

**FEATURES**

- Magnetic designs to support every PHY
- Meet or exceed IEEE 802.3af and ANSI X3.263 standards including 350uH min OCL with 8mA bias
- Minimum 1500Vrms isolation per IEEE 802.3 requirement
- Designed for 100 base transmission over UTP-5 cable
- Size same as RJ-45 modular jack to save PCB board Space

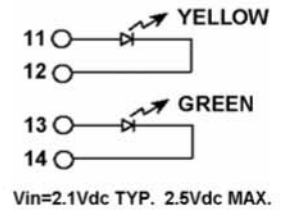
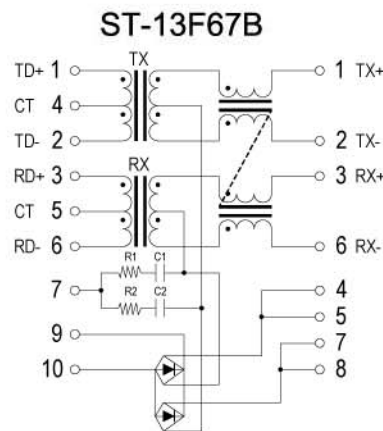
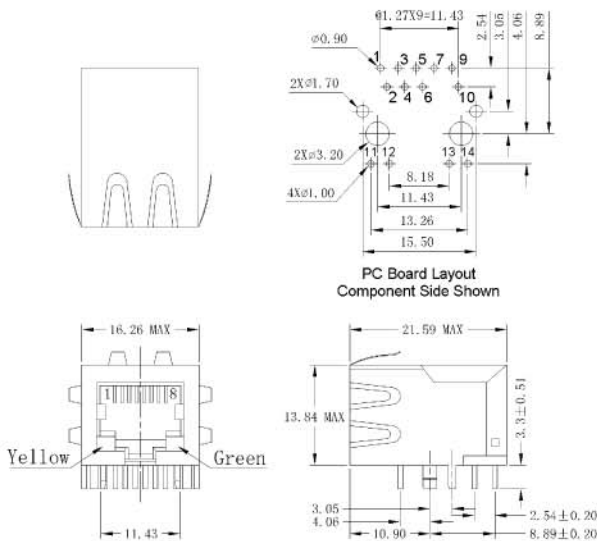


**ELECTRICAL SPECIFICATIONS @25°C -Operating temperature 0°C TO 70°C**

Part Number	Turns Ratio Pri:Sec. ±3%		EMI Fingers	LED (L/R)	Insertion Loss (dB max)	Return Loss (dB min @100 Ω)					Crosstalk (dB TYP.)	Common Mode Rejection (dB TYP.)			Hipot (V <sub>rms</sub> min)
	TX	RX				0.3-100 MHz	0.5-30 MHz	40 MHz	50 MHz	60-80 MHz		0.3-100 MHz	0.3-30 MHz	30-60 MHz	
13F-67BYGDD2NL	1CT:1CT	1CT:1CT	YES	Y/G	-1.1	-18	-15.5	-13.6	-12	-38	-50	-40	-30	1500	

13F-6X GYD NW 2 NL A:Series  
 A B C D E F B:SCHEMATICS  
 C:Led  
 D:Mechanical  
 E:Gold Plating:1=3u", 2=6u", 3=15u", 4=30u", 5=50u"  
 F:RoHS version

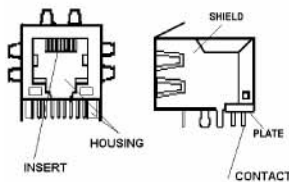
**Mechanicals and Dimensions      SCHEMATICS      LED Configuration**



Dimensions: mm all tolerances are ±0.25 ※ led pin are parallel

**MATERIALS**

- Housing Material:**  
MATERIAL: NYLON +25% GF (Fr50) UL94V-0  
STANDARD COLOR: BLACK
- Insert Material:**  
MATERIAL: Phos-Bronze  
C5210 EH---0.35mm Thickness  
Insert -PBT+30% GF UL94V-0  
1.PLATING(1) NICKEL  
2.PLATING(2) 100%Sn  
3.PLATING(3) GOLD FLASH (3u " ~ 50u " )
- Plate Material:** PBT-4830 +30% GF UL 94V-0



- Contact pin Material:**  
MATERIAL: Phos-Bronze C5210 EH---0.35mm Thickness  
1.PLATING(1) NICKEL  
2.PLATING(2) 100%Sn
- Shielding Material:**  
BRASS C2680 H.---0.25mm THICKNESS  
PLATING NICKEL
- Operation Life : 750 Cycles Min.**
- MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68,SUBPART F.**