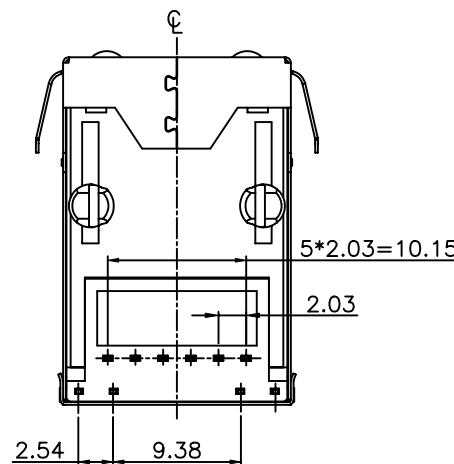
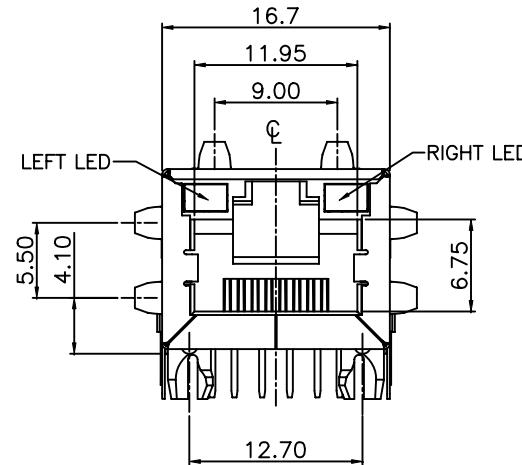
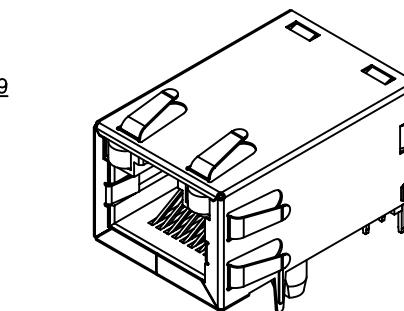
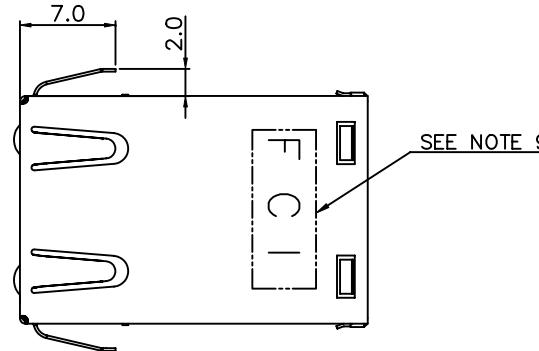
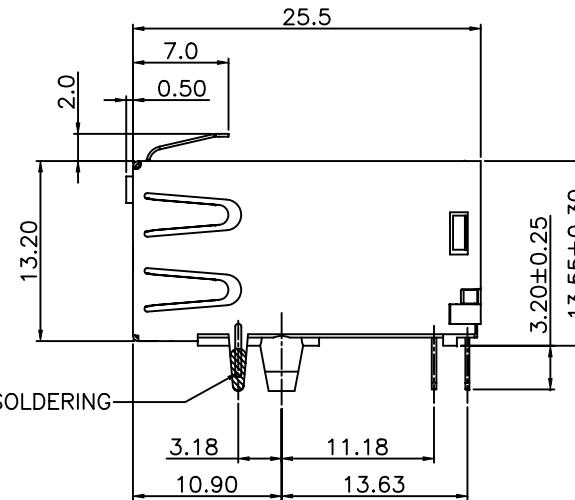


PART NO.

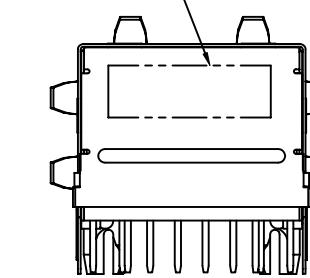
10085077-XXXLF



PRE SOLDERING



PRINT P/N
& DATE CODE
SEE NOTE 10



mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY	FCI	www.fciconnect.com
ltr	ecn no	dr	date	linear	angles			
A	T08-1007	WL	01/07/08	.X ± 0.30	.XX ± 0.20	projection	title	RJ45 1x1 TAB UP W/LED/SPRING TRANSFORMER 10/100(10P)
B	T09-1100	WL	07/14/09	.XXX ± 0.10	0° ±2°	MM		
				dr WENDY CHEN 01/08/08	engr WENDY CHEN 01/08/08	product family JACK SERIES	code	
				chr WENDY CHEN 01/08/08	appd ALEX LIANG 01/08/08	size dwg no	TWN	
						scale		
							A4	10085077
sheet index	revision sheet	B	B	B				
		1	2	3				

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:

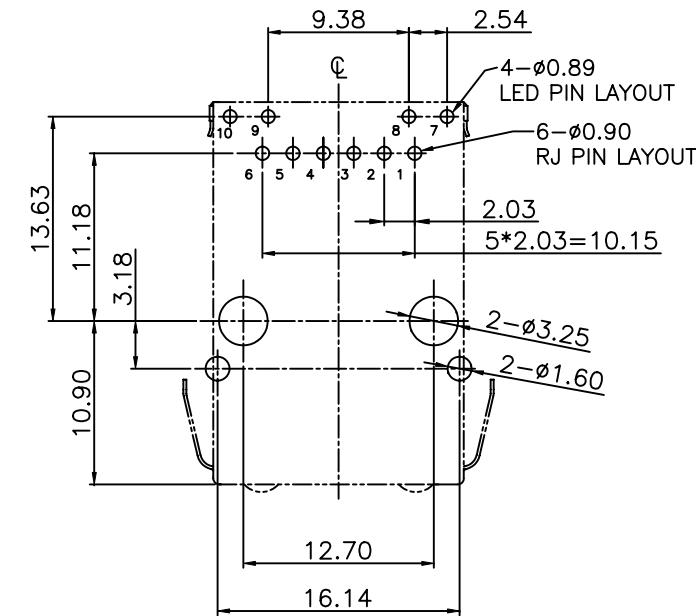
0: RIGHT LED COLOR: YELLOW
LEFT LED COLOR: GREEN/ORANGE

TRANSFORMER SPEED :

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

RJ CONTACT AREA PLATING:

1 : 15u" GOLD

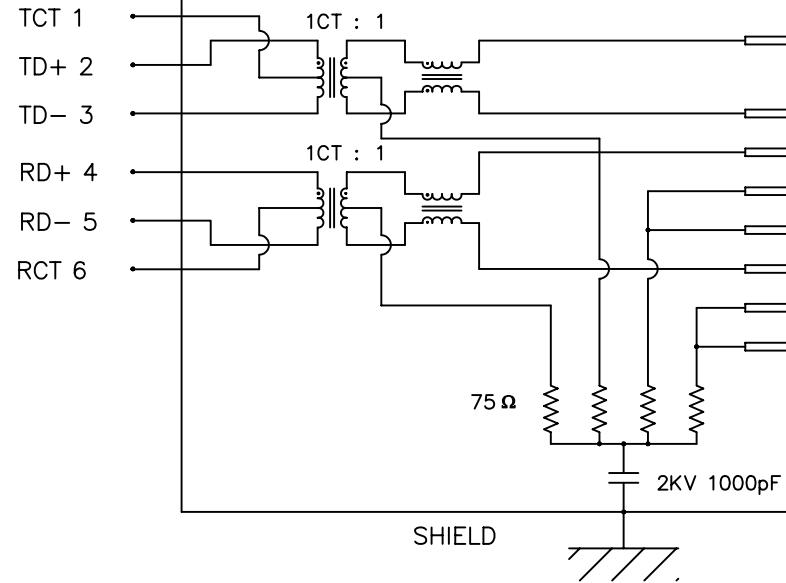


RECOMMENDED PCB LAYOUT (COMPONENT SIDE)
ALL DIMENSION TOLERANCE ARE ± 0.05 mm

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

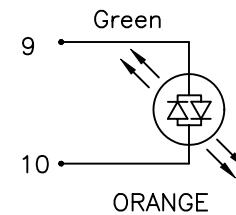
ELECTRIC SCHEME

INPUT

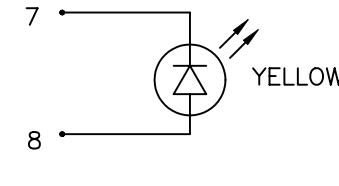


OUTPUT

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	angles		
B				.X ± 0.30		projection	title
				.XX ± 0.20			RJ45 1x1 TAB UP W/LED/SPRING
				.XXX ± 0.10			TRANSFORMER 10/100(10P)
				angles	0° ±2°	dr	WENDY CHEN 01/08/08
						engr	WENDY CHEN 01/08/08
						chr	WENDY CHEN 01/08/08
						appd	ALEX LIANG 01/08/08
sheet index				MM		product family	JACK SERIES
				scale		size	dwg no
				A4		code	TWN
				10085077		sheet	3 of

Mouser Electronics

Authorized Distributor

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FCI:

[10085077-100LF](#)