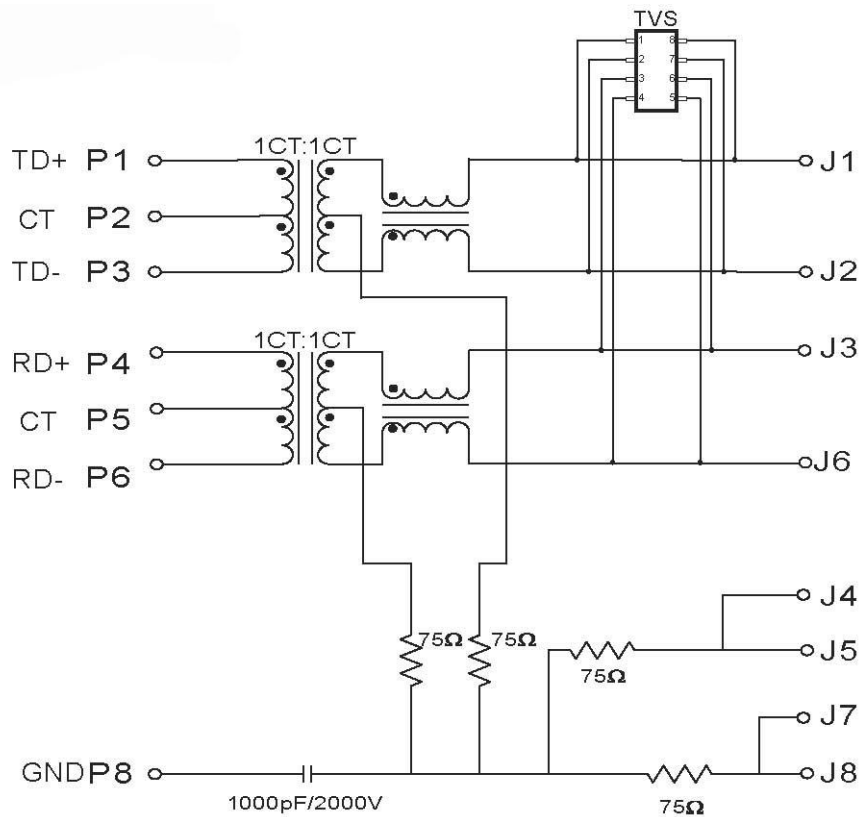
\* Operating temperature range: -40C to +85C. Storage temperature range: -40C to +125C degrees

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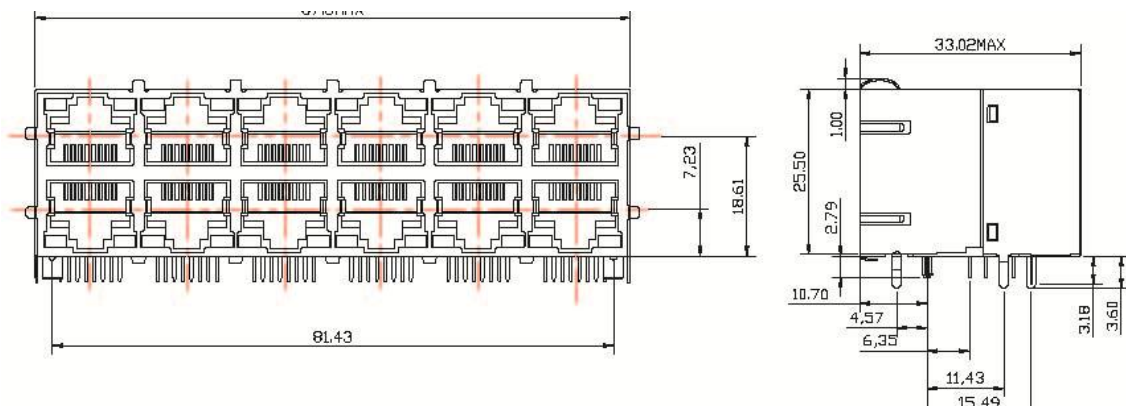
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### SCHEMATIC



### MECHANICAL



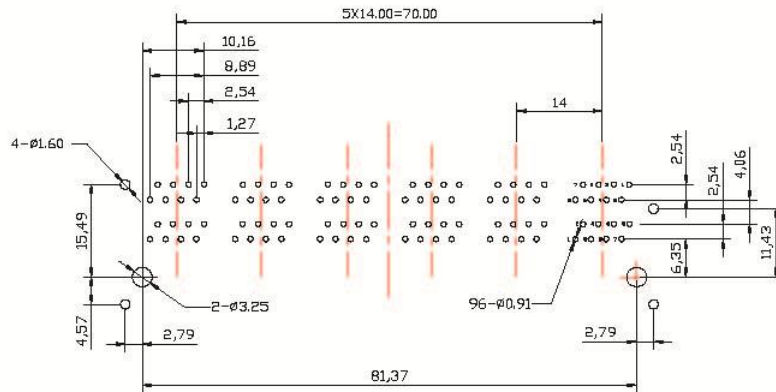
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Units: mm. and Tolerance:  $\pm 0.25$  unless specified otherwise.

### PCB LAYOUT



### NOTE:

Order Information:

SK02-11 1 008 NLX3 -(Y/N)  
A B C D E F

- A: It stands for the RJ45 designer: Such as SK or Other, 01 or 02 stands for as follows: 01=Tab up, 02=Tab down
- B: The parts are single or multi-ports: such as SK01-11xxxx, it means 1x1 single port, SK01-21xxxx, means 2x1 or 1x2, it is a dual ports RJ45 filtered connector.
- C: Tells it is a LEDs version or not, "1" means with LEDs, "0" or else there is without LEDs.
- D: It stands for the Parts's series NO.
- E: NL=RoHS Complaint.
- F: Contact Plating Code: Normal type is No Mark, it stands the Contact