

PART NO. : HFJT1-RP48-L12RL



FASTJACK™ WITH 10/100BASE-TX MAGNETICS

COMPLIANT TO IEEE802.3u STANDARDS

DESIGNED FOR PoE, IEEE802.3af APPLICATIONS
WITH AUTO-MDIX PHYS

POWER ON USED OR UNUSED PAIRS FOR UP TO 350mADC

RoHS COMPLIANT

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

OPERATING TEMPERATURE 0/70°C

ELECTRICAL SPECIFICATIONS @ 25°C

URNS RATIO

P1-P2:J1-J2,P4-P5:J3-J6 1CT:1 ±3%

OCL (100KHz,0.1Vrms,8mADC)

P1-P2,P4-P5 350µH min

INSERTION LOSS

0.1-100MHz -1.1dB max

RETURN LOSS

0.5-30MHz -18dB min
40MHz -15.5dB min
50MHz -13.6dB min
60-80MHz -12dB min

CROSSTALK 0.1-100MHz

-40dB typ

CMR 0.1-30MHz

-50dB typ

30-60MHz

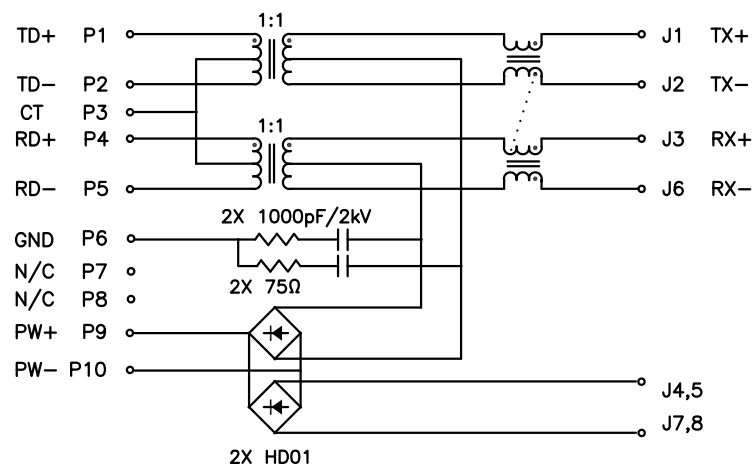
-40dB typ

60-100MHz

-35dB typ

ISOLATION

1,500Vrms



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



HALO/PBL

CALIFORNIA, USA
KOWLOON, HONG KONG
SINGAPORE

TITLE FastJack™ TAB-UP

FOR FAST ETHERNET IEEE802.3af

PART NO. HFJT1-RP48-L12RL

SCALE NONE

PAGE 1 OF 2

SIGNATURES

DRAWN LI ZHI ZHONG

CHECKED LEI KEONG

APPROVED PETER LU

FILE HFJT1-RP48-L12RL.DWG

DATE

1/31/06

6/15/10

6/15/10

REV.

A

B

C

DESC.

FIRST ISSUE

PROD. RELEASE

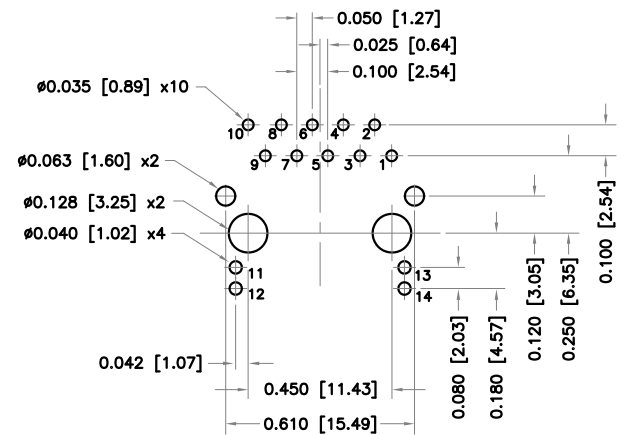
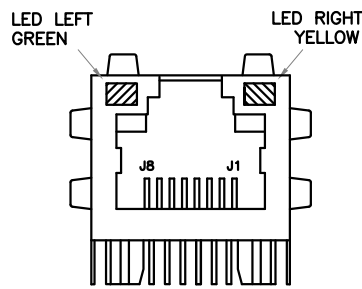
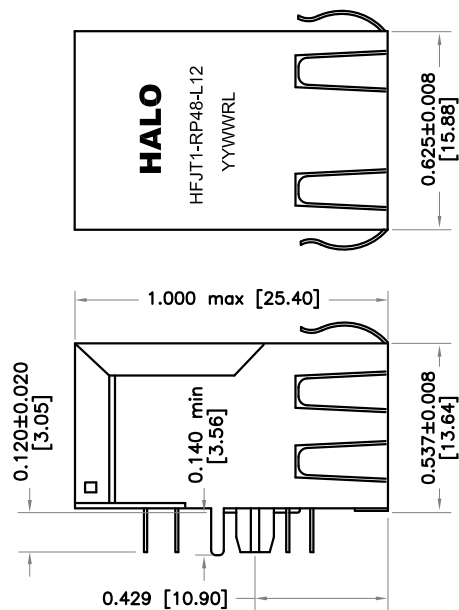
ADD GND PIN LENGTH

DATE

1/31/06

2/1/10

6/15/10



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

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

HALO/PBL

CALIFORNIA, USA
 KOWLOON, HONG KONG
 SINGAPORE

TITLE	FastJack™ TAB-UP	SIGNATURES	DATE	REV.	DESC.	DATE
FOR	FAST ETHERNET IEEE802.3af	DRAWN	LI ZHI ZHONG	1/31/06	A	FIRST ISSUE
PART NO.	HFJT1-RP48-L12RL	CHECKED	LEI KEONG	6/15/10	B	PROD. RELEASE
SCALE	NONE	APPROVED	PETER LU	6/15/10	C	ADD GND PIN LENGTH
PAGE	2 OF 2	FILE	HFJT1-RP48-L12RL.DWG			