

Leads: Matte Sn over Ni  
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-S050ERL**

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

Turns Ratio                      1CT:1 ±3%

OCL (100KHz,0.1Vrms,8mA)

P1-P2,P3-P6 350μH min

DCR P1-P2,P3-P6

0.9  $\Omega$  max

INSERTION LOSS

-1.1dB max

## RETURN LOSS

0.5–30MHz -18dB min

40MHz -15.5dB min

50MHz  $-13.6\text{dB}$  m

60–80MHz -12dB min

CROSSTALK 0.1-100MHz

−40dB typ

CMR 0.1–30MHz

–50dB typ

30-60MHz

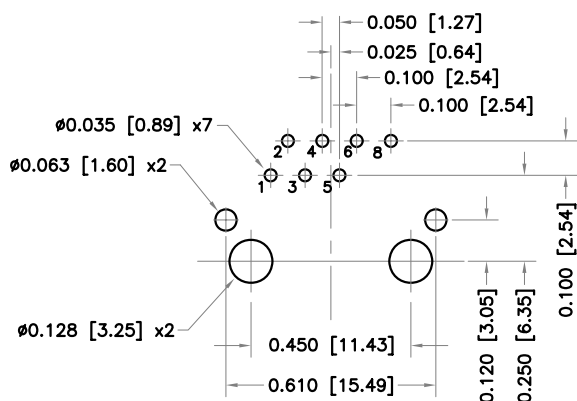
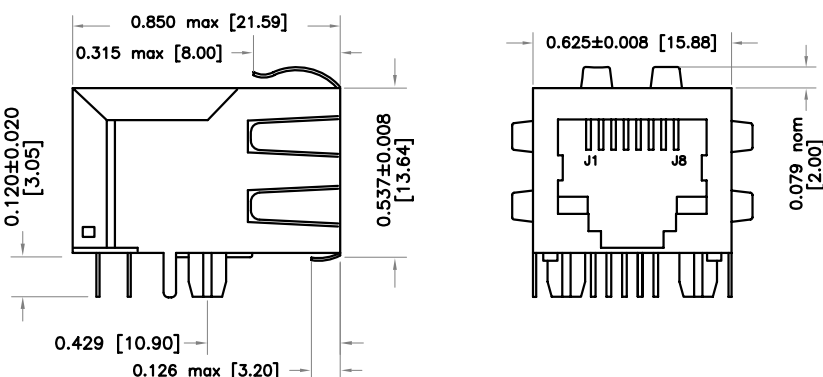
–40dB typ

60-100MHz

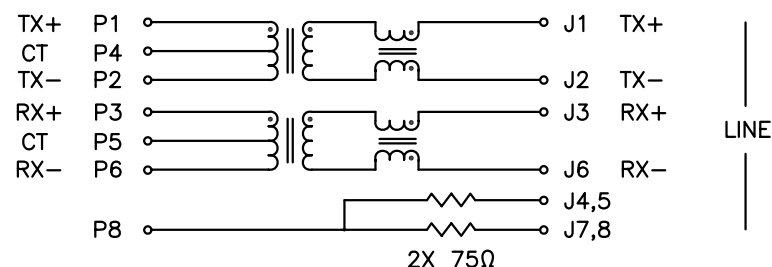
–35dB typ

ISOLATION

1.500Vrms



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



# HALO/PBL

CALIFORNIA, USA  
KOWLOON, HONG KONG  
SINGAPORE

|          |  |                  |      |            |  |              |          |                 |               |          |
|----------|--|------------------|------|------------|--|--------------|----------|-----------------|---------------|----------|
| TITLE    |  | FastJack™ SINGLE |      | SIGNATURES |  | DATE         | REV.     | DESC.           | DATE          |          |
| FOR      |  | FAST ETHERNET    |      | DRAWN      |  | LI ZHI ZHONG | 10/10/05 | A               | FIRST ISSUE   | 10/10/05 |
| PART NO. |  | HFJ11-S050ERL    |      | CHECKED    |  | LEI KEONG    | 12/24/10 | B               | PROD. RELEASE | 12/24/10 |
|          |  |                  |      | APPROVED   |  | PETER LU     | 12/24/10 |                 |               |          |
| SCALE    |  | NONE             | PAGE | 1 OF 1     |  | FILE         |          | FJ11S050ERL.DWG |               |          |