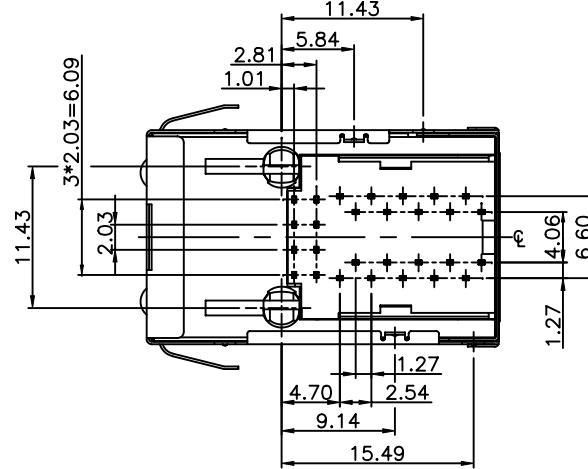
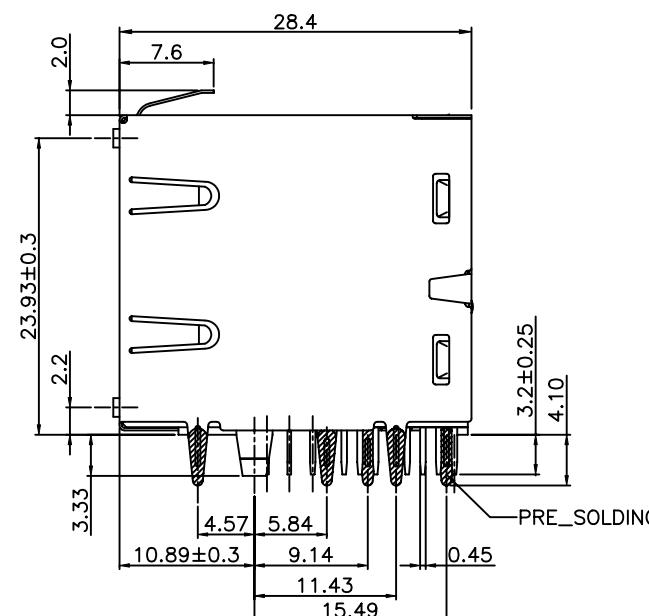
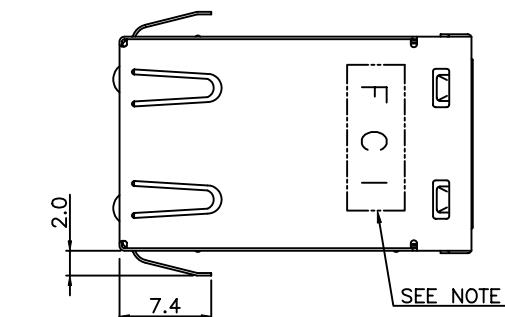
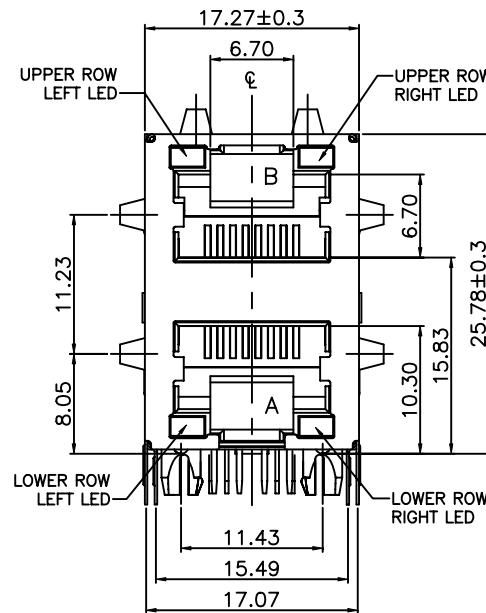


PART NO.

10084433-XXXLF



mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY	projection	title	www.fciconnect.com
ltr	ecn no	dr	date	linear	angles				
A	T07-1176	WL	11/29/07	.X ± 0.30	.XX ± 0.20				
B	T08-1052	WL	04/30/08		.XXX ± 0.10				
C	T09-1127	WL	09/29/09		0° ±2°				
				dr	WENDY CHEN 11/28/07		MM	product family	JACK SERIES
				engr	WENDY CHEN 11/28/07			size	code
				chr	WENDY CHEN 11/28/07		scale	dwg no	TWN
				appd	ALEX LIANG 11/28/07				
sheet index	revision sheet	C 1	C 2	C 3					

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 : 50u" MIN. NICKEL UNDER PLATED OVER ALL.  
100u" 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-12-523.

6. PACKING SPEC. : GS-14-1244.

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:

10084433-X X X LF

LED COLOR CODE:

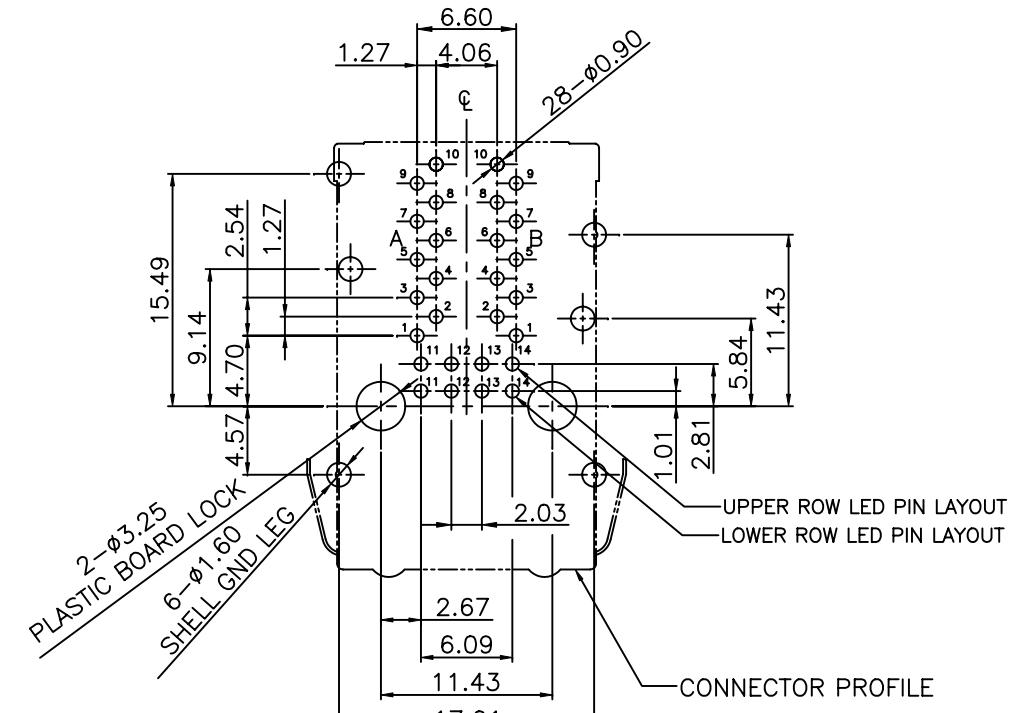
0: RIGHT LED COLOR: GREEN/ORANGE  
LEFT LED COLOR: GREEN  
2: RIGHT LED COLOR: YELLOW  
LEFT LED COLOR: GREEN/ORANGE

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)

ALL DIMENSION TOLERANCE ARE  $\pm 0.05$ mm

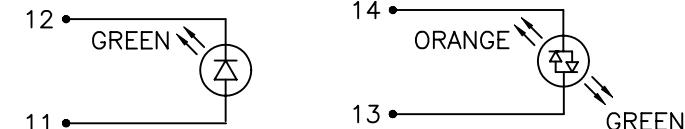
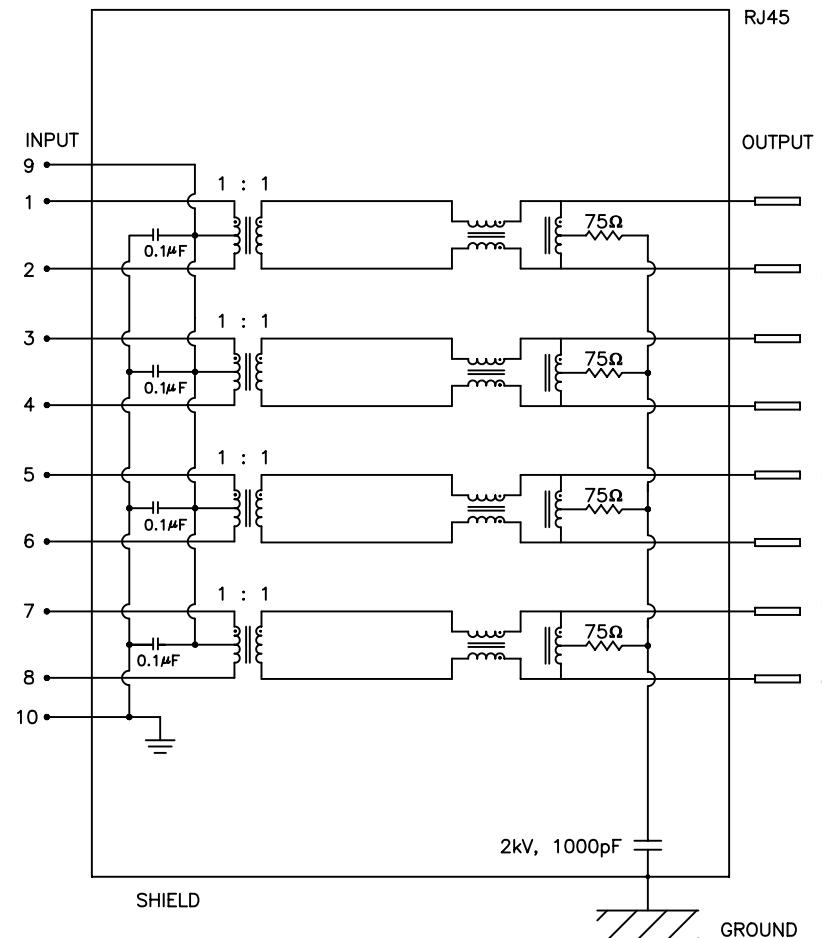
mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY	 www.fciconnect.com
ltr	ecn no	dr	date	linear	angles		
C				.X $\pm$ 0.30		projection	title RJ45 2x1 W/LED/SPRING TRANSFORMER 10/100/1000
				.XX $\pm$ 0.20			
				.XXX $\pm$ 0.10			
				0° $\pm$ 2°			
				dr	WENDY CHEN 11/28/07	MM	product family JACK SERIES
				engr	WENDY CHEN 11/28/07		code TWN
				chr	WENDY CHEN 11/28/07	scale	size dwg no
				appd	ALEX LIANG 11/28/07		sheet 2 of
				sheet			A4 10084433
				revision			
				sheet			

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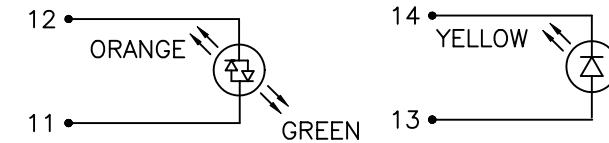
## ELECTRIC SCHEME



LEFT LED

RIGHT LED

## FOR X00LF



LEFT LED

## RIGHT LED

FOR X02LF

### 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		www.fciconnect.com		
Itr	ecn no	dr	date	linear	.X ± 0.30							
C					.XX ± 0.20			projection	title	RJ45 2x1 W/LED/SPRING TRANSFORMER 10/100/1000		
					.XXX ± 0.10							
					angles	0° ± 2°						
		dr	WENDY CHEN	11/28/07			MM	scale	product family	JACK SERIES	code	
		engr	WENDY CHEN	11/28/07					size	dwg no	TWN	
		chr	WENDY CHEN	11/28/07					A4	10084433		sheet
		appd	ALEX LIANG	11/28/07								3 of
sheet	revision											
index	sheet											