

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-12-513.
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:

10084278-X X X LF

LED COLOR CODE:

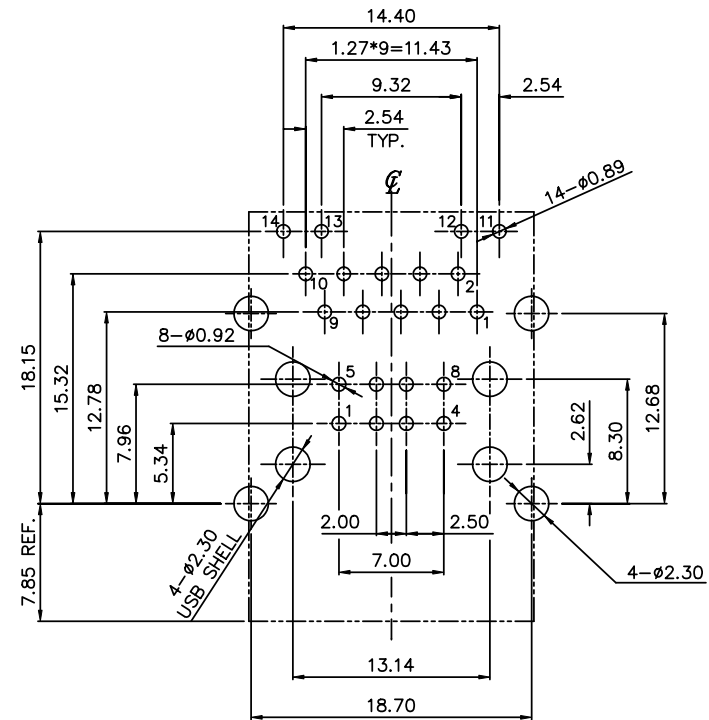
0: RIGHT LED COLOR: YELLOW
LEFT LED COLOR: GREEN/ORANGE

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 PCB THICKNESS : 1.60mm
ALL DIMENSION TOLERANCE ARE ±0.05 UNLESS OTHERWISE SPECIFIED

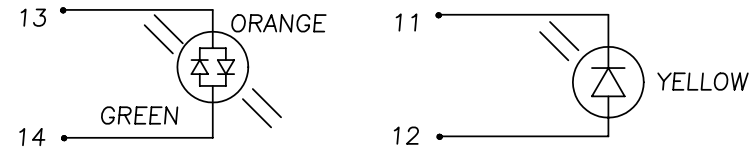
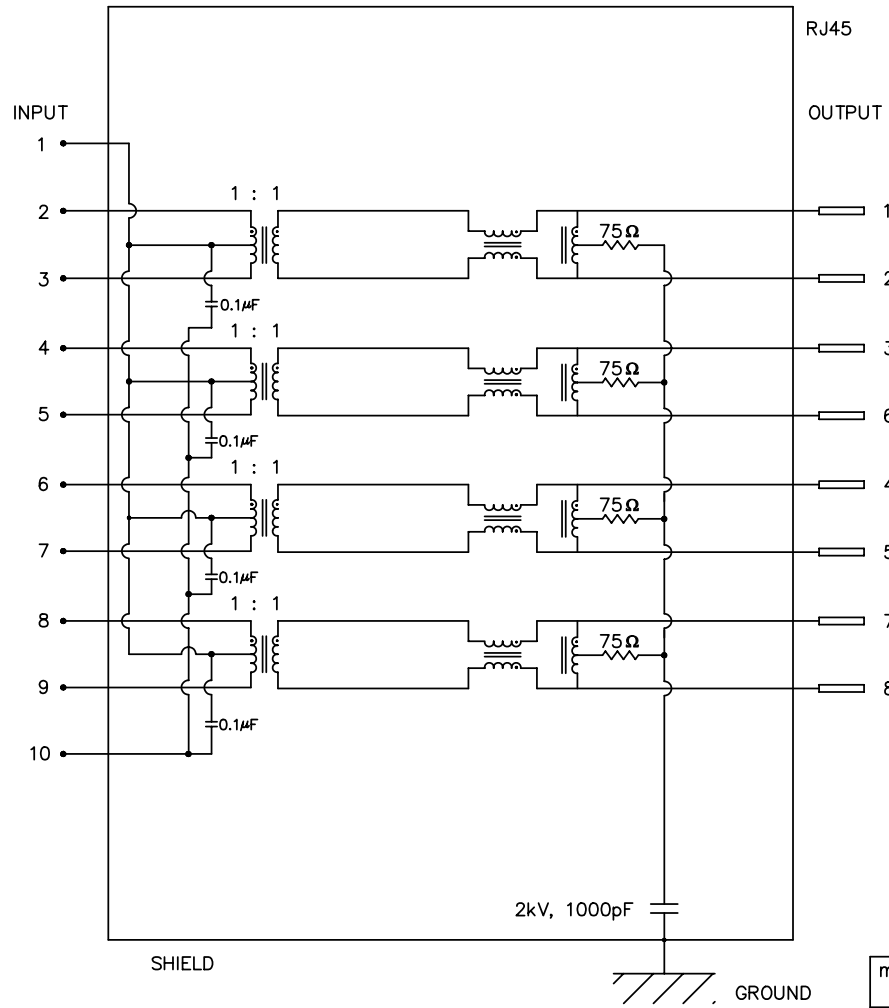
mat'l. code				tolerances unless otherwise specified			CUSTOMER COPY		 www.fciconnect.com		
ltr	ecn no	dr	date	linear	.X ±0.30			projection 	title RJ45 + USB A TYPE W/LED TRANSFORMER 10/100/1000		
A					.XX ±0.20						
					.XXX ±0.10						
				angles	0° ±2°				product family JACK SERIES size dwg no A4 10084278		
				dr	WENDY CHEN	11/16/07					
				enr	WENDY CHEN	11/16/07					
				chr	WENDY CHEN	11/16/07					
				appd	ALEX LIANG	11/16/07					
sheet index	revision 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	
A					.XX ± 0.20				
					.XXX ± 0.10				
				angles	0° ± 2°	MM		product family JACK SERIES	
				dr	WENDY CHEN 11/16/07				
				enr	WENDY CHEN 11/16/07				
				chr	WENDY CHEN 11/16/07	scale	A4	size dwg no	
				appd	ALEX LIANG 11/16/07				
sheet index	revision sheet							code	
								10084278	
								TWN	
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