Support | Developer Kits | CY3654 + CY3654PO5

DEVELOPER KIT: CY3654 + CY3654PO5

Families Supported:
USB Low Speed Peripherals

Devices Supported:
CY7C63221A PC
CY7C63231A PC
CY7C63231A SC
CY7C63723 PC
CY7C63723 SC
CY7C63742 SC
CY7C63743 PC
CY7C63743 SC

Product Description:

The **CY3654 + CY3654PO5** Base Board & Personality Board is a development environment in support of a variety of applications mice or other low speed USB peripherals. The **CY3654 + CY3654 PO5** is designed for use with Cypress's CY7C632XXA, and CY7C637XX M8 based parts.

CY3654 Base Board
The CY3654 is the common platform board for a variety of our M products. To emulate a specific USB device within a family, the appropriate personality board needs to be purchased (CY3654). Each USB family will have a unique personality board. The platf (CY3654) will only work when supplemented by one of the famil personality boards.

The CY3654 has been designed using Flash FPGA s, so that Netlist updates can be downloaded by the user. The developme Cypress low speed USB microcontrollers use real hardware emulation of the actual devices to assist in firmware developmen consist of a USB development board, USB monitor/debugger, a example application source code, cables, and documentation.

Cypress offers high level language programming support for all the series products with the CY366xR100 C Compiler. This optimizing compiler allows developers to write code in a high language and convert it to executable code. The CY366xR100 tool offers a lin built in macro cross assembler, an integrated development environ and an editor. This optimizing development tool provides many l over the traditional assembly programming language including r development time of firmware code for complex embedded syst enabling the developer to generate very efficient, compact code and providing for easy firmware maintenance.

Personality Boards:
Cypress offers a variety of Personality Boards that accompany t CY3654 Base Board for use in specific applications. The follow current offerings:

CY3654P02 -- Personality Board for CY7C634XX, CY7C635XX, CY7C636XX **(apps: USB keyboards and other low speed devic requiring more I/O)**

CY3654P03 -- Personality Board for CY7C64X13 (full speed), CY7C65X13 and CY7C66X13 (hubs). **(apps: full speed periphe hubs, and hub plus integrated peripheral applications)**

CY3654P05 -- Personality Board for CY7C632XXA, and CY7C637XX **(apps: mice or other low speed USB peripherals)**

Note: A Complete Development Kit consists of the Platform Boa Personality Board. Other Personality Boards can be used with t CY3654 Platform Board. **Please specify both the base board: CY3654, and Personality board: CY3654, when ordering this particular kit.**

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Documentation		
Title	**PDF File**	**Last Modified**
CYDB Reference Guide	10577KB	Jan. 21, 2002
CYDB Users Guide	19169KB	Jan. 21, 2002
CYASM Assember User's Gui	265KB	Jan. 21, 2002

Software		
Title	**Zip Download**	**Last Modified**
CY Debugger for CY3654 V1.4.3	2170KB	Jan. 21, 2002
CY3654 Code Examples	1360KB	Jan. 21, 2002
CYASM Assembler Software V1.96	277KB	Jan. 21, 2002
Evaluation Version of Bytecraft C Compiler	1848KB	Jan. 21, 2002

Hardware

CY3654 Development Kit includes a CY3654 Platform board, a 232 Cable, and a Power Supply. Personality Kits include a CY3654Px00 Personality Board, a CY3654Dx00 Applications B Target µC Adapters, a target Flex Cable, and application Cables

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