



RJ45/Dual USB Combo

●Features:

- Peak wave solder temperature rating 260°C
- USB module complies with USB 2.0 standards
- RJ45 connection meets CAT3, 5e & 6 Fast Ethernet performance standard
- Meets IEEE 802.3 specification
- High performance for maximum EMI suppression
- Minimum 1500Vrms isolation per IEEE 802.3 requirement



●Application:

- LAN-on-Motherboard (LOM)
- PC applications

Electrical Specification @ 25°C—Operating Temperature 0°C to +70°C

Part Number	Turns Ratio		EMI Fingers	LEDs L/R	Insertion Loss (dB Max)	Return Loss (dB Min)					Crosstalk (dB Min)	Common Mode Rejection (dB Min)	Inductance (uH Min)	Hipot (Vrms)
	TX	RX				1-100 MHz	1-30 MHz	30-45 MHz	45-60 MHz	60-80 MHz				
FRJ45D1X1U-PC01-LF	1CT:1	1CT:1	NO	GY/O	-1.0	-18	-16	-14	-12	N/A	-35	-30	350	1500
FRJ45D1X1U-PC02-LF	1CT:1	1CT:1	NO	GY/G	-1.0	-18	-16	-14	-12	-10	-25	-30	350	1500

Notes:

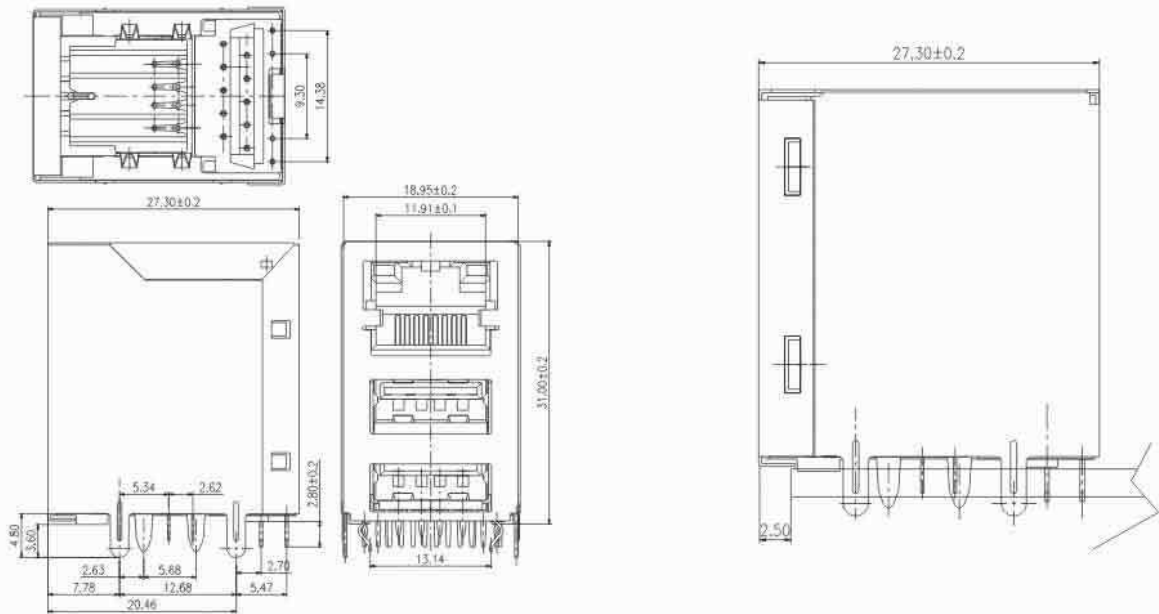
- LEDs :G=green, O=orange, GY=green/yellow bi_color LED.
- Specification in this paper are subject to change without notice. It is requested to confirm the specifications when ordering.



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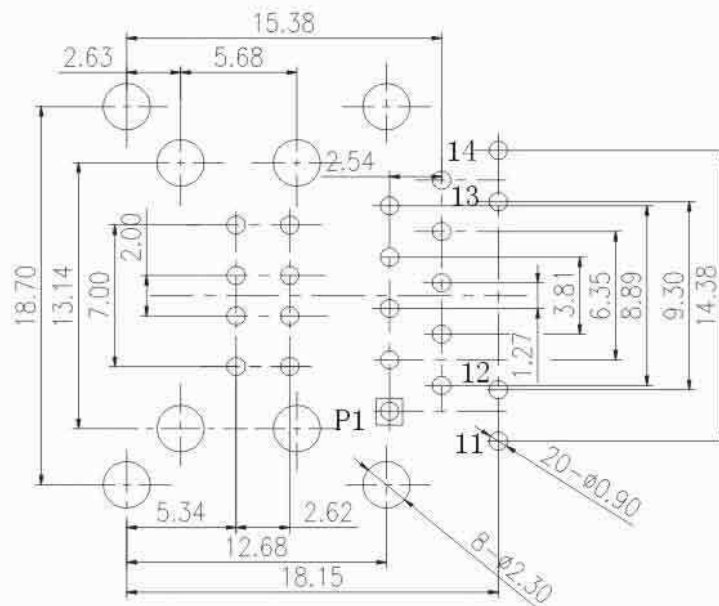
1-1. Dimensions:

1. Mechanical Outline (Unit: mm):



ALL DIMENSION TOLERANCES ARE ± 0.2 UNLESS OTHERWISE SPECIFIED

1-2. Recommended PCB layout:



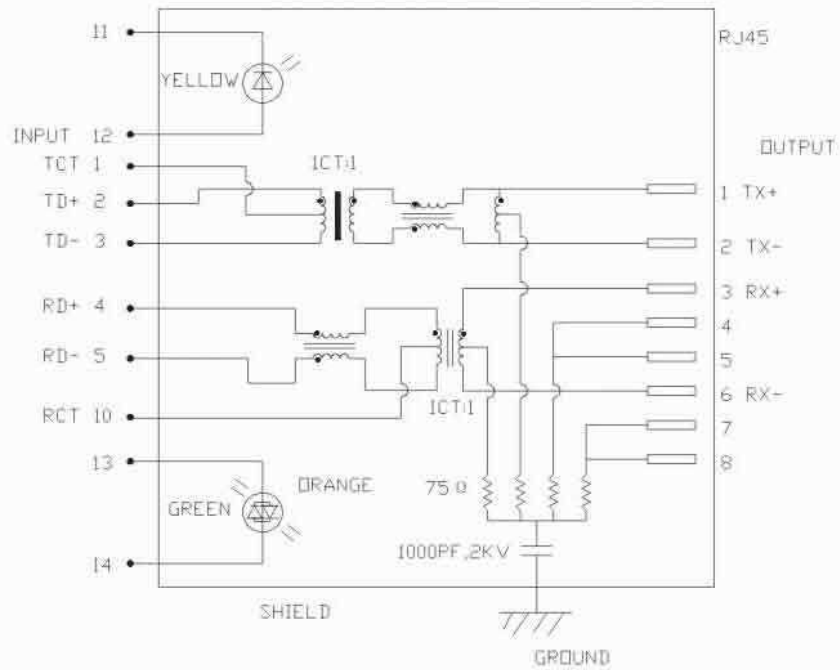
SEEN FROM COMPONENT SIDE
COMPONENT SIDE PCB THICKNESS : 1.60mm
ALL DIMENSION TOLERANCES ARE ± 0.1 UNLESS OTHERWISE SPECIFIED



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2. Schematics:

2-1. FRJ45D1X1U-PC01-LF:



2-2. FRJ45D1X1U-PC02-LF:

