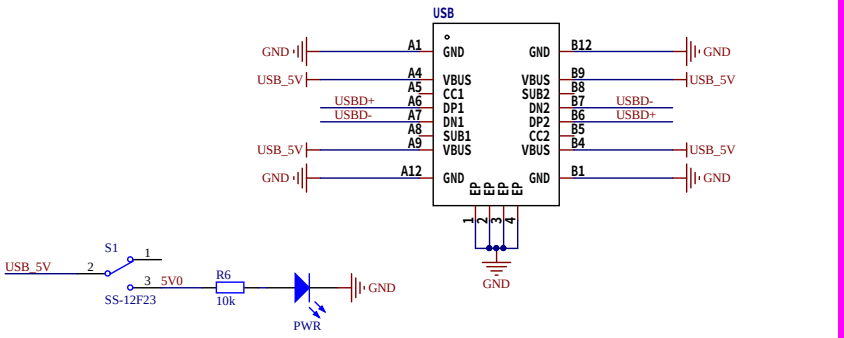
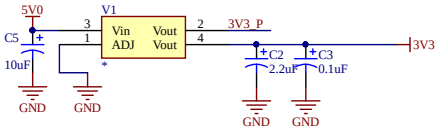
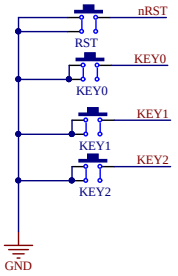
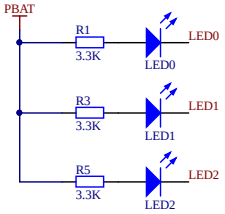
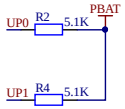


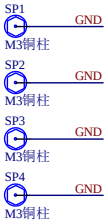

# 电源电路

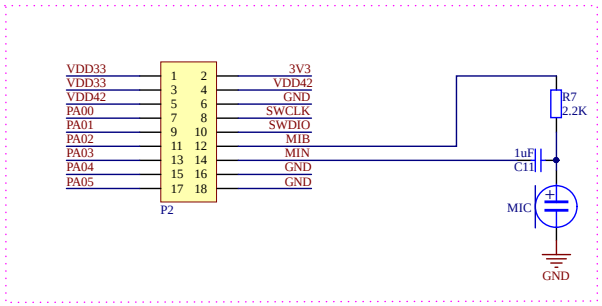


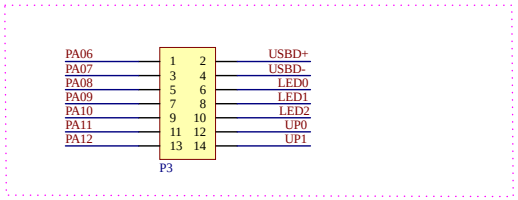



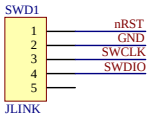



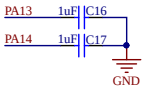

# 按键、灯

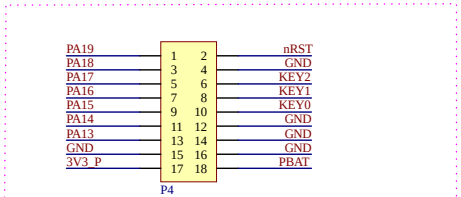


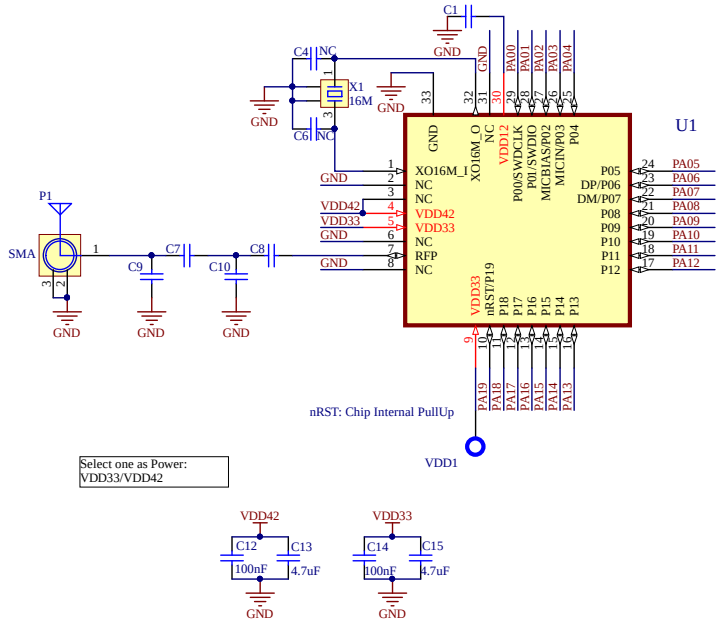



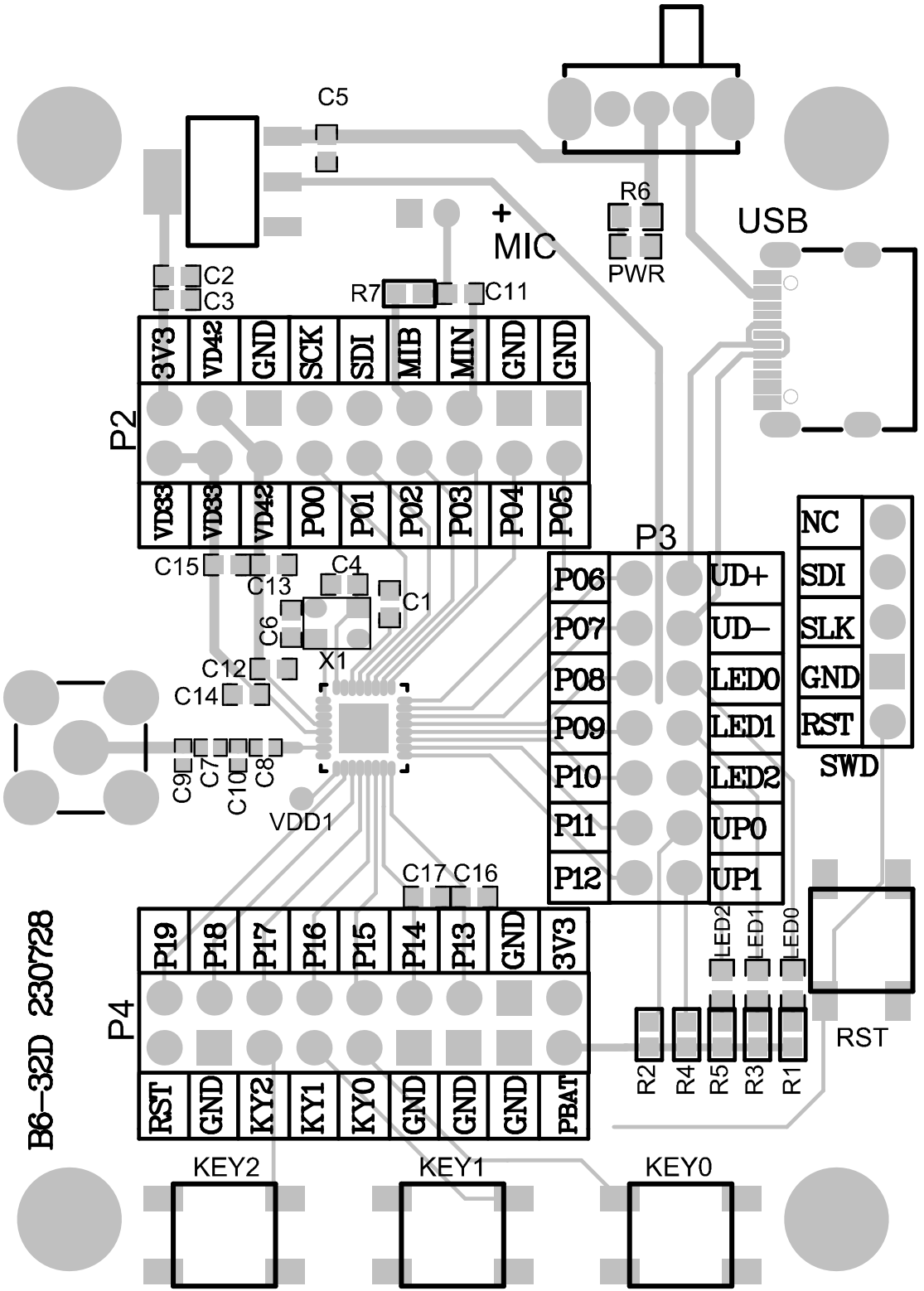

# 接口电路

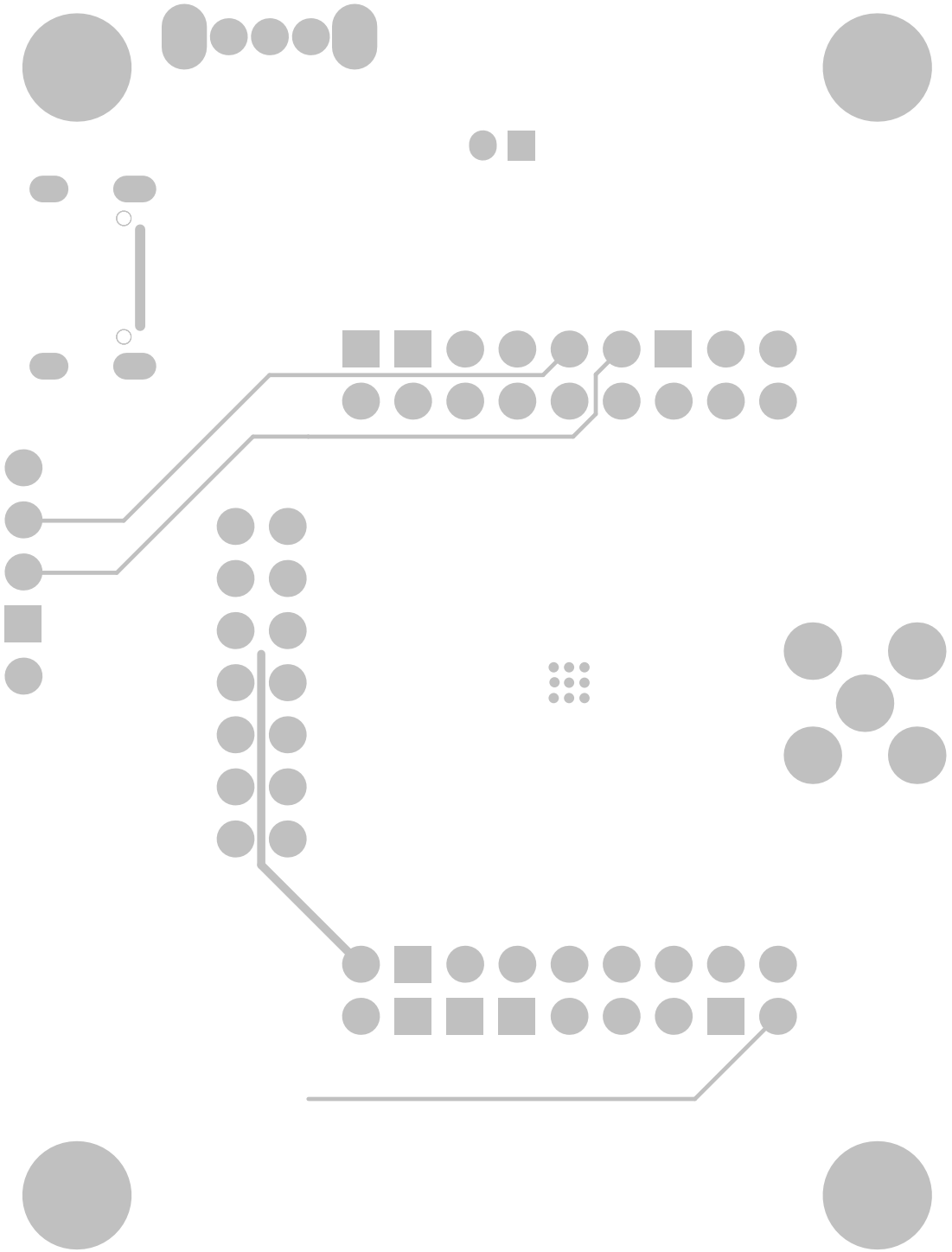



# MCU核

**V1.1** 初版
**1.**删除**VDD50**

# 修改说明


C5
+
MIC
R6
PWR
USB
C2
C3
R7
C11
P2
3V3
VD42
GND
SCK
SDI
MIB
MIN
GND
GND
VD33
VD33
VD42
P00
P01
P02
P03
P04
P05
C15
C13
C4
C1
C6
X1
C12
C14
C9
C7
C10
C8
VDD1
P3
P06
P07
P08
P09
P10
P11
P12
UD+
UD-
LED0
LED1
LED2
UP0
UP1
NC
SDI
SLK
GND
RST
SWD
C17
C16
P4
P19
P18
P17
P16
P15
P14
P13
GND
3V3
RST
GND
KY2
KY1
KY0
GND
GND
GND
PBAT
LED2
LED1
LED0
R2
R4
R5
R3
R1
RST
KEY2
KEY1
KEY0
B6-32D 230728



# Component list

## Bill of Materials for Project [B6_32D_20230728.PrjPcb] (No PCB Document Selected)

**Source Data From:** B6_32D_20230728.PrjPcb
**Project:** B6_32D_20230728.PrjPcb
**Variant:** None

Report Date: 2023/7/29 12:34
Print Date: 29-Jul-23 12:34:50 PM

| # | Designator | LibRef | umn Name Error:' Manufactu | Description | Footprint | Library Name | Comment | Quantity |
|---|---|---|---|---|---|---|---|---|
| 1 | C1, C4, C6 | Cap | | Capacitor (Semiconductor SIM Model) | C0603 | HYBXX_Dragon.IntLib | NC | 3 |
| 2 | C2 | Cap Pol3 | | Polarized Capacitor (Surface Mount) | C0603 | HYBXX_Dragon.PcbLib | 2.2uF | 1 |
| 3 | C3 | Cap Pol3 | | Polarized Capacitor (Surface Mount) | C0603 | HYBXX_Dragon.PcbLib | 0.1uF | 1 |
| 4 | C5 | Cap Pol3 | | Polarized Capacitor (Surface Mount) | C0603 | HYBXX_Dragon.PcbLib | 10uF | 1 |
| 5 | C7, C8, C9, C10 | Cap | | Capacitor (Semiconductor SIM Model) | C0402 | HYBXX_Dragon.IntLib | 0 | 4 |
| 6 | C11, C16, C17 | Cap | | Capacitor (Semiconductor SIM Model) | C0603 | HYBXX_Dragon.IntLib | 1uF | 3 |
| 7 | C12, C14 | Cap, Cap Semi | | Capacitor (Semiconductor SIM Model) | C0603 | HYBXX_Dragon.IntLib, Miscellaneous Devices.IntLib | 100nF | 2 |
| 8 | C13, C15 | Cap | | Capacitor (Semiconductor SIM Model) | C0603 | HYBXX_Dragon.IntLib | 4.7uF | 2 |
| 9 | KEY0, KEY1, KEY2, RST | TSW SMD-6x6 | | 贴片6x6轻触开关 | SW-SMD | 0.7 - 常用按键-开关.SchLib | 6x6x5 | 4 |
| 10 | LED0, LED1, LED2, PWR | LED | | 发光二极管 | LED_0603 | HYBXX_Dragon.IntLib | | 4 |
| 11 | MIC | MIC1 | | 电容麦克风 | MIC-6*5.5mm | 1.2 - 传感元件.SchLib | MIC-6*5mm | 1 |
| 12 | P1 | SMA | | SMA-2.4G射频天线接口 | SMA-KE-LI | 1.8 - WiFi天线-SMA射频座.SchLib | SMA | 1 |
| 13 | P2, P4 | Header 9X2 | | 9*2P接插件 | HDR2.54-LI-2x9P | 5.3 - 接插件-脚距2.54 (100mil) .SchLib | Header 2X11 | 2 |
| 14 | P3 | Header 7X2 | | 7*2P接插件 | HDR2.54-LI-2x7P | 5.3 - 接插件-脚距2.54 (100mil) .SchLib | Header 2X7 | 1 |
| 15 | R1, R3, R5 | Res | | 贴片电阻 | R 0603_L | HYBXX_Dragon.IntLib | 3.3K | 3 |
| 16 | R2, R4 | Res | | 贴片电阻 | R 0603_L | HYBXX_Dragon.IntLib | 5.1K | 2 |
| 17 | R6 | Res | | 贴片电阻 | RESC_0603 | HYBXX_Dragon.IntLib | 10k | 1 |
| 18 | R7 | Res | | 贴片电阻 | R 0603_L | HYBXX_Dragon.IntLib | 2.2K | 1 |
| 19 | S1 | SSW-1P | | 1路波动开关 | SK12D07VG3 | 0.7 - 常用按键-开关.SchLib | SS-12F23 | 1 |
| 20 | SP1, SP2, SP3, SP4 | 铜柱加头小焊盘 | | 铜柱 | M3x21+6_L | 4.1 - 未分类器件.SchLib | M3铜柱 | 4 |
| 21 | SWD1 | Header 5 | | Header, 5-Pin | HDR2.54-LI-5P | 5.3 - 接插件-脚距2.54 (100mil) .SchLib | JLINK | 1 |
| 22 | U1 | C1_QFN32 | | HY Dragon C 蓝牙芯片, QFN32_4x4 | QFN32L_0404x0.75-0.40 | HYBXX_Dragon.SchLib | C1_QFN32 | 1 |
| 23 | USB | KH-TYPE-C-16P | | 连接器类型:Type-C;标准:-;公母:母座;触点数量:16;端口数量:1;安装方式:卧贴;额定电流 - 电源:3A;工作温度范围:-40~+85; | USB-C-SMD_KH-TYPE-C-16P | | KH-TYPE-C-16P | 1 |
| 24 | V1 | AMS1117 | | LDO 可调节稳压芯片 | SOT223_L | HYBXX_Dragon.SchLib | | 1 |
| 25 | VDD1 | HOLE | | 定位孔 | TEST_PAD | HYBXX_Dragon.SchLib | HOLE | 1 |
| 26 | X1 | XTAL-4P | | 4脚无源晶振 | OSC3225-mini | 2.0 - 保险丝-晶振-光耦.SchLib | 16M | 1 |
| | | | | | | | | 48 |

**Approved**

**Notes**

| |
|---|
| **Project Full Path** |
| **Project Filename** |
| **Variant Name** |
| **Data-Source Filename** |
| **Data-Source Full Path** |
| **Title** |
| **Total Quantity** |
| **Report Time** |
| **Report Date** |
| **Report Date & Tine** |
| **Output Name** |
| **Output Type** |
| **Output Generator Name** |
| **Output Generator Description** |

| |
|---|
| Z:\DragonC\PCBs\C1\QFN32\01Developmentboard\2023-07-28\B6_32D_20230728.PrjPcb |
| B6_32D_20230728.PrjPcb |
| None |
| B6_32D_20230728.PrjPcb |
| Z:\DragonC\PCBs\C1\QFN32\01Developmentboard\2023-07-28\B6_32D_20230728.PrjPcb |
| Bill of Materials for Project [B6_32D_20230728.PrjPcb] (No PCB Document Selected) |
| 48 |
| 12:34 |
| 2023/7/29 |
| 2023/7/29 12:34 |
| Bill of Materials |
| BOM_PartType |
| BOM |
| Bill of Materials |