

Housing Material: Polyester, Black UL94V-O  
 Contacts: Phosphor Bronze 30µin Au plating over Ni  
 Leads: Matte Sn over Ni plating  
 Shield: Cu Alloy with Ni plating 40µin min  
 Durability: 1000 mating cycles  
 Dimensions: Inch [mm]  
 Tolerances: ±0.008 inch if not specified



## PART NO. : HFJ11-2450E-L12RL

FASTJACK™ WITH 10/100BASE-TX MAGNETICS

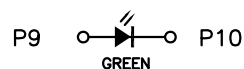
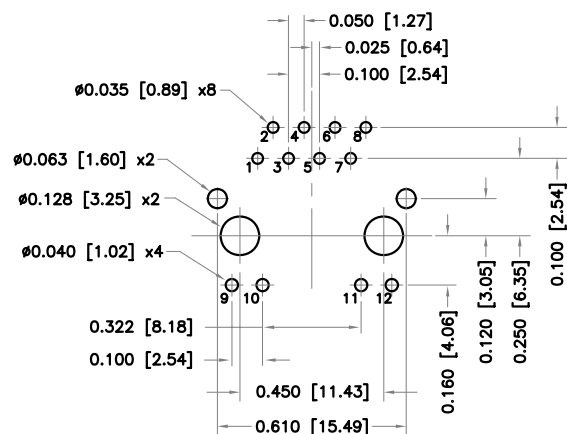
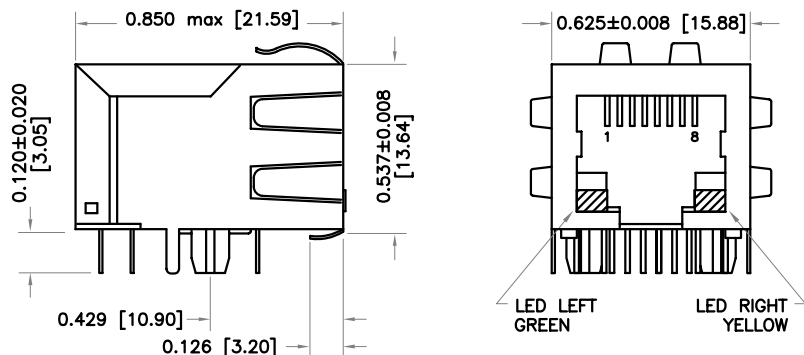
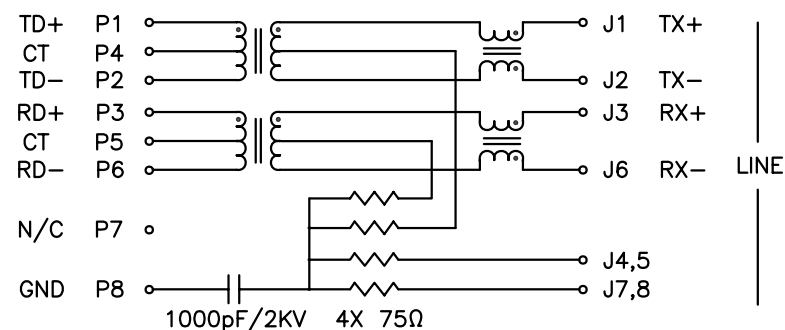
RoHS COMPLIANT

COMPATIBLE TO LEAD-FREE WAVE SOLDERING PROCESS  
 FOR THROUGH HOLE COMPONENTS

OPERATING TEMPERATURE 0/70°C

## ELECTRICAL SPECIFICATIONS @ 25° C

|                              |             |
|------------------------------|-------------|
| URNS RATIO                   | 1CT:1 ±3%   |
| OCL (100KHz,0.1Vrms,8mA)     | 350µH min   |
| DCR P1-P2,P3-P6              | 0.9Ω max    |
| INSERTION LOSS<br>0.1-100MHz | -1.1dB max  |
| RETURN LOSS<br>0.5-30MHz     | -18dB min   |
| 40MHz                        | -15.5dB min |
| 50MHz                        | -13.6dB min |
| 60-80MHz                     | -12dB min   |
| CROSSTALK 0.1-100MHz         | -40dB typ   |
| CMR 0.1-30MHz                | -50dB typ   |
| 30-60MHz                     | -40dB typ   |
| 60-100MHz                    | -35dB typ   |
| ISOLATION                    | 1,500Vrms   |



LED FORWARD VOLTAGE/  
 CURRENT: 2.1V/10mA typ



RECOMMENDED P.C. BOARD PATTERN (COMP. SIDE)

**HALO/PBL**

CALIFORNIA, USA  
 KOWLOON, HONG KONG  
 SINGAPORE

TITLE FastJack™ SINGLE

FOR FAST ETHERNET

PART NO. HFJ11-2450E-L12RL

SCALE NONE

PAGE 1 OF 1

SIGNATURES

DRAWN PETER LU

CHECKED LEI KEONG

APPROVED PETER LU

FILE FJ112450E-L12RL.DWG

DATE

11/9/04

8/15/05

8/15/05

REV.

A

B

C

DESC.

FIRST ISSUE

UPDATE

PROD. RELEASE

DATE

11/9/04

5/20/05

8/15/05