

PART NO. : HFJ12-1G06ER-L11RL

1X2 FASTJACK™ WITH 1000BASE-T MAGNETICS

COMPLIANT TO IEEE802.3ab STANDARDS

LEAD-FREE/RoHS COMPLAINT

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 plating

Shield: Cu Alloy with Ni plating 40µin min

Durability: 1000 mating cycles

Dimensions: Inch [mm]

Tolerances: ±0.008 inch if not specified

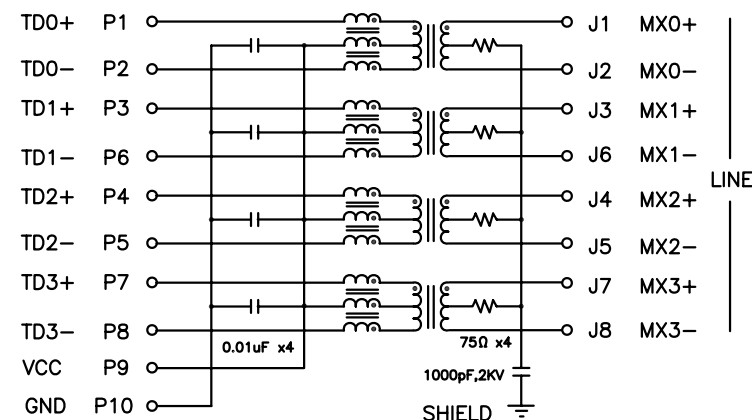
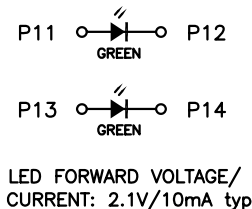
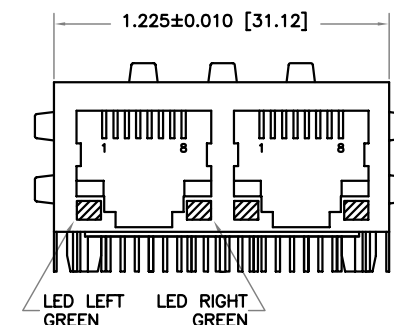
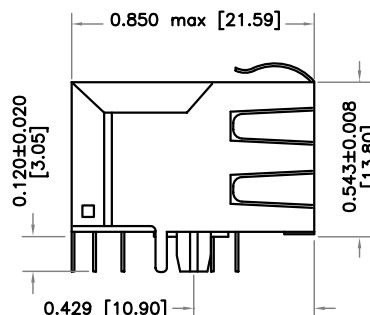
HALO

HFJ12-1G06ER-L11

YYWWRL

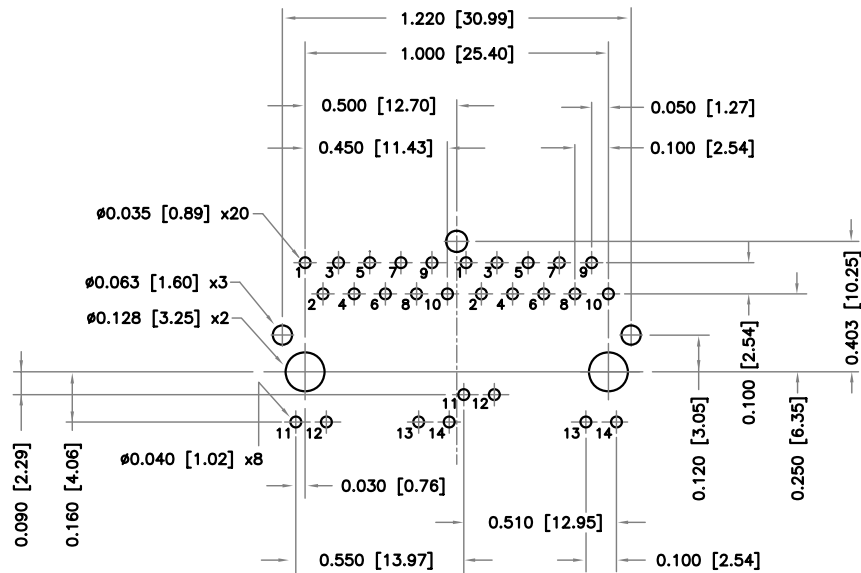
**ELECTRICAL SPECIFICATIONS @25° C**

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

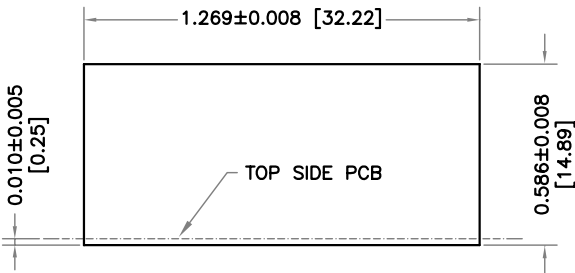
**HALO/PBL**

TITLE	FastJack™ 1x2	SIGNATURES	DATE	REV.	DESC.	DATE
FOR	GIGABIT ETHERNET	DRAWN	PETER LU	7/3/06	A	
PART NO.	HFJ12-1G06ER-L11RL	CHECKED				
SCALE	NONE	APPROVED				
PAGE	1 OF 2	FILE	HFJ121G06ER-L11RL.DWG			

CALIFORNIA, USA
KOWLOON, HONG KONG
SINGAPORE



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		7/3/06	A		
	PART NO. HFJ12-1G06ER-L11RL		CHECKED					
	SCALE NONE		APPROVED					
CALIFORNIA, USA KOWLOON, HONG KONG SINGAPORE	PAGE 2 OF 2		FILE HFJ121G06ER-L11RL.DWG					