

| SR504主板 | | | | | 版本号: 01 | |
|---------------|-----------|-------------|------------------------|----|---|----|
| 序号 | 名称 | 元件值 | 内容及说明 | 用量 | 位置 | 备注 |
| 一、贴片料: | | | | | | |
| 1 | PCB板 | SR504MB1 | PCB (2层) | 1 | | |
| 2 | 0603 CHIP | 0.33uF | ±10% 25V X7R 0402 | 2 | C17 C71 | |
| 3 | 0603 CHIP | 1uF | SMT 16V 1uF +80-20% 独石 | 1 | C162 | |
| 4 | 0603 CHIP | 10uF 厚1.2mm | SMT 10V 10uF +80-20%独石 | 7 | C18 C34 C46 C80 C112 C116 C189 | |
| 5 | 0603 CHIP | 1P | ±C% 10V NPO | 1 | C5 | |
| 6 | 0603 CHIP | 2P | ±C% 10V NPO | 1 | C65 | |
| 7 | 0603 CHIP | 3P | ±C% 10V NPO | 2 | C2 C4 | |
| 8 | 0402 CHIP | 4P | ±C% 10V NPO | 4 | C27 C41 C62 C66 | |
| 9 | 0402 CHIP | 5P | ±C% 10V NPO | 5 | C1 C6 C24 C61 C64 | |
| 10 | 0402 CHIP | 7P | ±D% 10V NPO | 1 | C63 | |
| 11 | 0402 CHIP | 10P | ±5% 10V NPO | 4 | C3 C23 C42 C67 | |
| 12 | 0402 CHIP | 12P | ±5% 10V NPO | 3 | C29 C33 C59 | |
| 13 | 0402 CHIP | 15P | ±5% 10V NPO | 1 | C25 | |
| 14 | 0402 CHIP | 20P | ±5% 10V NPO | 1 | C26 | |
| 15 | 0402 CHIP | 22P | ±5% 10V NPO | 2 | C134 C135 | |
| 16 | 0402 CHIP | 27P | ±5% 10V NPO | 2 | C11 C31 | |
| 17 | 0402 CHIP | 30P | ±5% 10V NPO | 1 | C73 | |
| 18 | 0402 CHIP | 39P | ±5% 10V NPO | 1 | C76 | |
| 19 | 0402 CHIP | 62P | ±5% 10V NPO | 1 | C75 | |
| 20 | 0402 CHIP | 100P | ±5% 10V NPO | 76 | C7 C10 C32 C28 C38 C39 C43 C44 C45 C47 C49 C50 C52 C53 C54 C55 C56 C70 C77 C82 C83 C87 C89 C90 C92 C93 C96 C97 C98 C110 C124 C125 C130 C118 C117 C140 C141 C144 C145 C147 C149 C152 C155 C156 C157 C159 C127 C128 C160 C161 C163 C164 C167 C169 C170 C171 C172 C173 C174 C175 C177 C178 C179 C180 C181 C182 C183 C184 C185 C186 C187 C188 C190 C191 C194 C195 | |
| 21 | 0402 CHIP | 470P | ±10% 10V X7R | 2 | C58 C136 | |
| 22 | 0402 CHIP | 1n | ±10% 10V X7R | 4 | C9 C12 C48 C148 | |
| 23 | 0402 CHIP | 1n5 | ±10% 10V X7R | 2 | C14 C115 | |
| 24 | 0402 CHIP | 2n2 | ±10% 10V X7R | 1 | C15 | |
| 25 | 0402 CHIP | 3n3 | ±10% 10V X7R | 2 | C129 C137 | |
| 26 | 0402 CHIP | 4n7 | ±10% 10V X7R | 1 | C131 | |
| 27 | 0402 CHIP | 8n2 | ±10% 10V X7R | 1 | C106 | |
| 28 | 0402 CHIP | 10n | ±10% 10V X7R | 9 | C8 C35 C79 C86 C102 C108 C138 C142 C168 | |
| 29 | 0402 CHIP | 18n | ±10% 10V X7R | 1 | C107 | |
| 30 | 0402 CHIP | 22n | ±10% 10V X7R | 7 | C68 C101 C103 C104 C105 C139 C150 | |
| 31 | 0402 CHIP | 47n | ±10% 10V X7R | 2 | C132 C133 | |

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| 32 | 0402 CHIP | 68n | ±10% 10V X7R | 3 | C69 C122 C123 | |
| 33 | 0402 CHIP | 100n | 10V Z | 38 | C13 C19 C21 C22 C16 C36 C37 C40 C51 C57 C60 C72 C74 C78 C81 C84 C85 C91 C95 C99 C100 C120 C121 C126 C109 C111 C114 C119 C143 C146 C165 C166 C176 C192 C193 C247 C248 C249 | |
| 34 | 0603CHIP | 100n | 10V Z | 1 | C158 | |
| 35 | CHIP | 10P | SMT | 1 | VC1 | |
| 36 | 0603 CHIP | 22欧 | ±5% | 2 | R6 R10 | |
| 37 | 0402 CHIP | 0欧 | ±5% | 1 | R153 | |
| 38 | 0402 CHIP | 10欧 | ±5% | 2 | R26 R37 | |
| 39 | 0402 CHIP | 47欧 | ±5% | 1 | R131 | |
| 40 | 0402 CHIP | 220 欧 | ±5% | 2 | R21 R27 | |
| 41 | 0402 CHIP | 330 欧 | ±5% | 3 | R2 R7 R19 | |
| 42 | 0402 CHIP | 1K | ±5% | 4 | R11 R38 R46 R133 | |
| 43 | 0402 CHIP | 1. 2K | ±5% | 1 | R5 | |
| 44 | 0402 CHIP | 2. 2K | ±5% | 7 | R29 R45 R36 R115 R173 R187 R147 | |
| 45 | 0603 CHIP | 3. 3K | ±5% | 1 | R118 | |
| 46 | 0402 CHIP | 3. 3K | ±5% | 4 | R105 R107 R108 R127 | |
| 47 | 0402 CHIP | 3. 9K | ±5% | 1 | R8 | |
| 48 | 0402 CHIP | 4.7K | ±5% | 2 | R39 R33 | |
| 49 | 0402 CHIP | 5. 6K | ±5% | 1 | R117 | |
| 50 | 0402 CHIP | 6. 8K | ±1% | 2 | R4 R30 | |
| 51 | 0402 CHIP | 8. 2K | ±5% | 1 | R42 | |
| 52 | 0402 CHIP | 10K | ±5% | 16 | R12 R16 R17 R22 R23 R24 R25 R43 R41 R34 R111 R112 R177 R124 R148 R122 | |
| 53 | 0402 CHIP | 12K | ±5% | 1 | R44 | |
| 54 | 0402 CHIP | 33K | ±5% | 1 | R101 | |
| 55 | 0402 CHIP | 15K | ±5% | 1 | R121 | |
| 56 | 0402 CHIP | 18K | ±5% | 3 | R28 C113 R161 | |
| 57 | 0402 CHIP | 22K | ±5% | 6 | R31 R32 R114 R116 R175 R149 | |
| 58 | 0402 CHIP | 24K | ±5% | 1 | R176 | |
| 59 | 0402 CHIP | 27K | ±5% | 1 | R134 | |
| 60 | 0402 CHIP | 47K | ±5% | 3 | R174 R178 R182 | |
| 61 | 0402 CHIP | 51K | ±5% | 1 | R49 | |
| 62 | 0402 CHIP | 68K | ±5% | 1 | R50 | |
| 63 | 0402 CHIP | 75K | ±1% | 1 | R155 | |
| 64 | 0402 CHIP | 100K | ±5% | 11 | R1 R48 R123 R129 R179 R162 R163 R186 R151 R152 R135 | |
| 65 | 0402 CHIP | 120K | ±1% | 3 | R15 R119 R156 | |

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| 66 | 0402 CHIP | 150K | ±5% | 2 | R14 R18 | |
| 67 | 0402 CHIP | 220K | ±5% | 6 | R20 R35 R136 R137 R138 R139 | |
| 68 | 0402 CHIP | 270K | ±5% | 4 | R102 R103 R104 R106 | |
| 69 | 0402 CHIP | 470K | ±5% | 15 | R3 R9 R13 R165 R166 R167 R168 R169 R170 R171 R172 R141 R142 R143 R144 | |
| 70 | 0402 CHIP | 820K | ±5% | 1 | R146 | |
| 71 | 0402 CHIP | 680K | ±5% | 1 | R126 | |
| 72 | 0402 CHIP | 1M | ±5% | 2 | R113 R164 | |
| 73 | 0402 CHIP | 1.5M | ±5% | 1 | R47 | |
| 74 | 可调电阻 | 5K SMT | 参考样品 (3*3) | 1 | VR101 | |
| 75 | 可调电阻 | 10K SMT | 参考样品 (3*3) | 1 | VR2 | |
| 76 | 0603贴片电感 | 12nH | ±5% | 2 | L10 L13 | |
| 77 | 0603贴片电感 | 22nH | ±5% | 3 | L1 L14 L7 | |
| 78 | 0603贴片电感 | 27nH | ±5% (麦捷) | 1 | L2 | |
| 79 | 0603贴片电感 | 27nH | ±5% (松下) | 1 | L3 | |
| 80 | 0805贴片电感 | 56nH | ±2% 高Q值 | 1 | L15 | |
| 81 | 线绕电感 | | 4T 参考样品 EL0. 4*1. 4*4T | 4 | L6 L8 L9 L16 | |
| 82 | 贴片二极管 | 1SS314 | SMT | 1 | D4 | |
| 83 | 贴片二极管 | HSC277 | SMT | 3 | D1 D2 D6 | |
| 84 | 贴片二极管 | 1SV214 | SMT | 1 | D5 | |
| 85 | 贴片二极管 | 1N4148 | SMT | 1 | D3 | |
| 86 | 贴片二极管 | 1N4004 | SMT | 7 | D8 D12 D13 D14 D15 D16 D17 | |
| 87 | 贴片二极管 | 1N5819 | SMT | 2 | D7 D9 | |
| 88 | 贴片稳压二极管 | 5.6V 1W | | 1 | ZD1 | |
| 89 | 贴片二极管 | DA204U | SMT | 2 | D101 D102 | |
| 90 | 贴片三极管 | 2SA1362 | SMT | 1 | Q105 | |
| 91 | 贴片三极管 | S9015G | SMT | 2 | Q3 Q5 | |
| 92 | 贴片三极管 | 2SC4177 | SMT | 1 | Q4 | |
| 93 | 贴片三极管 | S9014C | SMT | 5 | Q12 Q101 Q102 Q104 Q106 | |
| 94 | 三极管 | 2SC4901 | SMT | 3 | Q7 Q8 Q9 | |
| 95 | 贴片三极管 | 2SC4226R24或 2SC4226NR25 | SMT | 2 | Q1 Q2 | |
| 96 | FET | 3078 (H3) | SMT | 1 | Q6 | |
| 97 | 集成电路 | MC34119D | SMT | 1 | U103 | |
| 98 | 集成电路 | LM324 | SMT | 1 | U102 | |
| 99 | 集成电路 | SME8205 | SMT | 1 | U4 | |
| 100 | 集成电路 | | S-8261ABJMD (G3J) | 1 | U3 | |

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| 101 | 集成电路 | CPU EM78P567AQJ (OTP) | EM78P567H裸片 (OTP) | 1 | U106 | |
| 102 | 集成电路 | KB8825/GP214 | SMT | 1 | U2 | |
| 103 | 集成电路 | MC3361/UTC3361 | SMT (三星) | 1 | U1 | |
| 104 | 集成电路 | XC6219B302MR/RCR 3145-30SK | SOT-25 3V稳压 | 1 | U107 | |
| 105 | 贴片滤波器 | LTUCS450G (江佳) | LTC450GU (正原) | 1 | BPF3 | |
| 106 | 二、后焊料: | | | | | |
| 107 | 贴片轻触开关 | | TS-1102S (6X6X6MM) | 6 | | |
| 108 | 三极管 | D669 (T0-126) | | 1 | Q10 | |
| 109 | 三极管 | TL431 (T0-92) | | 1 | Q11 | |
| 110 | 拨动开关 | SK-12D02 H2 | | 1 | SW1 | |
| 111 | 蓝色LED灯 | Φ5MM | | 2 | LED2 LED3 | |
| 112 | 色环电感 | 2.2uH | ±10% 0204 | 1 | L4 | |
| 113 | 电解电容 | 100uF | 10V 100uF ±20% (Φ5*6mm) | 3 | C20 C30 C153 | |
| 114 | 电解电容 | 220uF | 6.3V 220uF ±20% (Φ6*5mm) | 1 | C94 | |
| 115 | 电解电容 | 470uF | 6.3V 470uF ±20% (Φ6*8mm) | 2 | C151 C154 | |
| 116 | 陶瓷鉴频器 | 450 (FT C61) | 参考样品 | 1 | L5 | |
| 117 | Crystal | 21.4MHZ | CRYSTAL FILTER | 1 | BPF2 (参考样品) | |
| 118 | Crystal | 20.95MHZ | U-5, 5PPM, 15P | 1 | X101 | |
| 119 | Crystal | 32。768KHZ | Φ3*8MM | 1 | X102 (参考样品) | |
| 120 | PTT开关 | | 同XB46 | 1 | PTT | |
| 121 | DC座 | | | 1 | 参考样品 | |
| 122 | 咪(带脚) | -62dB+-1dB | Φ6*2.7MM (同SR-638UA) | 1 | MIC1 (参考样品) | |
| 123 | 屏蔽罩 | | 同XB217 | 1 | | |
| 124 | 红色胶线 | | L571#30X45 | 2 | CH+ SP+ | |
| 125 | 黑色胶线 | | L571#30X45 | 2 | CH- SP- | |
| 126 | 弹簧天线 | SR504B (15圈) | | 1 | | 永强 |
| 127 | LCD | 23x19.2x1.8 | T16065A | 1 | 同XB451 | |