

PART NO. : HFJ12-1G40ER-L11RL

FASTJACK™ WITH 1000BASE-T MAGNETICS

DESIGNED FOR IEEE802.3ab GIGABIT ETHERNET APPLICATIONS

LEAD-FREE/RoHS COMPLIANT

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

OPTIMIZED FOR VOLTAGE DRIVEN OUTPUTS

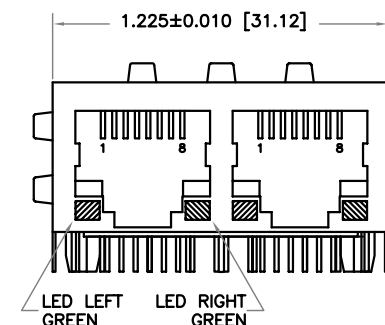
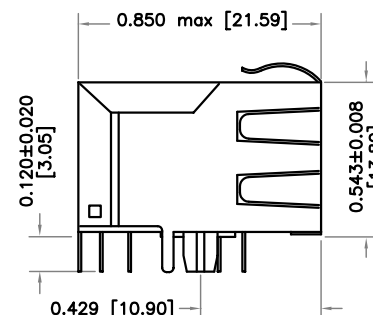
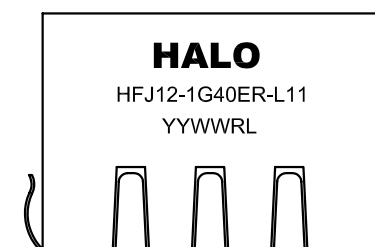
OPERATING TEMPERATURE 0/70°C

ELECTRICAL SPECIFICATIONS @25° C

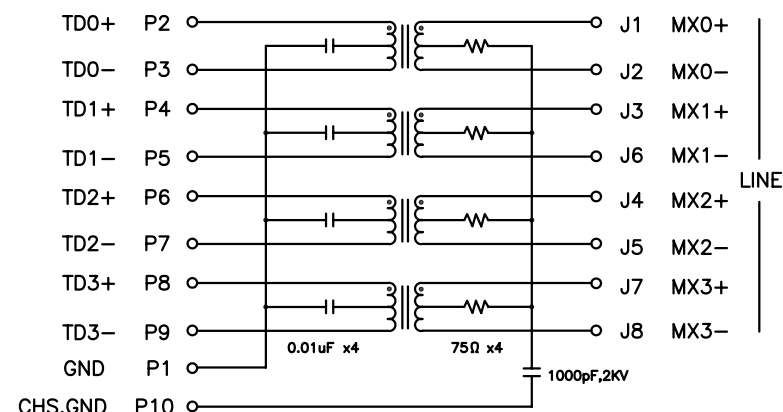
URNS RATIO	1:1 ±3%
OCL (100KHz,0.1V,8mADC)	350μH min
INSERTION LOSS	
1-100MHz	-1.1dB max
RETURN LOSS	
1-40MHz	-18dB min
60MHz	-14dB min
80MHz	-12dB min
100MHz	-10dB min
CROSSTALK 1-100MHz	-35dB typ
ISOLATION	1,500Vrms

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

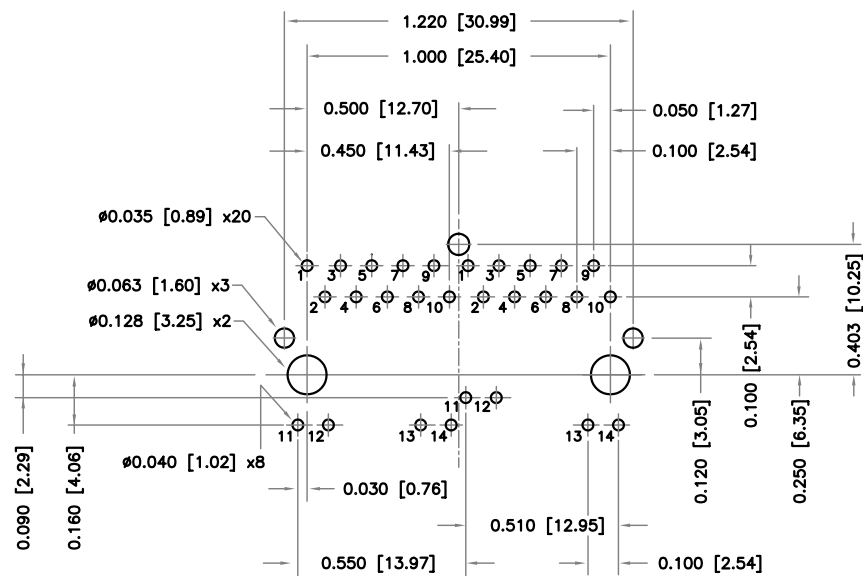


LED FORWARD VOLTAGE/
 CURRENT: 2.1V/10mA typ

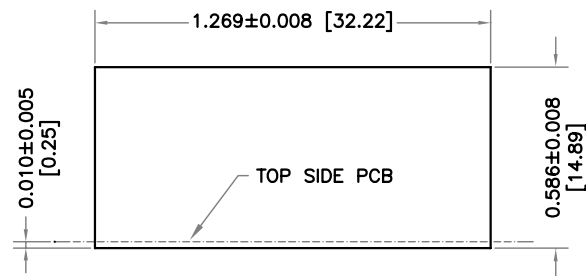
**HALO/PBL**

CALIFORNIA, USA
 KOWLOON, HONG KONG
 SINGAPORE

TITLE	FastJack™ 1x2	SIGNATURES	DATE	REV.	DESC.	DATE
FOR	GIGABIT ETHERNET	DRAWN PETER LU	4/19/06	A		
PART NO.	HFJ12-1G40ER-L11RL	CHECKED				
SCALE	NONE	APPROVED				
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RECOMMENDED P.C. BOARD PATTERN (COMP. SIDE)
TOLERANCES ± 0.002 [0.05] UNLESS SPECIFIED



RECOMMENDED PANEL CUTOUT

HALO/PBL	TITLE FastJack™ 1x2		SIGNATURES		DATE	REV.	DESC.	DATE
	FOR GIGABIT ETHERNET		DRAWN PETER LU		4/19/06	A		
	PART NO. HFJ12-1G40ER-L11RL		CHECKED					
	SCALE NONE		APPROVED					
CALIFORNIA, USA KOWLOON, HONG KONG SINGAPORE	PAGE 2 OF 2		FILE HFJ121G40ER-L11RL.DWG					