

LAN8742A Daughter Board Information Sheet

The LAN8742A Daughter Board ([EV55L82A](#)) enables Ethernet communication with a variety of Microchip starter kits. This information sheet provides an overview and a detailed schematic of the LAN8742A Daughter Board.

This daughter board is designed specifically to be used with the PIC32 Ethernet Starter Kit II ([DM320004-2](#)) or the PIC32MZ Embedded Connectivity with Floating Point Unit (EF) Starter Kit ([DM320007](#)); however, it can also be used with other Microchip development hardware.

For additional information about the LAN8742A Daughter Board, please visit <http://www.microchip.com>.

Features

The LAN8742A Daughter Board features a 22-pin header for connecting the board into compatible PIC32 starter kits. The board has a LAN8742A Ethernet Physical Layer Chip, configured to use RMII. The LAN8742A Daughter Board is suitable for use with the PIC32 Ethernet Starter Kit II and the PIC32MZ EF Starter Kit.

The features of the LAN8742A Daughter Board include:

- RMII interface with MDC/MDIO management interface for register configuration
- Fast start-up and link
- Loopback modes for diagnostics

Additional Information

For more information on drivers and examples, please visit:

- <https://www.microchip.com/en-us/product/LAN8742A>
- <https://www.microchip.com/en-us/tools-resources/configure/mplab-harmony>

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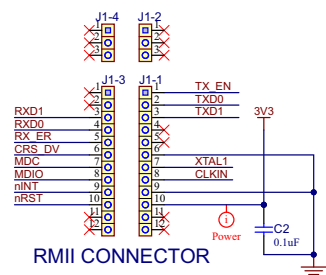
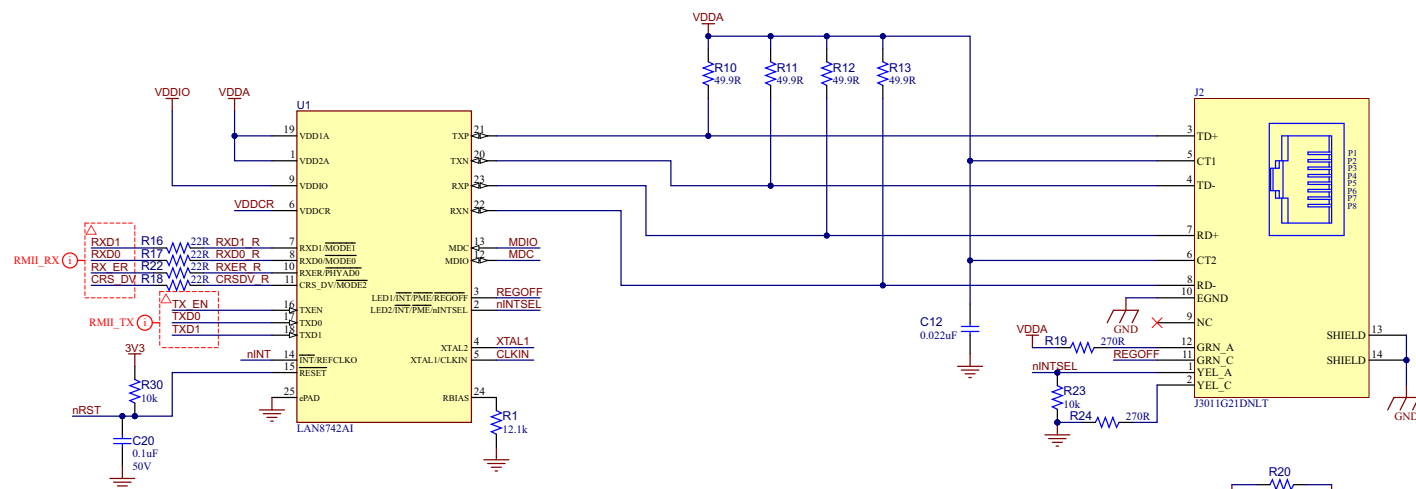


Microchip Technology Inc. • 2355 West Chandler Blvd. • Chandler, AZ 85224-6199

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DS50003517A



MODE[2:0] = 111
All Modes Capable
Auto-Negotiation

PHYAD0 = 0
PHY Address = 0

REGOFF = 0
Internal 1.2V ON

nINTSEL = 0
REFCLKO on nINT

