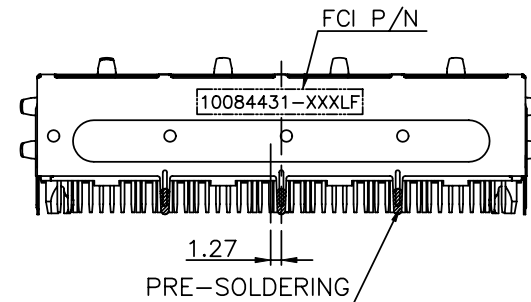
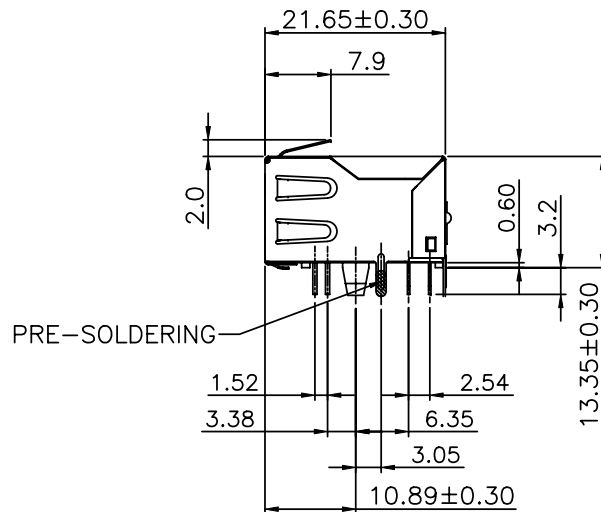
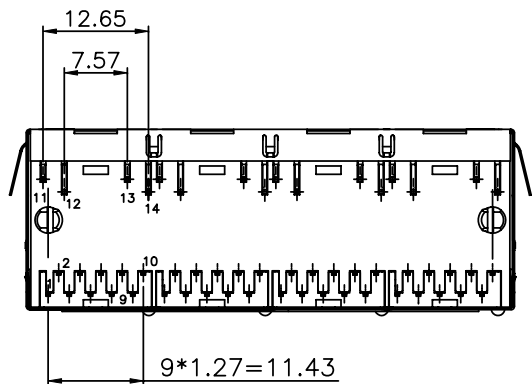
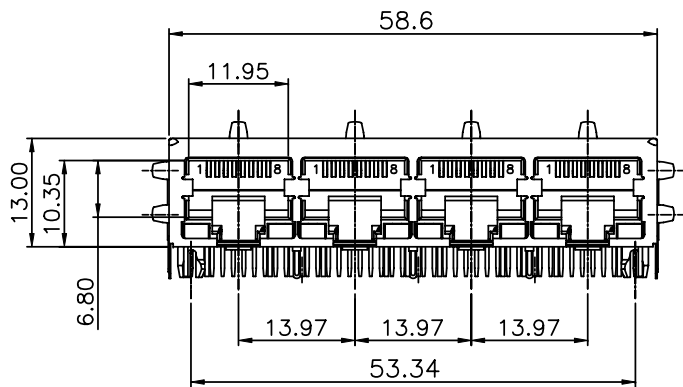
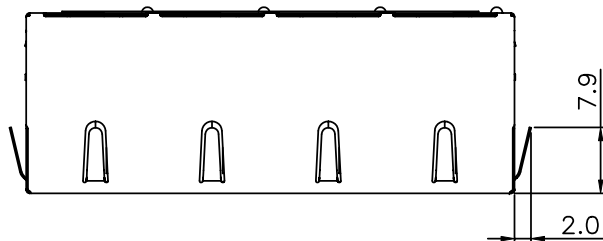




PART NO.
10084431-XXXLF



mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY	FCI	
ltr	ecn no	dr	date	linear	.X ± 0.30	projection	www.fciconnect.com	
A	T07-1174	WL	11/29/07		.XX ± 0.20			
					.XXX ± 0.10			
				angles	0° ± 2°	MM	title RJ45 1x4 W/LED/SPRING TAB DOWN, TRANSFORMER 10/100/1000	
				dr	WENDY CHEN 11/28/07			
				enr	WENDY CHEN 11/28/07			
				chr	WENDY CHEN 11/28/07	scale	product family JACK SERIES	
				appd	ALEX LIANG 11/28/07			
sheet index	revision sheet	A 1	A 2	A 3			size dwg no	
							A4 10084431	
							code TWN	
							sheet 1 of 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 : SELECTED 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-12-521

6. PACKING SPEC. : GS-14-1243

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:

10084431-X X X LF

LED COLOR CODE:

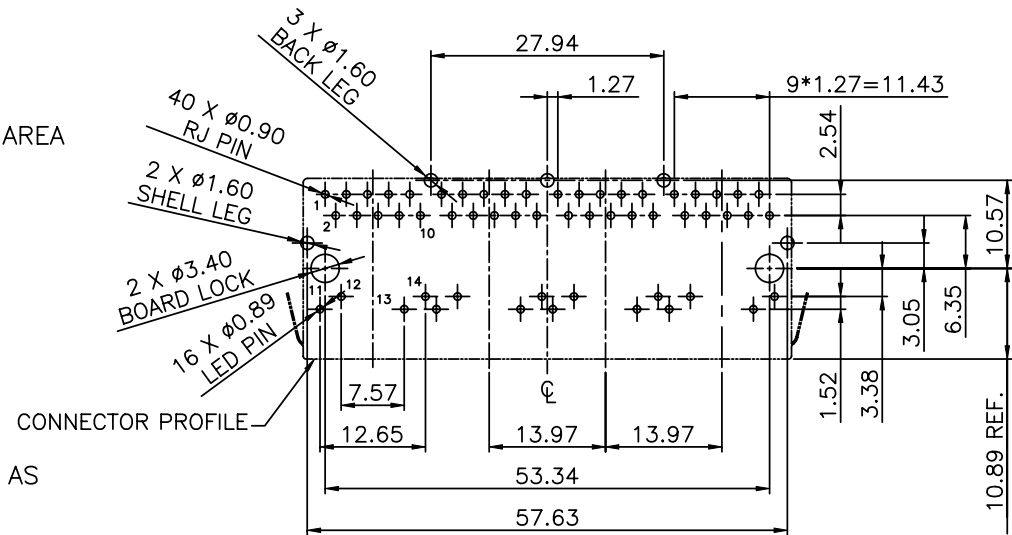
0: RIGHT LED COLOR: YELLOW
LEFT LED COLOR: ORANGE/GREEN

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 $\pm 0.05\text{mm}$

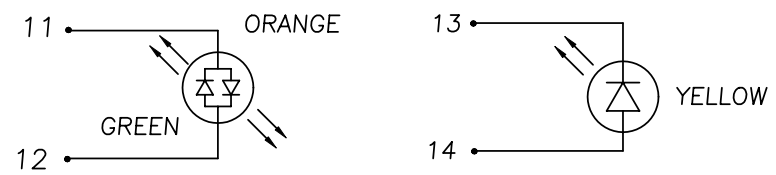
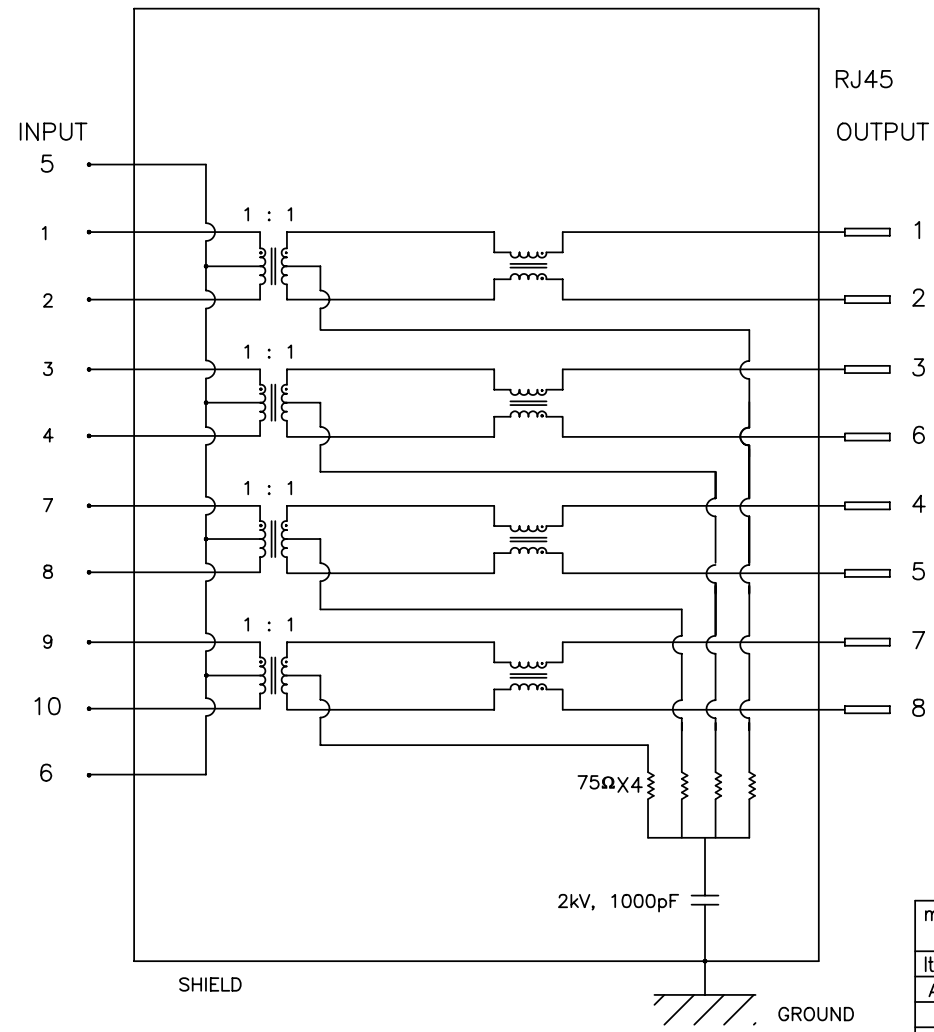
mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY		FCI	
ltr	ecn no	dr	date	linear	.X ± 0.30	projection	title	www.fciconnect.com	
A					.XX ± 0.20			RJ45 1x4 W/LED/SPRING	
					.XXX ± 0.10			TAB DOWN, TRANSFORMER 10/100/1000	
				angles	0° $\pm 2^\circ$	MM	product family	JACK SERIES	
				dr	WENDY CHEN 11/28/07			code	
				enr	WENDY CHEN 11/28/07			size	
				chr	WENDY CHEN 11/28/07	scale	A4	10084431	
				appd	ALEX LIANG 11/28/07			sheet	
sheet index	revision							2 of	
	sheet								

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ELECTRIC SCHEME



- Transmitter & Receiver Filter:
1. Insertion Loss (dB MAX)
1~125MHz -1.2
 2. Return Loss at 100Ω(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
Typica :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	title	www.fciconnect.com	
A					.XX ± 0.20				
					.XXX ± 0.10				
				angles	0° ± 2°	MM	RJ45 1x4 W/LED/SPRING TAB DOWN,TRANSFORMER 10/100/1000	product family JACK SERIES code TWN	
				dr	WENDY CHEN 11/28/07				
				enr	WENDY CHEN 11/28/07				
				chr	WENDY CHEN 11/28/07	scale	A4	size dwg no 10084431 sheet 3 of	
				appd	ALEX LIANG 11/28/07				
sheet index	revision sheet								