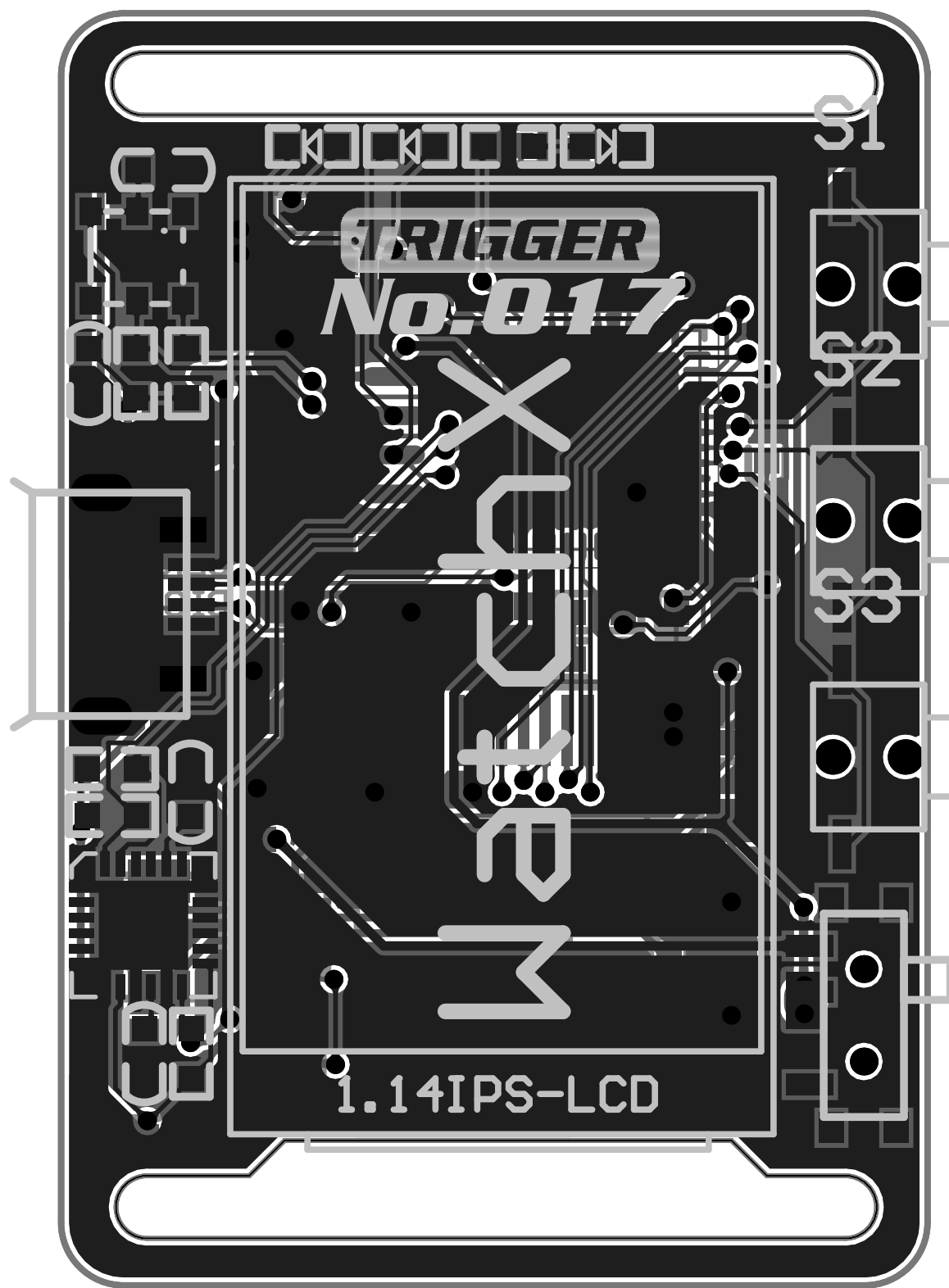


| Title | | |
|----------------------------------|-----------|----------|
| Size A3 | Number | Revision |
| Date: 2020/6/6 | Sheet of | |
| File: G:\DESIGN\WatchX.SchDoc | Drawn By: | |



| Comment | Description | Designator | Footprint | LibRef | Quantity |
|---------------|--|--------------------------------------|-----------------------|-----------------|----------|
| 106 | | C1, C2 | 电容_C0805 | cap | 2 |
| 106 | | C3, C4 | 电容_C0603 | cap | 2 |
| 22uf | | C5, C6 | 电容_C1206 | cap | 2 |
| 10uf | | C8, C10 | 电容_C0603 | cap | 2 |
| 104 | | C9, C18, C19, C22 | 电容_C0603 | cap | 4 |
| 4.7uF | | C11, C21 | 电容_C0603 | cap | 2 |
| 1uF | | C12, C13, C14, C15 | 电容_C0603 | cap | 4 |
| 22pf | | C16, C17, C24, C25 | 电容_C0603 | cap | 4 |
| 2.2nF | | C20 | 电容_C0603 | cap | 1 |
| 105 | | C23 | 电容_C0603 | cap | 1 |
| red | | D1, D3 | LED_0603 | LED | 2 |
| green | | D2 | LED_0603 | LED | 1 |
| 1.5uH | | L1 | 变压器电感_0420 | Inductor Iron 2 | 1 |
| MICRO USB | | P1 | 接插件_MICRO 牛角插座 USB 卷边 | MICRO USB 5PIN | 1 |
| GND | | Pad1 | Pad_A | Pad | 1 |
| BAT | | Pad2 | Pad_A | Pad | 1 |
| S8050 | | Q1 | 三极管_SOT-23 | Triode-NPN | 1 |
| 2k | | R1, R3, R4 | 电阻_R0603 | Res | 3 |
| 1.2k | | R2 | 电阻_R0603 | Res | 1 |
| 10K | | R5, R9, R10, R11, R12, R18, R20, R21 | 电阻_R0603 | Res | 8 |
| 470K | | R6 | 电阻_R0603 | Res | 1 |
| 100k | | R7 | 电阻_R0603 | Res | 1 |
| 150K | | R8 | 电阻_R0603 | Res | 1 |
| 1K | | R13, R17 | 电阻_R0603 | Res | 2 |
| 4.7K | | R14, R15 | 电阻_R0603 | Res | 2 |
| 10R | | R16 | 电阻_R0603 | Res | 1 |
| 1R | | R19 | 电阻_R0603 | Res | 1 |
| SW-PB | 按键 | S1, S2, S3 | KEY_3.5*4.7 | SW-PB | 3 |
| SPDT | 开关-两档 | SW1 | MSS3-Q-T/R | SW_SPDT | 1 |
| TP4056 | | U1 | SOP8 | TP4056 | 1 |
| TPS63070 | 降压-升压转换器 | U2 | VQFN-15-HR | TPS63070 | 1 |
| STM32F401CCU6 | ARM Cortex-M4 32-bit MCU+FPU, 105 DMIPS, 256 kB Flash, 64 kB Internal RAM, 36 I/Os, 48-pin UQFPN, -40 to 85 degC, Tray | U3 | STM-UQFPN48_N | STM32F401CCU6 | 1 |
| MPU-6050 | | U4 | 陀螺仪_QFN24 | MPU-6050 | 1 |
| IPS-LCD | IPS-LCD-1.14寸裸屏 spi接口 | U5 | 1.14IPS-LCD | IPS-LCD-1.14 | 1 |
| BMP180 | 数字气压传感器 | U*1 | LGA-7 | BMP180 | 1 |
| XTAL | | Y1 | 晶振_2016 | XTAL | 1 |
| 32.768K | | Y2 | 晶振_3215 | XTAL_A | 1 |
| | | | | | |