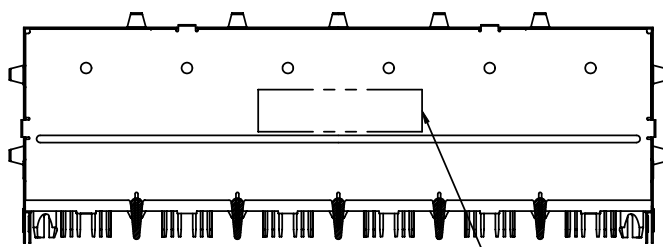
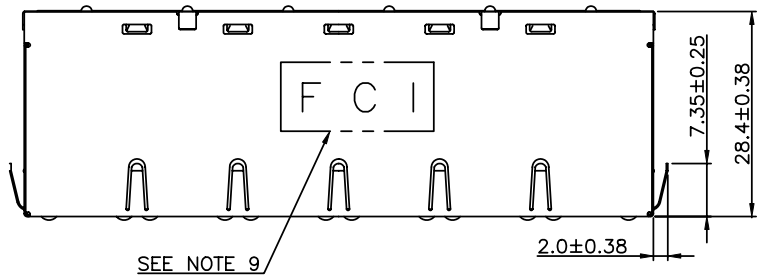


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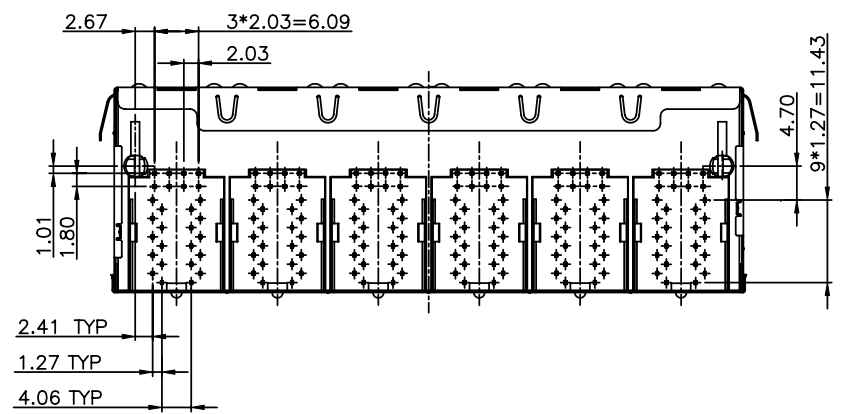
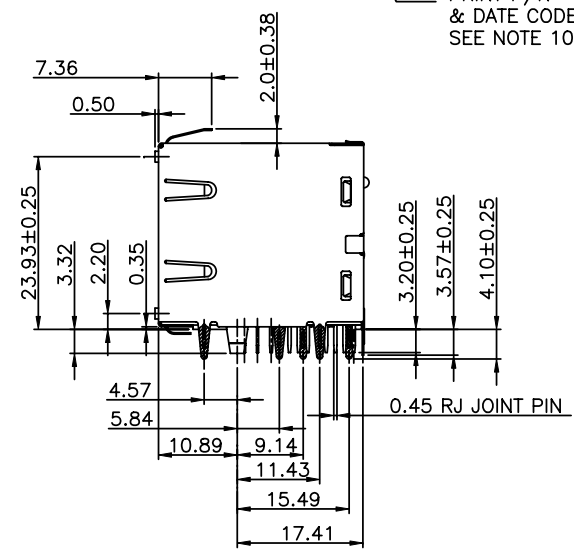
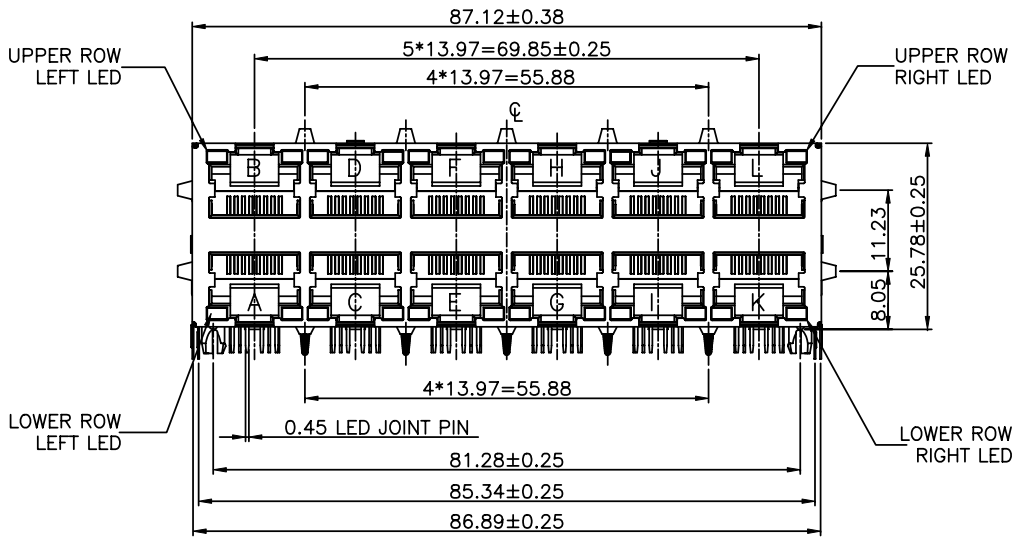


PART NO.  
10085081-XXXLF



BACK VIEW

PRINT P/N  
& DATE CODE  
SEE NOTE 10



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	T08-1066	WL	04/08/08		.XX ± 0.20				
					.XXX ± 0.10				
				angles	0° ± 2°	MM	RJ45 2x6 W/LED/SPRING TRANSFORMER 10/100	product family JACK SERIES code TWN	
				dr	WENDY CHEN 04/02/08				
				enr	WENDY CHEN 04/02/08				
				chr	WENDY CHEN 04/02/08	scale	A4	size dwg no 10085081 sheet 1 of 3	
				appd	MINERVA WANG 04/02/08				
sheet index	revision sheet	A 1	A 2	A 3					

ACAD

PDM: Rev:A

STATUS: Released 2008 Jun 23, 2008

cage code 29526

# 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-12-538.

6. PACKING SPEC. : GS-14-1281.

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:

10085081-X X X LF

## LED COLOR CODE:

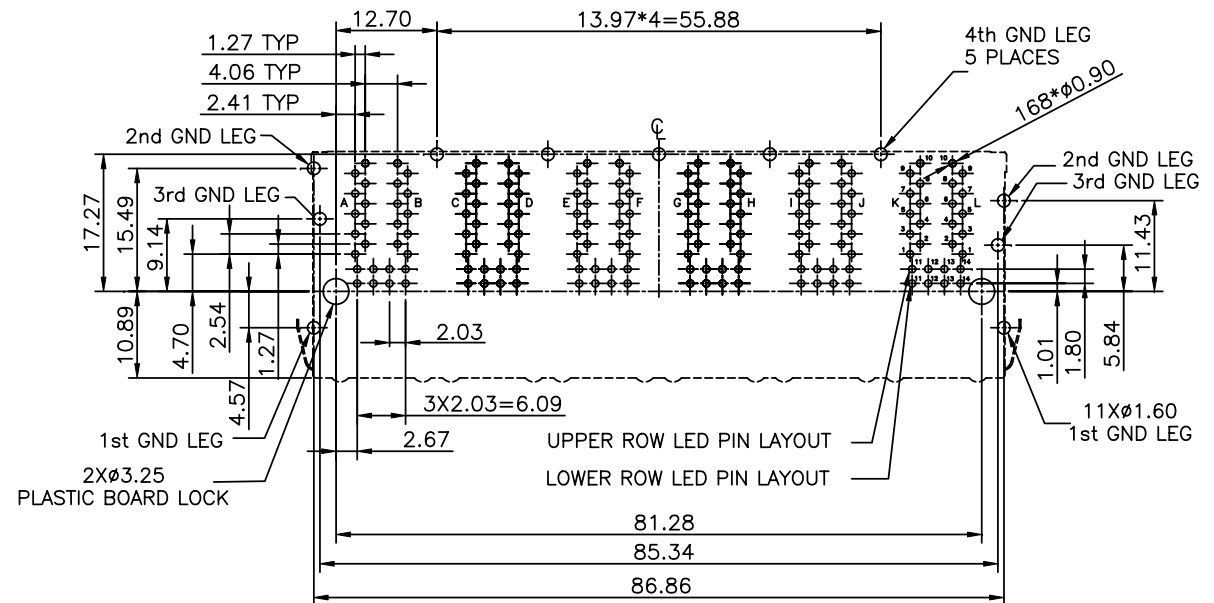
O: UPPER ROW:  
RIGHT LED COLOR: YELLOW  
LEFT LED COLOR: GREEN/ORANGE  
LOWER ROW:  
RIGHT LED COLOR: YELLOW  
LEFT LED COLOR: GREEN/ORANGE

## TRANSFORMER SPEED :

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

## RJ CONTACT AREA PLATING:

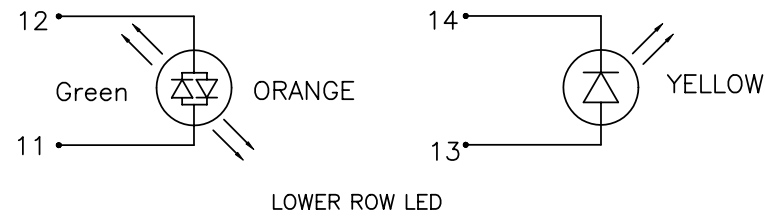
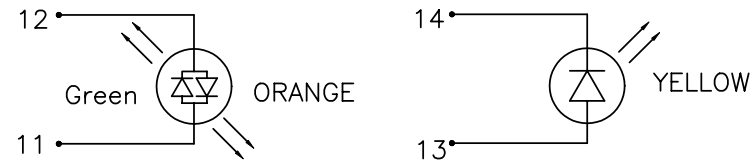
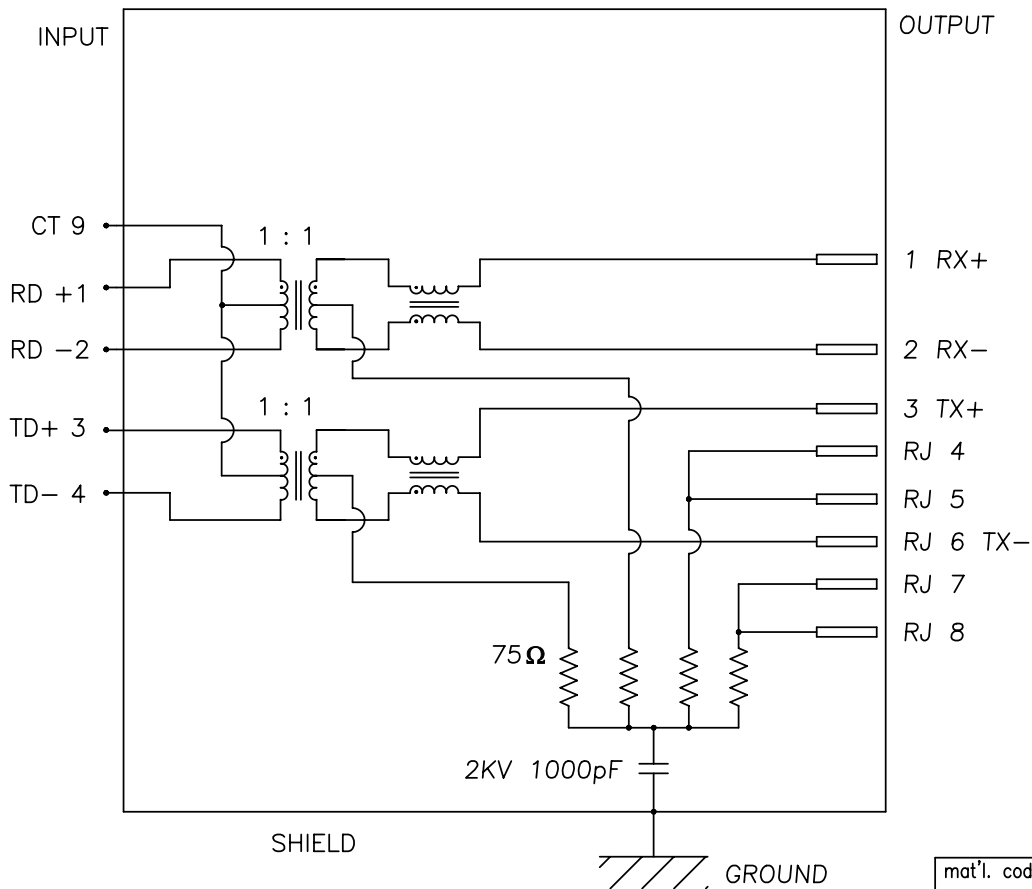
1 : 15u" GOLD



RECOMMENDED PCB LAYOUT COMPONENT SIDE  
ALL DIMENSION TOLERANCE ARE ±0.05 UNLESS OTHERWISE SPECIFIED

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 2x6 W/LED/SPRING	
					.XXX ± 0.10			TRANSFORMER 10/100	
				angles	0° ±2°	MM	product family	JACK SERIES	
				dr	WENDY CHEN 04/02/08			code	
				enr	WENDY CHEN 04/02/08			TWN	
				chr	WENDY CHEN 04/02/08	scale	size	dwg no	
				appd	MINERVA WANG 04/02/08			10085081	
								sheet 2 of	
sheet index	revision sheet								

# ELECTRIC SCHEME



## 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

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	product family	JACK SERIES	code
				dr	WENDY CHEN 04/02/08				
				enr	WENDY CHEN 04/02/08				
				chr	WENDY CHEN 04/02/08	scale	size	dwg no	sheet
				appd	MINERVA WANG 04/02/08				
sheet	revision								
index	sheet								