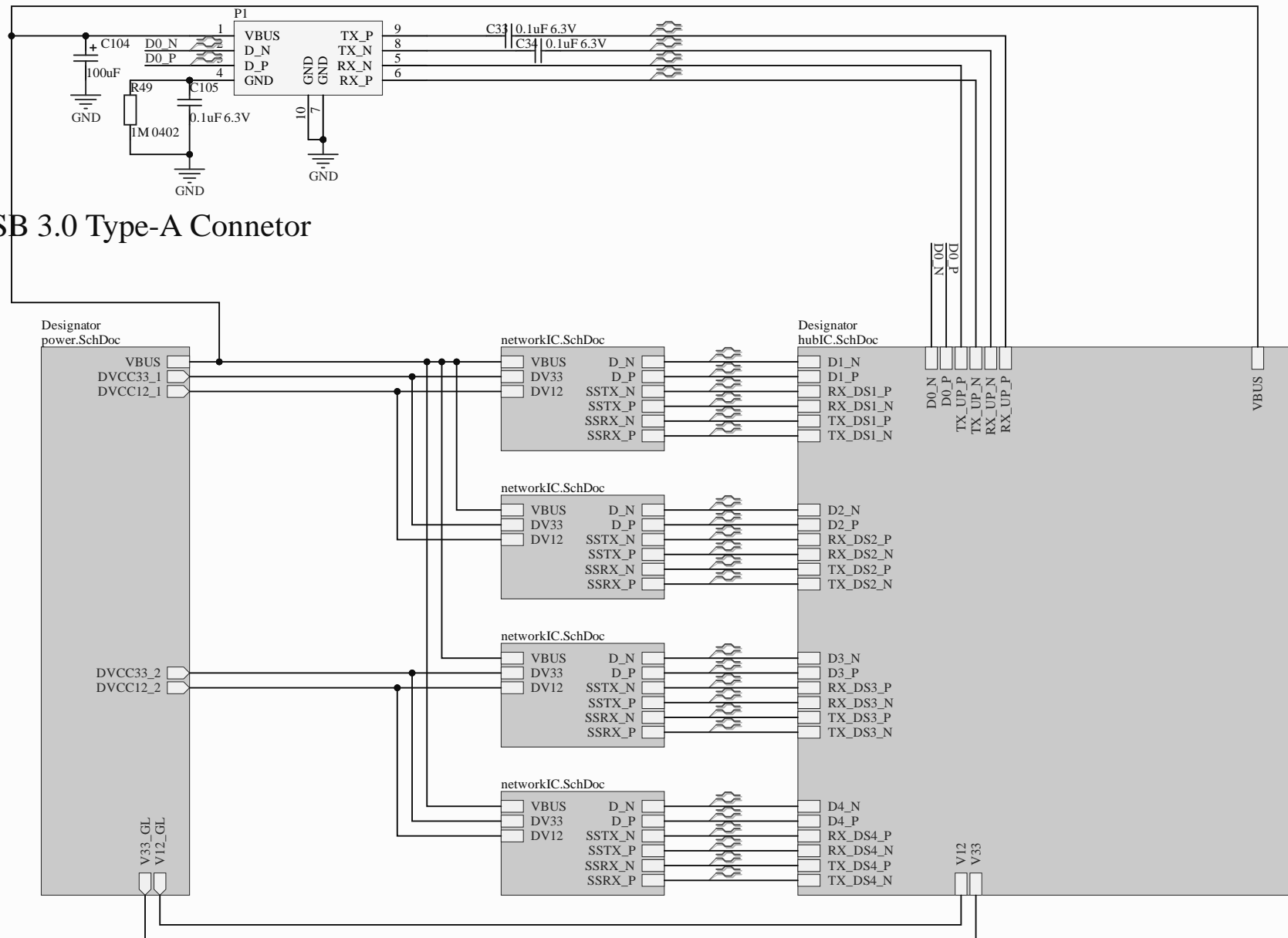
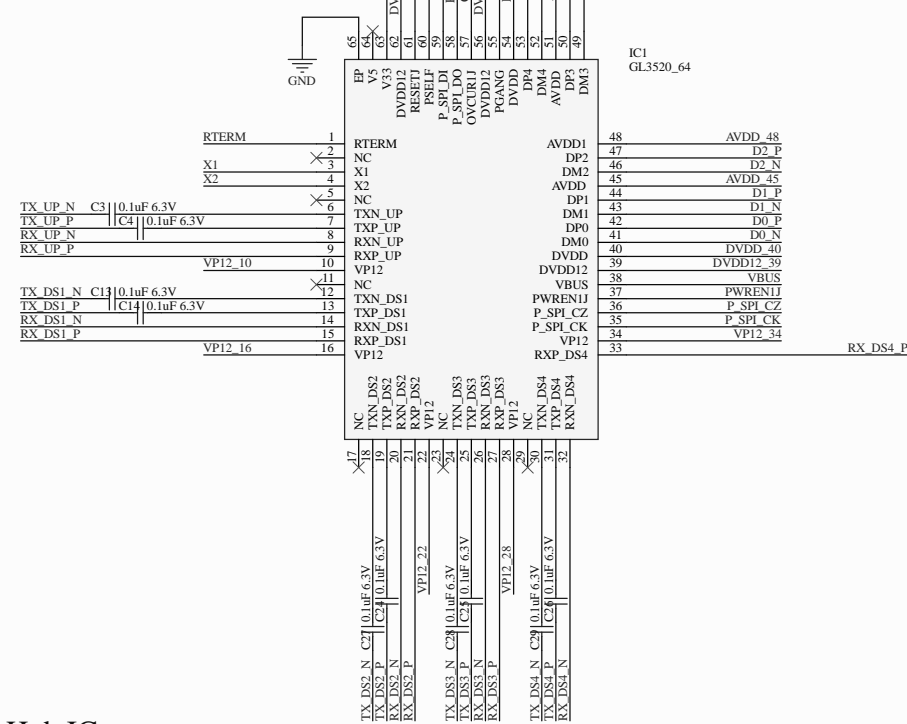
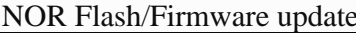


USB 3.0 Type-A Connector

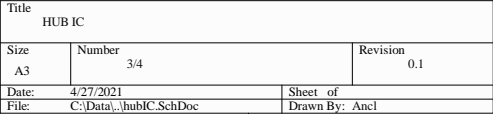


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| Size A4 | Number 1/4 | Revision 0.1 |
| Date: 4/27/2021 | Sheet of | |
| File: C:\Data\main.SchDoc | Drawn By: Ancl | |



Hub IC

Power Filter



1

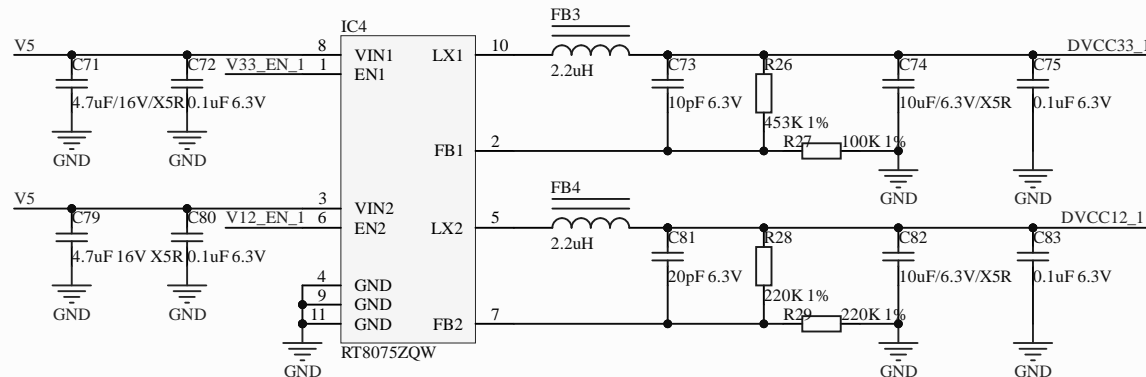
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4

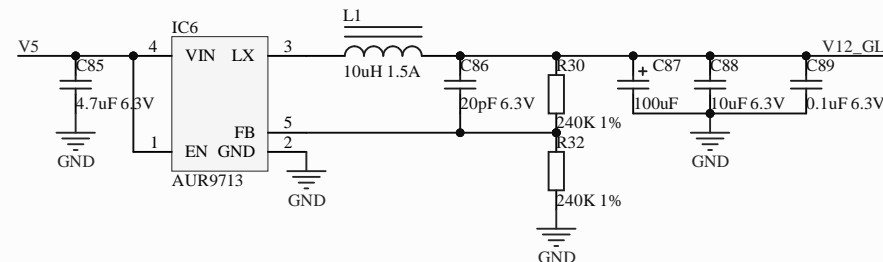
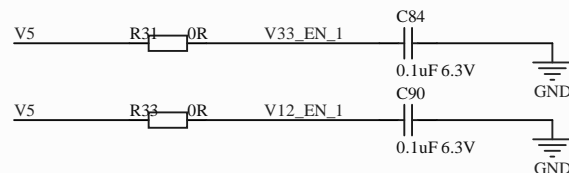
A

A



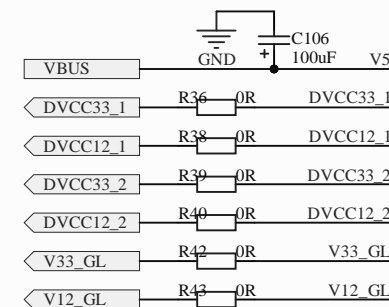
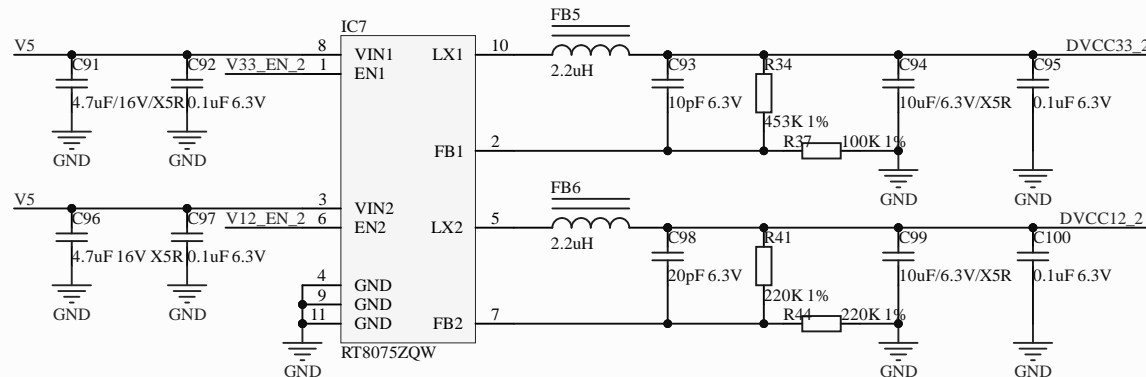
B

B



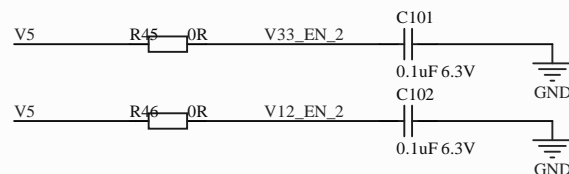
C

C



D

D



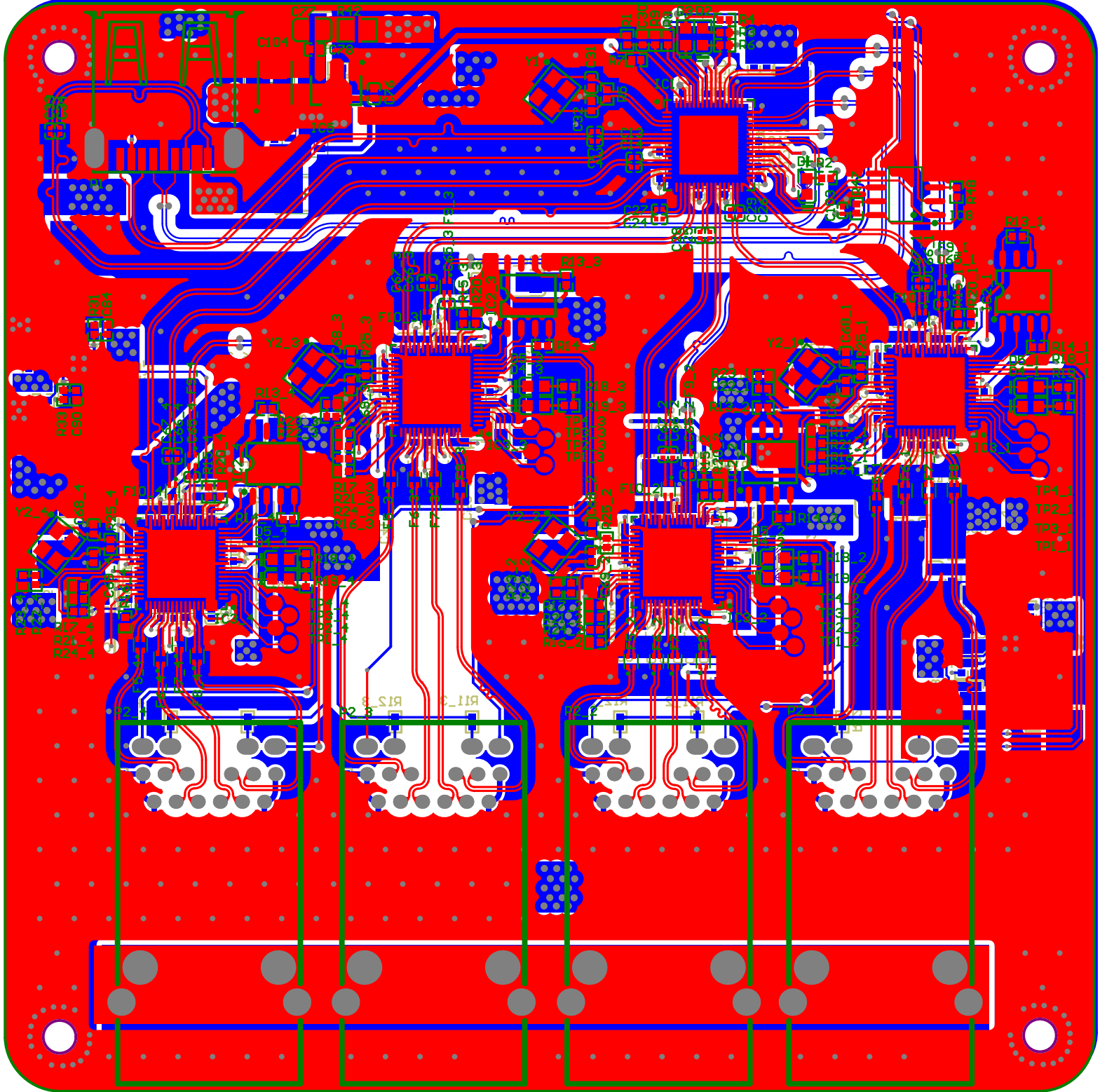
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| Size | Number | Revision |
| A4 | 4/4 | 0.1 |
| Date: | 4/27/2021 | Sheet of |
| File: | C:\Data\...power.SchDoc | Drawn By: Ancl |

1

2

3

4



| Comment | Designator | Quantity | Designator | Description |
|------------------------|--|----------|--|---------------------------|
| 0.1uF 6.3V | 0201,C | 25 | C3, C4, C13, C14, C24, C26, C26, C27, C28, C29, C33, C34, C46, 1, C46, 2, C46, 3, C46, 4, C47, 1, C47, 2, C47, 3, C47, 4, C70, 1, C70, 2, C70, 3, C70, 4, C100 | 贴片电容 |
| | | | C46, 1, C46, 2, C46, 3, C46, 4 | 贴片电容 |
| 22pF 6.3V | 0201,C | 4 | C55, C56, C7, C8, C9, C10, C11, C12, C19, C20, C21, C22, C23, C32, 1, C32, 2, C32, 3, C37, 4, C39, 1, C39, 2, C39, 3, C39, 4, C42, 1, C42, 2, C42, 3, C42, 4, C44, 1, C44, 2, C44, 3, C44, 4, C45, 1, C46, 2, C46, 3, C46, 4, C48, 1, C48, 2, C48, 3, C48, 4, C49, 1, C49, 2, C49, 3, C49, 4, C50, 1, C50, 2, C50, 3, C50, 4, C51, 1, C51, 2, C51, 3, C51, 4, C52, 1, C52, 2, C52, 3, C52, 4, C53, 1, C53, 2, C53, 3, C53, 4, C54, 1, C54, 2, C54, 3, C54, 4, C55, 1, C55, 2, C55, 3, C55, 4, C56, 1, C56, 2, C56, 3, C56, 4, C57, 1, C57, 2, C57, 3, C57, 4, C58, 1, C58, 2, C58, 3, C58, 4, C59, 1, C59, 2, C59, 3, C59, 4, C60, 1, C60, 2, C60, 3, C60, 4, C61, 1, C61, 2, C61, 3, C61, 4, C62, 1, C62, 2, C62, 3, C62, 4, C76, C78 | 贴片电容 |
| 1uF 6.3V | 0402,C | 7 | C40, 3, C40, 4, C76, C78 | 贴片电容 |
| 0.1uF 6.3V | 0402,C | 3 | C17, C18, C80 | 贴片电容 |
| 100uF 6.3V | 0402,C | 2 | C71, C91 | 贴片电容 |
| 0.1uF 6.3V | 0402,C | 3 | C1, C2, C3, C16, C30, C31, C48, 1, C48, 2, C48, 3, C48, 4, C49, 1, C49, 2, C49, 3, C49, 4 | 贴片电容 |
| 0.01 | 0402,C | 4 | R31, R33, R45, R46 | 贴片电阻 |
| 10K 0402 | 0402,R | 1 | R49 | 贴片电阻 |
| 100K 0402 | 0402,R | 5 | R5, R25, 1, R25, 2, R25, 3, R25, 4 | 贴片电阻 |
| 2K49 0402 1% 1% 0402,R | 0402,R | 4 | R21, 1, R21, 2, R21, 3, R21, 4 | 贴片电阻 |
| 4K7 0402 | 0402,R | 23 | R2, R3, R4, R13, 1, R13, 2, R13, 3, R13, 4, R15, 1, R15, 2, R15, 3, R15, 4, R16, 1, R16, 2, R16, 3, R16, 4, R17, 1, R17, 2, R17, 3, R17, 4, R20, 1, R20, 2, R20, 3, R20, 4 | 贴片电阻 |
| | | | R21, R47, R48 | 贴片电阻 |
| 10K 0402 | 0402,R | 4 | R24, 1, R24, 2, R24, 3, R24, 4 | 贴片电阻 |
| 220K 0402 | 0402,R | 4 | R14, 1, R14, 2, R14, 3, R14, 4 | 贴片电阻 |
| 47K 0402 | 0402,R | 3 | R29 | 贴片电阻 |
| 100K 1% 0402,R | 0402,R | 1 | R27, R37 | 贴片电阻 |
| 100K 0402 | 0402,R | 1 | R8 | 贴片电阻 |
| 220K 1% 0402,R | 0402,R | 4 | R30, R29, R41, R44 | 贴片电阻 |
| 240K 1% 0402,R | 0402,R | 2 | R30, R32 | 贴片电阻 |
| 330K 0402 | 0402,R | 16 | R11, 1, R11, 2, R11, 3, R11, 4, R12, 1, R12, 2, R12, 3, R12, 4, R18, 1, R18, 2, R18, 3, R18, 4, R19, 1, R19, 2, R19, 3, R19, 4 | 贴片电阻 |
| | | | R22, R4 | 贴片电阻 |
| 440K 1% 0402,R | 0402,R | 2 | R22, R4 | 贴片电阻 |
| 440K 0402 | 0402,R | 4 | R22, 1, R22, 2, R22, 3, R22, 4 | 贴片电阻 |
| 10K 0402 | 0402,R | 4 | R22, 1, R22, 2, R22, 3, R22, 4 | 贴片电阻 |
| 100K 1% 0402,R | 0402,R | 4 | R24, C82, C84, C89 | 贴片电阻 |
| 30K 100MHz | 0403,L | 16 | F1, 1, F1, 2, F1, 3, F1, 4, F1, 5, F2, 1, F2, 2, F2, 3, F2, 4, F2, 5, F2, 6, F3, 1, F3, 2, F3, 3, F3, 4, F4, 1, F4, 2, F4, 3, F4, 4 | 7F140802000-3801F 贴片电容 |
| 887 0403 | 0403,LED,S1 | 1 | D1 | 发光二极管 |
| 887 0403 | 0403,LED,S1 | 5 | D1, D4, 1, D4, 2, D4, 3, D4, 4 | 发光二极管 |
| 887 0403 | 0403,LED,S1 | 5 | D2, D5, 1, D5, 2, D5, 3, D5, 4 | 发光二极管 |
| 0.1uF 10V X5R | 0805,C | 2 | C79, C86 | 贴片电容 |
| 0.1uF 10V/X5R | 0805,C | 2 | C71, C91 | 贴片电容 |
| 0.1uF 6.3V | 0805,C | 2 | C77, C88 | 贴片电容 |
| 0.001 ±25% 100MHz | 0805,L | 1 | R2 | 贴片电感 |
| 0.001 ±25% 100MHz | 0805,L | 1 | R1 | 贴片电感 |
| 0.001±0.5 | 0805,R | 6 | R36, R38, R39, R40, R42, R43 | 贴片电阻 |
| 10uF 6.3V X5R | 1206,C | 24 | C36, 1, C36, 2, C36, 3, C36, 4, C38, 1, C38, 2, C38, 3, C38, 4, C41, 1, C41, 2, C41, 3, C41, 4, C43, 1, C43, 2, C43, 3, C43, 4, C45, 1, C45, 2, C45, 3, C45, 4, C47, 1, C47, 2, C47, 3, C47, 4 | 贴片电容 |
| | | | C35, 1, C35, 2, C35, 3, C35, 4 | 贴片电容 |
| 1M 0402 | 1206,R | 4 | R10, 1, R10, 2, R10, 3, R10, 4 | 贴片电阻 |
| 100uF | 2A100P3528A120R | 1 | R30, R4 | 贴片电阻 |
| DLP1118000L2 | FILTER-SMD,4P- 4:3-WF0-BL-DLP115A000H-L2 | 16 | R9, 1, R9, 2, R9, 3, R9, 4, F10, 1, F10, 2, F10, 3, F10, 4 | 贴片电容 |
| | | | R5, 1, R5, 2, R5, 3, R5, 4, R6, 1, R6, 2, R6, 3, R6, 4, F7, 1, F7, 2, F7, 3, F7, 4, F8, 1, F8, 2, F8, 3, F8, 4 | 贴片电容 |
| DLP115A000H-L2L | FILTER-SMD,4P- 4:3-WF0-BL-DLP115A000H-L2L | 16 | R2, 1, R2, 2, R2, 3, R2, 4 | 贴片电阻 |
| | | | R9, 1, R9, 2, R9, 3, R9, 4 | 贴片电阻 |
| HV911180A | HV911180A | 4 | R2, 1, R2, 2, R2, 3, R2, 4 | 贴片电阻 |
| U461 1.5A | 30(M88B27220R) | 1 | R1 | 贴片电阻 |
| 2.2uH | 30P-SMD,333-W2.5 | 4 | R31, R34, R35, R36 | 贴片电感 |
| AX38179 | 2F140P7100X79000 5.1K-100 | 4 | IC1, 1, IC1, 2, IC1, 3, IC1, 4 | 贴片电阻 |
| SL3200_64 | 2F140P7100X79000 5.1K-100 | 1 | IC1 | Integrated Circuit |
| 25M42 12PF 100PM | SMD-3225_4P | 5 | F1, Y2, 1, Y2, 2, Y2, 3, Y2, 4 | 贴片电容 |
| HA251C0128 | 20K-8,LS0-W4.0- R1,27-LS0-BL | 1 | IC8 | |
| RT80752C0W | 20K0P000070,1R- 11N | 2 | IC4, IC7 | |
| KY5C36 | 20K-8,LS0-W4.0- R1,27-LS0-BL | 4 | IC2, 1, IC2, 2, IC2, 3, IC2, 4 | |
| AUR9713 | 20K0P2800X100- 00 | 1 | IC6 | |
| AME8005 | SOT-89,LS45-W2.5- P100-LS45-08 | 1 | IC5 | |
| TP | TP | 16 | TP1, 1, TP1, 2, TP1, 3, TP1, 4, TP1, 1, TP1, 2, TP2, 3, TP2, 4, TP3, 1, TP2, 2, TP3, 3, TP3, 4, TP4, 1, TP4, 2, TP4, 3, TP4, 4 | |
| | | | TP4, 4 | |
| | VS810-A- SMD,FUS329- P38016 | 1 | TP1 | |