

PTG Programming Kit

Features

- Supports Field Programmable Clock Generators:
- CY2077FS, CY2077FZ, CY22050F, CY22150F, CY22381F, CY22392F, CY22393F, CY22394F, and CY22395F
- Allows quick and easy prototyping
- Compact design for ease of portability
- Easy to use Windows 95, 98, NT, 2K, ME, XP compatible interface
- User friendly CyClocksRT™ software for JEDEC file development

Kit Contents

- Three Sockets: CY3695, CY3698, CY3699
- Parallel Port cable
- AC/DC adapter
- CD containing:
- CyClocksRT™ software
- CY3672 programmer interface software
- Datasheets

Functional Description

The CY3672 programming kit enables any user with a PC the ability to program Field Programmable Clock generators quickly and easily. The only two setup requirements are a power connection and a parallel port connection with the PC as shown in *Figure 2*.

Using the CyClocksRT™ software, users can configure their parts to a given specification and generate the corresponding

Jedec file. In addition CyClocksRT™ software has PPM optimization and power calculations.

The Jedec file is then loaded into CY3672 software that communicates with the programmer. The CY3672 software has the ability to read and view the EPROM table from a programmed device. The programming flow is outlined in *Figure 1*.

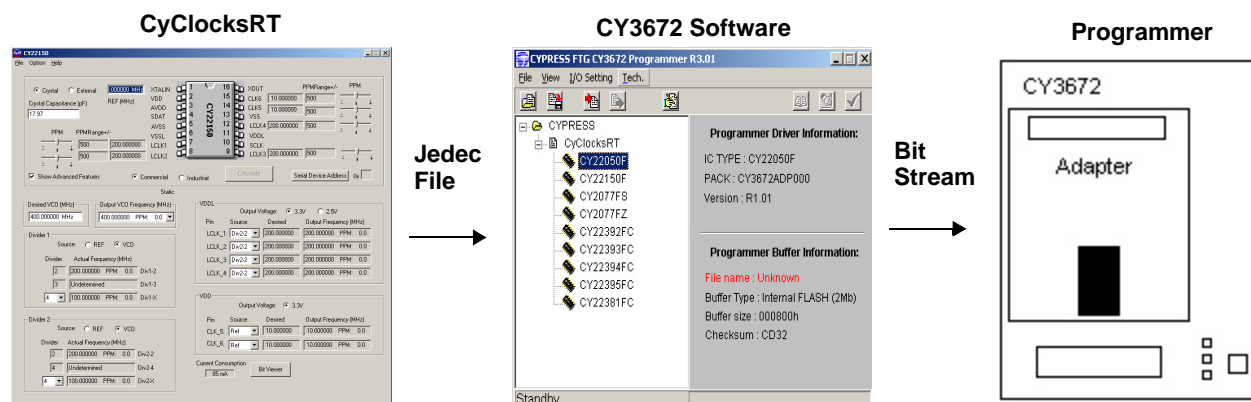


Figure 1. Programming Procedure

Set Up

Hardware

The CY3672 programming kit has a very simple setup procedure. As shown in Figure 2 only two connections are required. The programmer must be hooked up to a PC through a parallel

port and must receive power through the AC/DC adapter that gets hooked up to your standard 110V / 220V wall outlet. Make sure your parallel port settings on your computer are ECP or EPP.

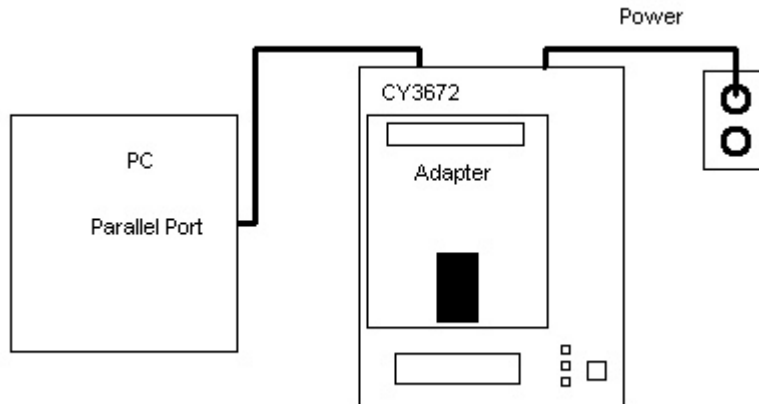


Figure 2. CY3672 Programming Kit Setup

Figure 3 is a close up of the socket and illustrates the correct orientation for placing the device into the socket.

Pin1 should always be in the lower left corner as shown in Figure 3.

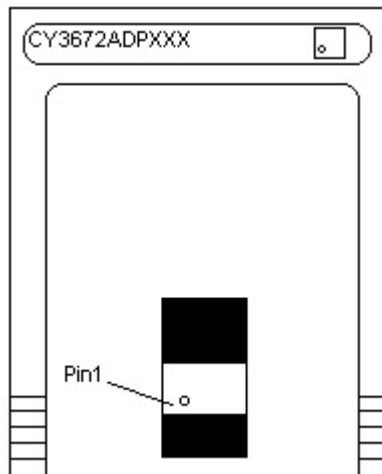


Figure 3. Device Orientation

Software^[1]

Setting up the software is just as easy as setting up the hardware. The included CD contains CyClocksRT™ and the diskette has CY3672*.exe software.

To install CyClocksRT™ simply run the Setup file in the CyClocksRT™ folder. It will prompt the user for a few questions and then self install. Be sure to check for CyClocksRT™ software updates at: <http://www.cypress.com/support>

The CY3672*.exe software does not require installation. Simply copy it to your desired directory and double click on the icon to run.

The first time running CY3672, be sure to have your program

mer in "TYPE" mode by pushing the arrow keys on the programmer until you see "TYPE" displayed on the LED screen.

Sockets

This kit contains sockets for CY22050F, CY22150F, CY22381F, CY22392F, CY22393F, CY22394F and CY22395F. To order Additional sockets for the CY2077FS or CY2077FZ contact your local Cypress FAE or go to <http://www.onfulfillment.com/cypressstore>, and click on "Timing Technology". *Table 1* below lists the available sockets and their corresponding devices.

Table 1. Available Sockets

Socket Part Number	Programming Device
CY3695 - CY3672ADP000	CY22050F, CY22150F
CY3696 - CY3672ADP001	CY2077FS
CY3697 - CY3672ADP002	CY2077FZ
CY3698 - CY3672ADP003	CY22392F, CY22393F, CY22394F, CY22395F
CY3699 - CY3672ADP004	CY22381F

Note:

1. Be sure to check for CyClocks™ updates at <http://www.cypress.com/design/products/clock/clocks.html>

Ordering Information

Ordering Code	Operating Voltage
CY3672	110V / 220V

Document Title: CY3672 PTG Programming Kit Document Number: 38-07409				
REV.	ECN NO.	Issue Date	Orig. of Change	Description of Change
NEW	114456	03/22/02	CKN	New Datasheet