

NOTES:

1. MATERIALS :
SHELL : STAINLESS STEEL, T=0.20mm
HOUSING: HIGH THERMOPLASTIC, UL 94V-0
RJ CONTACT : COPPER ALLOY, T=0.25mm, UL 94V-0
MODULE: HIGH THERMOPLASTIC
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 : 1000TIMES
4. OPERATING TEMPERATURE : 0°C ~ 70°C
5. PRODUCT PERFORMANCE PER SPEC. : GS-12-531.
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:
10085074-X X X LF

LED COLOR CODE:

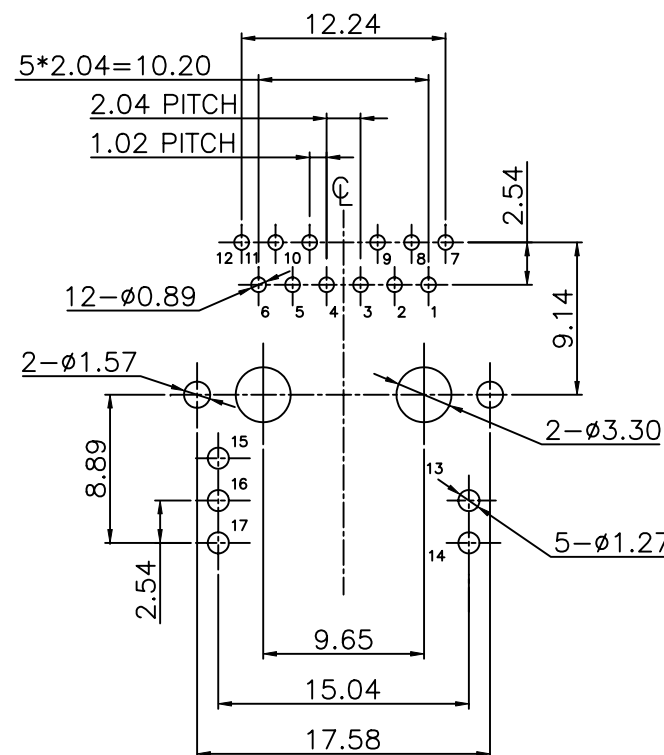
0: RIGHT LED COLOR: YELLOW
LEFT LED COLOR: ORANGE/GREEN

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)
ALL DIMENSION TOLERANCE ARE ±0.05mm

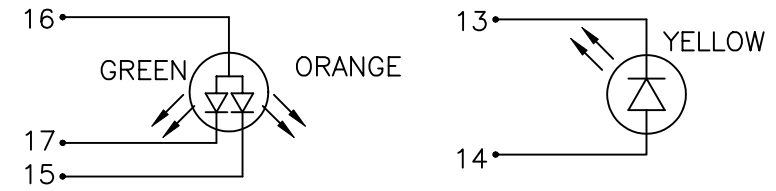
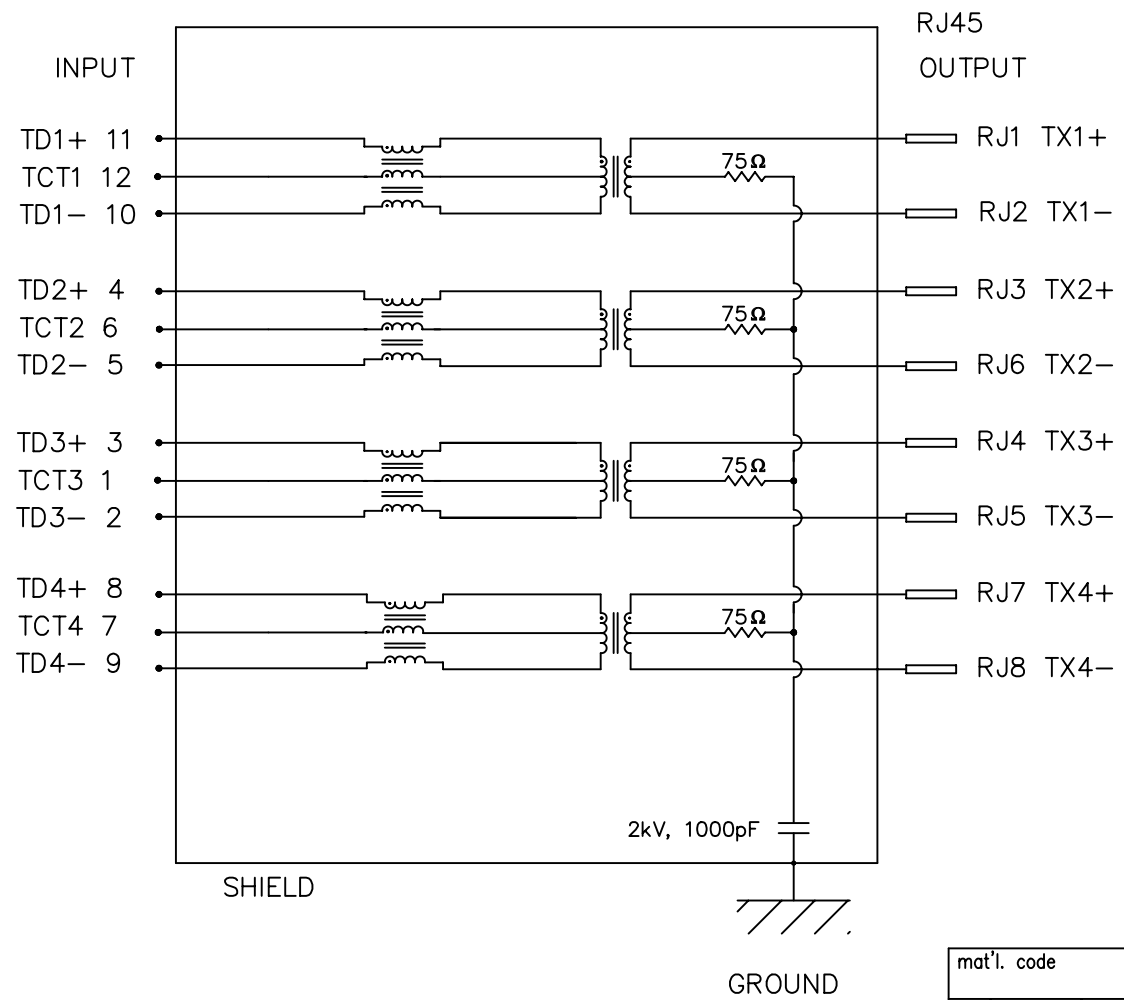
| mat'l. code | | | | tolerances unless otherwise specified | | CUSTOMER COPY | | FCI | |
|-------------|----------------|----|------|---------------------------------------|---------------------|---------------|----------------|---------------------------------------|--|
| ltr | ecn no | dr | date | linear | .X ± 0.30 | projection | title | www.fciconnect.com | |
| B | | | | | .XX ± 0.20 | | | RJ45 1x1 TAB UP, LOW PROFILE | |
| | | | | | .XXX ± 0.10 | | | W/LED/SPRING, TRANSFORMER 10/100/1000 | |
| | | | | angles | 0° ± 2° | MM | product family | JACK SERIES | |
| | | | | dr | WENDY CHEN 12/26/07 | | | code | |
| | | | | enrg | WENDY CHEN 12/26/07 | | | size | |
| | | | | chr | WENDY CHEN 12/26/07 | scale | A4 | 10085074 | |
| | | | | appd | ALEX LIANG 12/26/07 | | | sheet 2 of | |
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ELECTRIC SCHEME



- Transmitter & Receiver Filter:
1. Insertion Loss (dB MAX)
1~125MHz -1.2
 2. Return Loss at 100W(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
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 | MM | www.fciconnect.com | |
| B | | | | | .XX ± 0.20 | | | title | |
| | | | | | .XXX ± 0.10 | | | RJ45 1x1 TAB UP, LOW PROFILE | |
| | | | | angles | 0° ±2° | scale | A4 | W/LED/SPRING, TRANSFORMER 10/100/1000 | |
| | | | | dr | WENDY CHEN 12/26/07 | | | product family | JACK SERIES |
| | | | | enrg | WENDY CHEN 12/26/07 | | | size | dwg no |
| | | | | chr | WENDY CHEN 12/26/07 | scale | A4 | 10085074 | |
| | | | | appd | ALEX LIANG 12/26/07 | | | code | TWN |
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