MP-3

Embedded Linux

# Makefile

In the setup.sh file, an environment variable called CROSS\_COMPILE is created. This declares a cross compiler toolchain prefix to be used later.

# Bootargs

The console arg sets up UART and sets the baud rate to 115200. The root arg sets up the printk function. This allows us to get useful debug information before the kernel is completely setup and before we get access to other print functions.

# Xilinx.dts

**#gpio-cells = <2>;**  -- commented out

**compatible = "xlnx,axi-gpio-1.01.b", "xlnx,xps-gpio-1.00.a";**

**gpio-controller ;**

**reg = < 0x41220000 0x10000 >;**

**xlnx,all-inputs = <0x0>;**

**xlnx,all-inputs-2 = <0x0>;**

**xlnx,dout-default = <0x0>;**

**xlnx,dout-default-2 = <0x0>;**

**xlnx,gpio-width = <0x8>;**

**xlnx,gpio2-width = <0x20>;**

**xlnx,instance = "LEDs\_8Bits";**

**xlnx,interrupt-present = <0x0>;**

**xlnx,is-dual = <0x0>;**

**xlnx,tri-default = <0xffffffff>;**

**xlnx,tri-default-2 = <0xffffffff>;**

# My First Boot