



"Embedding thoughts into Technology"

Embin Technologies Private Limited
306, Sarita 2, Prabhat Industrial Estate,
Near Toll Naka, Dahisar East,
Mumbai - 400 068. India.
Tel : +91-22-28977128
+91-22-28977127
Fax : +91-22-28689486
Email : contact@embin.com
Website : www.embin.com

Standalone refillable medicinal electroporation controller

Client:

US based company.

Requirement:

To develop an embedded system to process the medicines which require pretreatment with electric currents. The system is a stand-alone type, refillable module with self-testing and diagnostic features.

Solution:

The system is based on an 8-bit PIC16Fxxx series microcontroller with built-in PWM control that offers glitch less modulation. The system is a stand alone module and communicates with the user via onboard LED sequences. Dallas 1-Wire encrypted memory based dongles are used to keep the system functional.

Tools/Platforms:

- » PIC16F690
- » Dallas DS2502 1-Wire Serial EEPROM
- » Microchip C18 V3.03
- » Microchip MPLAB ICD2
- » MPLAB IDE v7.40