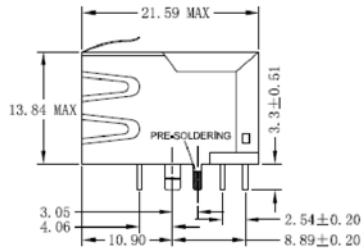
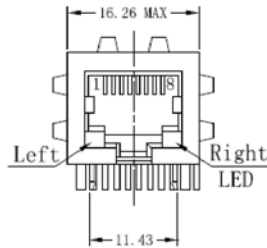


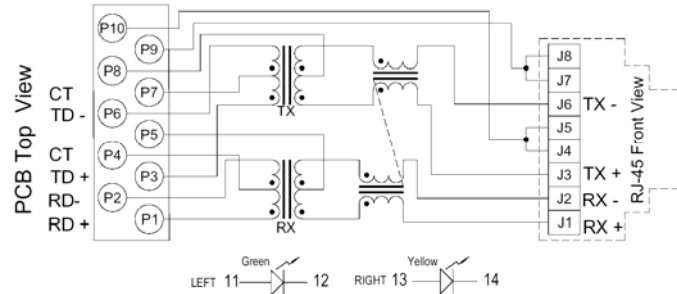
PC Board Layout
Component Side Shown



UNIT:mm Unless otherwise specified,all tolerances are ±0.25

SPECIFICATIONS

Contact Material: Phosphor Bronze, Nickel over Tin Plating
Housing Material: Nylon UL94V09, Black
Insert Material: Phosphor Bronze, PBT GF UL94V-0
Nickel, over Tin over Gold Plating
Plate Material: PBT GF UL94V-0
Shield Material: Brass, Nickel Plating
Turn Ratio: 1CT:1CT
Inductance: 350uH MIN
Insertion Loss: -1.2dB (1-100MHz)
Return Loss: -16dB(1-30MHz),-14dB(40MHz),-12dB(50MHz),- 10dB
Cross Talk: -43dB(30MHz),-37dB(60MHz),-33dB(100MHz)
DCMR: -50dB(30MHz),-43dB(60MHz),-35dB(100MHz)
HI-POT: 500Vrms/0.5mA/2Sec
HI-POT: 1000Vrms/0.5mA/2Sec
POE Current: 350mA
DC Current (J4,J5,J7,J8): 1.5A
DC Current (P9 & P10): 3A
Durability: 750 cycles
Operating Temperature: -40C~+85C



Series	Positions	Contacts	Body Style	Ground Tab	Color	Plating	Options	Panel Grounds
CTJ	8	08	48F1501LXX	D1	BK	P1	FS	PG6
Modular jack	8 positions	8 contacts	Side entry with magnetics and LEDs	D1=3.05mm offset	BK=Black	P1=15µ" gold P2=30µ" gold P3=50µ" gold	FS=Full shield	PG6=Top & sides

RoHS compliant

Rev.	Description	Date	Approved	Drawing	Name	Date
				Approved	Howard	07/13/09
				Checked	Lizzy	07/13/09
				Drawn	Tina	07/13/09
				0.0 ± 0.35	0.00 ± 0.20	Angles ± 3'
					UNIT: mm	

Central Components Manufacturing
440 Lincoln Blvd., Middlesex, New Jersey 08846
Phone 732 469-5720 888 288-5152 Fax 732 469-1919

Part No.: **CTJ-8-08-48F1501LXX-D1-BK-P1-FS-PG6**

Description: RJ45 10/100 Base-T POE Single Port Magnetic Jack