

RoHS COMPLIANT

OPERATING TEMPERATURE 0/70°C

WAVE SOLDERING PROCESS
COMPONENTS
150°C/70°C

TEST CONDITIONS @ 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
TD3+ P7
TD3- P8

The schematic diagram illustrates the internal wiring of the MX3 module. It shows a header with pins P1 through P10 and a connector with pins J1 through J8. The connections are as follows:

- P1** is connected to **J1** (MX0+).
- P2** is connected to **J2** (MX0-).
- P3** is connected to **J3** (MX1+).
- P6** is connected to **J6** (MX1-).
- P4** is connected to **J4** (MX2+).
- P5** is connected to **J5** (MX2-).
- P7** is connected to **J7** (MX3+).
- P8** is connected to **J8** (MX3-).
- P9** (VCC) is connected to a common ground plane.
- P10** (GND) is connected to a common ground plane.

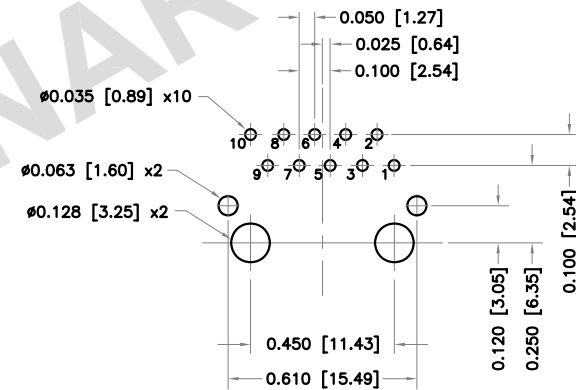
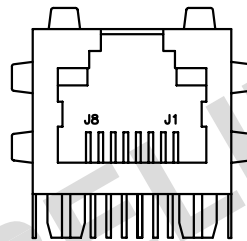
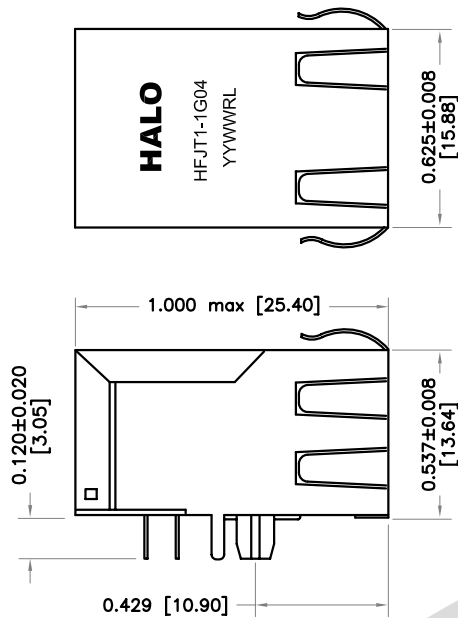
Internal components include:

- A network of four $0.01\mu\text{F}$ capacitors (labeled $0.01\mu\text{F} \times 4$) connecting the header pins to the connector pins.
- A network of four 75Ω resistors (labeled $75\Omega \times 4$) connected in series with the signal lines.
- A $1000\text{pF}, 2\text{kV}$ capacitor connected between the common ground plane and a **SHIELD** ground point.



TITLE FastJack™ SINGLE			SIGNATURES		DATE	REV.	DESC.	DATE
FOR GIGABIT ETHERNET			DRAWN LI ZHI ZHONG		4/13/11	A	FIRST ISSUE	4/13/11
			CHECKED LEI KEONG		4/15/11	B	REV. MARKING	4/15/11
PART NO. HFJT1-1G04RL			APPROVED PETER LU		4/15/11			
SCALE NONE	PAGE 1 OF 2		FILE HFJT1-1G04RL.DWG					

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. HFJT1-1G04RL

SCALE NONE

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SIGNATURES

DRAWN LI ZHI ZHONG

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