

PART NO. : HFJ12-1G16ER-L12RL

1X2 FASTJACK™ WITH 1000BASE-T MAGNETICS

COMPLIANT TO IEEE802.3ab STANDARDS

UL/EN60950 RECOGNIZED

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

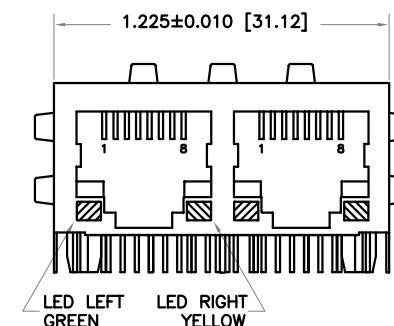
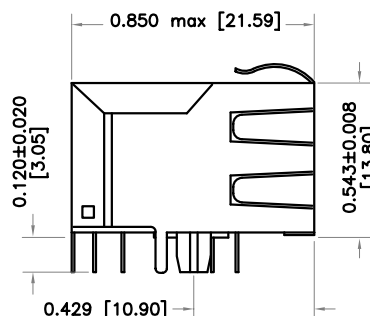
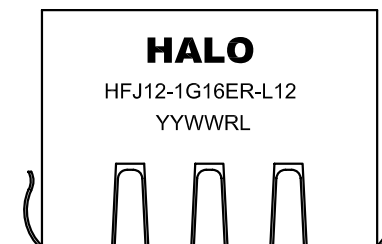
Leads: Matte Sn over Ni

Shield: Cu Alloy with Ni plating 40µin min

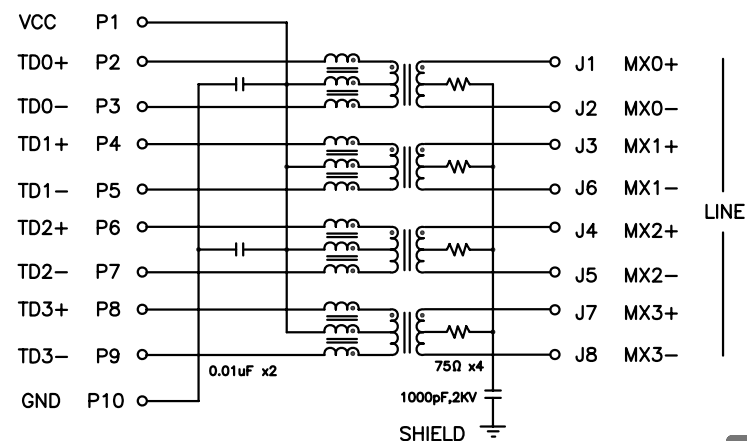
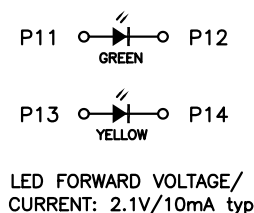
Durability: 1000 mating cycles

Dimensions: Inch [mm]

Tolerances: ±0.008 inch if not specified



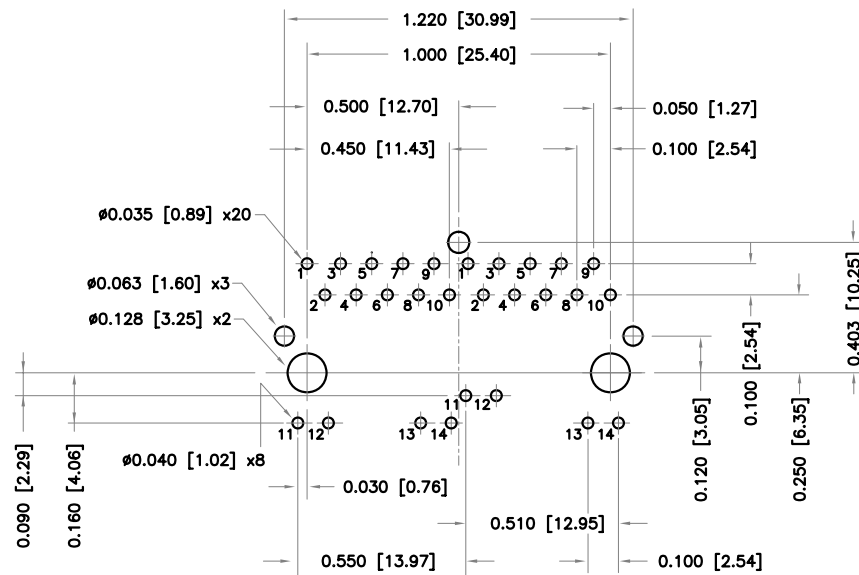
Turns Ratio	1:1±3%
OCL (100KHz,0.1V,8mA)	350µH min
Insertion Loss 1-100MHz	-1.1dB max
Return Loss 1-40MHz	-18dB min
60MHz	-14dB min
80MHz	-12dB min
100MHz	-10dB min
Crosstalk 1-100MHz	-35dB typ
CMR 0.1-30MHz	-38dB typ
30-60MHz	-35dB typ
60-100MHz	-30dB typ
Isolation	1,500Vrms



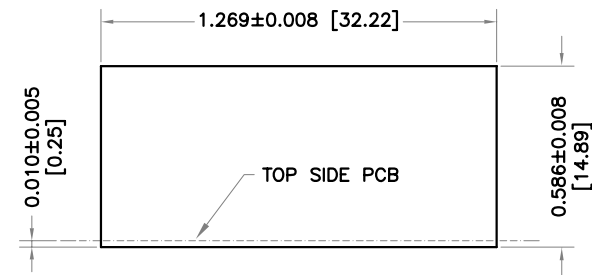
HALO/PBL

CALIFORNIA, USA
KOWLOON, HONG KONG
SINGAPORE

TITLE	FastJack™ 1x2	SIGNATURES	DATE	REV.	DESC.	DATE
FOR	GIGABIT ETHERNET	DRAWN	PETER LU	5/25/06	A	FIRST ISSUE
PART NO.	HFJ12-1G16ER-L12RL	CHECKED	LEI KEONG	10/22/08	B	PROD. RELEASE
SCALE	NONE	APPROVED	PETER LU	10/22/08		
PAGE	1 OF 2	FILE	HFJ121G16ER-L12RL.DWG			



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



RECOMMENDED PANEL CUTOUT

HALO/PBL

CALIFORNIA, USA
KOWLOON, HONG KONG
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SCALE NONE	PAGE 2 OF 2	FILE HFJ121G16ER-L12RL.DWG					