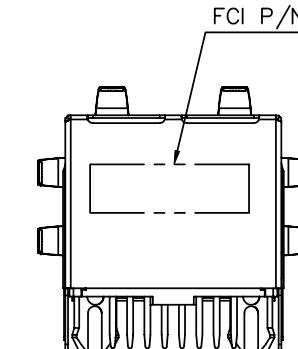
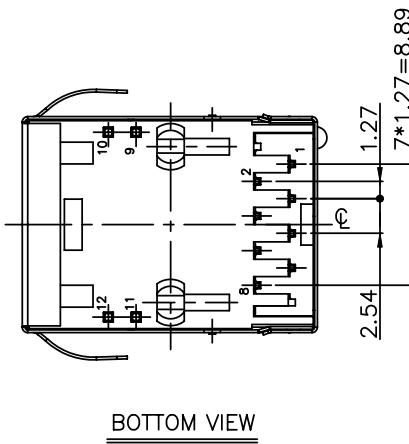
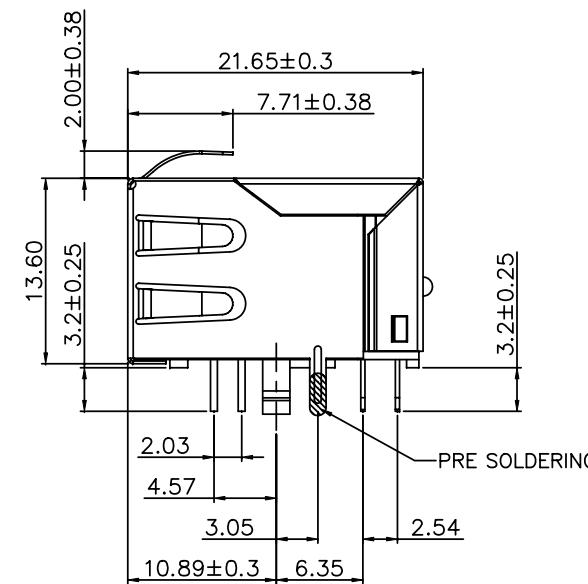
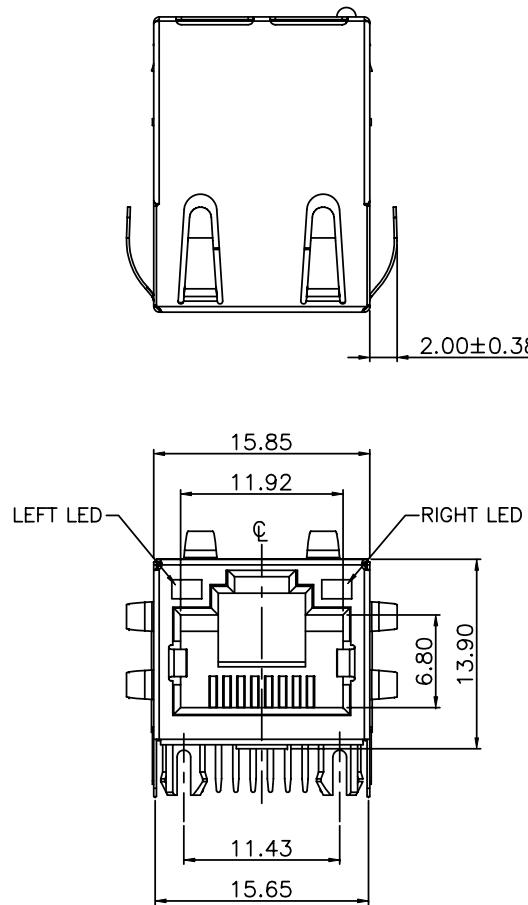


PART NO.  
10085075-XXXLF



mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY	<b>FCI</b>	www.fciconnect.com
ltr	ecn no	dr	date						
A	T08-1005	WL	01/07/08	linear	.X	± 0.30	projection	title RJ45 1x1 TAB UP W/LED/SPRING TRANSFORMER 10/100	product family JACK SERIES code TWN size dwg no 10085075 sheet 1 of 3
					.XX	± 0.20			
					.XXX	± 0.10			
				angles	0° ±2°				
				dr	WENDY CHEN	11/28/07	MM		
				engr	WENDY CHEN	11/28/07			
				chr	WENDY CHEN	11/28/07	scale		
				appd	ALEX LIANG	11/28/07			
sheet	revision	A	A						
index	sheet	1	2						

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## NOTES:

1. MATERIALS :  
SHELL : STAINLESS STEEL, T=0.20mm  
HOUSING: HIGH THERMOPLASTIC, UL 94V-0  
RJ CONTACT : COPPER ALLOY, T=0.25mm  
MODULE: HIGH THERMOPLASTIC UL94V-0  
INPUT PIN: COPPER ALLOY
2. FINISH :  
RJ CONTACT : 15 $\mu$ " MIN. GOLD PLATING ON CONTACT AREA  
INPUT PIN: TIN COATED COPPER ALLOY  
SHELL : PRE-SOLDERING ON SHELL GROUNDING LEG
3. MECHANICAL CHARACTERISTICS :  
INSERTION FORCE : 22N MAX.  
REMOVAL FORCE(WITHOUT PLUG LOCK) : 22N MAX.  
DURABILITY : 1000 TIMES
4. OPERATING TEMPERATURE : 0°C ~ 70°C
5. PRODUCT PERFORMANCE PER SPEC. : GS-12-532..
6. PACKING SPEC. : GS-14-1242.
7. THIS PRODUCT MEETS THE EUROPEAN UNION DIRECTIVE AS DESCRIBED IN GS-22-008.
8. THE HOUSING WILL WITHSTAND EXPOSURE TO 265°C PEAK TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER APPLICATION WITH A CIRCUIT BOARD.
9. PART NUMBER DESCRIPTION:

10085075-X X X LI

## LED COLOR CODE

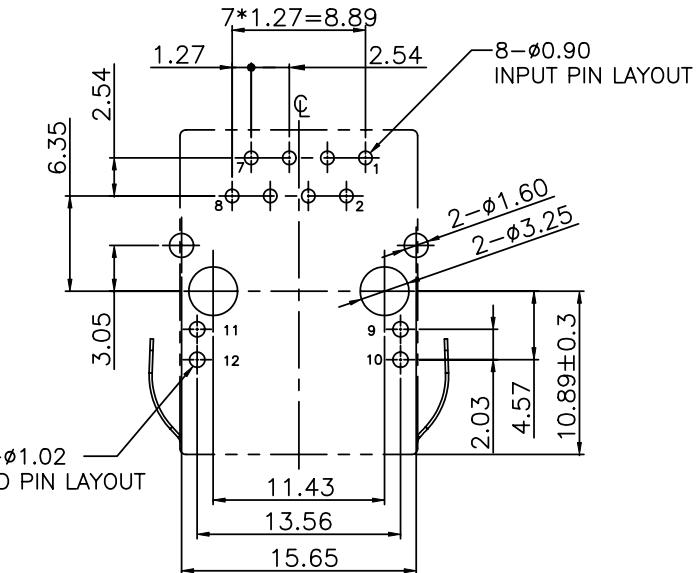
0: RIGHT LED COLOR: YELLOW  
LEFT LED COLOR: GREEN

## TRANSFORMER SPEED

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

## RJ CONTACT AREA PLATING:

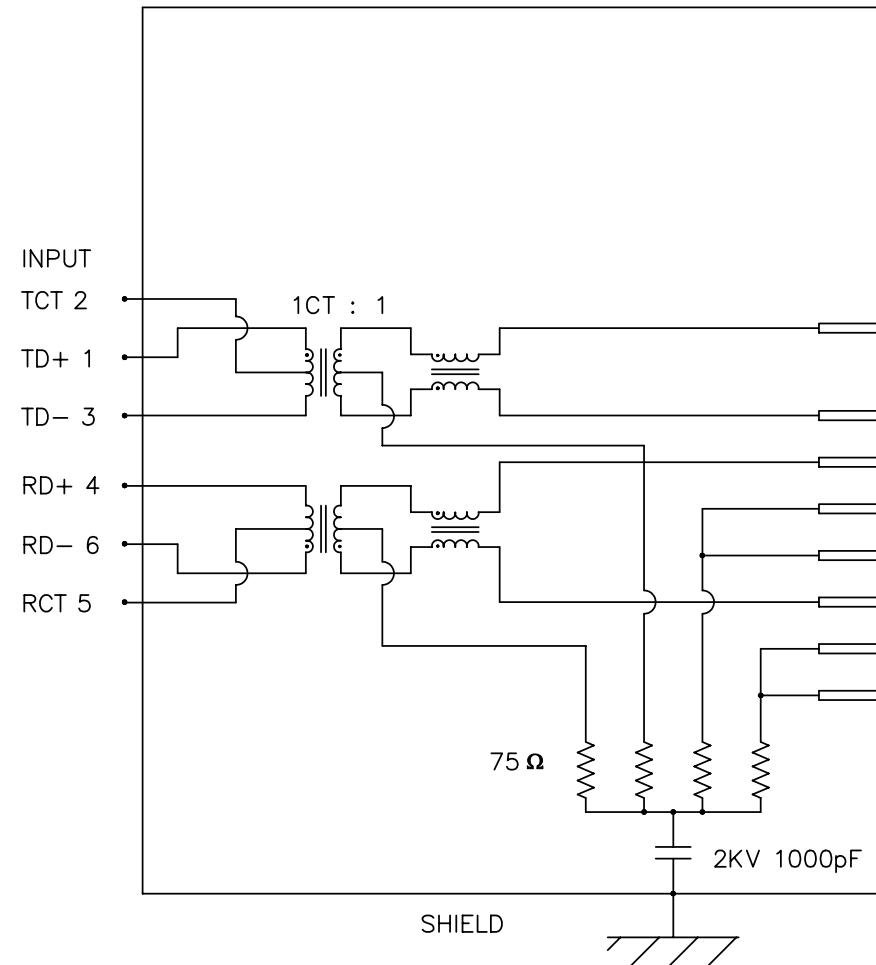
1 : 15u" GOLD



RECOMMENDED PCB LAYOUT (COMPONENT SIDE)  
ALL DIMENSION TOLERANCE ARE  $\pm 0.05$ mm

mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY	 <a href="http://www.fciconnect.com">www.fciconnect.com</a>	
ltr	ecn no	dr	date	.X ± 0.30 .XX ± 0.20 .XXX ± 0.10					
A				linear angles			projection 	title RJ45 1x1 TAB UP W/LED/SPRING TRANSFORMER 10/100	
				dr WENDY CHEN 11/28/07 engr WENDY CHEN 11/28/07 chr WENDY CHEN 11/28/07 oppd ALEX LIANG 11/28/07			MM  scale	product family JACK SERIES size dwg no A4	code TWN sheet 2 of
sheet index	revision sheet								

**ELECTRIC SCHEME**



RJ45

OUTPUT

RJ1 TX+

RJ2 TX-

RJ3 RX+

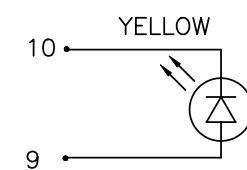
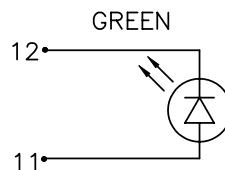
RJ4

RJ5

6 RX-

RJ7

RJ8



**Transmitter & Receiver Filter:**

1. Insertion Loss (dB MAX)  
1~100MHz -1.0
2. Return Loss at 100W(dB MIN)  
1~30MHz -18  
30~60MHz -16  
60~80MHz -12
3. Common Mode Rejection@ 1~100 MHz: -30dB MIN
4. Cross Talk@1~100 MHz: -35dB 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	<b>FCI</b> www.fciconnect.com
ltr	ecn no	dr	date	linear	.X ± 0.30		
A					.XX ± 0.20	projection	title RJ45 1x1 TAB UP W/LED/SPRING TRANSFORMER 10/100
					.XXX ± 0.10		
				angles	0° ±2°		
					dr WENDY CHEN 11/28/07	MM	product family JACK SERIES
					engr WENDY CHEN 11/28/07	scale	code TWIN
					chr WENDY CHEN 11/28/07		size dwg no
					appd ALEX LIANG 11/28/07		A4 10085075
sheet index	revision sheet						sheet 3 of