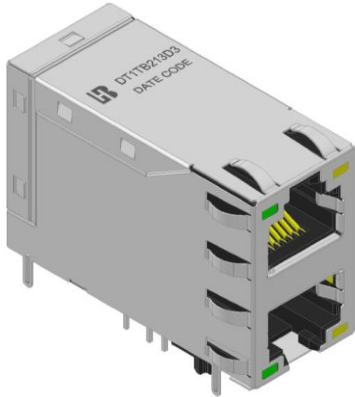


“LAN-MATE” SERIES :

2x1 10G Base-T ICM (Integrated Connector Module)



Features



- Complying with requirement of IEEE 802.3an standards.
- RJ-45 connector integrated with transformer/impedance resistor/high voltage capacitor.
- Size same as RJ-45 connector to save PCB board space.
- Reduced EMI radiation to improve EMI performance.
- Complying with ROHS requirements.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +85°C.

LED	Forward*V(Max)	(TYP)
Green	2.4V	2.2V
Yellow	2.5V	2.1V

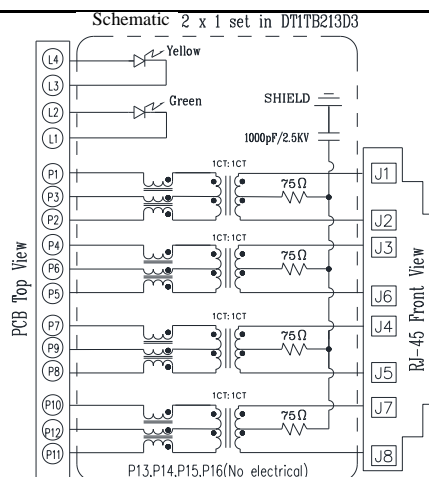
*With a forward current of 20mA

Electrical Specifications @ 25°C							
Part Number	Turns Ratio (±2%)	OCL (uH Min) @100KHz/0.1V	Cross talk (dB Min)		CDMR (dB Min)		HI-POT
			1-100MHz	100-500MHz	1-250MHz	250-500MHz	
DT1TB213D3	1CT: 1CT	160	-28	-19	-30	-22	DC2250V/1mA

Continued							
Part Number	Insertion Loss (dB Max)					DCMR (dB Min)	
	1-20MHz	20-50MHz	50-200MHz	200-400MHz	400-500MHz	1-30MHz	30 < f ≤ 500 MHz
DT1TB213D3	-0.8	-1.0	-1.2	-2.0	-3.0	-48	-44+19.2LOG(F/50MHz)

Continued					
Part Number	Return Loss (dB Min) @ Load 100Ω		CMR (dB Min)		
	1-100MHz	100 < f ≤ 500 MHz	1-40MHz	40-100MHz	100-500MHz
DT1TB213D3	-22	-22+20.75LOG(F/100MHz)	-30	-28	-26

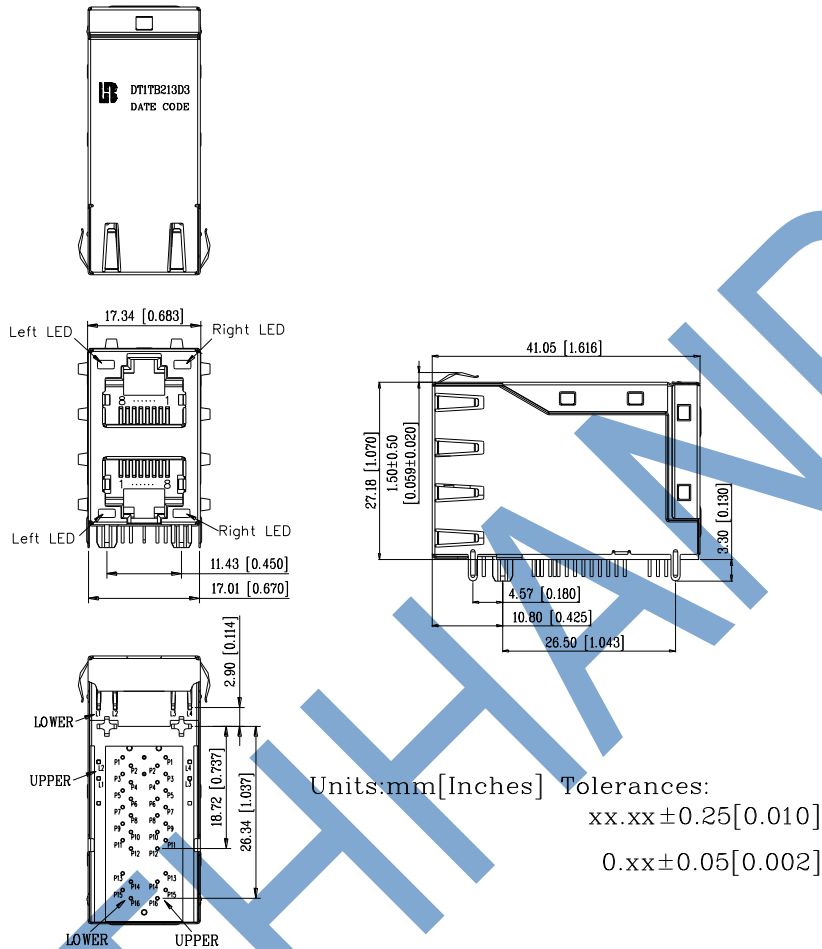
Schematic



“LAN-MATE” SERIES :
2x1 10G Base-T ICM (Integrated Connector
Module)

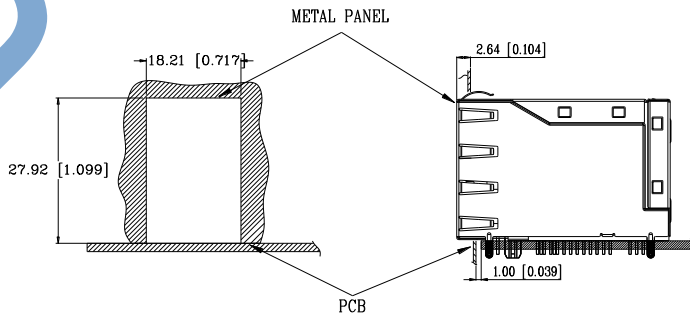


Mechanical



- | | | |
|---------------------|---|---|
| 1. Plastic Material | : | Thermoplastic (UL 94V-0), Black Housing |
| 2. Metal Shield | : | Brass, 30u" inches thick Nickel |
| 3. Spring Wire | : | Phosphor bronze with gold plated & Nickel |
| 4. Solder Pin | : | Dia 0.45mm, Copper Alloy with solder Plated |
| 5. Durability | : | 750 Mating cycles Min. |

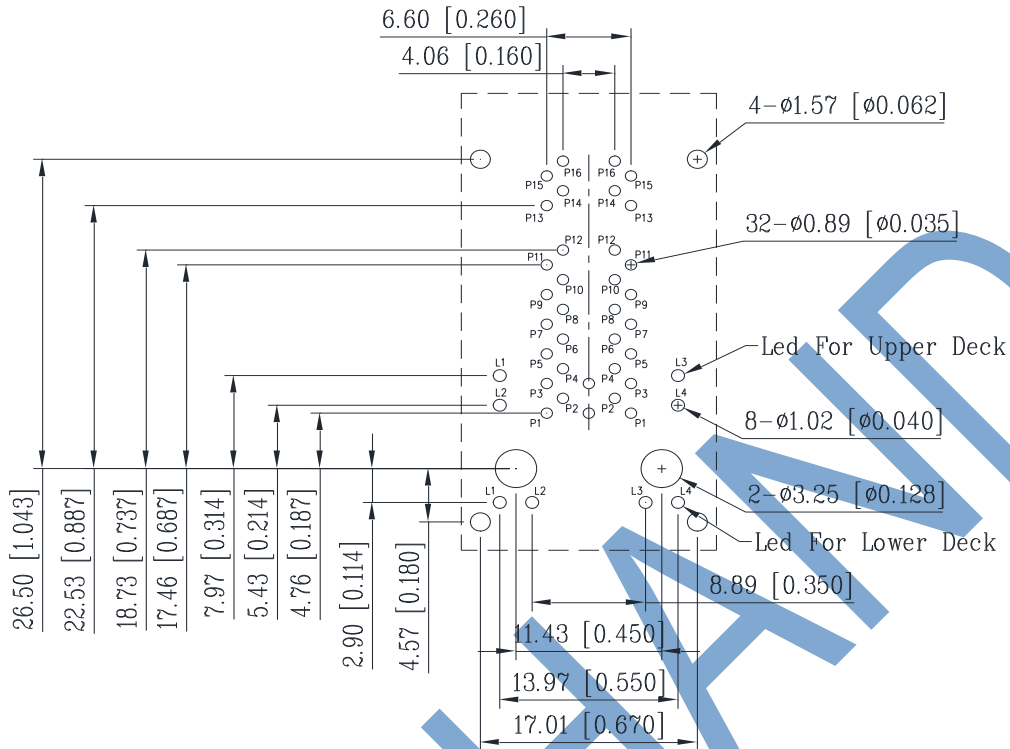
Suggested Panel Opening



“LAN-MATE” SERIES :
2x1 10G Base-T ICM (Integrated Connector
Module)



PCB Layout Mounting Hole(Top View)



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