

## PART NO. : HFJ12-1G01ER-L11RL



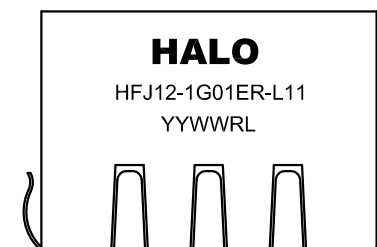
1X2 FASTJACK™ WITH 1000BASE-T MAGNETICS  
COMPLIANT TO IEEE802.3ab STANDARDS

RoHS COMPLIANT

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

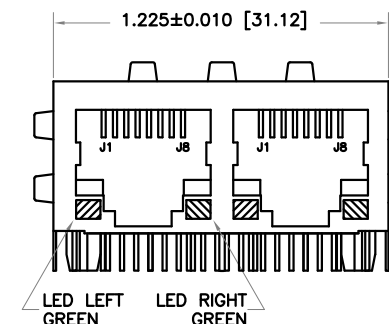
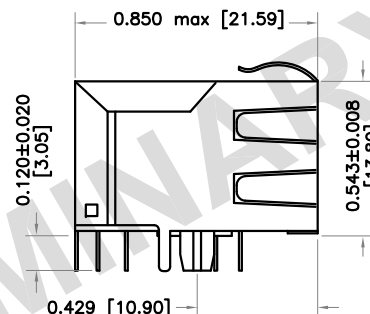
OPERATING TEMPERATURE 0/70°C

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

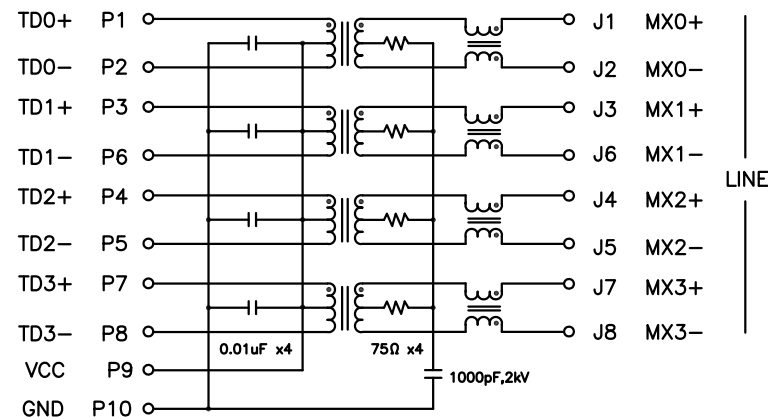


## ELECTRICAL SPECIFICATIONS @25°C

Turns Ratio	1:1±3%
OCL (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 0.1-30MHz	-50dB typ
30-60MHz	-40dB typ
60-100MHz	-35dB typ
Isolation	1,500Vrms



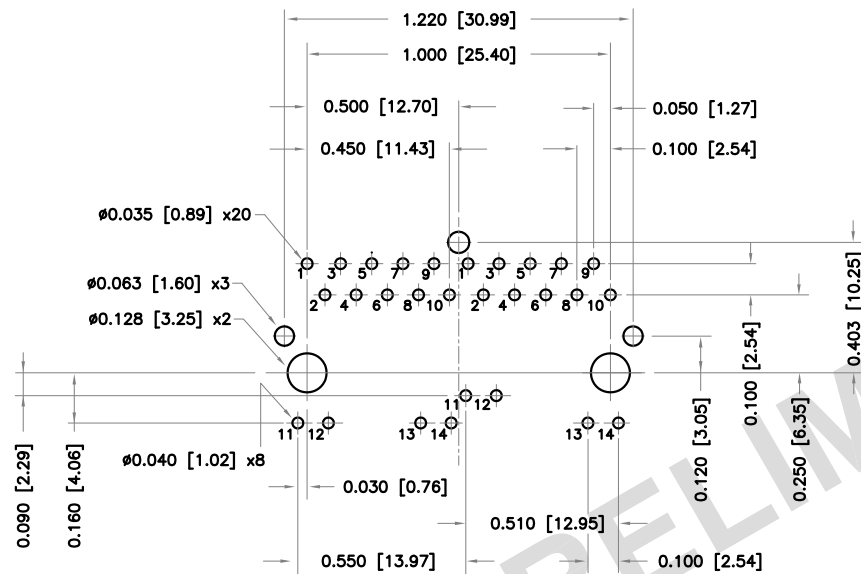
LED FORWARD VOLTAGE/  
CURRENT: 2.1V/10mA typ



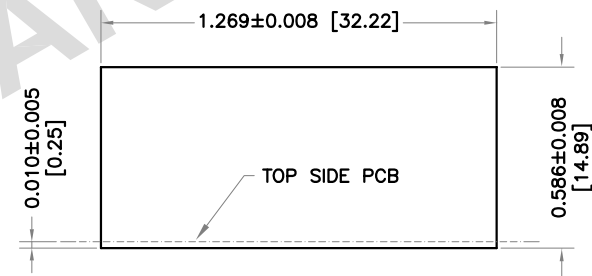
# HALO/PBL

CALIFORNIA, USA  
KOWLOON, HONG KONG  
SINGAPORE

TITLE	FastJack™ 1x2	SIGNATURES	DATE	REV.	DESC.	DATE
FOR	GIGABIT ETHERNET	DRAWN	LI ZHI ZHONG	5/7/13	A	FIRST ISSUE
PART NO.	HFJ12-1G01ER-L11RL	CHECKED	LEI KEONG	5/7/13		
SCALE	NONE	APPROVED	PETER LU	5/7/13		
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RECOMMENDED P.C. BOARD PATTERN (COMP. SIDE)  
TOLERANCES  $\pm 0.002$  [0.05] UNLESS SPECIFIED



RECOMMENDED PANEL CUTOUT

**HALO/PBL**

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# Mouser Electronics

Authorized Distributor

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