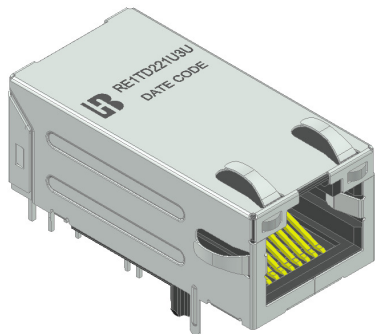


Feature



- Complying with requirement of IEEE 802.3bz standards.
- RJ-45 connector integrated with transformer/impedance resistor/high voltage capacitor.
- POE applications with 720mA @57VDC current capability.
- Size same as RJ-45 connector to save PCB board space.
- Reduced EMI radiation to improve EMI performance.
- Design for 2.5G transmission over UTP-5 cable.
- Complying with ROHS requirements.
- Operating temperature range: -40°C to +85°C.
- Storage temperature range: -40°C to +85°C.
- Recommended panel.

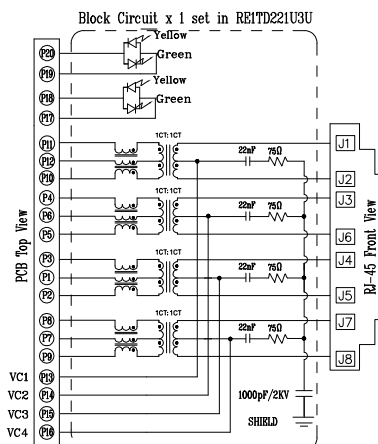
Standard LED	Forward*V(Max)	(TYP)
GREEN&YELLOW Bicolor	2.5V	2.2V

*With a forward current of 20mA.

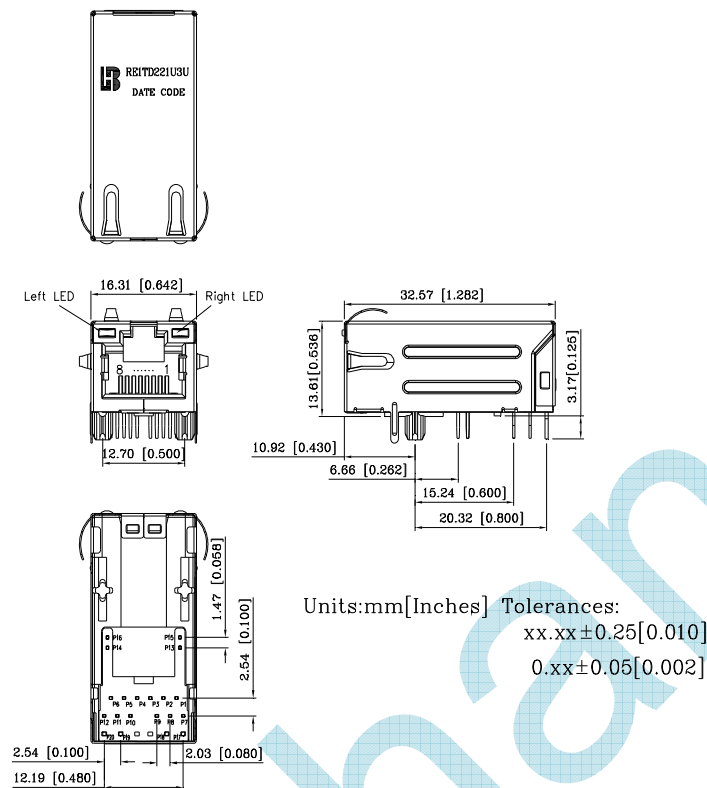
With a forward current of 20mA.

Electrical Specifications @ 25°C					
Part Number	Turns Ratio (±2%)	OCL (uH Min) @ 100KHz/0.1V with 8mA DC Bias	Cross talk (dB Min)		HI-POT
			$1 \leq f \leq 100 \text{ MHz}$	$100 < f \leq 125 \text{ MHz}$	
RE1TD221U3U	1CT: 1CT	180	$20 \log_{10} \left[10^{\frac{35.3 - 15 \log_{10}(f/100)}{-20}} + 2 \times 10^{\frac{43 - 20 \log_{10}(f/100)}{-20}} \right]$	-30	DC2250V/1mA
Continue					
Part Number	Insertion Loss (dB Max)		Return Loss (dB Min) @ Load 100Ω		
	$1 \leq f < 125 \text{ MHz}$		1-40MHz	$40 < f \leq 125 \text{ MHz}$	
RE1TD221U3U	-1.0		-16	$-16 + 10 \log_{10}(f/40 \text{ MHz})$	
Continue					
Part Number	DCMR (dB Min)		CMRR (dB Min)		
	$1 < f \leq 30 \text{ MHz}$		$30 < f \leq 125 \text{ MHz}$		$1 \leq f \leq 125 \text{ MHz}$
RE1TD221U3U	-48		$-(44 - 19.2 \log_{10}(f/50))$		-30

Schematic

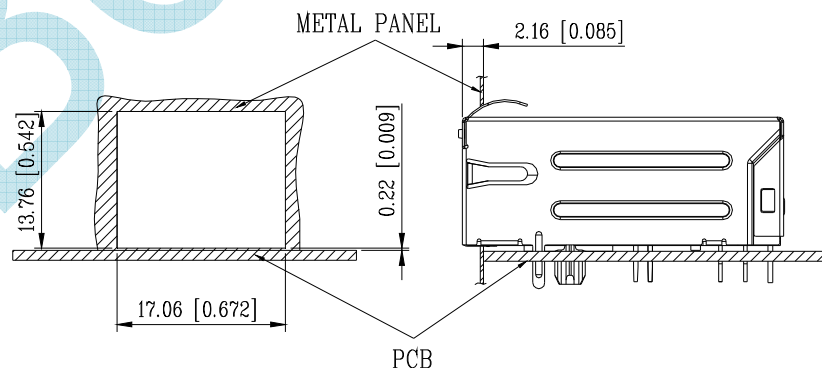


Mechanical

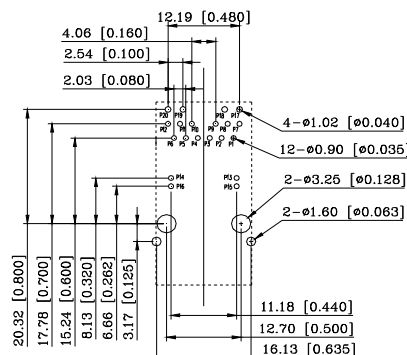


- | | | |
|---------------------|---|---|
| 1. Plastic Material | : | Thermoplastic (UL 94V-0), Black Housing |
| 2. Metal Shield | : | Brass, 20u" inches thick Nickel |
| 3. Spring Wire | : | Phosphor bronze with gold plated & Nickel |
| 4. Solder Pin | : | Phosphor bronze with solder Plated |
| 5. Durability | : | 750 Mating cycles Min. |

Suggested Panel Opening

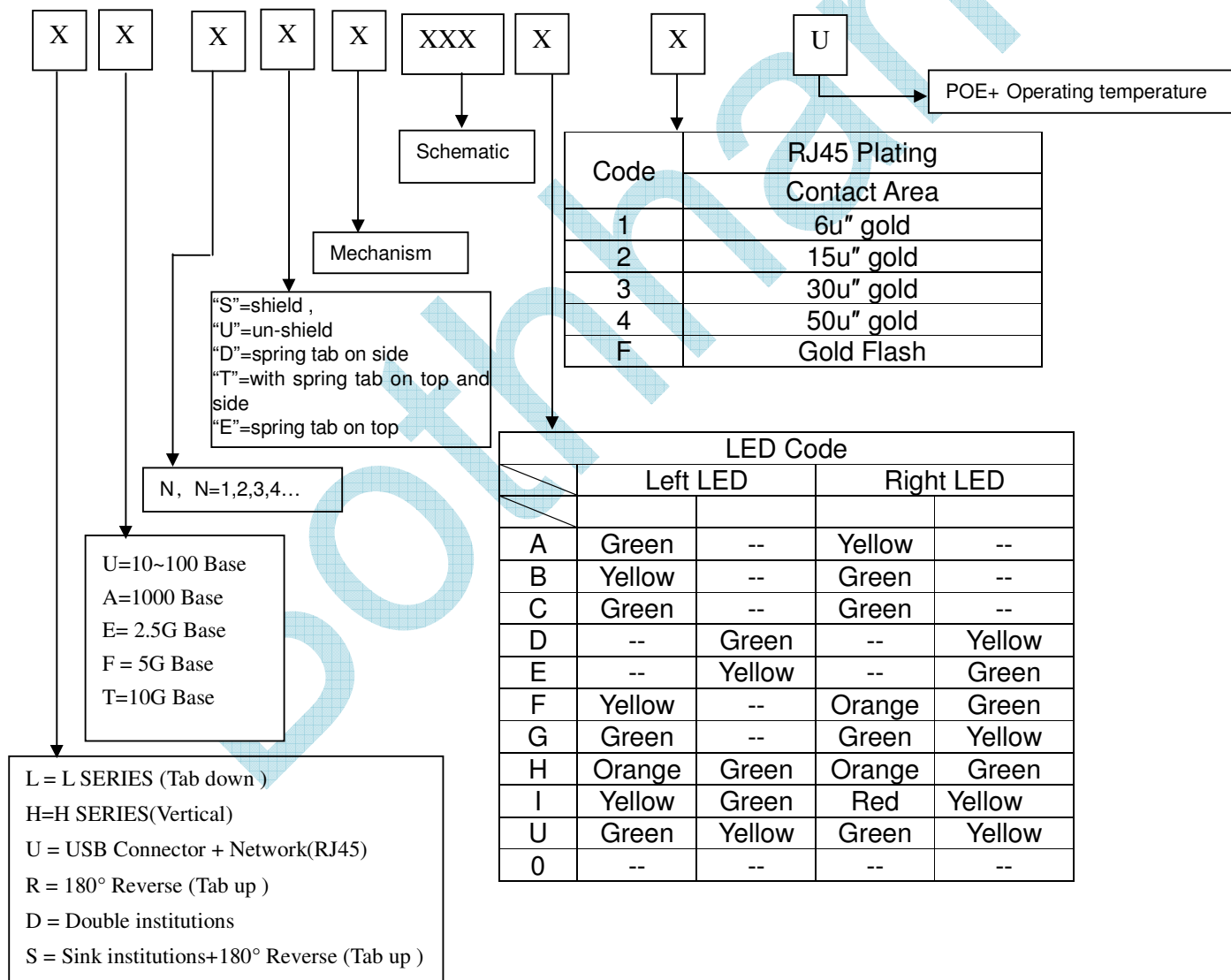


PCB Layout Mounting Hole(Top View)



Unless otherwise specified,
all dimension tolerance are: $\pm 0.08 [\pm 0.003]$

Ordering Information



单击下面可查看定价，库存，交付和生命周期等信息

[>>Bothhand\(帛汉\(帛漠\)\)](#)