

RoHS COMPLIANT

OPERATING TEMPERATURE 0/70°C

WAVE SOLDERING PROCESS

ONMENTS

/70°C

CATIONS @ 25° C

1:1 ±3%

350µH min

−1.1dB max

−18dB min

−14dB min

−12dB min

TD0+ P1

TD0− P2

TD1+ P3

TD1− P6

TD2+ P4

TD2− P5

The diagram shows a power distribution network with six power planes (P1 to P6) and six test points (TD0+ to TD2-). The connections are as follows: TD0+ is connected to P1; TD0- is connected to P2; TD1+ is connected to P3; TD1- is connected to P6; TD2+ is connected to P4; and TD2- is connected to P5. Each connection point is shown with a capacitor and an inductor, representing parasitics. The inductors are connected to a common ground plane on the right.

The schematic diagram illustrates the internal circuitry of the MX3 module. It features a central transformer with four primary windings connected to pins P1-P4 and P6-P9. The secondary windings are connected to pins J1-J8. The circuit includes a 0.01uF x4 capacitor network, a 75Ω x4 resistor network, and a 1000pF, 2kV capacitor. The module is powered by VCC (P9) and grounded at GND (P10).



TITLE	FastJack™	SINGLE
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SIGNATURES

DATE _____

4/15/11

REV.

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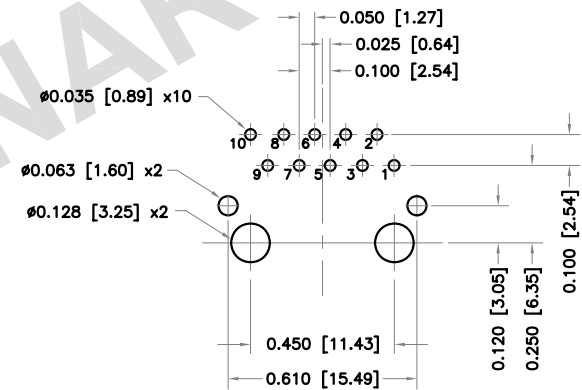
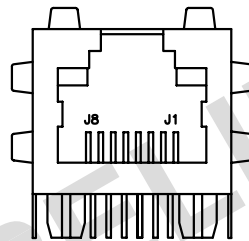
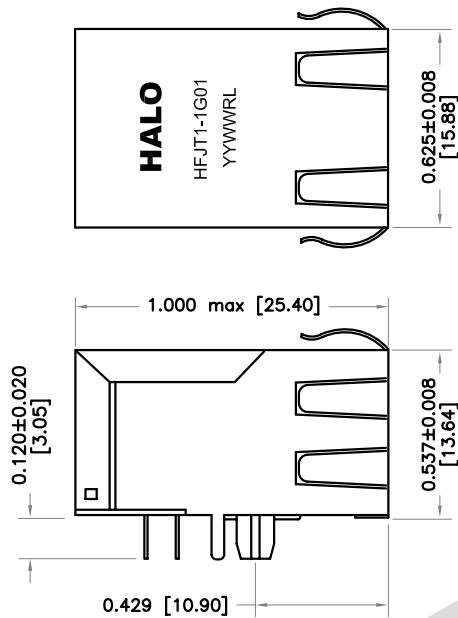
APPROVED PETER LU

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FILE	HFJT1-1G01RL.DWG
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CALIFORNIA, USA
KOWLOON, HONG KONG
SINGAPORE



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™ SINGLE

FOR GIGABIT ETHERNET

PART NO. HFJT1-1G01RL

SCALE NONE

PAGE 2 OF 2

SIGNATURES

DRAWN LI ZHI ZHONG

CHECKED LEI KEONG

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FILE HFJT1-1G01RL.DWG

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