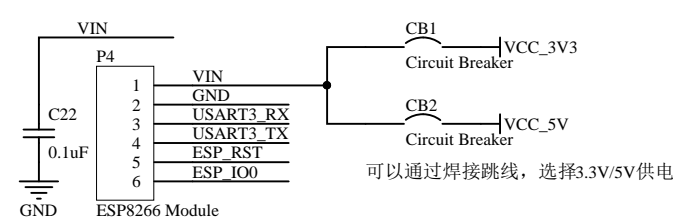
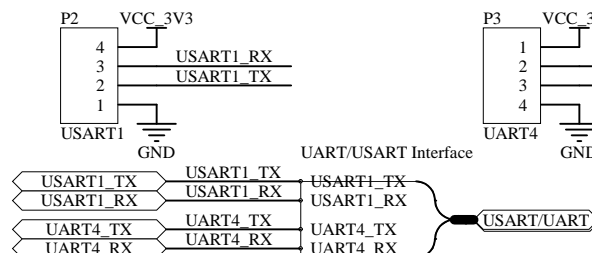
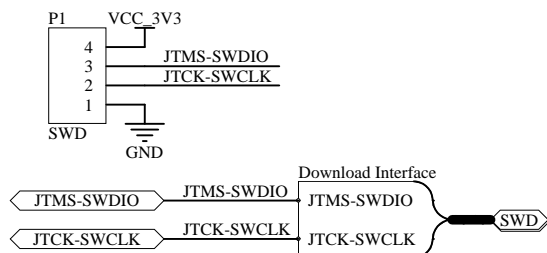
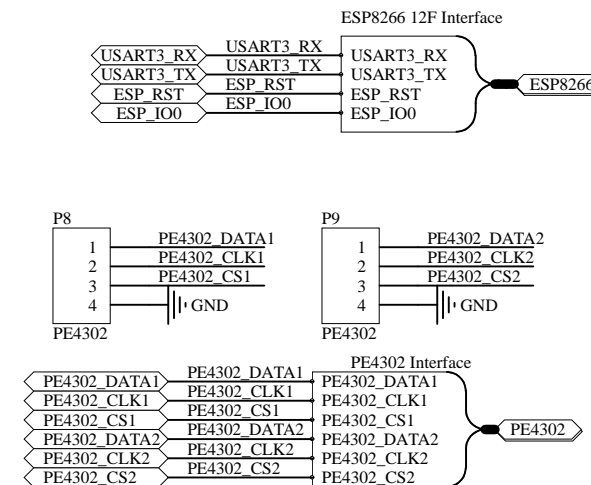
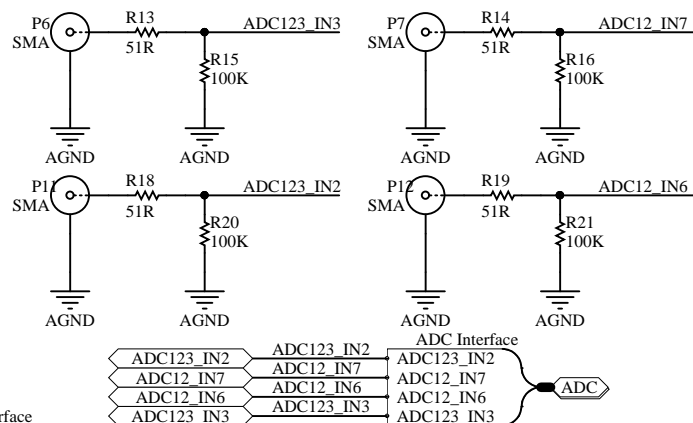
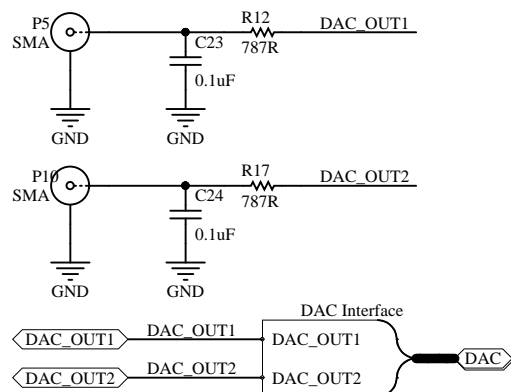


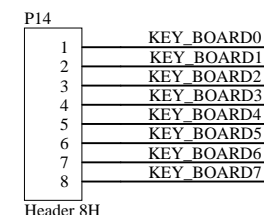
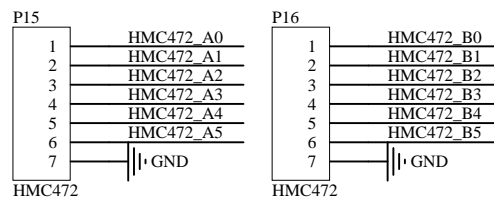
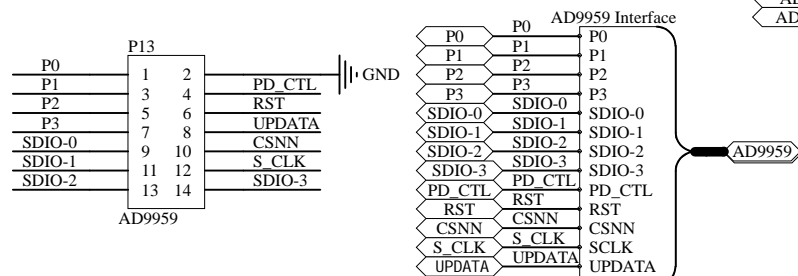
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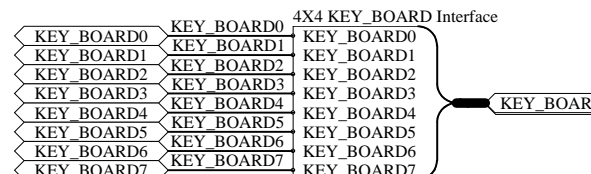
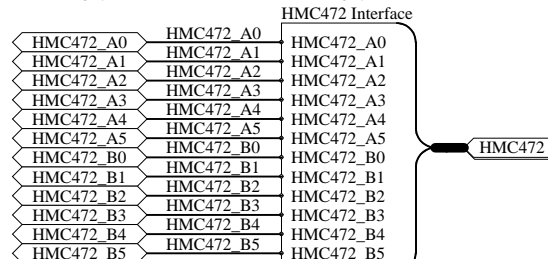
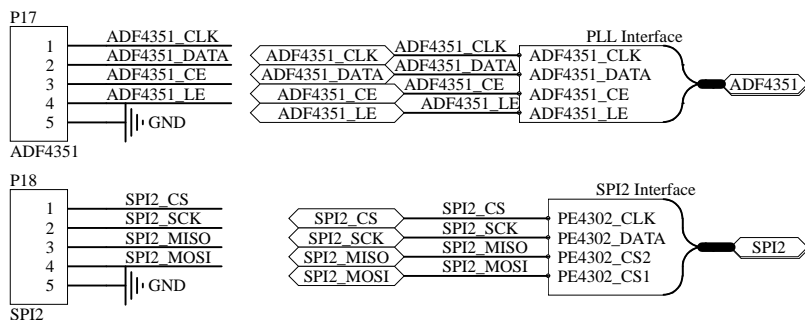
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C



D



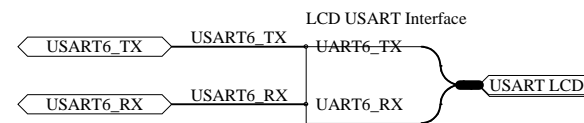
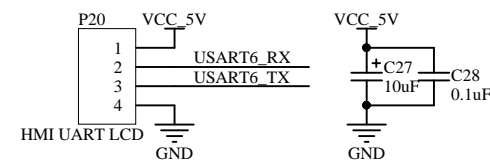
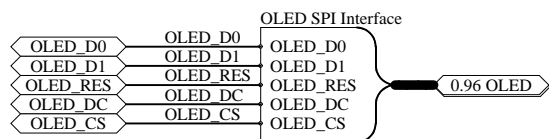
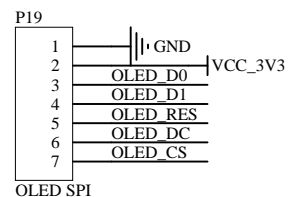
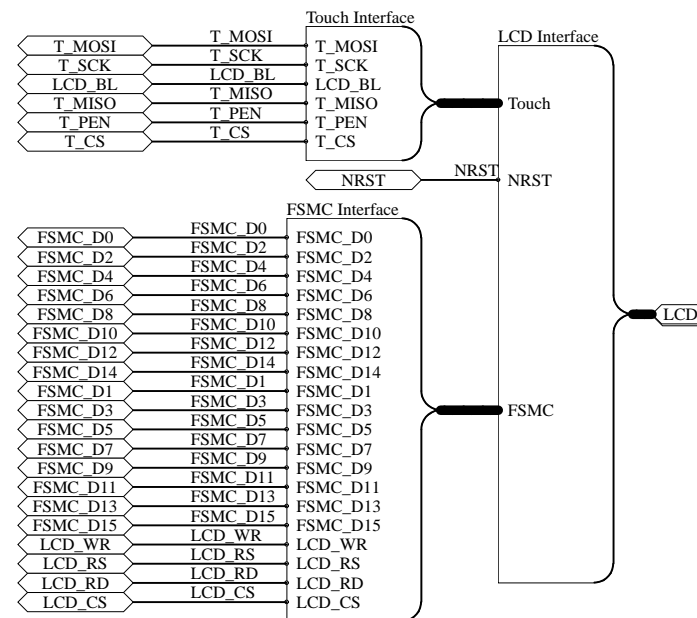
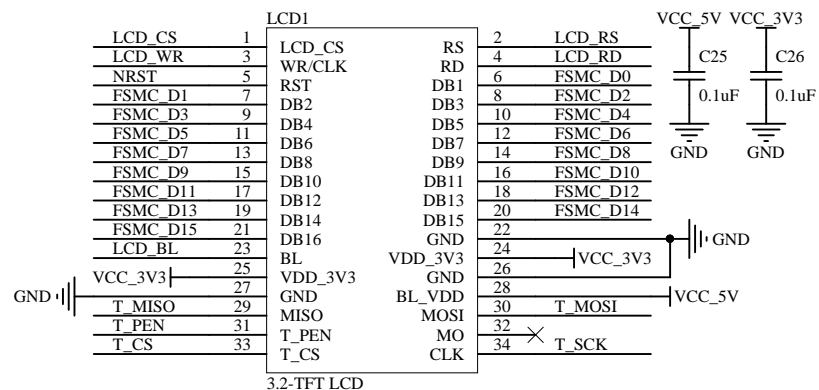
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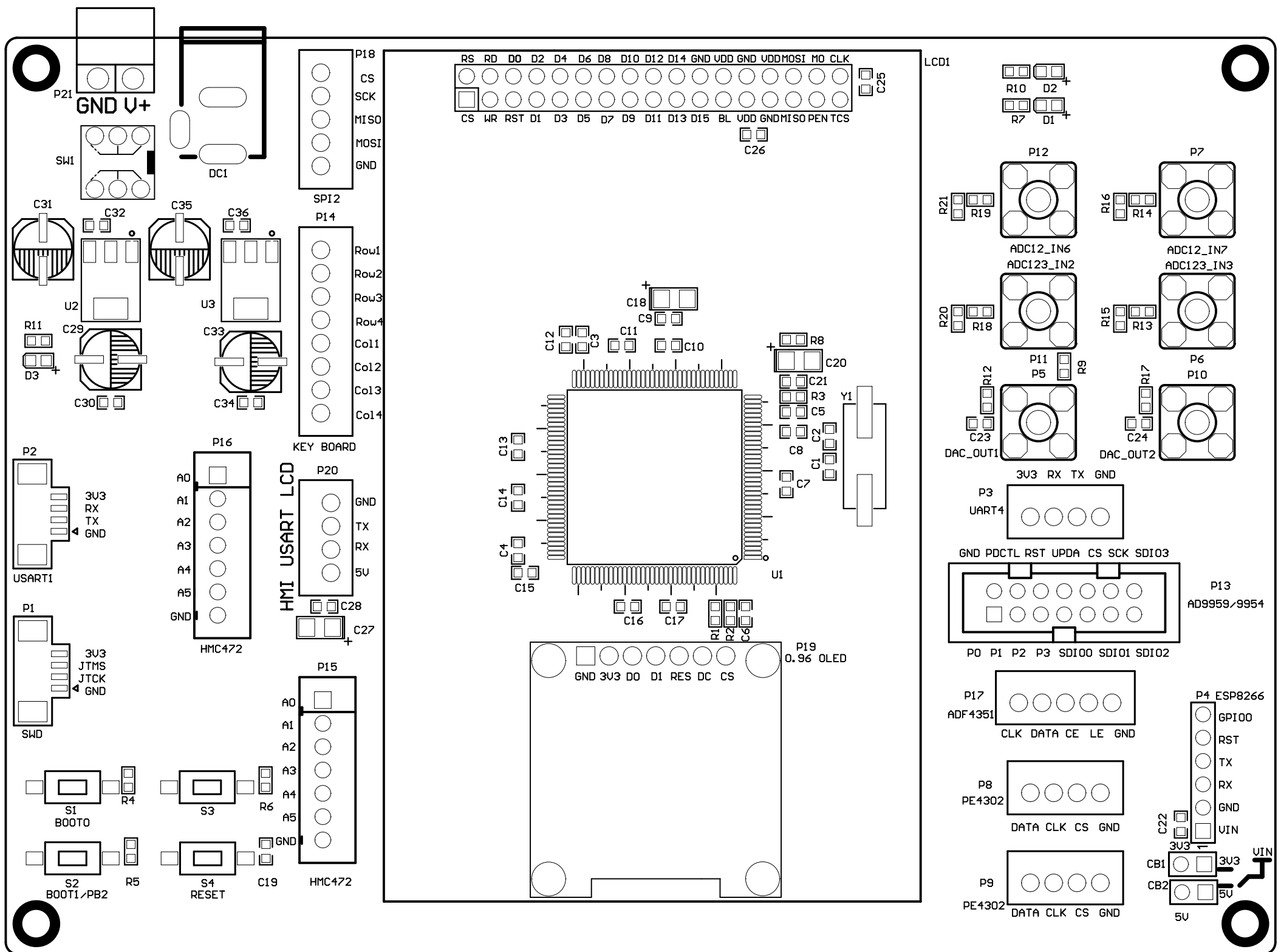
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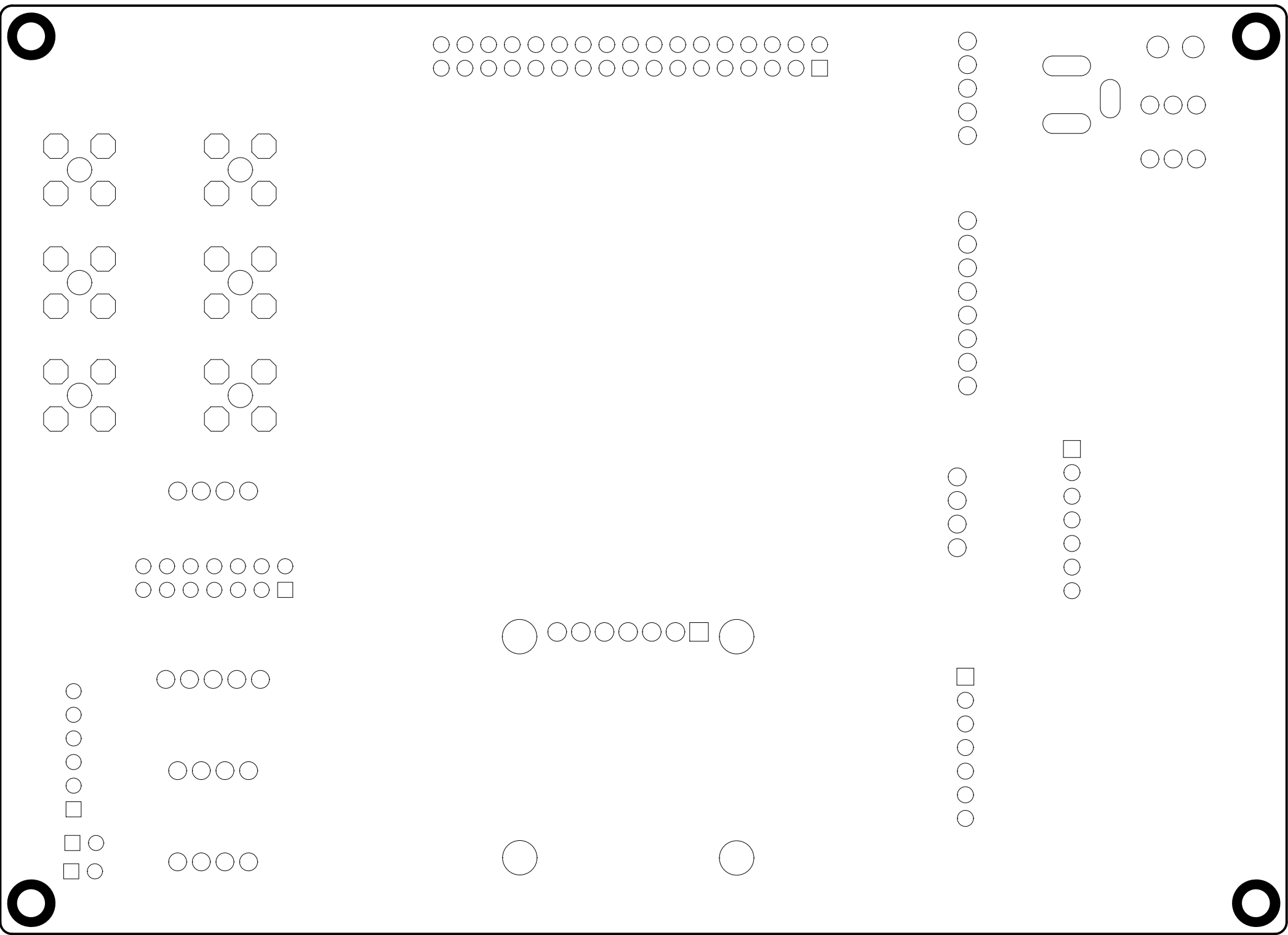
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| Size | Number | Revision |
| A4 | | |
| Date: | 2019/7/8 | Sheet of |
| File: | F:\宽帶放大器\03-Display.SchDoc | Drawn By: |





| Comment | Description | Designator | Footprint | LibRef | Quantity |
|-----------------|---|---|-------------------------|-----------------|----------|
| 22p | CAP CER 10000PF 100V X7R 0603 | C1, C2 | 0603C | Cap1 | 2 |
| 2.2uF | CAP CER 10000PF 100V X7R 0603 | C3, C4, C5 | 0603C | Cap1 | 3 |
| 0.1uF | CAP CER 10000PF 100V X7R 0603, Capacitor | C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C19, C21, C22, C23, C24, C25, C26, C28, C30, C32, C34, C36 | 0603C | Cap1, Cap | 24 |
| 10uF | CAP TANT 10UF 10V 10% 1206 | C18, C20, C27 | 1206T | Cap2 | 3 |
| 100uF | Polarized Capacitor (Radial) | C29, C31, C33, C35 | C_SMD(6.3x5.3) | Cap Pol1 | 4 |
| Circuit Breaker | Circuit Breaker | CB1, CB2 | CON20VP2R54- 1X2TM | Circuit Breaker | 2 |
| LED0 | Typical INFRARED GaAs LED | D1, D2, D3 | 0603D | LED0 | 3 |
| DC_5V | DC005 | DC1 | DC_POWER | DC_5V | 1 |
| 3.2-TFT LCD | | LCD1 | 3.2_LCD | 3.2-TFT LCD | 1 |
| SWD | Header, 4-Pin | P1 | 1.25PWT-4P | Header 4 | 1 |
| USART1 | Header, 4-Pin | P2 | 1.25PWT-4P | Header 4 | 1 |
| UART4 | Header, 4-Pin | P3 | XH_4 | Header 4 | 1 |
| ESP8266 Module | Header, 6-Pin | P4 | CON20VP2R54- 1X6TM | Header 6 | 1 |
| SMA | BNC Elbow Connector | P5, P6, P7, P10, P11, P12 | SMA-KE | BNC | 6 |
| PE4302 | Header, 4-Pin | P8, P9 | XH_4 | Header 4 | 2 |
| AD9959 | Header, 7-Pin, Dual row | P13 | CON20VP2R54- 2X7TM-1 | Header 7X2 | 1 |
| Header 8H | Header, 8-Pin, Right Angle | P14 | XH_8 | Header 8H | 1 |
| HMC472 | Header, 7-Pin | P15, P16 | XH2.54-7P | Header 7 | 2 |
| ADF4351 | Header, 5-Pin | P17 | XH_5 | Header 5 | 1 |
| SPI2 | Header, 5-Pin | P18 | XH_5 | Header 5 | 1 |
| OLED SPI | Header, 7-Pin | P19 | OLED_0.96_SPI | Header 7 | 1 |
| HMI UART LCD | Header, 4-Pin | P20 | xh_4 | Header 4 | 1 |
| Header 2 | Header, 2-Pin | P21 | KF2EDG_3R81_2P | Header 2 | 1 |
| NC | RES SMD 1K OHM 0.5% 1/16W 0603 | R1 | 0603R | Res1 | 1 |
| 0R | RES SMD 1K OHM 0.5% 1/16W 0603 | R2, R3, R8, R9 | 0603R | Res1 | 4 |
| 10k | RES SMD 1K OHM 0.5% 1/16W 0603 | R4, R5, R6 | 0603R | Res1 | 3 |
| 1k | RES SMD 1K OHM 0.5% 1/16W 0603 | R7, R10, R11 | 0603R | Res1 | 3 |
| 787R | RES SMD 1K OHM 0.5% 1/16W 0603 | R12, R17 | 0603R | Res1 | 2 |
| 51R | RES SMD 1K OHM 0.5% 1/16W 0603 | R13, R14, R18, R19 | 0603R | Res1 | 4 |
| 100K | RES SMD 1K OHM 0.5% 1/16W 0603 | R15, R16, R20, R21 | 0603R | Res1 | 4 |
| BOOT0 | Single-Pole, Single- Throw Switch | S1 | micro button_2_SMD | SW-SPST | 1 |
| BOOT1 | Single-Pole, Single- Throw Switch | S2, S3 | micro button_2_SMD | SW-SPST | 2 |
| RESET | Single-Pole, Single- Throw Switch | S4 | micro button_2_SMD | SW-SPST | 1 |
| SWITCH | | SW1 | SW-8R5X8R5 | SWITCH | 1 |
| STM32F407ZGT6 | ARM Cortex-M4 32- bit MCU+FPU, 210 DMIPS, 1024 kB Flash, 192 kB Internal RAM, 114 I/Os, 144-pin LQFP, - 40 to 85 degC, Tray | U1 | QFP144-0r5-20X20 | STM32F407ZGT6 | 1 |
| AMS1117-3V3 | | U2, U3 | SOT223 | AMS1117-3v3 | 2 |
| 8MHz | Crystal Oscillator | Y1 | CO2-4R75X11R4-S | XTAL | 1 |