

PART NO. : HFJ12-1G06ER-L12RL

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

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

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

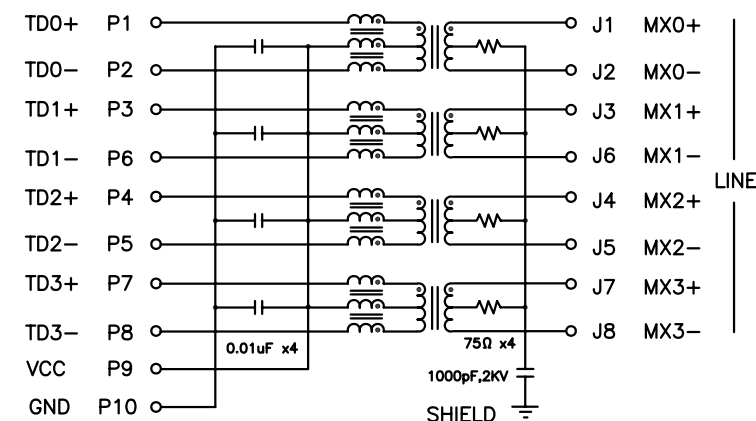
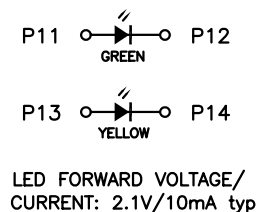
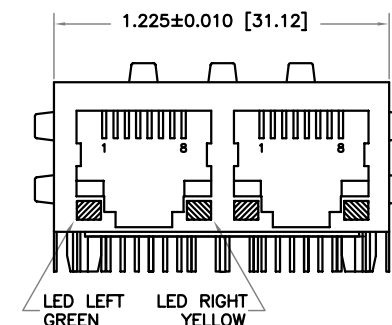
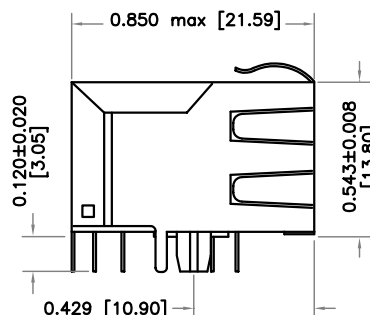
Leads: Matte Sn plating

Shield: Cu Alloy with Ni plating 40μin min

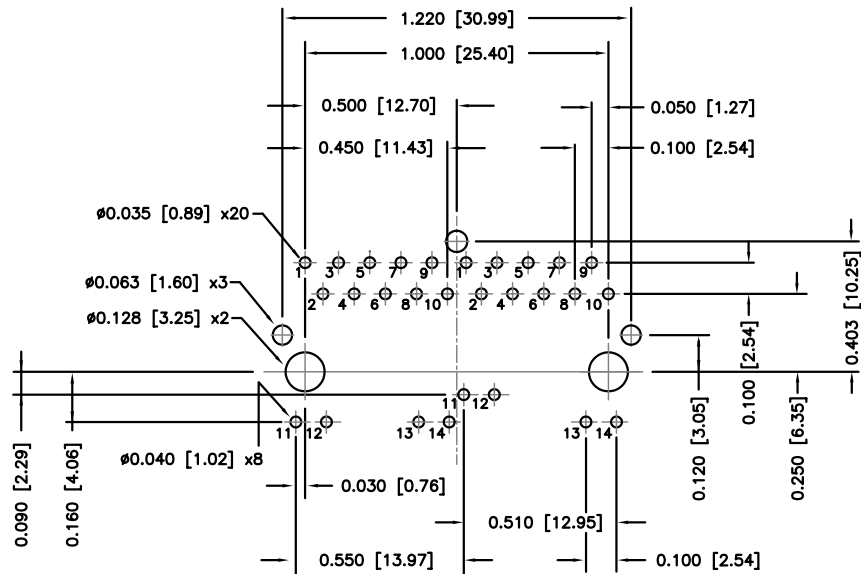
Durability: 1000 mating cycles

Dimensions: Inch [mm]

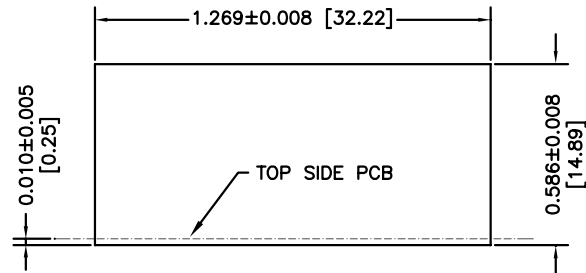
Tolerances: ±0.008 inch if not specified

HALOHFJ12-1G06ER-L12
YYWWRL**HALO/PBL**CALIFORNIA, USA
KOWLOON, HONG KONG
SINGAPORE

TITLE	FastJack™ 1x2	SIGNATURES	DATE	REV.	DESC.	DATE
FOR	GIGABIT ETHERNET	DRAWN	PETER LU	9/28/05	A	
PART NO.	HFJ12-1G06ER-L12RL	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		9/28/05	A		
	PART NO. HFJ12-1G06ER-L12RL		CHECKED					
	SCALE NONE		APPROVED					
CALIFORNIA, USA KOWLOON, HONG KONG SINGAPORE	PAGE 2 OF 2		FILE HFJ121G06ER-L12RL.DWG					