

图6.13使用正负电源的共基极电路

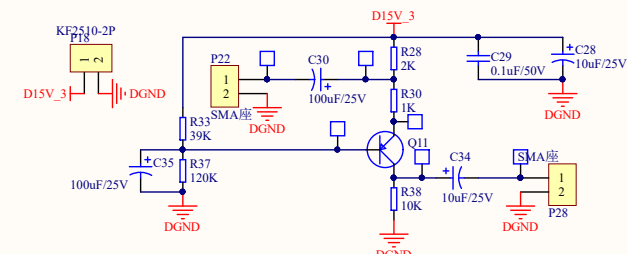


图6.11 使用PNP晶体管的共基极电路

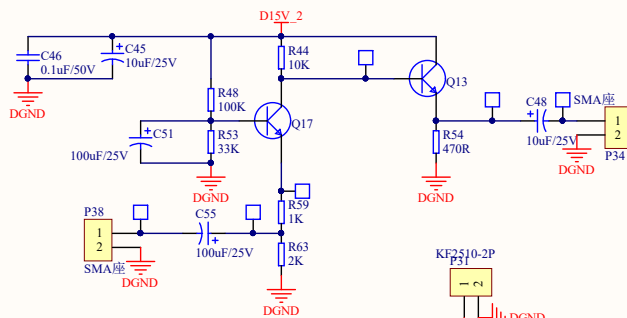


图6.3共基极电路+射极跟随器

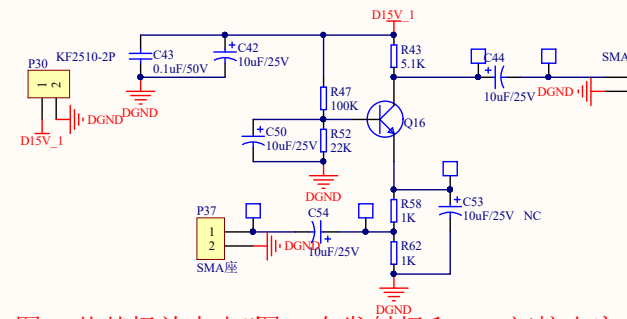
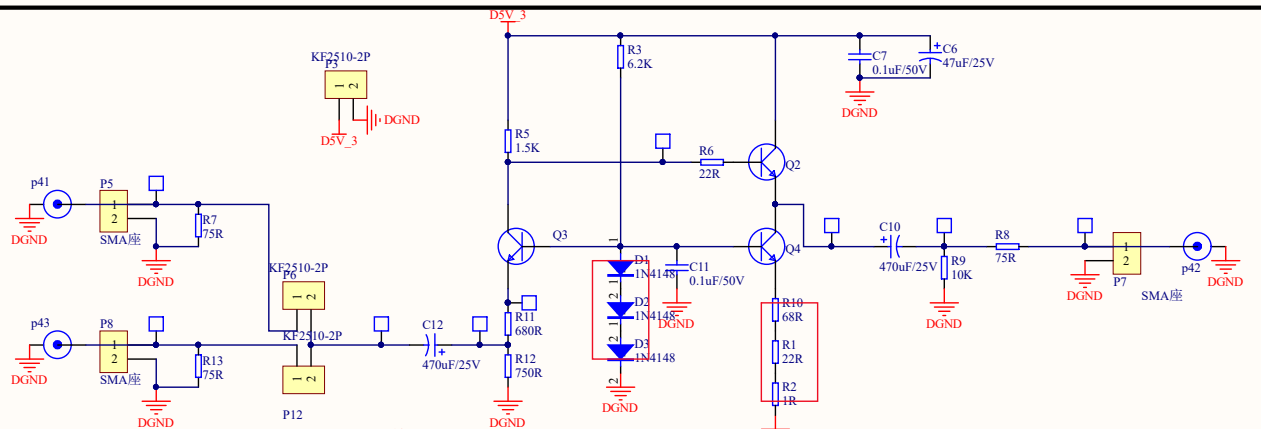
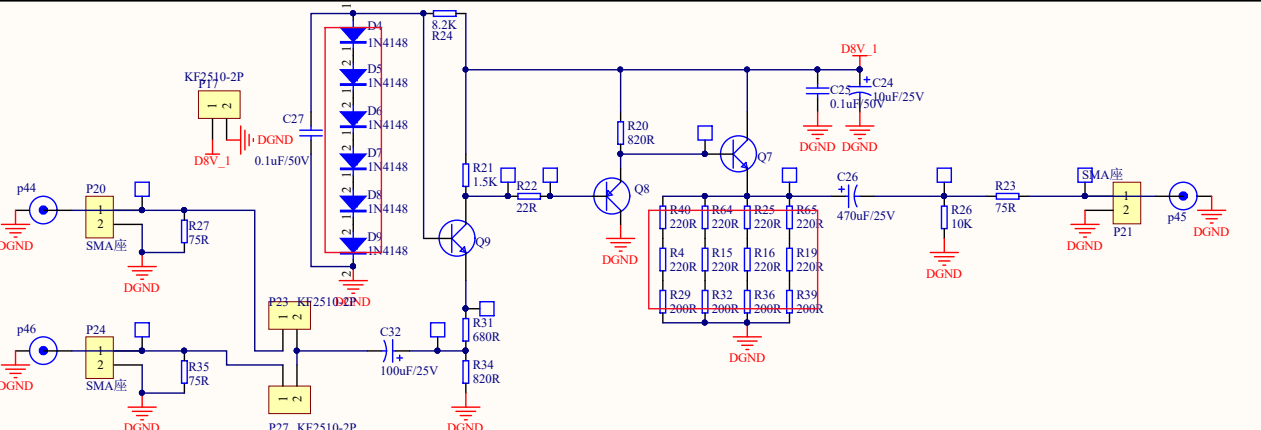


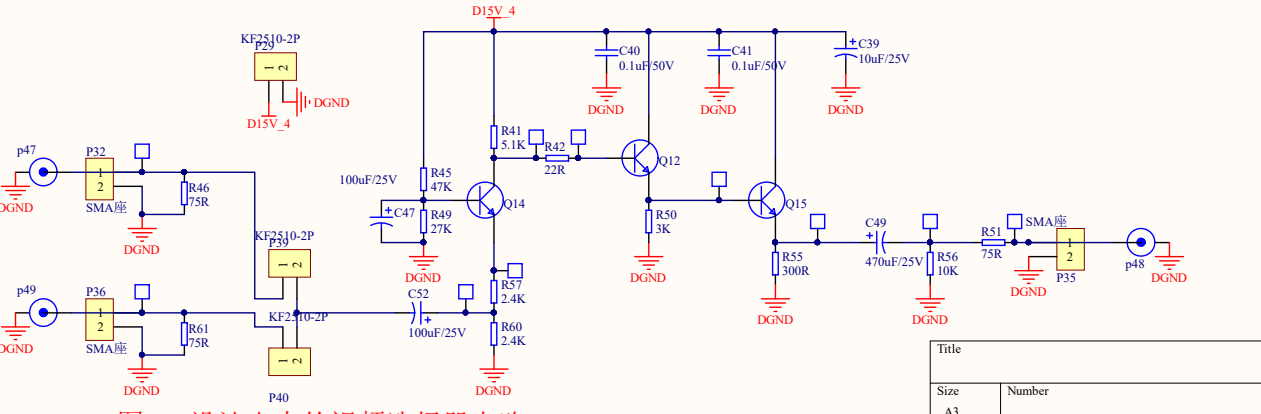
图6.2共基极放大电路6.8在发射极和GND间接电容



P140 图7.17 用5V电源工作的电路



P139 图7.16 使用PNP晶体管的设计跟随器电路



P133 图7.7 设计出来的视频选择器电路

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|-------|----------------------------------|----------|
| Title | | |
| Size | Number | Revision |
| A3 | | |
| Date: | 2017-02-25 | Sheet 6 |
| File: | D:\0实验板\晶体管电路设计\第六版\Draw\BschDoc | |

| Designator | Comment | Description | Footprint | LibRef | Quantity |
|---|---------------|-------------|-------------------------|-----------|----------|
| C6, C21 | 47uF/25V | TAN | C8232 | CAP2 | 2 |
| C7, C11, C14, C22, C25, C27, C29, C40, C41, C43, C46 | 0.1uF/50V | Capacitor | LC-0805_C | Cap | 11 |
| C10, C12, C26, C49 | 470uF/25V | TAN | C10045 | CAP2 | 4 |
| C13 | 4.7uF/25V | TAN | LC-0805_C | CAP2 | 1 |
| C15, C24, C28, C34, C39, C42, C44, C45, C48, C50, C54 | 10uF/25V | TAN | LC-1206_C | CAP2 | 11 |
| C20, C30, C32, C35, C47, C51, C52, C55 | 100uF/25V | TAN | C8232 | CAP2 | 8 |
| C53 | 10uF/25V NC | TAN | C6422 | CAP2 | 1 |
| D1, D2, D3, D4, D5, D6, D7, D8, D9 | 1N4148 | | LC-SOD-323 | DIODE | 9 |
| P3, P6, P9, P10, P12, P17, P18, P23, P27, P29, P30, P31, P39, P40 | KF2510-2P | | KF2510 - 2P - 2.54mm | Header1X2 | 14 |
| P5, P7, P8, P13, P15, P20, P21, P22, P24, P28, P32, P33, P34, P35, P36, P37, P38 | SMA座 | | ANTENNA - duplicate | ANTENNA | 17 |
| p41, p42, p43, p44, p45, p46, p47, p48, p49 | BNC-90D | connector | BNC 11x24 Vertical | BNC | 9 |
| Q2, Q3, Q4, Q5, Q7, Q9, Q12, Q13, Q14, Q15, Q16, Q17 | 2N3904/2N5551 | | S9013SMD/DI P | S9013SMD | 12 |
| Q8, Q11 | 2N3906/2N5401 | | S9013SMD/DI P | MMBT3906 | 2 |
| R1, R6, R22, R42 | 22R | | LC-0805_R | R | 4 |
| R2 | 1R | | LC-0805_R | R | 1 |
| R3 | 6.2K | | LC-0805_R | R | 1 |
| R4, R15, R16, R19, R25, R40, R64, R65 | 220R | | LC-0805_R | R | 8 |
| R5, R17, R21 | 1.5K | | LC-0805_R | R | 3 |
| R7, R8, R13, R23, R27, R35, R46, R51, R61 | 75R | | LC-0805_R | R | 9 |
| R9, R26, R38, R44, R56 | 10K | | LC-0805_R | R | 5 |
| R10 | 68R | | LC-0805_R | R | 1 |
| R11, R31 | 680R | | LC-0805_R | R | 2 |
| R12 | 750R | | LC-0805_R | R | 1 |
| R14 | 4.7K | | LC-0805_R | R | 1 |
| R18 | 7.5K | | LC-0805_R | R | 1 |
| R20, R34 | 820R | | LC-0805_R | R | 2 |
| R24 | 8.2K | | LC-0805_R | R | 1 |
| R28, R63 | 2K | | LC-0805_R | R | 2 |
| R29, R32, R36, R39 | 200R | | LC-0805_R | R | 4 |
| R30, R58, R59, R62 | 1K | | LC-0805_R | R | 4 |
| R33 | 39K | | LC-0805_R | R | 1 |
| R37 | 120K | | LC-0805_R | R | 1 |
| R41, R43 | 5.1K | | LC-0805_R | R | 2 |
| R45 | 47K | | LC-0805_R | R | 1 |
| R47, R48 | 100K | | LC-0805_R | R | 2 |
| R49 | 27K | | LC-0805_R | R | 1 |
| R50 | 3K | | LC-0805_R | R | 1 |
| R52 | 22K | | LC-0805_R | R | 1 |
| R53 | 33K | | LC-0805_R | R | 1 |
| R54 | 470R | | LC-0805_R | R | 1 |
| R55 | 300R | | LC-0805_R | R | 1 |
| R57, R60 | 2.4K | | LC-0805_R | R | 2 |
| T6, T7, T8, T9, T10 | TestPoint | | TP - TEST-1 | TestPoint | 51 |
| | | | | | |