

CTRJGU Series

10/100/1000 Gigabit Ethernet RJ45 Dual USB Combo Integrated Modular Jack

CHARACTERISTICS

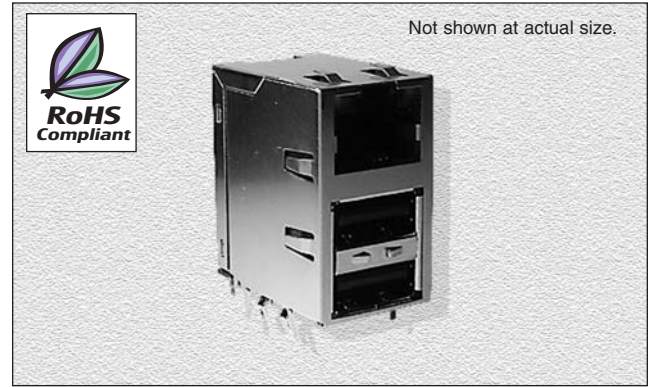
Meets IEEE 802.3 standard
350 μ H minimum OCL with 8mA DC bias current
USB module complies with USB 2.0 standards
RJ45 connection meets CAT3, 5e, and 6 Fast Ethernet
Available with or without LEDs
Minimum 1500Vrms isolation per IEEE 802.3 requirement
Operating temperature 0°C to +70°C
Storage temperature -40°C to +85°C

RoHS Compliant

Transformer electrical specifications @ 25°C

MATERIAL SPECIFICATION

Metal Shell: Copper Alloy , Finish: 50 μ " Nickel
Back Cover: Copper Alloy , Finish: 50 μ " Nickel
Housing: Thermoplastic , UL 94V-0, Color Black
Bottom Base: Nylon PA46, UL 94V-0, Color Black
Terminal/Copper Alloy t= 0.40x0.50mm Thickness, 100 μ " Tin-Lead on Solder,
Both over 50 μ " Nickel Under-Plated
Insert: Thermoplastic , UL 94V-0, Color Black
Contact Terminal / Phosphor Bronze, 15 μ " Gold on Contact Area,
100 μ " Tin on Solder, Both over 50 μ ", Nickel Under-Plated
Coil Base: Phenolic, UL 94V-0, Color Black



PART NUMBER CONFIGURATION

Series	Size Code	Layers	Port (Each Layer)	LED (L/R)	Tab	Schematic
CTRJGU	27	S = Single	1	N = None G = Green Y = Yellow O = Orange	U = Up	1033,1026

CTRJGU 27 S 1 GOYN U 1033

LED CONFIGURATION

Schematic	Standard LED	Wavelength (λ)	V / IF= 20 mA		Image
			Max.	Typ.	
1033	Yellow	585nm	2.5V	2.1V	
	Green	570nm	2.5V	2.1V	
	Orange	605nm	2.5V	2.1V	
Schematic	Standard LED	Wavelength (λ)	V / IF= 20 mA		Image
			Max.	Typ.	
1026	Yellow	585nm	2.5V	2.1V	
	Green	570nm	2.5V	2.1V	
	Orange	605nm	2.5V	2.1V	

12.07.06

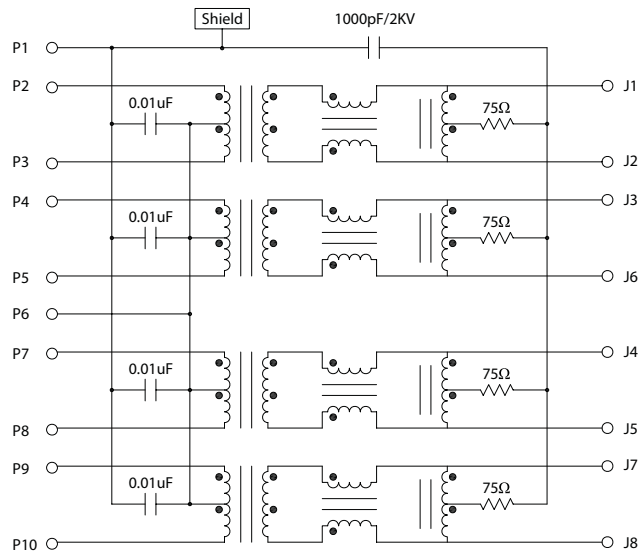
CTRJGU Series

ORDERING INFO

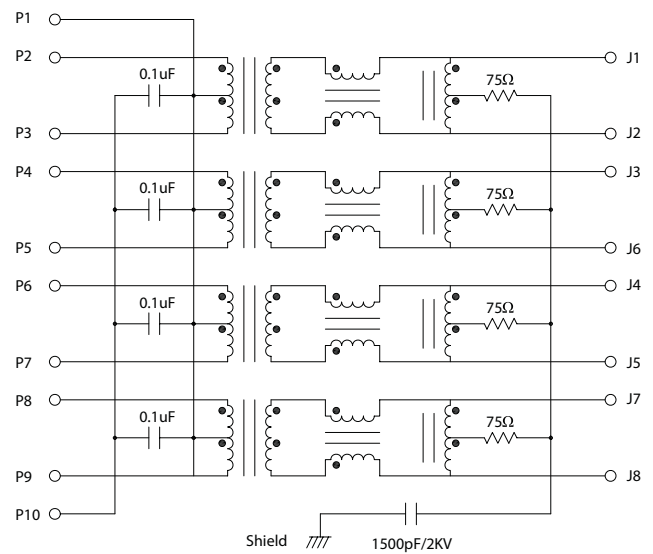
Part Number	Data Rate	Turns Ratio TX/RX	LEDs (L/R)	Insertion Loss (dB max.)				Return Loss 100Ω ± 15Ω (dB min.)			Cross Talk (dB min.)			C.M.R. (dB min)		Hi-pot (Vrms)
				1-125MHz	1-30MHz	30-60MHz	60-80MHz	1-30MHz	30-60MHz	60-100MHz	1-30MHz	30-60MHz	60-100MHz	1-60MHz	60-100MHz	
CTRJGU27S1GOYNU1033	10/100/1000	1CT:1	GOYN	-1.2	-18	-16	-12	-40	-35	-30	-40	-35	-30	-40	-30	1500
CTRJGU27S1GNGYU1026	10/100/1000	1CT:1	GNGY	-1.2	-18	-16	-12	-40	-35	-30	-40	-35	-30	-40	-30	1500

SCHEMATICS

1033



1026

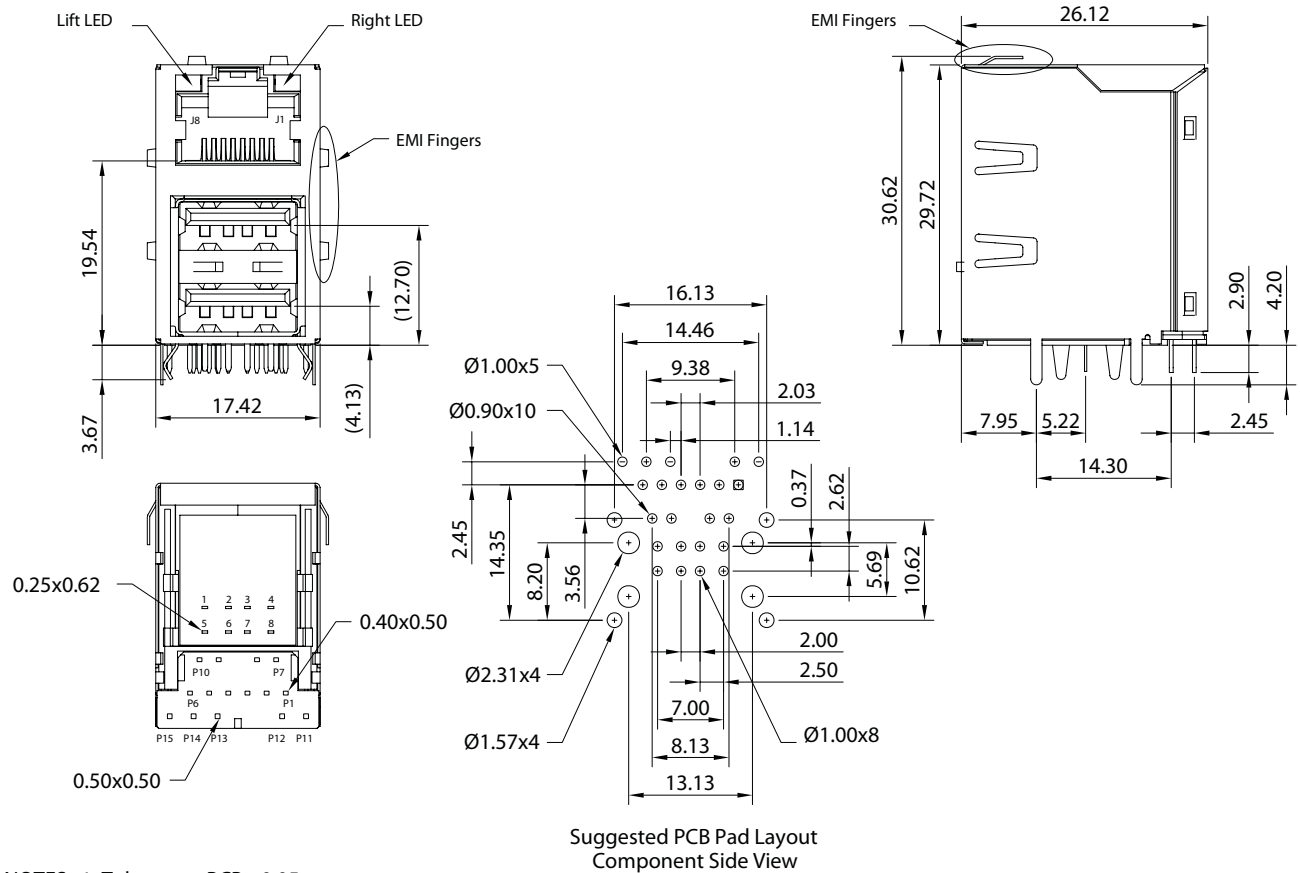


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MECHANICAL

CTRJGU27S1GOYNU1033



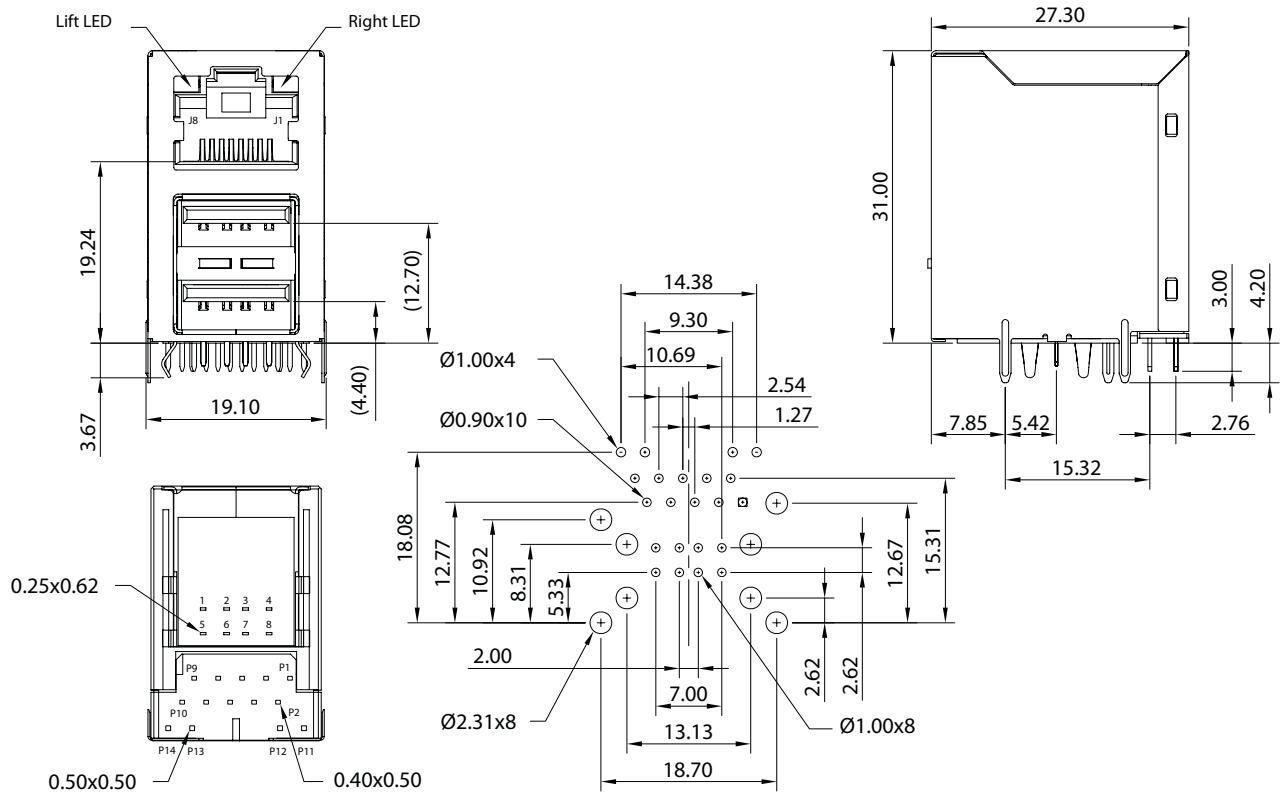
- NOTES : 1. Tolerance : PCB $\pm 0.05\text{mm}$
 Connector $\pm 0.25\text{mm}$
 2. Connector dimensions comply with FCC 68.5 dimension requirements

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CTRJGU Series

MECHANICAL

CTRJGU27S1GNGYU1026



Suggested PCB Pad Layout
Component Side View

- NOTES : 1. Tolerance : PCB $\pm 0.05\text{mm}$
Connector $\pm 0.25\text{mm}$
2. Connector dimensions comply with FCC 68.5 dimension requirements

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