



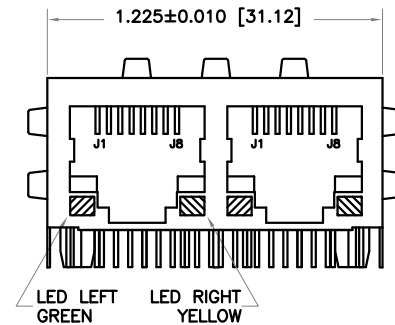
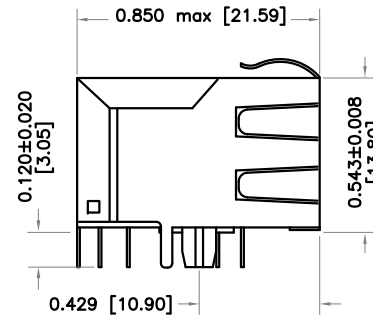
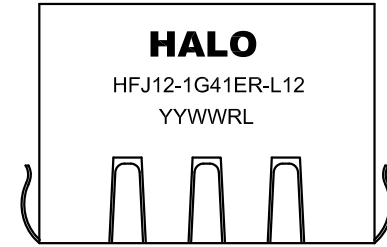
PART NO. : HFJ12-1G41ER-L12RL

1X2 FASTJACK™ WITH 1000BASE-T MAGNETICS
 COMPLIANT TO IEEE802.3ab STANDARDS
 OPTIMIZED FOR USE WITH VOLTAGE DRIVEN GIGABIT PHY
 UL/EN60950 RECOGNIZED
 RoHS COMPLIANT

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

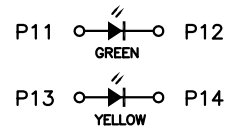
OPERATING TEMPERATURE 0/+70°C

Housing Material: Polyester, Black UL94V-0
 Contacts: Phosphor Bronze 30µm Au plating over Ni
 Leads: Matte Sn over Ni
 Shield: Cu Alloy with Ni plating 40µm min
 Durability: 1000 mating cycles
 Dimensions: Inch [mm]
 Tolerances: ±0.008 inch if not specified

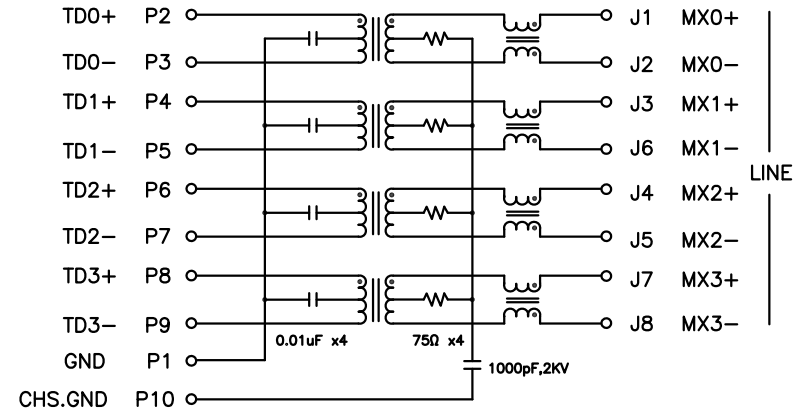


ELECTRICAL SPECIFICATIONS @25°C

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	-50dB typ
30-60MHz	-40dB typ
60-100MHz	-35dB typ
Isolation	1,500Vrms



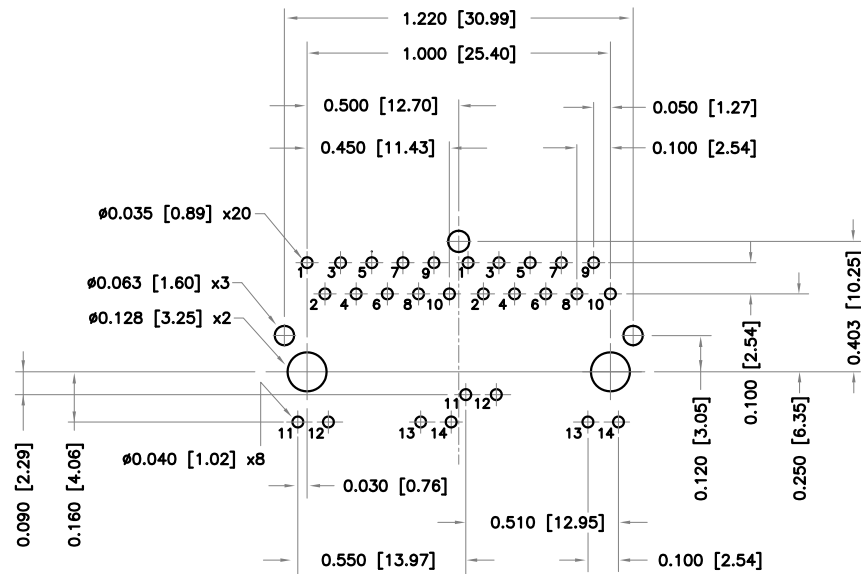
LED FORWARD VOLTAGE/
 CURRENT: 2.1V/10mA typ



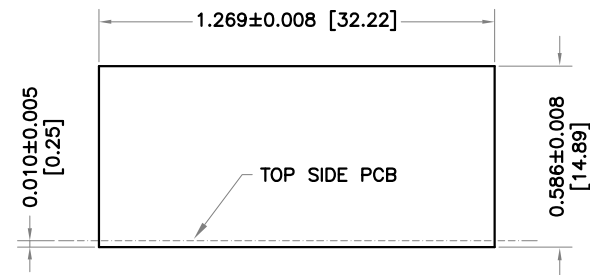
LINE



HALO/PBL	TITLE	FastJack™ 1x2	SIGNATURES	DATE	REV.	DESC.	DATE	
	FOR	GIGABIT ETHERNET	DRAWN	LI ZHI ZHONG	2/13/07	A	FIRST ISSUE	2/13/07
CALIFORNIA, USA KOWLOON, HONG KONG SINGAPORE	PART NO.	HFJ12-1G41ER-L12RL	CHECKED	LEI KEONG	8/29/12	B	PROD. RELEASE	8/29/12
	SCALE	NONE	APPROVED	PETER LU	8/29/12			
	PAGE	1 OF 2	FILE	HFJ12-1G41ER-L12RL.DWG				



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



RECOMMENDED PANEL CUTOUT

HALO/PBL

CALIFORNIA, USA
 KOWLOON, HONG KONG
 SINGAPORE

TITLE	FastJack™ 1x2	SIGNATURES		DATE		REV.		DESC.		DATE	
FOR	GIGABIT ETHERNET	DRAWN	LI ZHI ZHONG	2/13/07	A	FIRST ISSUE	2/13/07				
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SCALE	NONE	APPROVED	PETER LU	8/29/12							
PAGE	2 OF 2	FILE	HFJ12-1G41ER-L12RL.DWG								

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