

DESIGNED FOR IEEE802.3ab GIGABIT APPLICATIONS

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

OPERATING TEMPERATURE 0/70°C

CONDITIONS @ 25° C

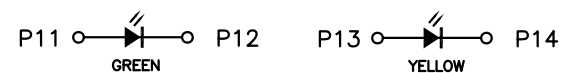
1:1 ±3%

350μH min

-1.1dB max

The schematic diagram shows a transformer with two windings. The primary winding has terminals P1, P2, P3, P4, and P5. The secondary winding has terminals TD0+, TD0-, TD1+, TD1-, TD2+, and TD2-. The connections are as follows: P1 is connected to TD0+, P2 to TD0-, P3 to TD1+, P4 to TD2+, and P5 to TD2-. There is a center tap on the secondary winding between TD1- and TD2+.

The schematic diagram illustrates the internal circuitry of the MX3 module. It features a 4-channel transformer with primary windings connected to pins P1 through P8. Each primary winding is in series with a 0.01uF capacitor. The secondary windings are connected to pins J1 through J8. Each secondary winding is in series with a 75 Ohm terminator. A 1000pF, 2kV capacitor is connected between pin P9 and GND. The output lines are labeled MX0+, MX0-, MX1+, MX1-, MX2+, MX2-, MX3+, and MX3-.



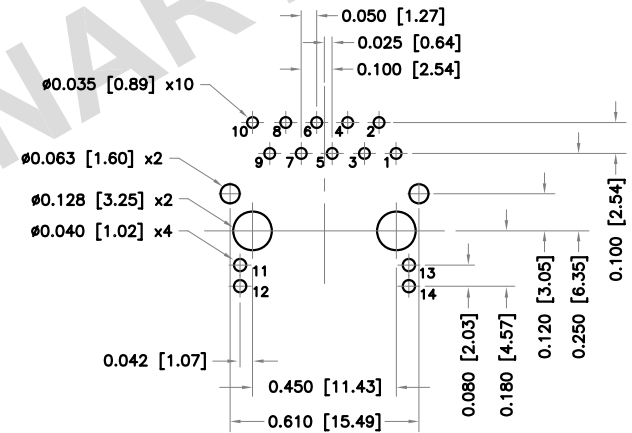
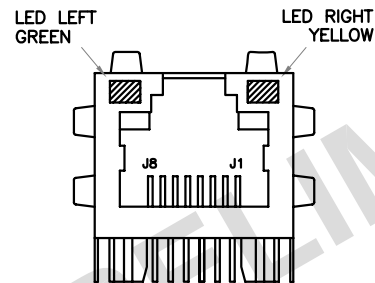
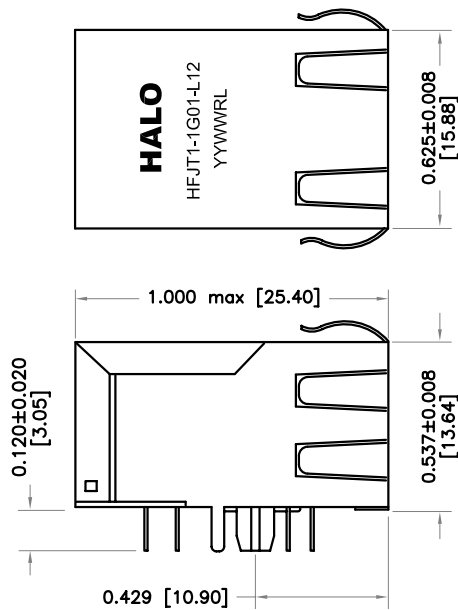
LED FORWARD VOLTAGE/CURRENT: 2.1V/10mA typ



HALO/PBL

TITLE		FastJack™ SINGLE		SIGNATURES		DATE	REV.	DESC.	DATE	
FOR		GIGABIT ETHERNET		DRAWN		LI ZHI ZHONG	4/13/11	A	FIRST ISSUE	4/13/11
PART NO.		HFJT1-1G01-L12RL		CHECKED		LEI KEONG	4/13/11			
				APPROVED		PETER LU	4/13/11			
SCALE	NONE	PAGE	1 OF 2	FILE				HFJT1-1G01-L12RL.DWG		

CALIFORNIA, USA
KOWLOON, HONG KONG
SINGAPORE



RECOMMENDED P.C. BOARD PATTERN (COMP. SIDE)

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]

HALO/PBL

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TITLE FastJack™ SINGLE

FOR GIGABIT ETHERNET

PART NO. HFJT1-1G01-L12RL

SCALE NONE

PAGE 2 OF 2

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