

## PART NO. : HFJ14-1G01ERL



1X4 FASTJACK™ WITH 1000BASE-T MAGNETICS  
DESIGNED FOR IEEE802.3ab APPLICATIONS

RoHS COMPLIANT

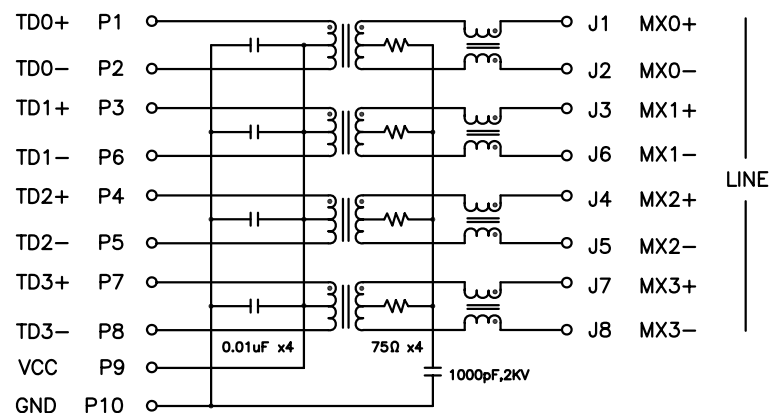
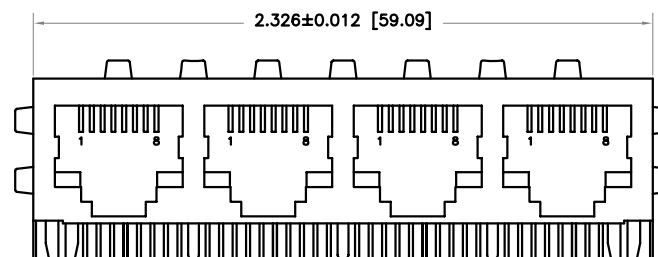
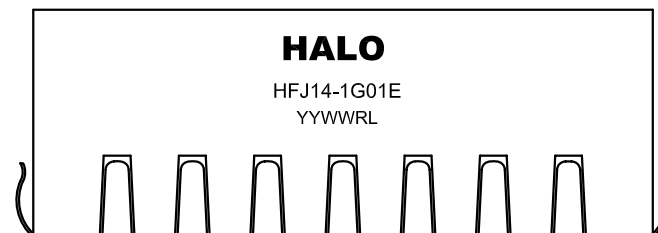
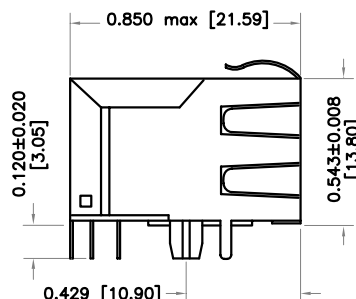
COMPATIBLE TO LEAD-FREE WAVE SOLDERING  
PROCESS FOR THROUGH HOLE COMPONENTS

OPERATING TEMPERATURE 0/70°C

## ELECTRICAL SPECIFICATIONS @25° C

URNS RATIO	1:1 ±3%
ACL (100KHz,0.1V,8mA)	350µH min
INSERTION LOSS	
1–100MHz	–1.1dB max
RETURN LOSS	
1–40MHz	–18dB min
60MHz	–14dB min
80MHz	–12dB min
100MHz	–10dB min
CROSSTALK 1–100MHz	–35dB typ
CMR 1–30MHz	–50dB typ
30–60MHz	–40dB typ
60–100MHz	–35dB typ
ISOLATION	1,500Vrms

Housing Material: Polyester, Black UL94V-0  
Contacts: Phosphor Bronze 30µin Au  
plating over Ni  
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



# HALO/PBL

CALIFORNIA, USA  
KOWLOON, HONG KONG  
SINGAPORE

TITLE FastJack™ 1x4

FOR GIGABIT ETHERNET

PART NO. HFJ14-1G01ERL

SCALE NONE

PAGE 1 OF 2

SIGNATURES

DRAWN PETER LU

CHECKED LEI KEONG

APPROVED PETER LU

FILE FJ141G01ERL.DWG

DATE

7/4/06

8/8/06

8/8/06

REV.

A

B

DATE

FIRST ISSUE

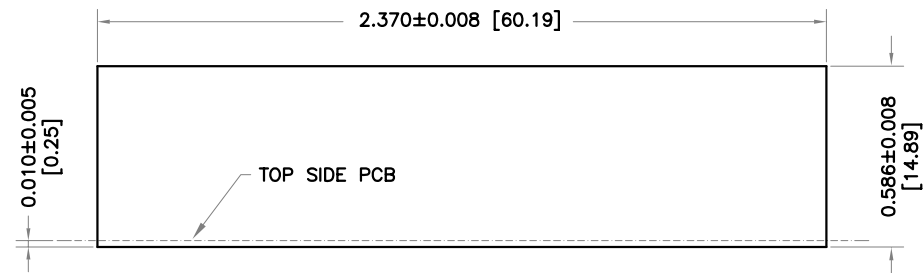
PROD. RELEASE

DATE

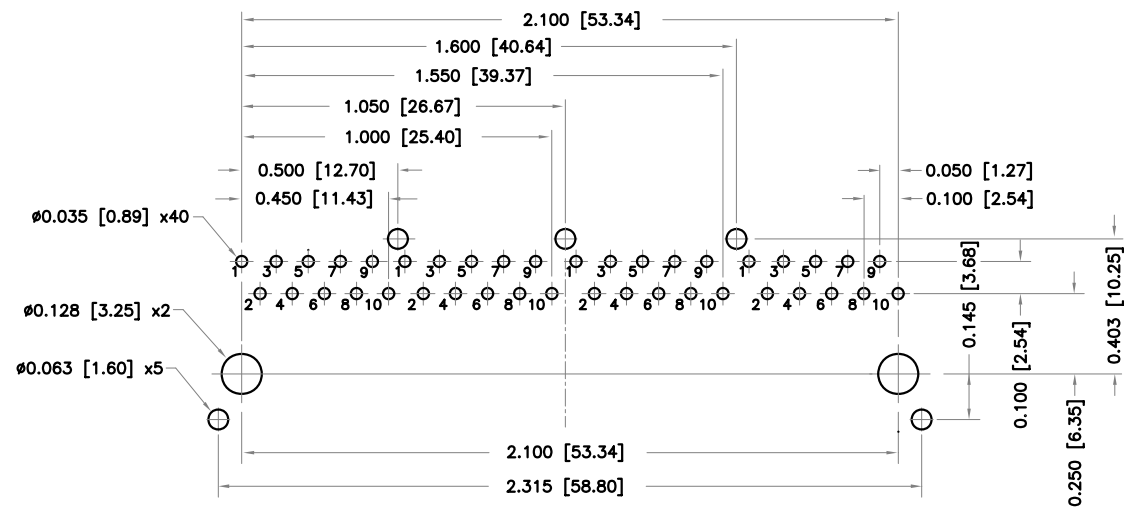
7/4/06

8/8/06

cRLus



RECOMMENDED PANEL CUTOUT  
DIMENSIONS: Inch [mm]



RECOMMENDED P.C. BOARD PATTERN (COMP. SIDE)  
TOLERANCES: ±0.002 [0.05] UNLESS SPECIFIED

**HALO/PBL**

CALIFORNIA, USA  
KOWLOON, HONG KONG  
SINGAPORE

TITLE	FastJack™ 1x4	SIGNATURES	DATE	REV.	DATE	DATE
FOR	GIGABIT ETHERNET	DRAWN	PETER LU	7/4/06	A	FIRST ISSUE
PART NO.	HFJ14-1G01ERL	CHECKED	LEI KEONG	8/8/06	B	PROD. RELEASE
SCALE	NONE	APPROVED	PETER LU	8/8/06		
PAGE	2 OF 2	FILE	FJ141G01ERL.DWG			

# Mouser Electronics

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