

**PART NO. : HFJ12-E1G16ER-L15RL**



1X2 FASTJACK™ WITH 1000BASE-T MAGNETICS

COMPLIANT TO IEEE802.3ab STANDARDS

RoHS COMPLIANT

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

UL/EN60950 RECOGNIZED

EXTENDED OPERATING TEMPERATURE -40/+85°C

**ELECTRICAL SPECIFICATIONS @25° C**

URNS 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	-38dB typ
30-60MHz	-35dB typ
60-100MHz	-30dB typ
ISOLATION	1,500Vrms

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

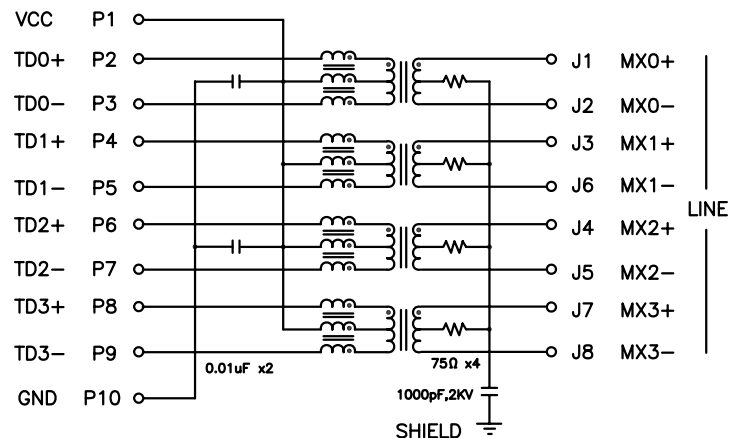
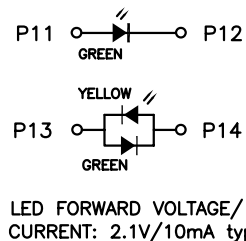
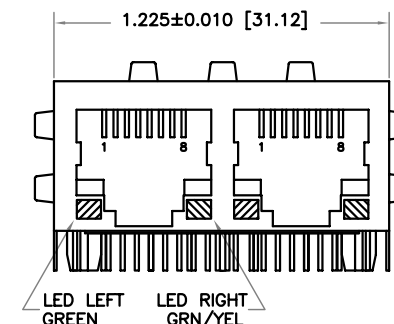
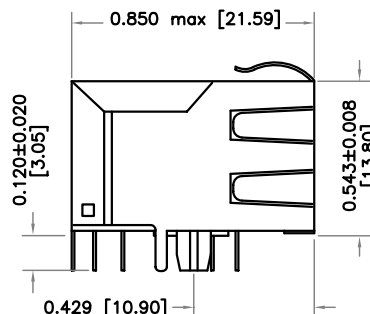
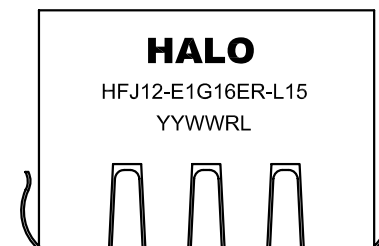
Leads: Matte Sn over Ni plating

Shield: Cu Alloy with Ni plating 40µin min

Durability: 1000 mating cycles

Dimensions: Inch [mm]

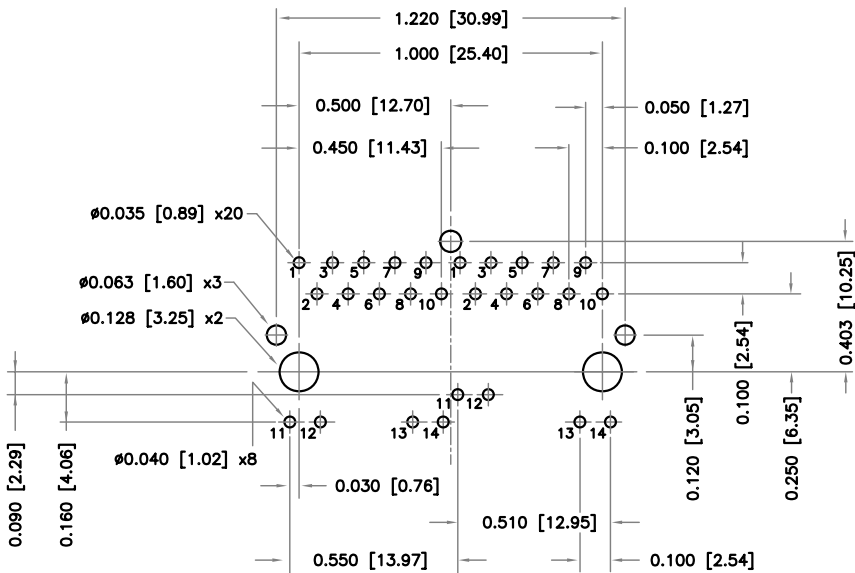
Tolerances: ±0.008 inch if not specified



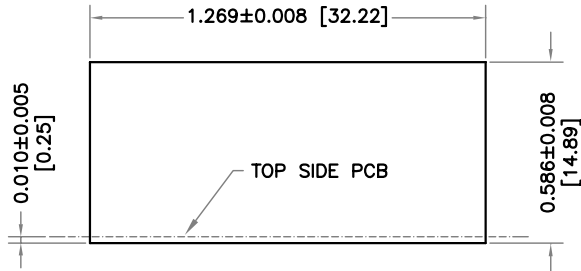
**HALO/PBL**

TITLE	SIGNATURES	DATE	REV.	DESC.	DATE
FastJack™ 1x2	DRAWN PETER LU	6/12/07	A	FIRST ISSUE	6/12/07
FOR GIGABIT ETHERNET	CHECKED LEI KEONG	6/12/07			
PART NO. HFJ12-E1G16ER-L15RL	APPROVED PETER LU	6/12/07			
SCALE NONE	FILE HFJ12E1G16ER-L15RL.DWG				
PAGE 1 OF 2					

CALIFORNIA, USA  
KOWLOON, HONG KONG  
SINGAPORE



RECOMMENDED P.C. BOARD PATTERN (COMP. SIDE)  
TOLERANCES  $\pm 0.002$  [0.05] UNLESS SPECIFIED



RECOMMENDED PANEL CUTOUT

<b>HALO/PBL</b> CALIFORNIA, USA KOWLOON, HONG KONG SINGAPORE	TITLE	FastJack™ 1x2	SIGNATURES		DATE	REV.	DESC.	DATE
	FOR	GIGABIT ETHERNET	DRAWN	PETER LU	6/12/07	A	FIRST ISSUE	6/12/07
	PART NO.	HFJ12-E1G16ER-L15RL	CHECKED	LEI KEONG	6/12/07			
	SCALE	NONE	APPROVED	PETER LU	6/12/07			
		PAGE	2 OF 2	FILE	HFJ12E1G16ER-L15RL.DWG			