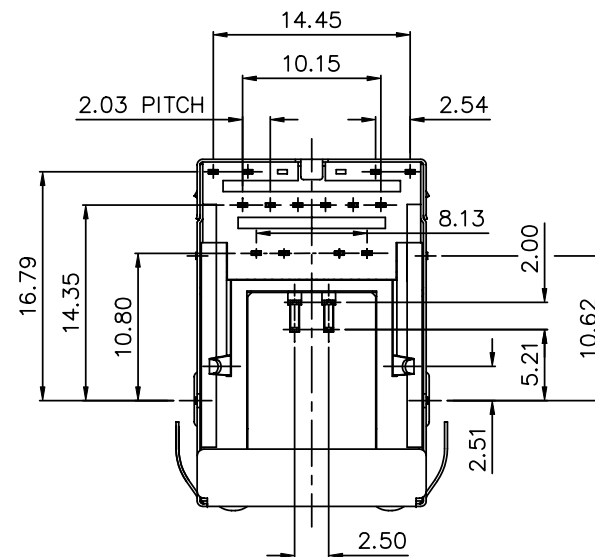
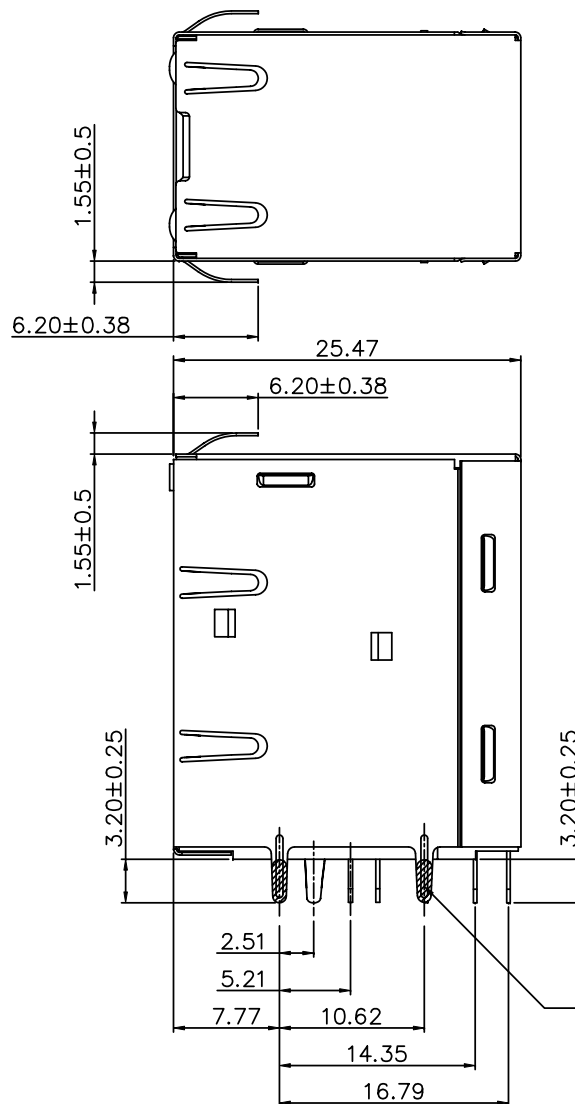
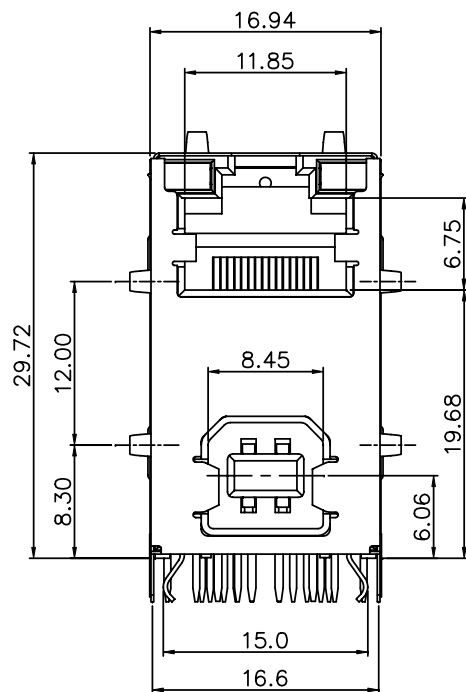


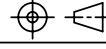


PRODUCT NO.  
10085072-XXXLF



BOTTOM VIEW

PRE SOLDERING

mat'l. code				tolerances unless otherwise specified				CUSTOMER COPY		<div>FCI</div> <div>www.fciconnect.com</div>	
ltr	ecn no	dr	date	linear	.X ±0.30				projection	title RJ45 + USB B TYPE W/LED TRANSFORMER 10/100/1000	
A	T07-1184	WL	12/21/07		.XX ±0.20						
					.XXX ±0.10						
				angles	0° ±2°				<div></div>	product family JACK SERIES size dwg no A4 10085072	
				dr	WENDY CHEN	12/17/07	MM				
				enrg	WENDY CHEN	12/17/07					
				chr	WENDY CHEN	12/17/07		scale			
				appd	ALEX LIANG	12/17/07					
sheet index	revision sheet	A 1	A 2	A 3							

## NOTES:

- MATERIALS :**  
SHELL : STAINLESS STEEL, T=0.20mm  
HOUSING: HIGH THERMOPLASTIC, UL 94V-0  
RJ CONTACT : COPPER ALLOY, T=0.25mm  
USB CONTACT: COPPER ALLOY, T=0.25mm  
MODULE: PHENOLIC UL94V-0  
INPUT PIN: COPPER ALLOY
- FINISH :**  
RJ CONTACT : SELECTED GOLD PLATING ON CONTACT AREA  
INPUT PIN: TIN COATED COPPER ALLOY  
USB CONTACT: 30u" GOLD PLATING ON CONTACT AREA  
SHELL : PRE-SOLDERING ON SHELL GROUNDING LEG
- MECHANICAL CHARACTERISTICS :**  
RJ45: INSERTION FORCE : 22N MAX.  
REMOVAL FORCE(WITHOUT PLUG LOCK) : 22N MAX.  
PLUG LOCKING RETENTION FORCE : 50N MIN./60sec  
DURABILITY : 1000 TIMES  
USB: INSERTION FORCE: 35N MAX  
REMOVAL FORCE: 10N MIN. 35N MAX.
- OPERATING TEMPERATURE :** 0°C ~ 70°C
- PRODUCT PERFORMANCE PER SPEC. :** GS-12-529.
- PACKING SPEC. :** GS-14-1237.
- THIS PRODUCT MEETS THE EUROPEAN UNION DIRECTIVE AS DESCRIBED IN GS-22-008.**
- THE HOUSING WILL WITHSTAND EXPOSURE TO 265°C PEAK TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER APPLICATION WITH A CIRCUIT BOARD.**
- PART NUMBER DESCRIPTION:**

10085072-X X X LF

### LED COLOR CODE:

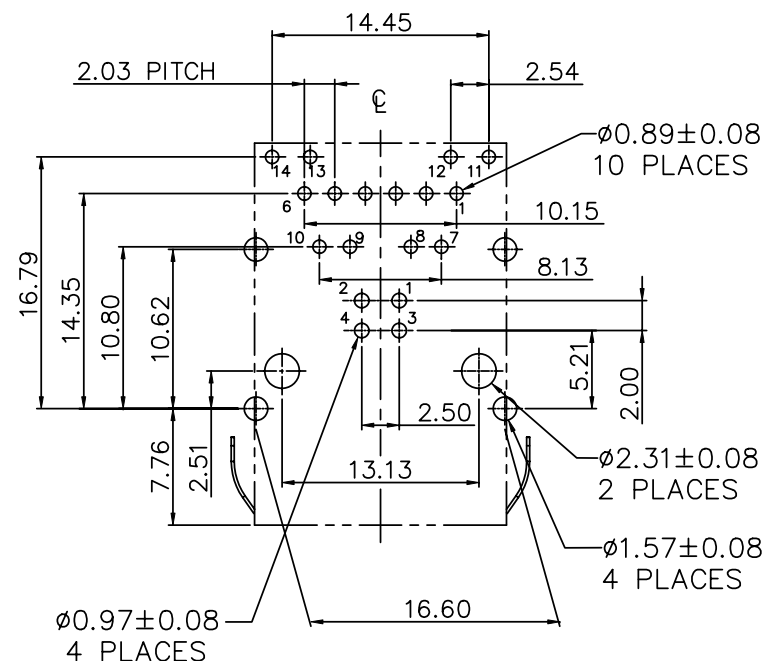
0: RIGHT LED COLOR: GREEN/YELLOW  
LEFT LED COLOR: GREEN

### TRANSFORMER SPEED :

0: 10/100/1000 BASE-T  
LED POLARITY: NORMAL  
WITHOUT RESISTOR

### RJ CONTACT AREA PLATING:

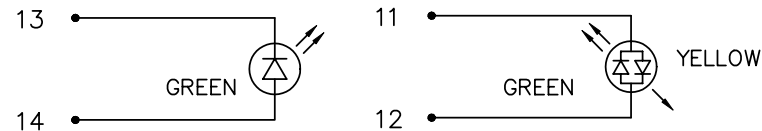
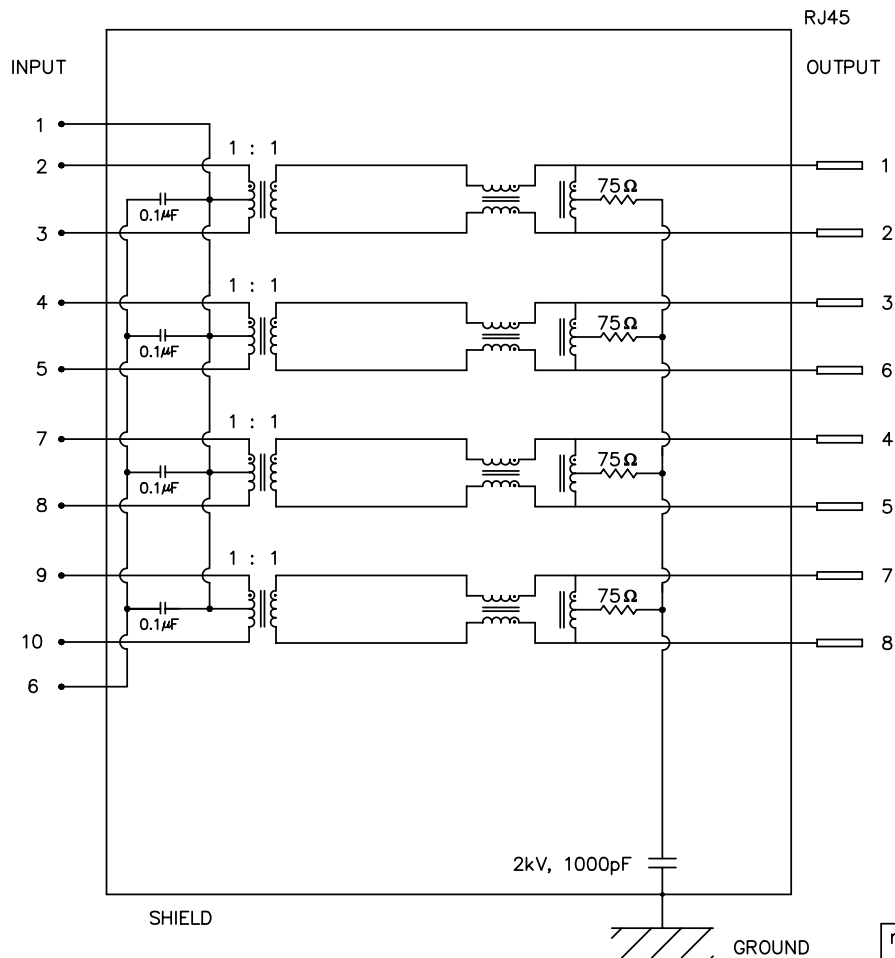
1 : 15u" GOLD



**RECOMMENDED PCB LAYOUT**  
COMPONENT SIDE PCB THICKNESS : 1.60mm  
ALL DIMENSION TOLERANCE ARE ±0.05

mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY		FCI	
ltr	ecn no	dr	date						
A				linear	.X ±0.30	projection		title	www.fciconnect.com
					.XX ±0.20			RJ45 + USB B TYPE W/LED	
					.XXX ±0.10			TRANSFORMER 10/100/1000	
				angles	0°±2°				
				dr	WENDY CHEN 12/17/07	MM		product family	JACK SERIES
				enr	WENDY CHEN 12/17/07			size	TWN
				chr	WENDY CHEN 12/17/07	scale		10085072	sheet 2 of
				appd	ALEX LIANG 12/17/07				
sheet index	revision sheet								

ELECTRIC SCHEME



Transmitter & Receiver Filter:

1. Insertion Loss (dB MAX)  
1~125MHz -1.2
2. Return Loss at 100W(dB MIN)  
1~30MHz -18  
30~60MHz -16  
60~80MHz -12  
80~100MHz -10
3. Common Mode Rejection@ 1~100 MHz: -30dB MIN
4. Cross Talk@1~100 MHz: -25dB MIN
5. Inductance@100KHz/ 0.1V, 8mA DC BIAS: 350uH MIN
6. HiPot Test: 1500Vrms(or 2250VDC), 60sec
7. LED: Forward Voltage (V)@ 20mA  
Typical :2.2 / MAX :2.6

mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY		FCI	
ltr	ecn no	dr	date	linear	.X ± 0.30	projection	title	www.fciconnect.com	
A					.XX ± 0.20				
					.XXX ± 0.10				
				angles	0° ±2°	MM	product family JACK SERIES	code TWN	
				dr	WENDY CHEN 12/17/07				
				enr	WENDY CHEN 12/17/07				
				chr	WENDY CHEN 12/17/07	scale	size dwg no	sheet 3 of	
				appd	ALEX LIANG 12/17/07				
sheet index	revision sheet						A4	10085072	