UNIVERSAL INFRARED REMOTE CONTROL USING A MICROCONTROLLER

Prepared by: Chan Foo Mun

ABSTRACT

The goal of this project is to build and design an Infrared Remote Control unit to control any home appliances and using a microcontroller. So I named it as 'Universal Infrared Remote Control Using a Microcontroller'. It is a Universal 'in circuit' programmable infrared remote control. It's based on the PIC16F84. The PIC is currently programmed to scan the key matrix and generate both the 40 kHz modulated driver for the infrared LEDs as well as some control signals. There is only SONY infrared codes which is in 12 bits formatter are programmed in my project.