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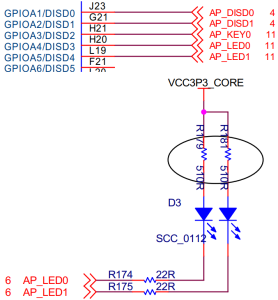
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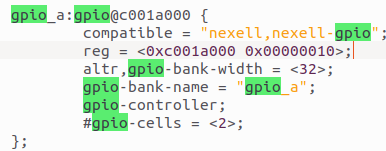
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# Check which GPIO the LED is connected to

 AP\_LED0 >> GPIOA4



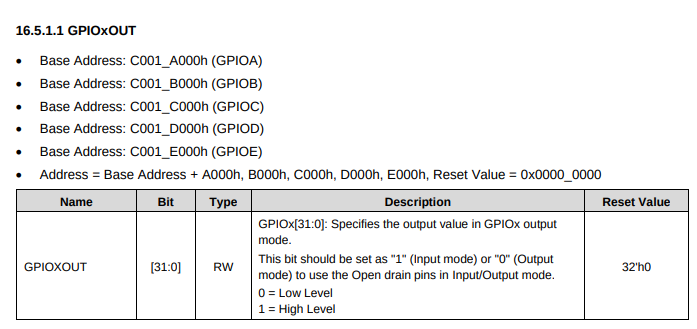
# Device tree



# Data sheet

## Check which memory address the GPIO is connected to

GPIO\_A starts from 0xc001a000



# GPIO control

## Command control

### Method 1

Check if defconfig has this line



#### Toggle the GPIO the LED is connected to

|  |
| --- |
| gpio toggle 4 |

### Method 2

#### Turn off the LEDs by writing to the memory location

|  |
| --- |
| md 0xc001a000 # Print  mw 0xc001a000 30 # Write 0x30 = 0b00110000  md 0xc001a000 # Print |

### Before



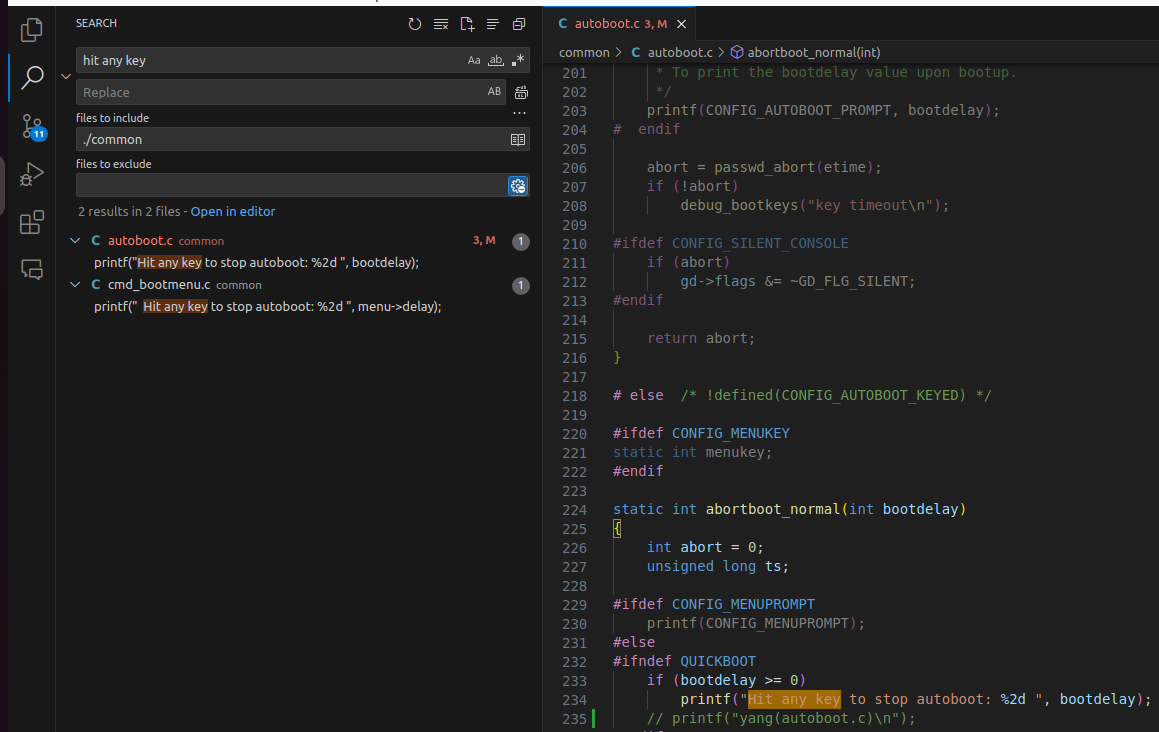
### After



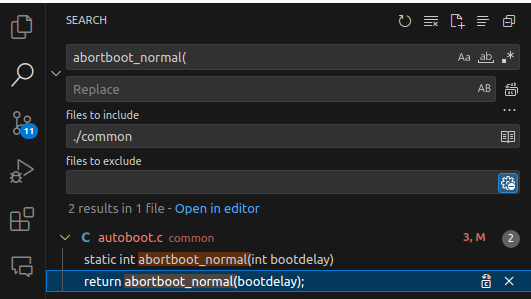
## Direct control of source

### Find what function prints this





### Trace back the found function



### Add the feature

Run this function below autoboot\_command() in common/main.c

|  |
| --- |
| **void** blink\_LED() {  int i=0, gpio\_value=1;  **for**(i=0; i<10; i++){  printf("hello \n");  // # Use the device driver functions of the GPIO  // gpio\_request(4, "cmd\_gpio");  // gpio\_request(5, "cmd\_gpio");  // gpio\_direction\_output(4, gpio\_value);  // gpio\_direction\_output(5, gpio\_value);  // gpio\_value=!gpio\_value;  // # Bit control  \*(char\*)0xc001a000 ^= 1 << 4;  \*(char\*)0xc001a000 ^= 1 << 5;  mdelay(100);  }  } |