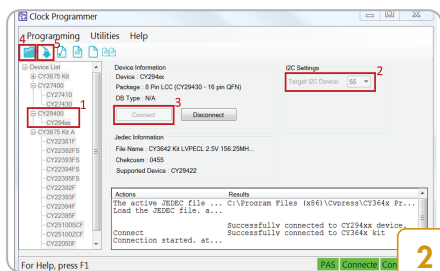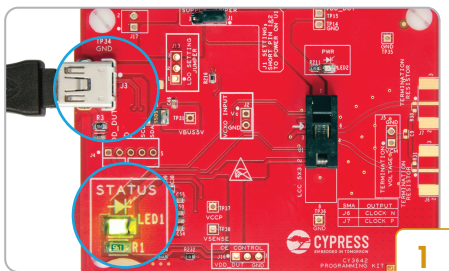# CY3642 PROGRAMMING KIT

The CY3642 Programming Kit enables quick and easy Programming of Cypress's High Performance Programmable Oscillator (CY29421, CY29422)

Kit Contents:

1. CY3642 Programming Board
2. USB Standard-A to Mini-B cable
3. Quick Start Guide (this document)
4. IC CY29422FLXI
   (placed inside the socket)

1

- Download and install the latest kit software onto your PC from www.cypress.com/CY364X
- Connect the board to your PC using the provided USB cable
- The Status LED (Green) turns ON after the kit driver enumeration is complete

2

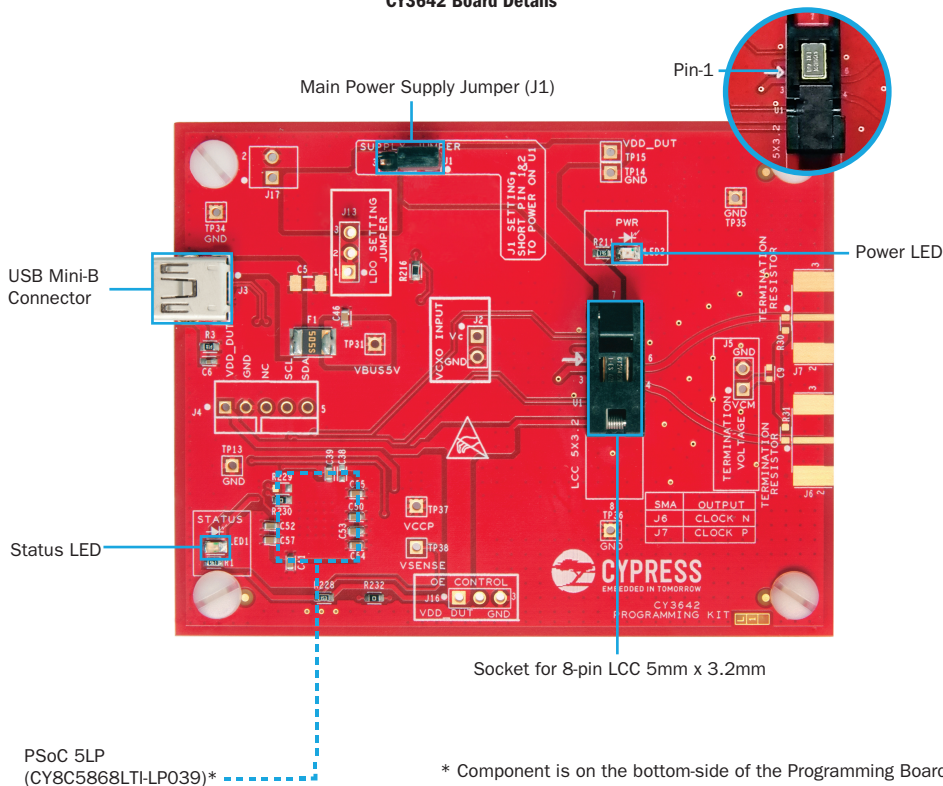Steps to successfully program the clock device using this Programming kit.

- Ensure default Jumper setting as mentioned in Table overleaf
- Run the Clock Programmer software tool
  1. Select CY294xx from the Device List
  2. Select 0x55 for target I^{2}C address
  3. Click Connect
  4. Open the JEDEC file from <Install_Directory> \CY364x Programming Kit\<version>\Firmware\ CY3642\CY3642 Kit LVPECL 2.5V 156.25MHz)
  5. Click Program
- While eFuse programming is underway you will notice Power LED (LED2) to glow Amber

CY3642 PROGRAMMING KIT

Table: Jumper Default Position

Jumper	Purpose	Default Position
J1	Power on CY29422	1 - 2

CY3642 Board Details

Pin-1

Main Power Supply Jumper (J1)

USB Mini-B Connector

Power LED

Status LED

Socket for 8-pin LCC 5mm x 3.2mm

PSoC 5LP (CY8C5868LTI-LP039)*

* Component is on the bottom-side of the Programming Board

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