Other Information

To obtain the most recent and complete documentation for this demonstration board, including:

- User's Guide   - Board Description   - Board Schematics
- Source Code   - Application Examples   - Links to Web Seminars

please refer to the Microchip web site: **http://www.microchip.com**

DS51654A

IrDA® Standard PICtail™ Plus Daughter Board

Overview

The IrDA® Standard PICtail™ Plus Daughter Board is a demonstration board for evaluating Microchip Technology's infrared communication capability and IrDA Standard stack for 16-bit microcontrollers. It is an expansion board compatible with the Explorer 16 development board.

Features

- Infrared optical sensor
- PICtail™ Plus Daughter Board connection interface

Please see the reverse side for schematic.

Getting Started

To get started, an Explorer 16 development board is required. All Explorer 16 development boards are shipped with connector J5 installed. The IrDA Standard PICtail Plus Daughter Board should be inserted into one of the top two sockets of J5. The orientation of the IrDA Standard PICtail Plus Daughter Board should be such that the optical sensor points toward the prototyping area on the Explorer 16 development board. If the board is inserted into the top most socket, UART1 must be utilized for infrared communication. If the board is inserted into the second top most socket, UART2 must be utilized for infrared communication.

The IrDA Standard PICtail Plus Daughter Board can be used in conjunction with the IrDA Standard Stack for Microchip 16-bit microcontrollers (see application note AN1071). The demonstration projects provided with the stack can be programmed into an Explorer 16 demonstration board and interact with either another Explorer 16 demonstration board, or another device that also supports the pertinent IrDA Standard protocol. See application note AN1071 for more information on running the sample projects.

IrDA Stack and Firmware

The Microchip IrDA Standard stack and other firmware examples can be downloaded from:
http://www.microchip.com

Signal Interface

Function	I/O	Pin	Description
RX	I	U1RX/U2RX	UART Receive
TX	O	U1TX/U2TX	UART Transmit

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Board Schematic

Power Mode Selection J3

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