

Information Sheet

Introduction

The MPLAB® ICD Header (Part Number AC162051) provides a means of connecting the MPLAB ICD 2 Module to a target board that does not incorporate a 6-wire modular connection into its design. The board is designed for 40-pin devices supported by MPLAB ICD 2. Please see the README.ID2 in the MPLAB IDE software for specific details on devices supported.

The MPLAB ICD 2 Module connects to the MPLAB ICD Header via a 9-inch modular cable. For in-circuit debugging, insert a 40-pin PICmicro® into the MPLAB ICD Header, then insert the header board into a 28-pin or 40-pin DIP socket on the target application. The 28-pin connector on the underside allows debugging of a 28-pin device using a 40-pin device as the master (U2). Pin connections translate a 40-pin device to the 28-pin device.

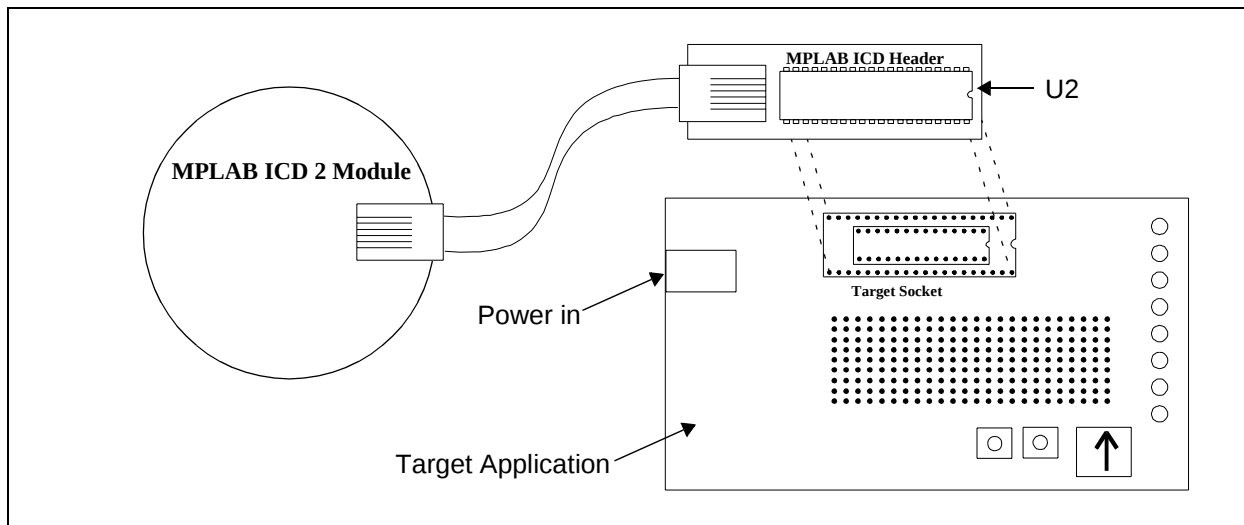


Figure 1: MPLAB ICD 2 Module Connection with Header

MPLAB[®] ICD Header Information Sheet

Installation

Install the MPLAB ICD Header by following these steps:

1. Plug the 40-pin device into the 40-pin DIP socket (U2 location) in the MPLAB ICD Header board.

Note 1: All signals EXCEPT RB6 and RB7 are brought down to the target board. RB6 and RB7 are reserved for use on MPLAB ICD 2 and only connect to the MPLAB ICD 2 connector.

- 2: J1 is not populated but is shorted on the bottom side of the board, this allows the MPLAB ICD 2 to sense the target voltage and provide the proper signals to the target board.

2. Connect the 9-inch modular cable between the MPLAB ICD 2 Module and the MPLAB ICD Header.
3. If you are debugging a 40-pin part using a target board, insert the two 20-pin male to male headers (stand-offs) onto the target board sockets. Then, plug the MPLAB ICD Header board into the stand-offs.

If you are debugging a 28-pin part using a target board, insert the two 14-pin male to male headers (stand-offs) onto the target board sockets. Then, plug the MPLAB ICD Header board into the stand-offs.

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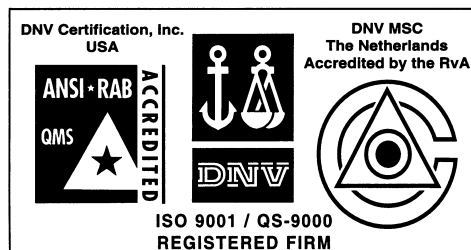
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