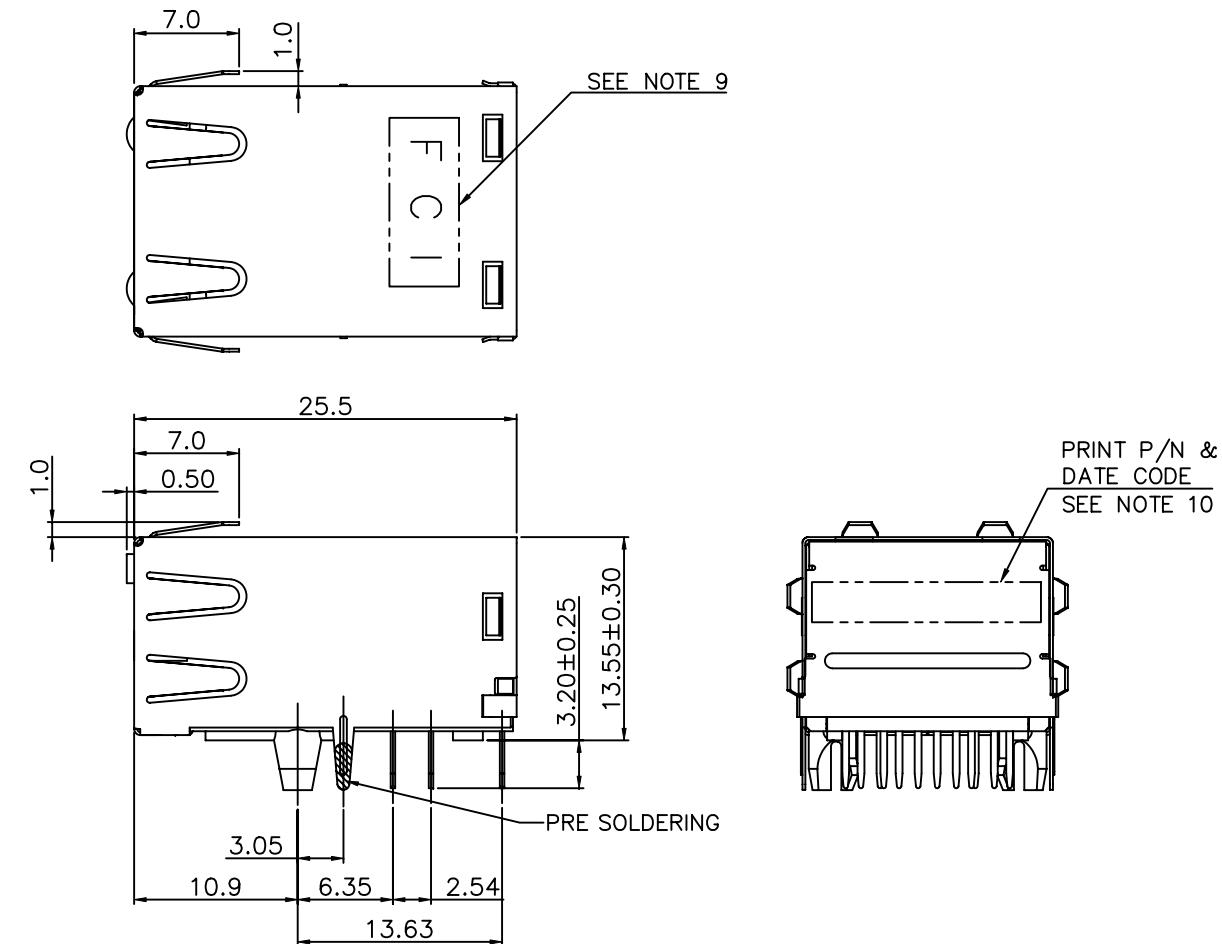
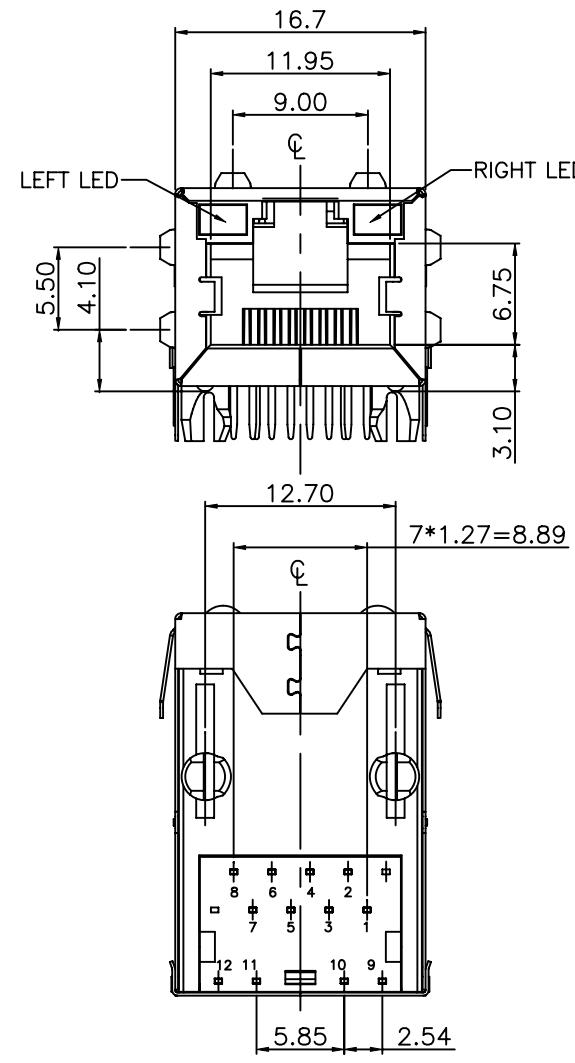




PRODUCT NO.

10084428-X00LF/X02LF



mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY	FCI	www.fciconnect.com	
ltr	ecn no	dr	date	.X ± 0.30						
B	T08-1002	WL	01/03/08	linear .XX ± 0.20			projection	title RJ45 1x1 W/LED/SPRING TAB UP, TRANSFORMER 10/100		
C	T08-1052	WL	04/30/08	.XXX ± 0.10			scale			
D	T08-1172	WL	10/07/08	angles 0° ±2°			MM			
E	T09-1014	WL	02/17/09	dr	WENDY CHEN	11/26/07	product family	JACK SERIES	code	
F	T09-1022	WL	02/26/09	engr	WENDY CHEN	11/26/07	size	TWIN	dwg no	
G	T09-1130	WL	10/05/09	chr	WENDY CHEN	11/26/07	sheet	A4	10084428	
H	T09-1137	WL	10/22/09	appd	ALEX LIANG	11/26/07	sheet	1 of 6		
sheet index		revision sheet		H	H	H				
				1	2	3				
				4	5	6				

**PRODUCT NO.****10084428-X00LF/X02LF****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, UL 94V-0
  - INPUT PIN: COPPER ALLOY
2. FINISH :
  - RJ CONTACT : 50 $\mu$ " MIN. NICKEL UNDER PLATED OVER ALL.
  - 100 $\mu$ " MIN. MATTE TIN ON SOLDERING AREA.
  - SELECTIVE GOLD PLATED 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-12-518.
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. "FCI" LOGO IS STAMPED ON THIS AREA.
10. "DATE CODE" DESCRIPTION:
 

XX XX  
—  
YEAR (EX.: 08--2008)

**11. PART NUMBER DESCRIPTION:**

10084428-X X X LF

**LED COLOR CODE:**

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

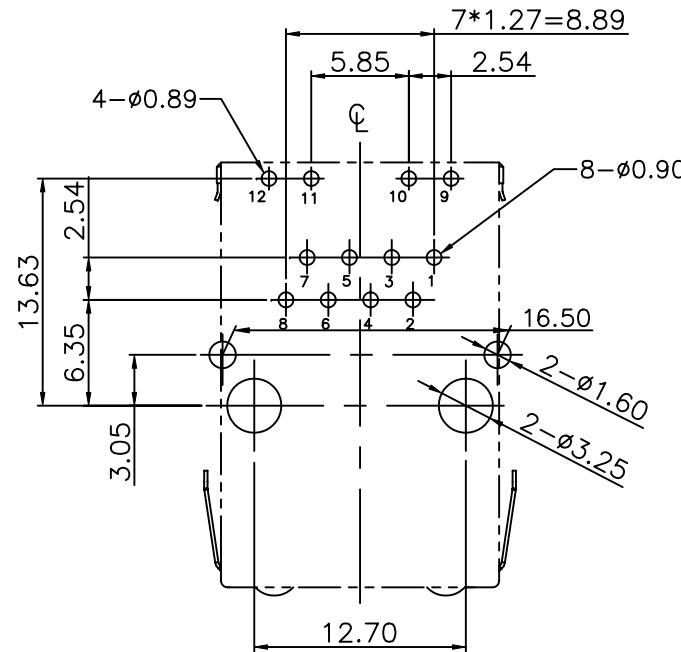
2: RIGHT LED COLOR: GREEN  
LEFT LED COLOR: YELLOW

**TRANSFORMER SPEED :**

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

**RJ CONTACT AREA PLATING:**

1 : 15 $\mu$ " GOLD  
2 : 30 $\mu$ " GOLD



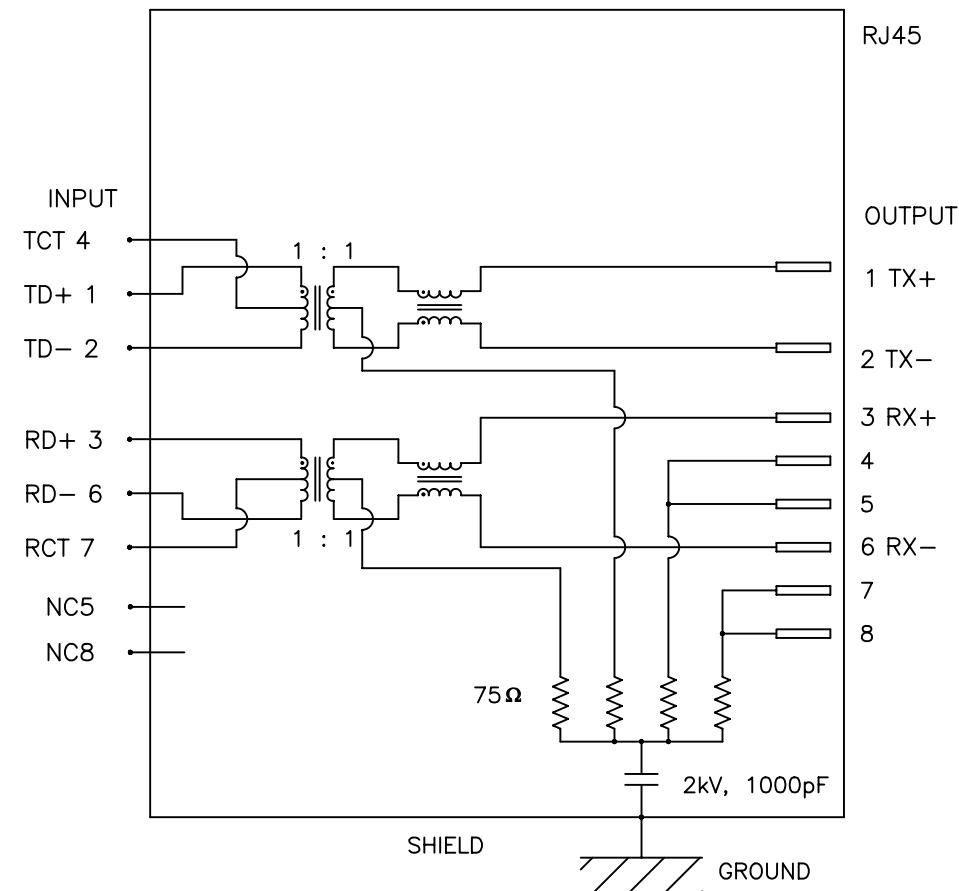
**RECOMMENDED PCB LAYOUT (COMPONENT SIDE)**  
ALL DIMENSION TOLERANCE ARE  $\pm 0.05$ mm

mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY	<b>FCI</b>	www.fciconnect.com
ltr	ecn no	dr	date	linear	angles			
H				.X $\pm$ 0.30		projection	title RJ45 1x1 W/LED/SPRING TAB UP, TRANSFORMER 10/100	
				.XX $\pm$ 0.20				
				.XXX $\pm$ 0.10				
				0° $\pm$ 2°				
		dr	WENDY CHEN 11/26/07		MM	product family	JACK SERIES	code
		engr	WENDY CHEN 11/26/07			size	dwg no	TWN
		chr	WENDY CHEN 11/26/07		scale	sheet		
		appd	ALEX LIANG 11/26/07			A4	10084428	2 of
sheet index		revision sheet						

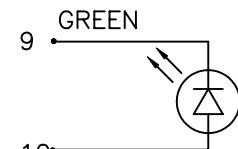
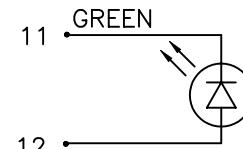
PRODUCT NO.

10084428-X00LF/X02LF

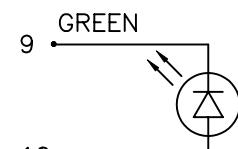
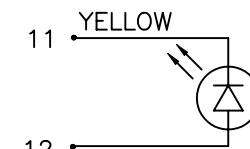
ELECTRIC SCHEME



RJ45



10084428-X00LF



10084428-X02LF

Transmitter & Receiver Filter:

1. Insertion Loss (dB MAX)  
1~100MHz -1.0
2. Return Loss at 100Ω(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	.X ± 0.30	.XX ± 0.20		
H				linear	.XXX ± 0.10	projection	title RJ45 1x1 W/LED/SPRING TAB UP, TRANSFORMER 10/100
				angles	0° ±2°	dr	WENDY CHEN 11/26/07
						engr	WENDY CHEN 11/26/07
						chr	WENDY CHEN 11/26/07
						appd	ALEX LIANG 11/26/07
sheet index				MM		product family	JACK SERIES
revision sheet				scale		code	TWN
				A4		size	dwg no
				10084428		sheet	3 of

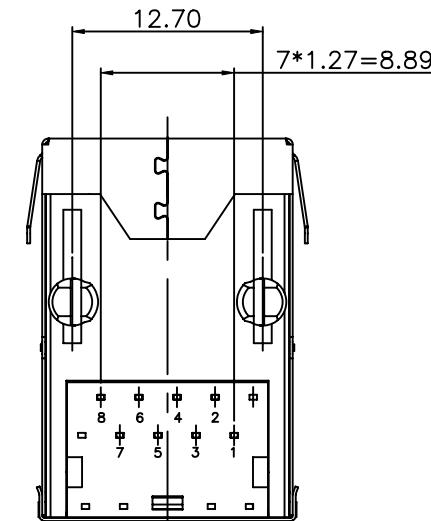
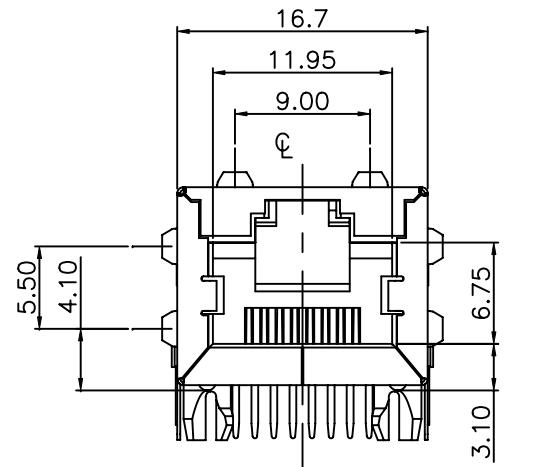
## PRODUCT NO.

10084428-X01LF

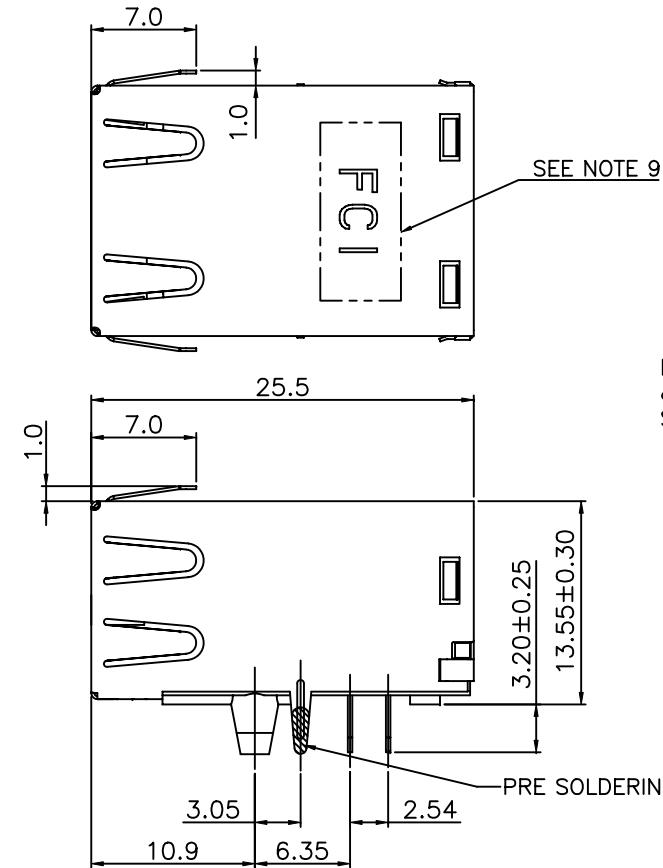
Tous droits strictement réservés. Reproduction ou communication à des tiers interdite sous quelque forme que ce soit sans autorisation écrite du propriétaire. Propriété de FCI. Droits de reproduction FCI.



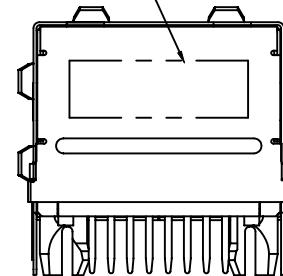
All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor. Property of FCI. Copyright FCI.



1 | 2



PRINT FCI P/N  
& DATE CODE  
SEE NOTE 10



A

ACAD

PDM: Rev:H

STATUS Released

cage code 28526 Oct 24, 2009

mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY	projection	title
ltr	ecn no	dr	date	linear	angles			
H				.X ± 0.30				
				.XX ± 0.20				
				.XXX ± 0.10				
				0° ±2°				
		dr	WENDY CHEN	02/17/09		product family	JACK SERIES	code
		engr	WENDY CHEN	02/17/09		size	dwg no	TWN
		chr	WENDY CHEN	02/17/09		scale		
		appd	ALEX LIANG	02/17/09				
sheet index		revision sheet				A4	10084428	sheet 4 of

B

3

4

**PRODUCT NO.****10084428-X01LF****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, UL 94V-0
  - INPUT PIN: COPPER ALLOY
2. FINISH :
  - RJ CONTACT : 50 $\mu$ " MIN. NICKEL UNDER PLATED OVER ALL.  
100 $\mu$ " MIN. MATTE TIN ON SOLDERING AREA.  
SELECTIVE GOLD PLATED 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-12-518.
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. "FCI" LOGO IS STAMPED ON THIS AREA.

## 10. "DATE CODE" DESCRIPTION:

XX XX  
 └─ WEEK  
 └─ YEAR (EX.: 08--2008)

## 11. PART NUMBER DESCRIPTION:

10084428-X X X LF

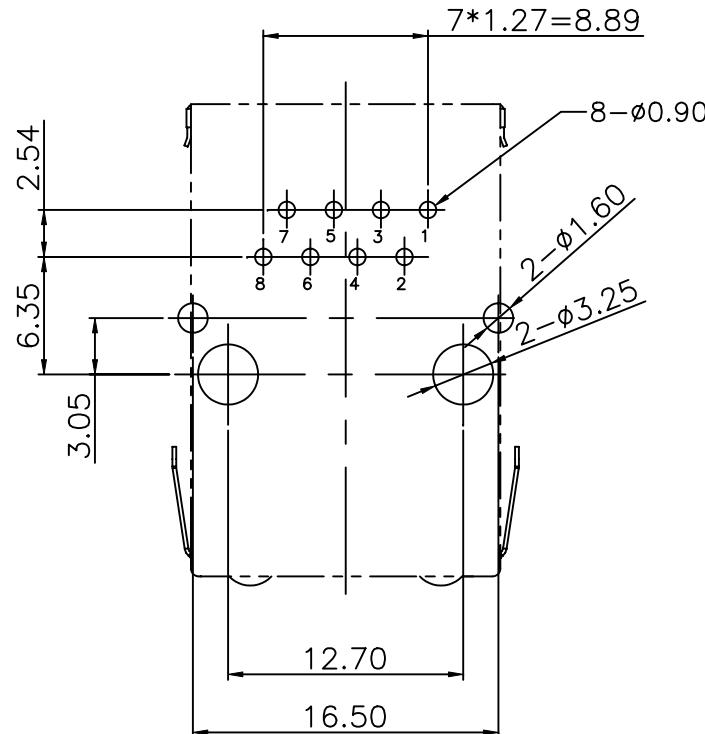
## LED COLOR CODE:

1 : WITHOUT LED

## TRANSFORMER SPEED :

0: 10/100 BASE-T

## RJ CONTACT AREA PLATING:

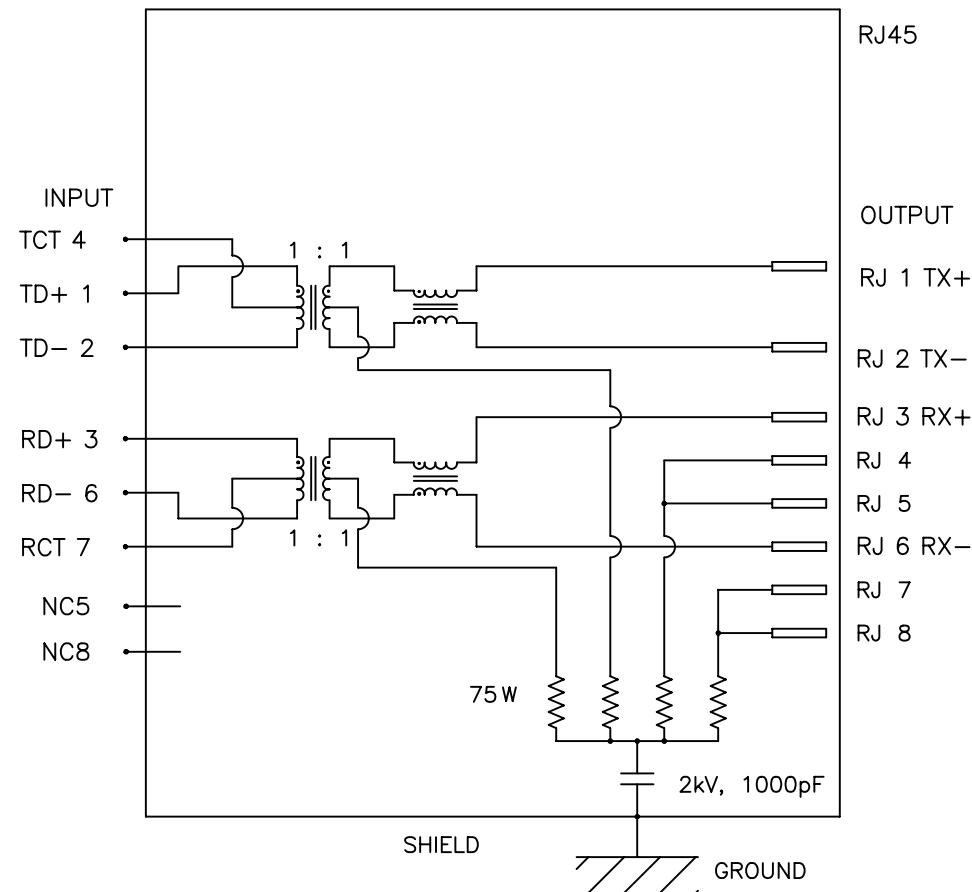
1 : 15 $\mu$ " GOLDRECOMMENDED PCB LAYOUT (COMPONENT SIDE)ALL DIMENSION TOLERANCE ARE  $\pm 0.05$ mm

mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY	 www.fciconnect.com
ltr	ecn no	dr	date	linear	angles		
H				.X ± 0.30		projection	title RJ45 1x1 WITHOUT LED TAB UP, TRANSFORMER 10/100
				.XX ± 0.20			
				.XXX ± 0.10			
				0° ±2°			
		dr	WENDY CHEN	02/17/09	MM	product family	JACK SERIES
		engr	WENDY CHEN	02/17/09		size	code
		chr	WENDY CHEN	02/17/09		dwg no	TWN
		appd	ALEX LIANG	02/17/09		scale	
						sheet	
						A4	10084428
		sheet	revision				
		index	sheet				

PRODUCT NO.

10084428-X01LF

## ELECTRIC SCHEME



## Transmitter &amp; 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

mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY	<b>FCI</b>	www.fciconnect.com
ltr	ecn no	dr	date	linear	angles			
H				.X ± 0.30		projection	title RJ45 1x1 WITHOUT LED TAB UP, TRANSFORMER 10/100	
				.XX ± 0.20				
				.XXX ± 0.10				
				0° ±2°				
				dr	WENDY CHEN 02/17/09	MM	product family	JACK SERIES
				engr	WENDY CHEN 02/17/09		size	dwg no
				chr	WENDY CHEN 02/17/09	scale	A4	10084428
				appd	ALEX LIANG 02/17/09			
sheet index	revision sheet							