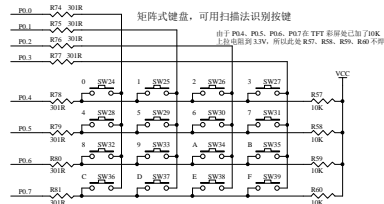


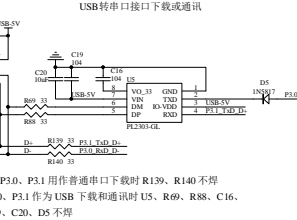
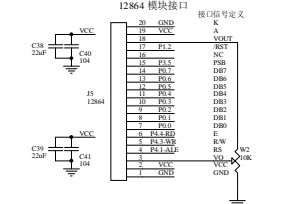
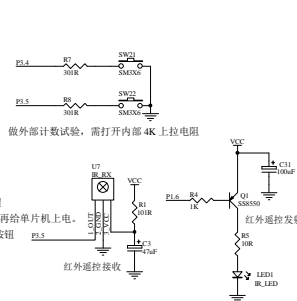
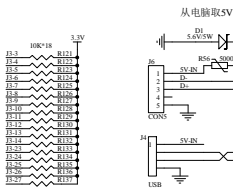
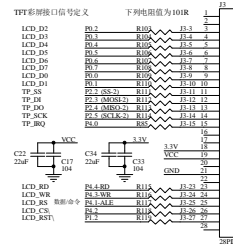
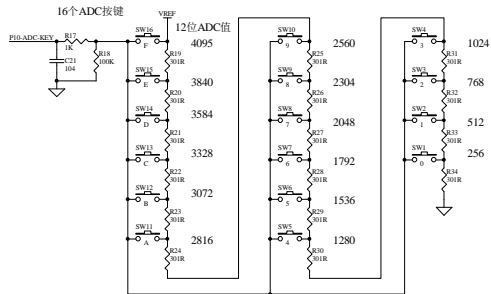
| | | | |
|-----------|----|----|-------------|
| P2.2.B0M | 1 | 41 | P00-ADC-KEY |
| P2.2.VD0 | 2 | 42 | P00 |
| P2.2.ADC1 | 3 | 43 | P00 |
| P2.2 | 4 | 44 | P00 |
| P2.2.ADC1 | 5 | 45 | P00 |
| P2.2.A | 6 | 46 | P00 |
| P2.2.B | 7 | 47 | P00 |
| P2.2.C | 8 | 48 | P00 |
| P2.2.D | 9 | 49 | P00 |
| P2.2.E | 10 | 50 | P00 |
| P2.2.F | 11 | 51 | P00 |
| P2.2.G | 12 | 52 | P00 |
| P2.2.H | 13 | 53 | P00 |
| P2.2.I | 14 | 54 | P00 |
| P2.2.J | 15 | 55 | P00 |
| P2.2.K | 16 | 56 | P00 |
| P2.2.L | 17 | 57 | P00 |
| P2.2.M | 18 | 58 | P00 |
| P2.2.N | 19 | 59 | P00 |
| P2.2.O | 20 | 60 | P00 |
| P2.2.P | 21 | 61 | P00 |
| P2.2.Q | 22 | 62 | P00 |
| P2.2.R | 23 | 63 | P00 |
| P2.2.S | 24 | 64 | P00 |
| P2.2.T | 25 | 65 | P00 |
| P2.2.U | 26 | 66 | P00 |
| P2.2.V | 27 | 67 | P00 |
| P2.2.W | 28 | 68 | P00 |
| P2.2.X | 29 | 69 | P00 |
| P2.2.Y | 30 | 70 | P00 |
| P2.2.Z | 31 | 71 | P00 |
| P2.2 | 32 | 72 | P00 |

STC大学计划实验箱 8.4 原理图
2021-05-18



如果使用单片机片外总线就不要使用上图的P0口行列矩阵按键扫描电路，改用下图的ADC按键检测电路

读ADC键方法：
每隔10ms左右读一次ADC值，并且保存最后3次的读数，其变化比较小时再判断。
判断键有效时，允许一定的偏差，比如正负16个字的偏差。



P3.0、P3.1 用作普通串口下载时 R139、R140 不焊
P3.0、P3.1 作为 USB 下载和通讯时 U5、R69、R88、C16、C19、C20、D5 不焊