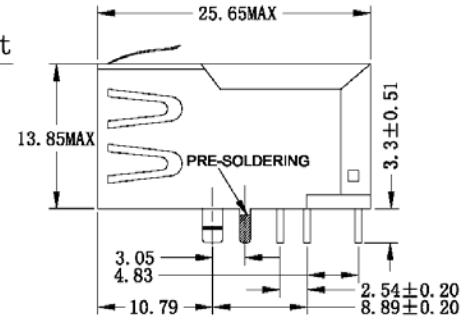
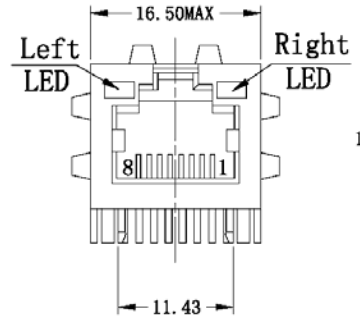


PC Board Layout
Component Side Shown



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

SPECIFICATIONS

- Contact Material:** Phosphor Bronze C5191—0.35mm Thickness
 1. Plating(1) Nickel
 2. Plating(2) 100%Sn
- Housing Material:** Nylon GF (Fr50) UL94V-0, Black
- Insert Material:** Phosphor Bronze C5210 EH—0.35mm Thick
 Insert—PBT GF UL94V-0
 1.Plating(1) Nickel
 2.Plating(2) 100%Sn
 3.Plating(3) Gold (3u" ~ 50u")
- Plating Material:** PBT GF UL94V-0
- Shielding Material:** Brass C2680 H.—0.2mm Thickness, Nickel Plating
- Operating Life:** 750 Cycles Min.
- Turn Ratio:** 1CT:1CT
- Inductance:** 350uH HIM
- LL:** 0.3uH MAX
- CWW:** 30pF TYP
- Insertion Loss:** -1.0dB (1-65MHz)
- Return Loss:** -18dB(1-30MHz), -19+20log(f/30MHz)dB(30-60MHz),
 -12dB(60-80MHz)
- Cross Talk:** -35dB(1-65MHz)
- CMR:** -30dB(30-100MHz), -20dB(100-130MHz)
- DCR:** 1.2Ω MAX
- HI-POT:** 1500Vrms/0.5mA/60Sec or 1650Vrms/0.5mA/2Sec
- Operating Temp:** -40°C to +85°C

Series	Positions	Contacts	Style	LED	Color	Plating	Options	Panel Grounds	
CTJ	8	08	47F120G		GY	BK	PX	XX	PGX
Modular jack	8 positions	8 contacts	47F120G Body Style/Magnetic	Y=Yellow LED (right) G=Green LED (left)	BK=Black	P1=15μ" gold P2=30μ" gold P3=50μ" gold	[blank]=None FS=Full shield	1=Top (single) 2=Top 4=Sides 6=Top & sides	

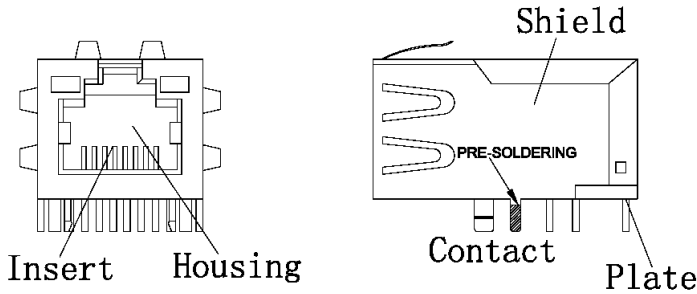
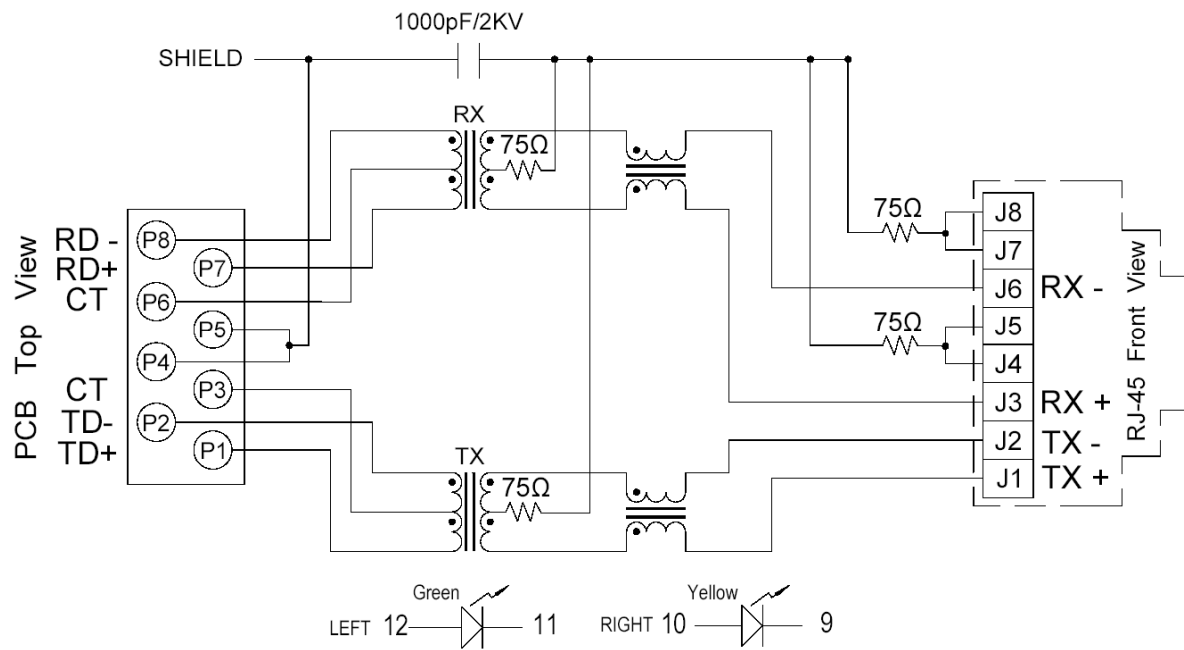
RoHS compliant

Rev.	Description	Date	Approved	Drawing	Name	Date
				Approved	Howard	05/27/08
				Checked	Lizzy	05/27/08
				Drawn	Tina	05/27/08
				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-8-08-47F120GGY-BK-P3-FS-PG6**

Description: 10/100 Base-T Single Port RJ-45 Jack Magnetics



RoHS compliant

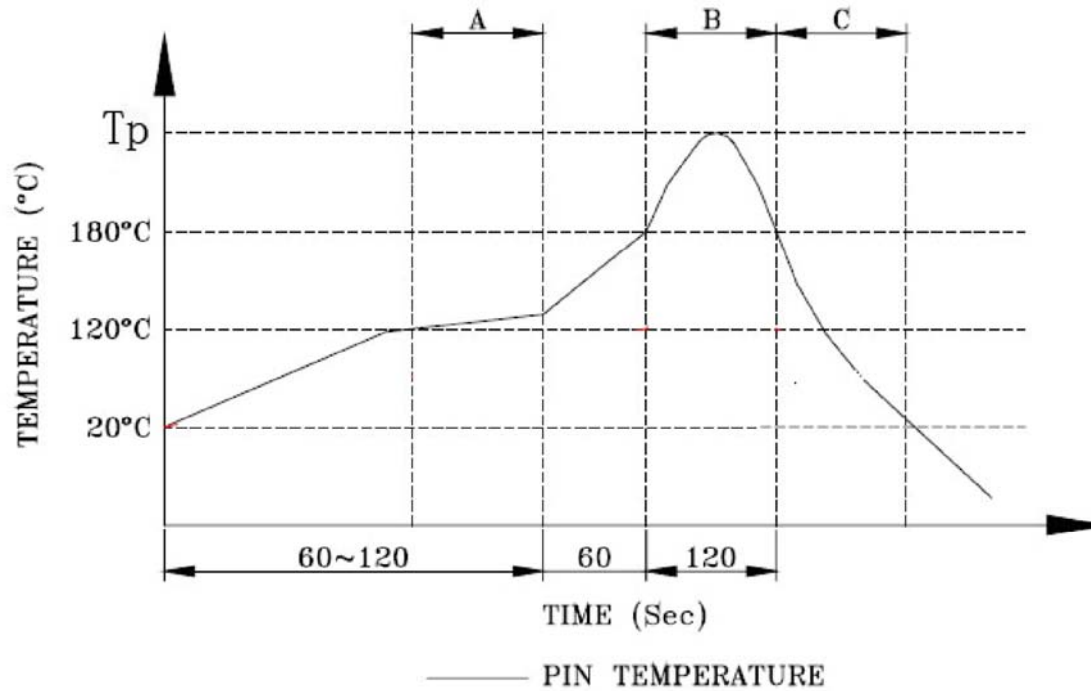
Rev.	Description	Date	Approved	Drawing	Name	Date
				Approved	Howard	05/27/08
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				0.0 ± 0.35	0.00 ± 0.20	Angles ± 3'
					UNIT: mm	

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Description: 10/100 Base-T Single Port RJ-45 Jack Magnetics


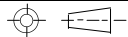
Wave Solder Profile



A. Preheating B. Soldering C. Gradual Cooling

Suggested Wave Solder Curve

1. Peak Temperature (Tp): $250 \pm 10^\circ\text{C}$
2. Peak Temperature (Tp) time: 5sec max

Rev.	Description	Date	Approved	Drawing	Name	Date	 Central Components Manufacturing 440 Lincoln Blvd., Middlesex, New Jersey 08846 Phone 732 469-5720 888 288-5152 Fax 732 469-1919
				Approved	Howard	05/27/08	
				Checked	Lizzy	05/27/08	
				Drawn	Tina	05/27/08	
				0.0 ± 0.35 0.00 ± 0.20 Angles ± 3'			Part No.: CTJ-8-08-47F120GGY-BK-P3-FS-PG6
				 UNIT: mm			Description: 10/100 Base-T Single Port RJ-45 Jack Magnetics