在库开发指南触摸画板章节教程中，初始化触摸函数会去写入一遍屏幕触摸芯片参数。

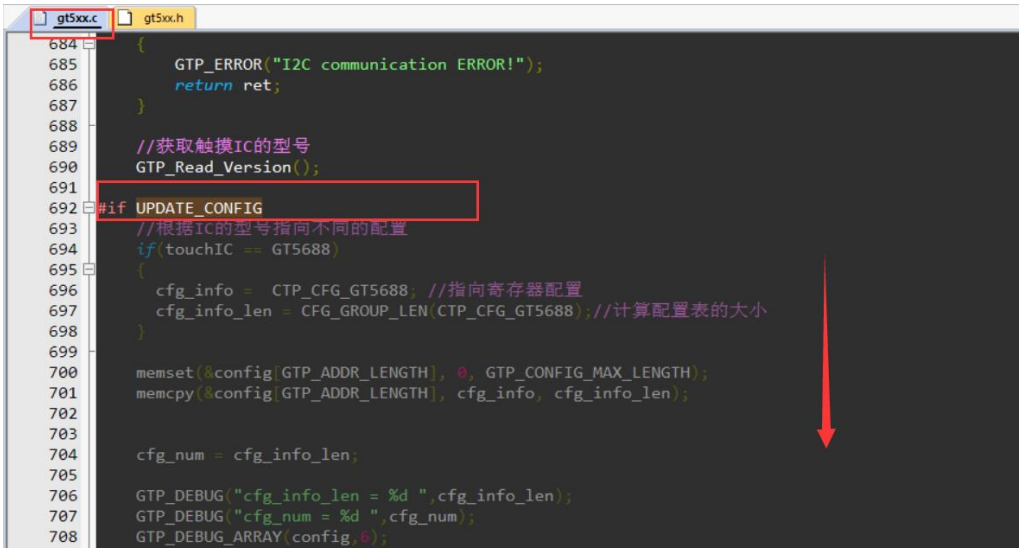
5、7、4.5 寸等等屏幕触摸芯片本身已保存好合适的参数，但是触摸芯片厂商对同型号不同批次芯片使用的参数不同。因此在不确定芯片参数的情况下，屏幕触摸和 emWin 相关程序都已经改为**默认不要重复写入参数，其他部分不影响。**

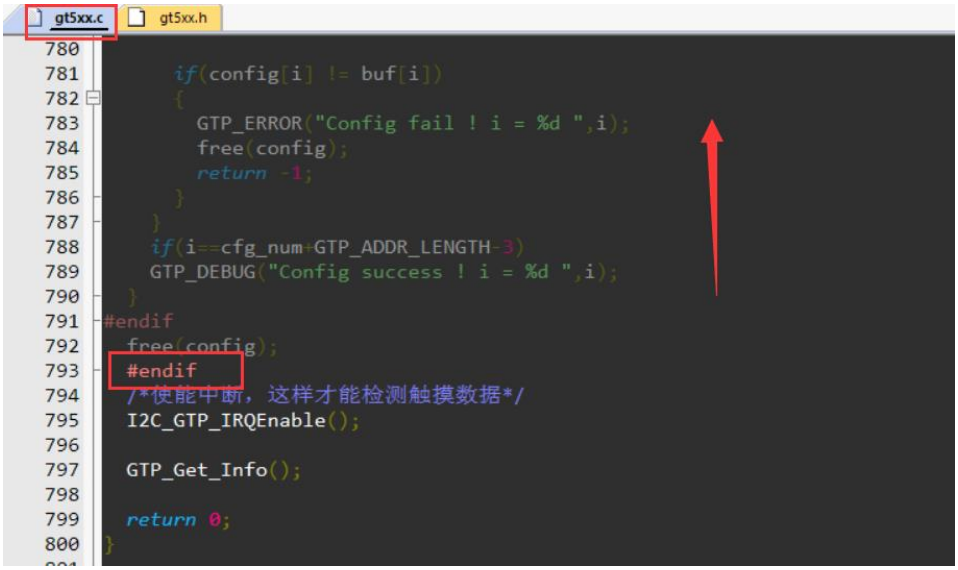
旧 5 寸屏幕使用 GT9157 触摸芯片，新 5 寸屏幕使用 GT917S 芯片，改后的程序中已经包含两个型号的识别，同样也是默认不重复写入参数。

已经修改好的程序如下：（以 F4 工程截图举例，其他芯片工程都一致）

g5xx.h 中添加一个控制是否更新配置的宏。

在 gt5xx.c GTP_Init_Panel 函数中 由宏控制的条件编译部分，默认不参与编译，不执行更新过程。





如果是自己以前写的触摸或者 emWin 相关程序用最近买的电容屏幕，请参考上面意思改为默认不要重复写入配置，其他部分不影响。

如果是下载了旧的资料程序，或者自己程序运行后把不对应的参数覆盖写入了，触摸已经乱了，按照下面的说明尝试。

下载最新资料后，打开库开发指南的 **电容触摸屏-触摸画板** 例程

在 gt5xx.h　更新宏改 1

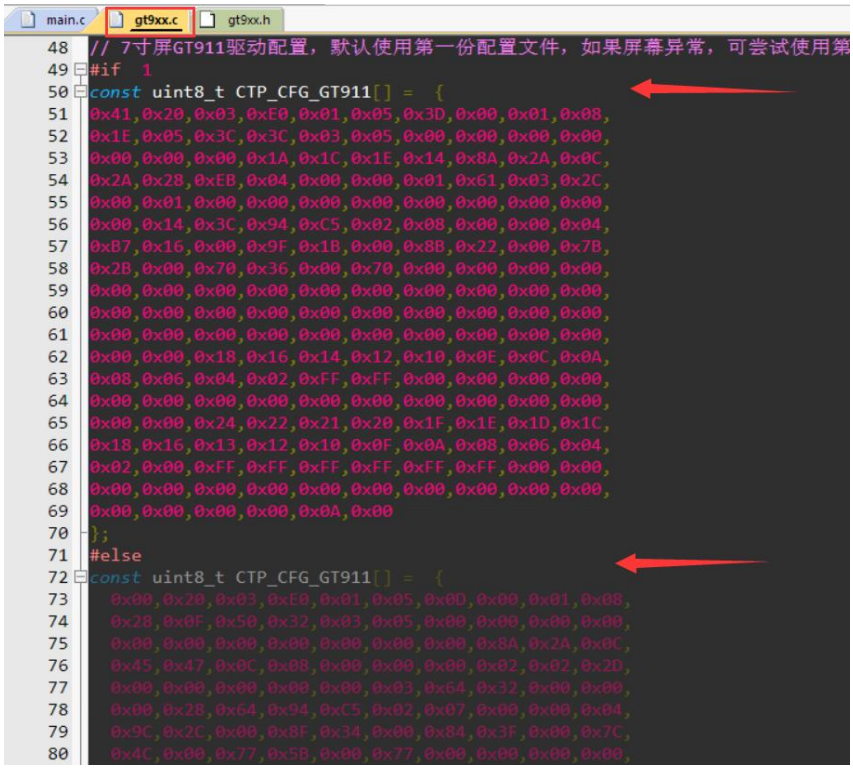
5 寸屏幕用过的两种触摸芯片配置只有一种，所以 **5 寸屏幕只要改了 UPDATE_CONFIG 为 1 重新编译下载即可。**

7 寸的 GT911 和 4.5 寸的 GT5688 有多组配置，打开 gt9xx.c 看到文件上面部分有定义对应触摸芯片的配置数组。

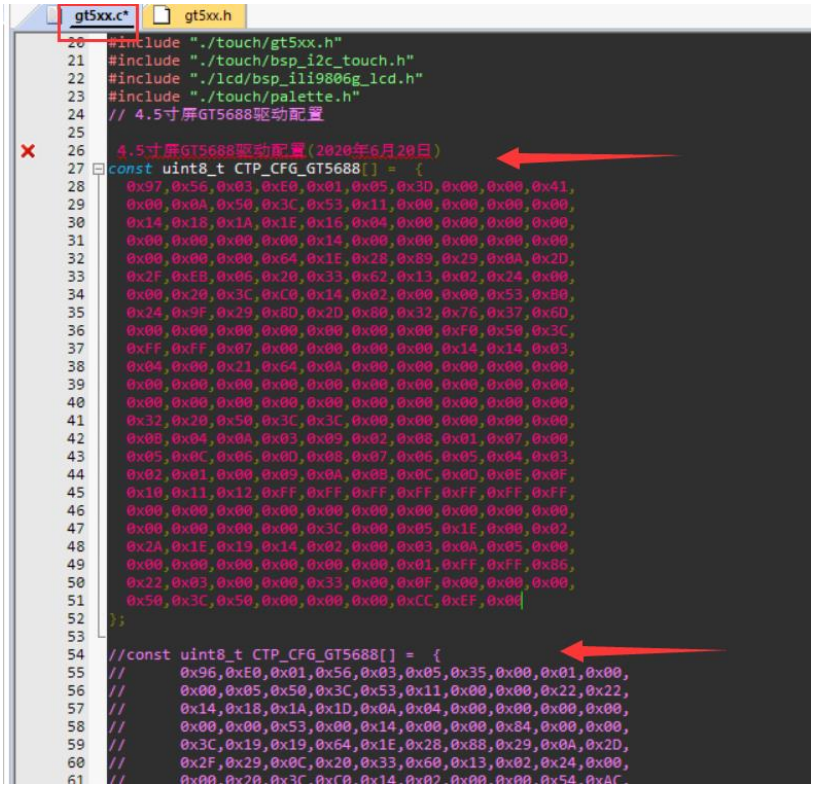
改UPDATE_CONFIG 为1后重新编译下载先试其中一个配置，如果不行则注释掉试过的数组，取消另一数组的注释再重新编译下载。

试的某个可以时，记录下来或者改到自己的程序，重新写入正确之后也改回默认不要重新写入。

GT911



GT5688



下面列出 GT911 和 GT5688 的可以尝试的数组，如果有的工程里面的数组不全或者不行，从下面复制到程序试。

GT911

```
//1
// 7 寸屏 GT911 驱动配置 2017-5
const uint8_t CTP_CFG_GT911[] =  {
    0x00,0x20,0x03,0xE0,0x01,0x05,0x3D,0x00,0x01,0x48,
    0x28,0x0D,0x50,0x32,0x03,0x05,0x00,0x00,0x00,0x00,
    0x00,0x00,0x00,0x18,0x1A,0x1E,0x14,0x8A,0x2A,0x0C,
    0x30,0x38,0x31,0x0D,0x00,0x00,0x02,0xB9,0x03,0x2D,
    0x00,0x00,0x00,0x00,0x00,0x03,0x64,0x32,0x00,0x00,
    0x00,0x1D,0x41,0x94,0xC5,0x02,0x07,0x00,0x00,0x04,
    0xA5,0x1F,0x00,0x94,0x25,0x00,0x88,0x2B,0x00,0x7D,
    0x33,0x00,0x74,0x3C,0x00,0x74,0x00,0x00,0x00,0x00,
    0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
    0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
    0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
```

```
    0x00,0x00,0x18,0x16,0x14,0x12,0x10,0x0E,0x0C,0x0A,
    0x08,0x06,0x04,0x02,0xFF,0xFF,0x00,0x00,0x00,0x00,
    0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
    0x00,0x00,0x24,0x22,0x21,0x20,0x1F,0x1E,0x1D,0x1C,
    0x18,0x16,0x13,0x12,0x10,0x0F,0x0A,0x08,0x06,0x04,
    0x02,0x00,0xFF,0xFF,0xFF,0xFF,0xFF,0xFF,0x00,0x00,
    0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
    0x00,0x00,0x00,0x00,0x11,0x01
};


//2
const uint8_t CTP_CFG_GT911[] =   {
0x41,0x20,0x03,0xE0,0x01,0x05,0x3D,0x00,0x01,0x08,
0x1E,0x05,0x3C,0x3C,0x03,0x05,0x00,0x00,0x00,0x00,
0x00,0x00,0x00,0x1A,0x1C,0x1E,0x14,0x8A,0x2A,0x0C,
0x2A,0x28,0xEB,0x04,0x00,0x00,0x01,0x61,0x03,0x2C,
0x00,0x01,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
0x00,0x14,0x3C,0x94,0xC5,0x02,0x08,0x00,0x00,0x04,
0xB7,0x16,0x00,0x9F,0x1B,0x00,0x8B,0x22,0x00,0x7B,
0x2B,0x00,0x70,0x36,0x00,0x70,0x00,0x00,0x00,0x00,
0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
0x00,0x00,0x18,0x16,0x14,0x12,0x10,0x0E,0x0C,0x0A,
0x08,0x06,0x04,0x02,0xFF,0xFF,0x00,0x00,0x00,0x00,
0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
0x00,0x00,0x24,0x22,0x21,0x20,0x1F,0x1E,0x1D,0x1C,
0x18,0x16,0x13,0x12,0x10,0x0F,0x0A,0x08,0x06,0x04,
0x02,0x00,0xFF,0xFF,0xFF,0xFF,0xFF,0xFF,0x00,0x00,
0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
0x00,0x00,0x00,0x00,0x0A,0x00
};


//3
const uint8_t CTP_CFG_GT911[] =   {
    0x00,0x20,0x03,0xE0,0x01,0x05,0x0D,0x00,0x01,0x08,
    0x28,0x0F,0x50,0x32,0x03,0x05,0x00,0x00,0x00,0x00,
    0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x8A,0x2A,0x0C,
    0x45,0x47,0x0C,0x08,0x00,0x00,0x00,0x02,0x02,0x2D,
    0x00,0x00,0x00,0x00,0x00,0x03,0x64,0x32,0x00,0x00,
    0x00,0x28,0x64,0x94,0xC5,0x02,0x07,0x00,0x00,0x04,
    0x9C,0x2C,0x00,0x8F,0x34,0x00,0x84,0x3F,0x00,0x7C,
```

```
    0x4C,0x00,0x77,0x5B,0x00,0x77,0x00,0x00,0x00,0x00,
    0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
    0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
    0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
    0x00,0x00,0x18,0x16,0x14,0x12,0x10,0x0E,0x0C,0x0A,
    0x08,0x06,0x04,0x02,0xFF,0xFF,0x00,0x00,0x00,0x00,
    0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
    0x00,0x00,0x16,0x18,0x1C,0x1D,0x1E,0x1F,0x20,0x21,
    0x22,0x24,0x13,0x12,0x10,0x0F,0x0A,0x08,0x06,0x04,
    0x02,0x00,0xFF,0xFF,0xFF,0xFF,0xFF,0xFF,0x00,0x00,
    0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
    0x00,0x00,0x00,0x00,0x24,0x01
};
```

GT5688

```
//1
//4.5´çÆÁGT5688Çý¶¯ÅäÖÃ(2020Äê6ÔÂ20ÈÕ)
const uint8_t CTP_CFG_GT5688[] =   {
    0x97,0x56,0x03,0xE0,0x01,0x05,0x3D,0x00,0x00,0x41,
    0x00,0x0A,0x50,0x3C,0x53,0x11,0x00,0x00,0x00,0x00,
    0x14,0x18,0x1A,0x1E,0x16,0x04,0x00,0x00,0x00,0x00,
    0x00,0x00,0x00,0x00,0x14,0x00,0x00,0x00,0x00,0x00,
    0x00,0x00,0x00,0x64,0x1E,0x28,0x89,0x29,0x0A,0x2D,
    0x2F,0xEB,0x06,0x20,0x33,0x62,0x13,0x02,0x24,0x00,
    0x00,0x20,0x3C,0xC0,0x14,0x02,0x00,0x00,0x53,0xB0,
    0x24,0x9F,0x29,0x8D,0x2D,0x80,0x32,0x76,0x37,0x6D,
    0x00,0x00,0x00,0x00,0x00,0x00,0x00,0xF0,0x50,0x3C,
    0xFF,0xFF,0x07,0x00,0x00,0x00,0x00,0x14,0x14,0x03,
    0x04,0x00,0x21,0x64,0x0A,0x00,0x00,0x00,0x00,0x00,
    0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
    0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
    0x32,0x20,0x50,0x3C,0x3C,0x00,0x00,0x00,0x00,0x00,
    0x0B,0x04,0x0A,0x03,0x09,0x02,0x08,0x01,0x07,0x00,
    0x05,0x0C,0x06,0x0D,0x08,0x07,0x06,0x05,0x04,0x03,
    0x02,0x01,0x00,0x09,0x0A,0x0B,0x0C,0x0D,0x0E,0x0F,
    0x10,0x11,0x12,0xFF,0xFF,0xFF,0xFF,0xFF,0xFF,0xFF,
    0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
    0x00,0x00,0x00,0x00,0x3C,0x00,0x05,0x1E,0x00,0x02,
    0x2A,0x1E,0x19,0x14,0x02,0x00,0x03,0x0A,0x05,0x00,
```

```
    0x00,0x00,0x00,0x00,0x00,0x00,0x01,0xFF,0xFF,0x86,
    0x22,0x03,0x00,0x00,0x33,0x00,0x0F,0x00,0x00,0x00,
    0x50,0x3C,0x50,0x00,0x00,0x00,0xCC,0xEF,0x00
};


//2
const uint8_t CTP_CFG_GT5688[] =    {
                0x96,0xE0,0x01,0x56,0x03,0x05,0x35,0x00,0x01,0x00,
                0x00,0x05,0x50,0x3C,0x53,0x11,0x00,0x00,0x22,0x22,
                0x14,0x18,0x1A,0x1D,0x0A,0x04,0x00,0x00,0x00,0x00,
                0x00,0x00,0x53,0x00,0x14,0x00,0x00,0x84,0x00,0x00,
                0x3C,0x19,0x19,0x64,0x1E,0x28,0x88,0x29,0x0A,0x2D,
                0x2F,0x29,0x0C,0x20,0x33,0x60,0x13,0x02,0x24,0x00,
                0x00,0x20,0x3C,0xC0,0x14,0x02,0x00,0x00,0x54,0xAC,
                0x24,0x9C,0x29,0x8C,0x2D,0x80,0x32,0x77,0x37,0x6E,
                0x00,0x00,0x00,0x00,0x00,0x00,0x00,0xF0,0x50,0x3C,
                0xFF,0xFF,0x07,0x00,0x00,0x00,0x02,0x14,0x14,0x03,
                0x04,0x00,0x21,0x64,0x0A,0x00,0x00,0x00,0x00,0x00,
                0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
                0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
                0x32,0x20,0x50,0x3C,0x3C,0x00,0x00,0x00,0x00,0x00,
                0x0D,0x06,0x0C,0x05,0x0B,0x04,0x0A,0x03,0x09,0x02,
                0xFF,0xFF,0xFF,0xFF,0x00,0x01,0x02,0x03,0x04,0x05,
                0x06,0x07,0x08,0x09,0x0A,0x0B,0x0C,0x0D,0x0E,0x0F,
                0x10,0xFF,0xFF,0xFF,0xFF,0xFF,0xFF,0xFF,0xFF,0xFF,
                0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
                0x00,0x00,0x00,0x00,0x3C,0x00,0x05,0x1E,0x00,0x02,
                0x2A,0x1E,0x19,0x14,0x02,0x00,0x03,0x0A,0x05,0x00,
                0x00,0x00,0x00,0x00,0x00,0x00,0x01,0xFF,0xFF,0x86,
                0x22,0x03,0x00,0x00,0x33,0x00,0x0F,0x00,0x00,0x00,
                0x50,0x3C,0x50,0x00,0x00,0x00,0x1A,0x64,0x01

};
```