PmodRJ45™ Connector Modules Reference Manual

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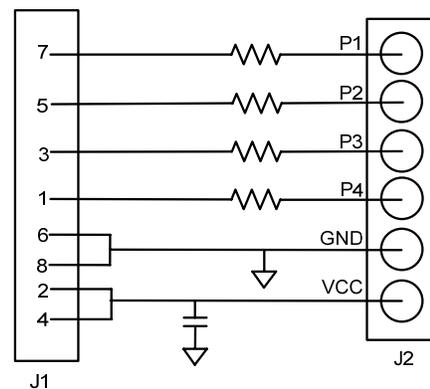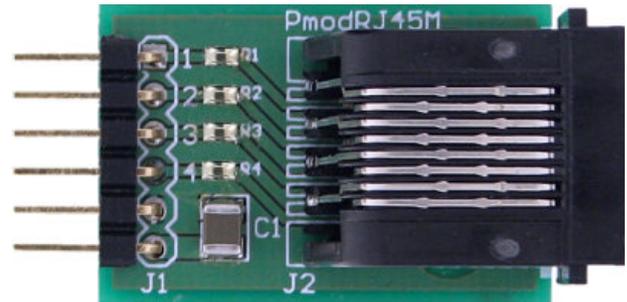Note: This document applies to REV A of the boards.

Overview

The PmodRJ45 Connector Modules can link any Digilent Pmod to any AVR-based or FPGA-based Digilent board via a 6-pin header port. The RJ45 modules come as a pair of male and female boards.
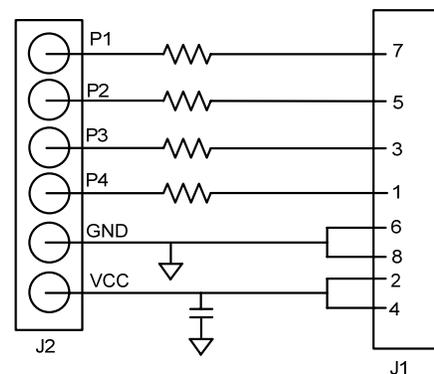
Functional Description

The RJ45 modules are useful when a Pmod needs to be separated from its host device farther than a Pmod extension cable allows. The RJ45 modules can be linked by any commercially-available networking cable.

The male RJ45 module plugs into a port on a control board such as the Nexys or Cerebot. The female RJ45 module connects to any Pmod. When a networking cable is plugged into both the male and female modules, a direct link is made between the control board and the Pmod.

PmodRJ45 (Female) Circuit Diagram

PmodRJ45 (Male) Circuit Diagram