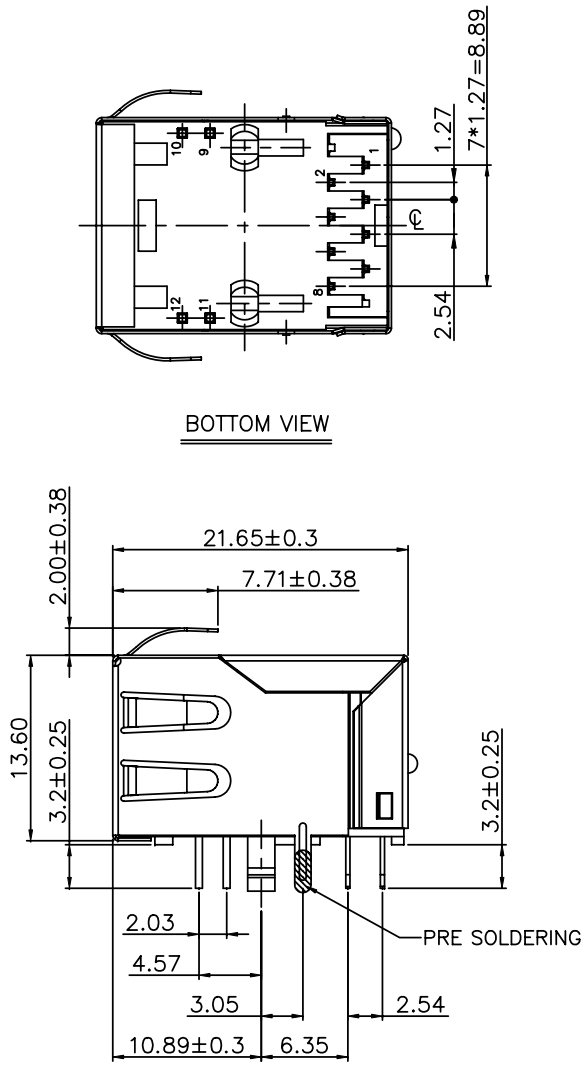
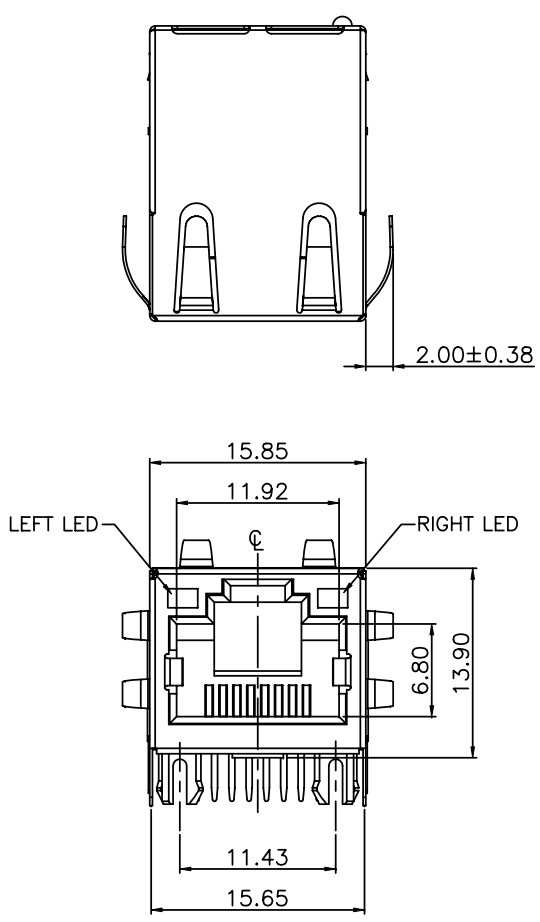


Tous droits strictement reserves. Reproduction ou communication a des tiers interdite sous quelque forme que ce soit sans autorisation écrite du propriétaire. Propriete de c FCI. Droits de reproduction FCI.

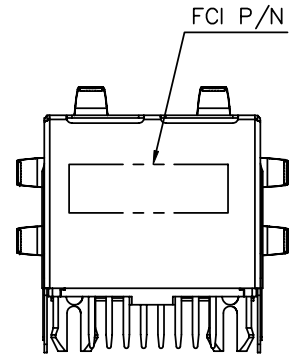
All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor. Property of FCI. Copyright FCI.






PART NO.
10085075-XXXLF



BOTTOM VIEW



mat'l. code				tolerances unless otherwise specified				CUSTOMER COPY		 www.fciconnect.com	
ltr	ecn no	dr	date	linear	.X ± 0.30				projection 	title RJ45 1x1 TAB UP W/LED/SPRING TRANSFORMER 10/100	
A	T08-1005	WL	01/07/08		.XX ± 0.20						
					.XXX ± 0.10						
				angles	0° ± 2°					product family JACK SERIES size dwg no	
				dr	WENDY CHEN	11/28/07					
				engr	WENDY CHEN	11/28/07					
				chr	WENDY CHEN	11/28/07	scale		A4	10085075	
				appd	ALEX LIANG	11/28/07					
sheet index	revision	A	A	A						code TWN	
	sheet	1	2	3						sheet 1 of 3	

ACAD

PDM: Rev:A

STATUS: Released 2008 Jan 09, 2008

cage code 29526

NOTES:

- 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
- FINISH :**
RJ CONTACT : 15u" MIN. GOLD PLATING ON CONTACT AREA
INPUT PIN: TIN COATED COPPER ALLOY
SHELL : PRE-SOLDERING ON SHELL GROUNDING LEG
- MECHANICAL CHARACTERISTICS :**
INSERTION FORCE : 22N MAX.
REMOVAL FORCE(WITHOUT PLUG LOCK) : 22N MAX.
DURABILITY : 1000 TIMES
- OPERATING TEMPERATURE :** 0°C ~ 70°C
- PRODUCT PERFORMANCE PER SPEC. :** GS-12-532..
- PACKING SPEC. :** GS-14-1242.
- 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:**

10085075-X X X LF

LED COLOR CODE:

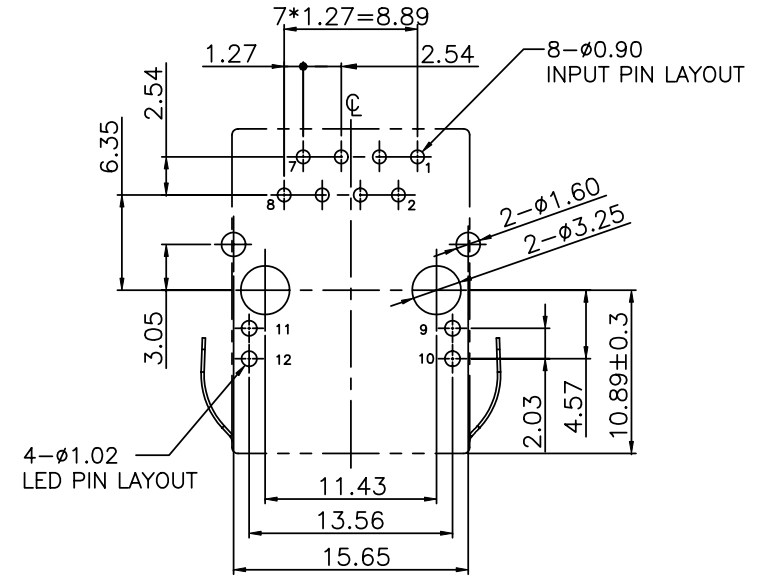
O: RIGHT LED COLOR: YELLOW
LEFT LED COLOR: GREEN

TRANSFORMER SPEED :

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

RJ CONTACT AREA PLATING:

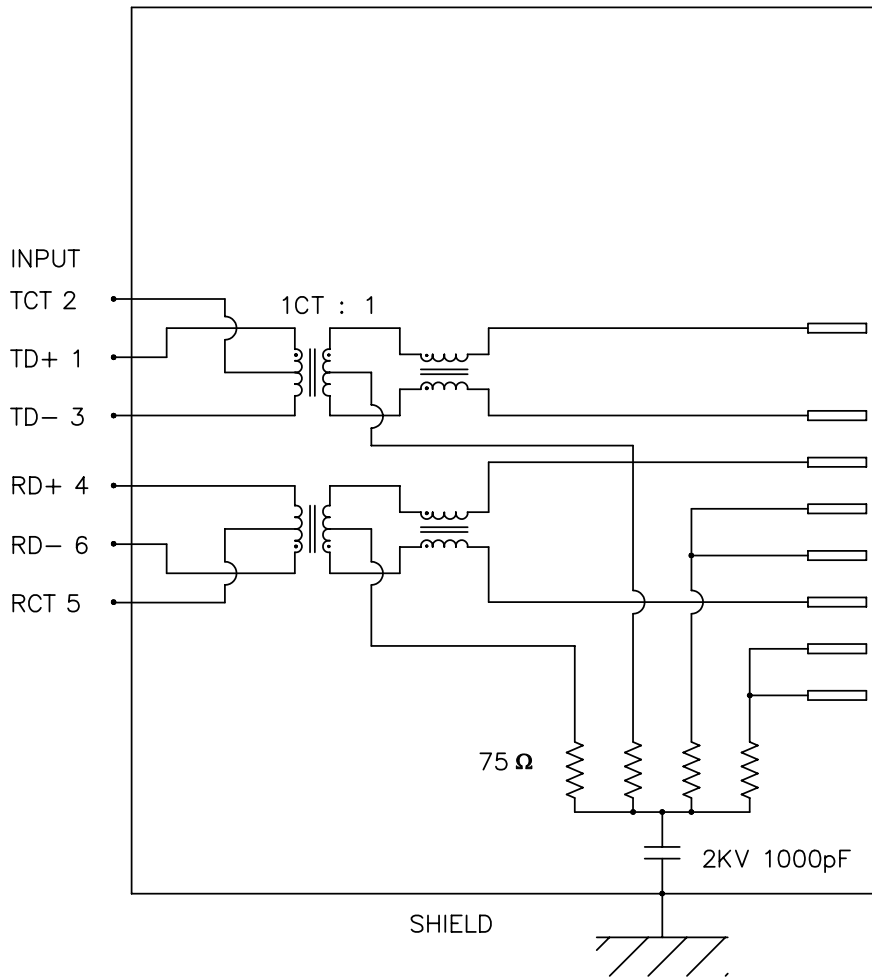
1 : 15u" GOLD



RECOMMENDED PCB LAYOUT (COMPONENT SIDE)
ALL DIMENSION TOLERANCE ARE ±0.05mm

mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY		FCI	
ltr	ecn no	dr	date		.X ± 0.30	projection		www.fciconnect.com	
A				linear	.XX ± 0.20			title RJ45 1x1 TAB UP W/LED/SPRING TRANSFORMER 10/100	
				angles	.XXX ± 0.10 0° ± 2°				
				dr	WENDY CHEN 11/28/07	MM		product family JACK SERIES code size dwg no TWN	
				enr	WENDY CHEN 11/28/07				
				chr	WENDY CHEN 11/28/07	scale		A4 10085075 sheet 2 of	
				appd	ALEX LIANG 11/28/07				
sheet index	revision sheet								

ELECTRIC SCHEME



RJ45

OUTPUT

RJ1 TX+

RJ2 TX-

RJ3 RX+

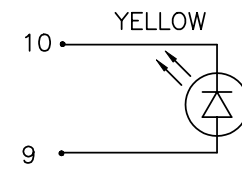
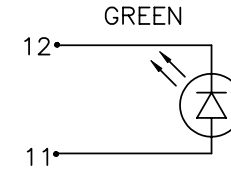
RJ4

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		FCI	
ltr	ecn no	dr	date	linear	.X ± 0.30	projection	MM	www.fciconnect.com	
A					.XX ± 0.20			title	
					.XXX ± 0.10			RJ45 1x1 TAB UP W/LED/SPRING TRANSFORMER 10/100	
				angles	0° ±2°	scale	A4	product family JACK SERIES	
				dr	WENDY CHEN 11/28/07			code	
				enr	WENDY CHEN 11/28/07			TWN	
				chr	WENDY CHEN 11/28/07	size	10085075	sheet	
				appd	ALEX LIANG 11/28/07			3 of	
sheet index	revision sheet								