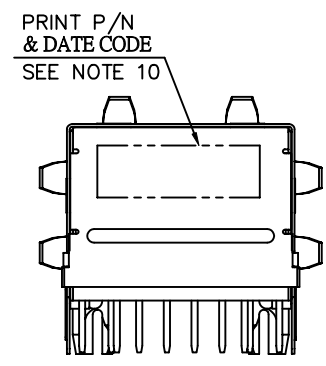
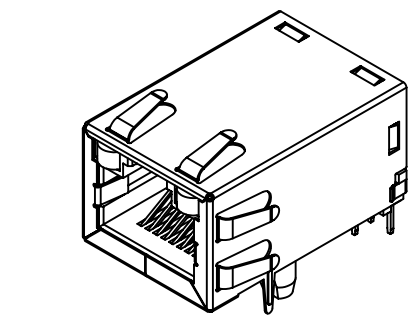
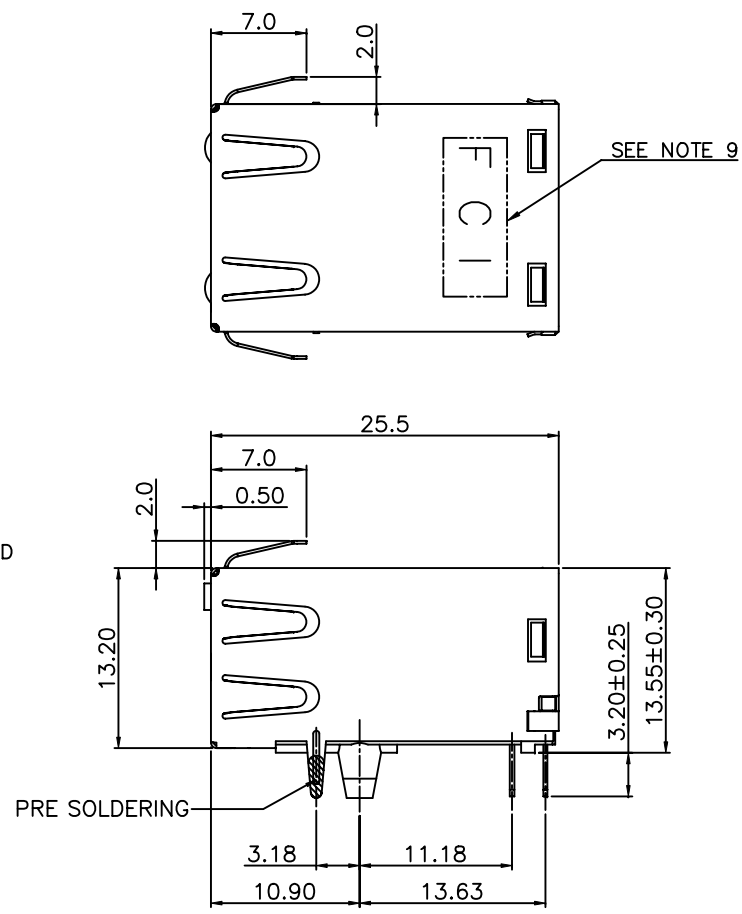
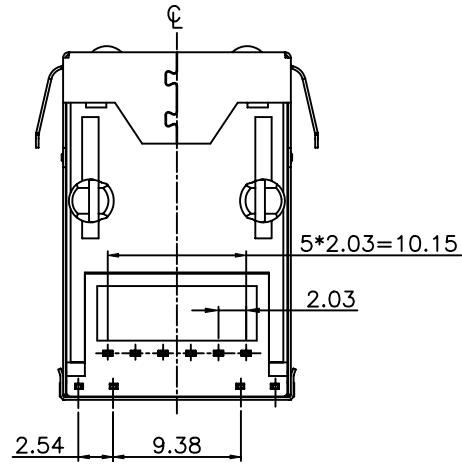
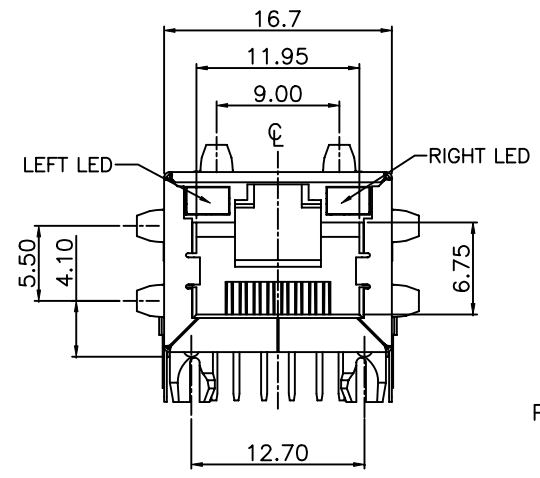



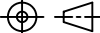

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PART NO.  
10085077-XXXLF



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(10P)	
A	T08-1007	WL	01/07/08		.XX ± 0.20					
B	T09-1100	WL	07/14/09		.XXX ± 0.10					
				angles	0° ± 2°				product family JACK SERIES size dwg no A4 10085077	
				dr	WENDY CHEN	01/08/08				
				engr	WENDY CHEN	01/08/08				
				chr	WENDY CHEN	01/08/08	scale			
				appd	ALEX LIANG	01/08/08				
sheet index		revision		B	B	B				
sheet		1		2	3					

ACAD

PDM: Rev:B

STATUS: Released  
cage code: 2526  
date: Jul 15, 2009

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NOTES:

1. MATERIALS :  
SHELL : STAINLESS STEEL, T=0.20mm  
HOUSING: HIGH THERMOPLASTIC, UL 94V-0  
RJ CONTACT : COPPER ALLOY, T=0.30mm  
MODULE: HIGH THERMOPLASTIC UL94V-0  
INPUT PIN: COPPER ALLOY
2. FINISH :  
RJ CONTACT : SELECTIVE 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-12-534.
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:

10085077-X X X LF

LED COLOR CODE:

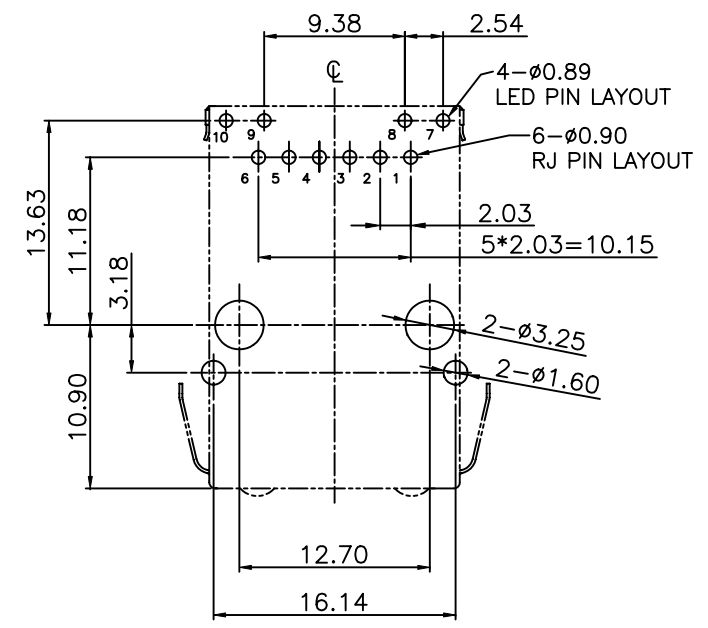
0: RIGHT LED COLOR: YELLOW  
LEFT LED COLOR: GREEN/ORANGE

TRANSFORMER SPEED :


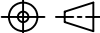

0: 10/100 BASE-T  
LED POLARITY: NORMAL  
WITHOUT RESISTOR

RJ CONTACT AREA PLATING:

1 : 15u" GOLD



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

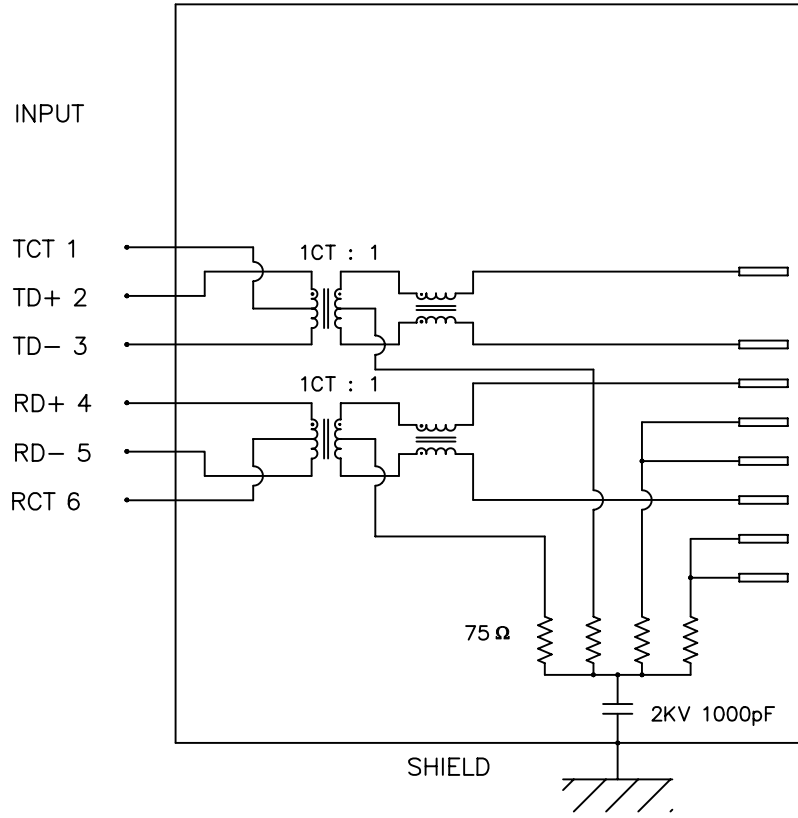
mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY		  www.fciconnect.com		
ltr	ecn no	dr	date	linear	.X ± 0.30			projection 	title RJ45 1x1 TAB UP W/LED/SPRING TRANSFORMER 10/100(10P)		
B					.XX ± 0.20						
					.XXX ± 0.10						
				angles	0° ±2°			 MM	product family JACK SERIES size dwg no A4 10085077		
				dr	WENDY CHEN	01/08/08					
				enrg	WENDY CHEN	01/08/08					
				chr	WENDY CHEN	01/08/08	scale	A4	sheet 2 of		
				appd	ALEX LIANG	01/08/08					
sheet index	revision sheet										

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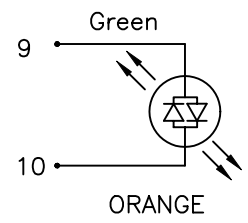


# ELECTRIC SCHEME

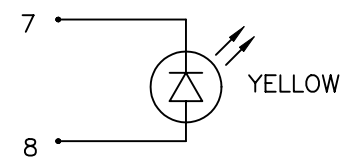


## OUTPUT

- RJ1 TX+
- RJ2 TX-
- RJ3 RX+
- RJ4
- RJ5
- RJ6 RX-
- RJ7
- RJ8




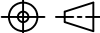

LEFT LED



RIGHT LED

## 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		  www.fciconnect.com	
ltr	ecn no	dr	date	linear	.X ± 0.30				projection 	title RJ45 1x1 TAB UP W/LED/SPRING TRANSFORMER 10/100(10P)	
B					.XX ± 0.20						
					.XXX ± 0.10						
				angles	0° ±2°					product family JACK SERIES size dwg no A4 10085077	
				dr	WENDY CHEN	01/08/08	scale				
				enrg	WENDY CHEN	01/08/08					
				chr	WENDY CHEN	01/08/08					
				appd	ALEX LIANG	01/08/08				sheet 3 of	
sheet index		revision sheet									

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[10085077-100LF](#)