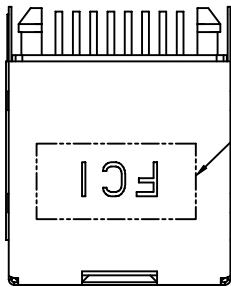


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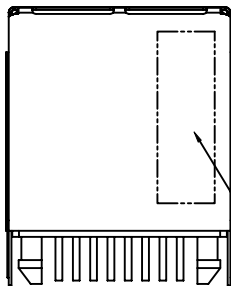
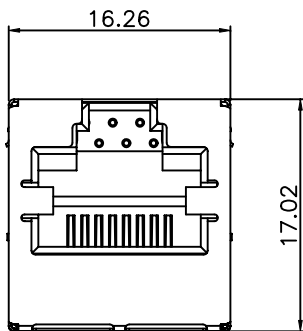
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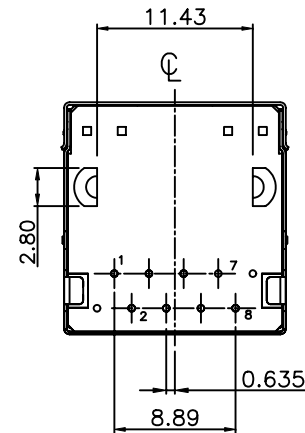
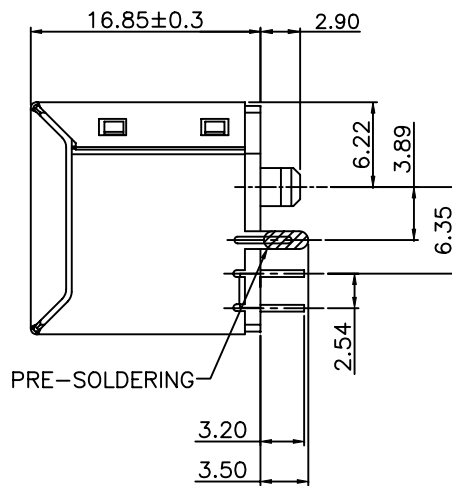
PART NO.
10085078-XXXLF


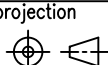


SEE NOTE 9



PRINT P/N & DATE CODE
SEE NOTE 10



mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY	 www.fciconnect.com
ltr	ecn no	dr	date	linear	.X ± 0.30		
A	T08-1054	WL	03/26/08		.XX ± 0.20		
B	T09-1129	WL	09/29/09		.XXX ± 0.10		
				angles	0° ± 2°	 MM scale	title RJ45 1x1 STRAIGHT TYPE TRANSFORMER 10/100(8P)
				dr	WENDY CHEN 03/26/08		
				enr	WENDY CHEN 03/26/08		
				chr	WENDY CHEN 03/26/08		
				appd	ALEX LIANG 03/26/08	A4	product family JACK SERIES size dwg no 10085078 code TWN sheet 1 of 3
sheet index	revision sheet	B 1	B 2	B 3			

ACAD

PDM: Rev:B

STATUS Released 2009 Oct 06, 2009

cage code 2526

NOTES:

1. MATERIALS :
SHELL : STAINLESS STEEL, T=0.20mm
HOUSING: HIGH THERMOPLASTIC, UL 94V-0
RJ CONTACT : COPPER ALLOY, T=0.30mm
MODULE: PHENOLIC UL94V-0.
INPUT PIN: COPPER WIRE
2. PLATING
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 WIRE
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-12-535.
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:
10085078-X X X LF

LED COLOR CODE:

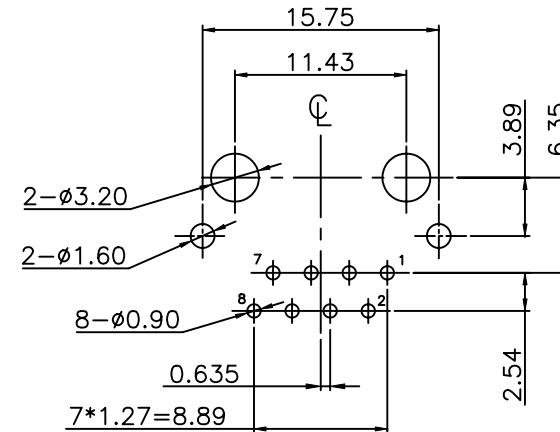
1: WITHOUT LED

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 ±0.05mm

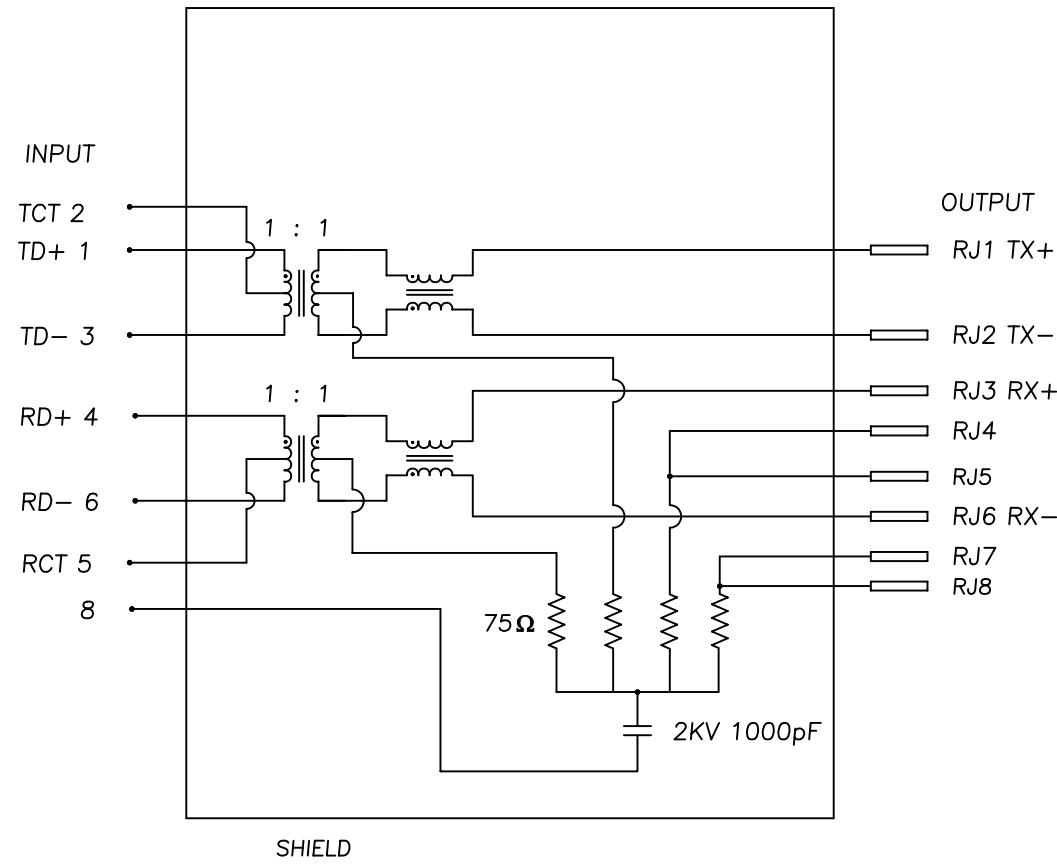
mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY		FCI	
ltr	ecn no	dr	date	linear	.X ± 0.30	projection	MM	title	www.fciconnect.com
B					.XX ± 0.20				
					.XXX ± 0.10				
				angles	0° ± 2°	scale	A4	product family JACK SERIES	code TWN
				dr	WENDY CHEN 03/26/08				
				enr	WENDY CHEN 03/26/08				
				chr	WENDY CHEN 03/26/08	size	dwg no	10085078	sheet 2 of
				appd	ALEX LIANG 03/26/08				
sheet index	revision sheet								

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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
7. LED: Forward Voltage (V)@ 20mA
Typical :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	
B					.XX ± 0.20				
					.XXX ± 0.10				
				angles	0° ± 2°	MM		product family JACK SERIES	
				dr	WENDY CHEN 03/26/08				
				enr	WENDY CHEN 03/26/08				
				chr	WENDY CHEN 03/26/08	scale	A4	size dwg no 10085078	
				appd	ALEX LIANG 03/26/08				
sheet index	revision sheet							code	
								20526	

Mouser Electronics

Authorized Distributor

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FCI:

[10085078-101LF](#)