

NOTES:

1. MATERIALS :

SHELL : STAINLESS STEEL, T=0.20mm
HOUSING: HIGH THERMOPLASTIC, UL 94V-0
RJ CONTACT : COPPER ALLOY, T=0.25mm
USB CONTACT: COPPER ALLOY, T=0.25mm
MODULE: PHENOLIC UL94V-0
INPUT PIN: COPPER ALLOY

2. FINISH :

RJ CONTACT : SELECTED GOLD PLATING ON CONTACT AREA
INPUT PIN: TIN COATED COPPER ALLOY
USB CONTACT: GOLD FLASH PLATING ON CONTACT AREA
SHELL : PRE-SOLDERING ON SHELL GROUNDING LEG

3. MECHANICAL CHARACTERISTICS :

RJ45: INSERTION FORCE : 22N MAX.
REMOVAL FORCE(WITHOUT PLUG LOCK) : 22N MAX.
PLUG LOCKING RETENTION FORCE : 50N MIN./60sec
DURABILITY : 1000 TIMES
USB: INSERTION FORCE: 35N MAX.
REMOVAL FORCE: 10N MIN. 35N MAX.

4. OPERATING TEMPERATURE : 0°C ~ 70°C

5. PRODUCT PERFORMANCE PER SPEC. : GS-12-511.

6. PACKING SPEC. : GS-14-1237.

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:

10083988-X X X LF

LED COLOR CODE:

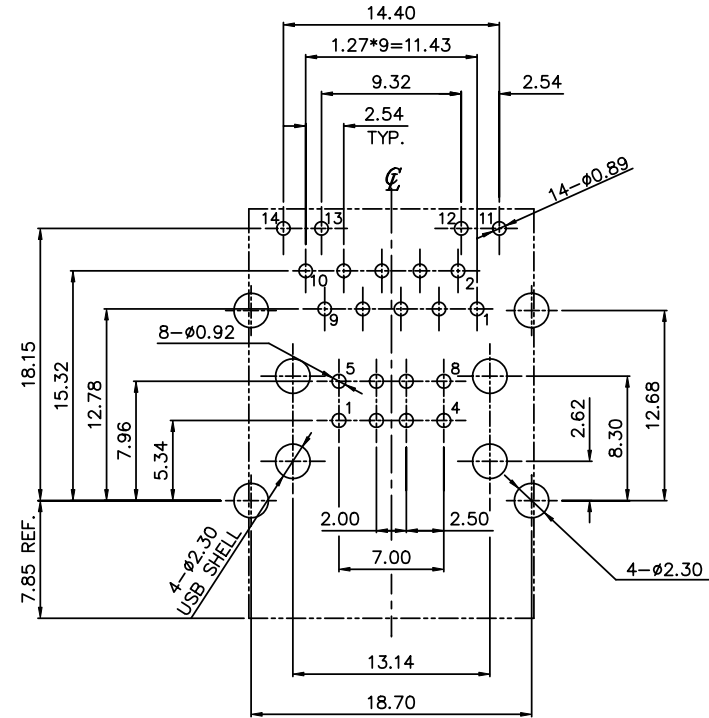
O: RIGHT LED COLOR: YELLOW
LEFT LED COLOR: GREEN/ORANGE

TRANSFORMER SPEED :

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

RJ CONTACT AREA PLATING:

1 : 15u" GOLD



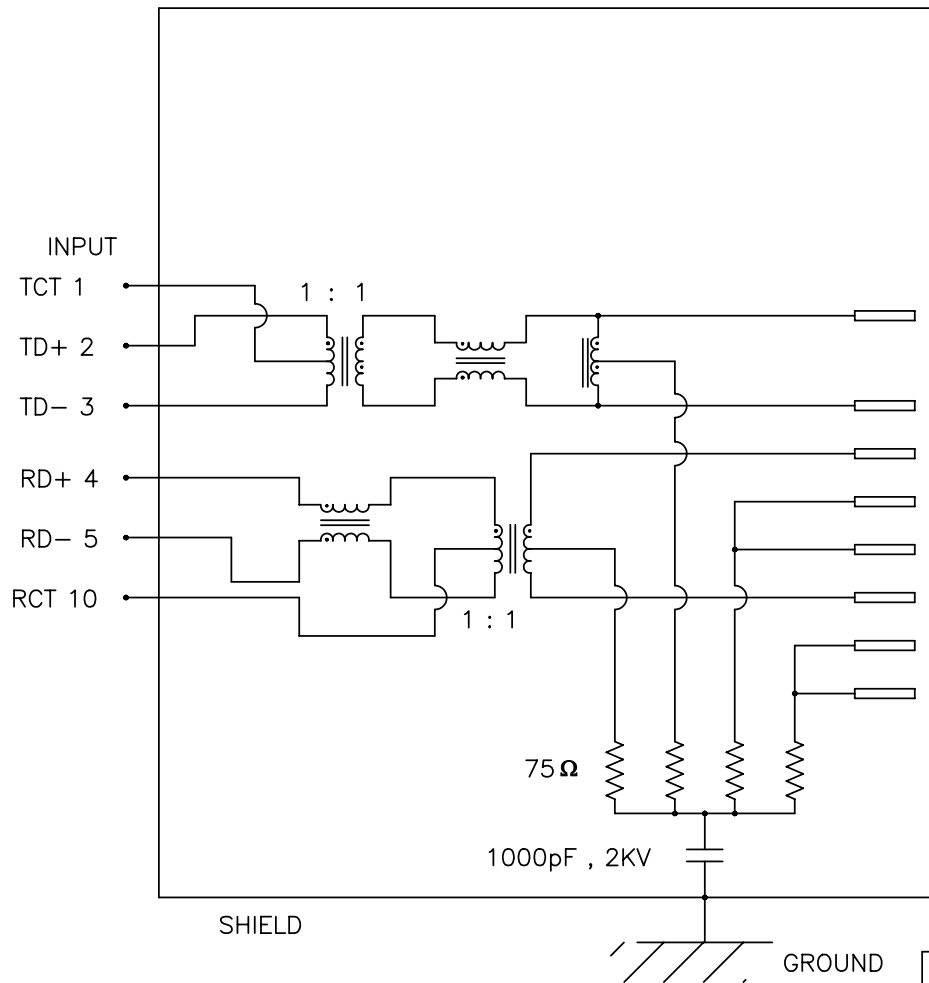
RECOMMENDED PCB LAYOUT

COMPONENT SIDE PCB THICKNESS : 1.60mm
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 + USB A TYPE W/LED TRANSFORMER 10/100	
					.XXX ±0.10				
				angles	0° ±2°	MM	product family JACK SERIES	code	
				dr	WENDY CHEN 11/16/07			TWN	
				enr	WENDY CHEN 11/16/07			sheet 2 of	
				chr	WENDY CHEN 11/16/07	scale	A4	10083988	
				appd	ALEX LIANG 11/16/07				
sheet index	revision	sheet							



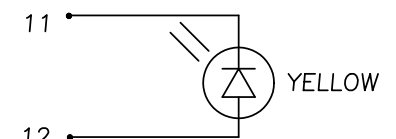
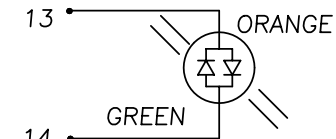
ELECTRIC SCHEME



RJ45

OUTPUT

- 1 TX+
- 2 TX-
- 3 RX+
- 4
- 5
- 6 RX-
- 7
- 8



Transmitter & Receiver Filter:

1. Insertion Loss (dB MAX)
1~100MHz -1.0
2. Return Loss at 100Ω(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
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 + USB A TYPE W/LED TRANSFORMER 10/100	product family JACK SERIES code TWN	
				dr	WENDY CHEN 11/16/07				
				enr	WENDY CHEN 11/16/07				
				chr	WENDY CHEN 11/16/07	scale	A4	size dwg no 10083988 sheet 3 of	
				appd	ALEX LIANG 11/16/07				
sheet index	revision sheet								

ACAD

PDM: Rev:A

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STATUS: Released 2007 Dec 20, 2007

cage code 22526

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