

Bauteile

Components needed for the Mic8 board

| | | | | | | | | 2 | 4 | | 12 | | |
|--------------------------|----------------------|----------|-------------|--------|-----|-----|-------|-----|--------|-----|--------|-----|--------|
| Designator | Description | Value | Case | each b | 1ch | 8ch | board | Anz | boards | Anz | boards | Anz | boards |
| C3, C6 | capacitor | 470p | C0805 | | 2 | 16 | 16 | 2 | 32 | 4 | 64 | 12 | 192 |
| C10 | capacitor | 47p | C0805 | | 1 | 8 | 8 | 2 | 16 | 4 | 32 | 12 | 96 |
| C2,C8,C11,C12 | electrolyt-capacitor | 47u, 50V | PANASONIC D | | 4 | 32 | 32 | 2 | 64 | 4 | 128 | 12 | 384 |
| C4 | capacitor | 3,3µF | C0805 | | 1 | 8 | 8 | 2 | 16 | 4 | 32 | 12 | 96 |
| C1,C14, C20 | capacitor | 100n | C0805 | 1 | 2 | 16 | 17 | 2 | 34 | 4 | 68 | 12 | 204 |
| D2, D3, D7, D8, | diode 1N4004 | | SOD123 | | 4 | 32 | 32 | 2 | 64 | 4 | 128 | 12 | 384 |
| D1, D12, D4, D6, ...,D16 | diode 1N4148 | | SOD123 | 1 | 4 | 32 | 33 | 2 | 66 | 4 | 132 | 12 | 396 |
| R1,R2 | resistor | 6k8 | R0805 | | 2 | 16 | 16 | 2 | 32 | 4 | 64 | 12 | 192 |
| R3,R11 | resistor | 12 | R0805 | | 2 | 16 | 16 | 2 | 32 | 4 | 64 | 12 | 192 |
| R6 | resistor | 10 | R0805 | | 1 | 8 | 8 | 2 | 16 | 4 | 32 | 12 | 96 |
| R13 | resistor | 22k | R0805 | | 1 | 8 | 8 | 2 | 16 | 4 | 32 | 12 | 96 |
| R4,R9 | resistor | 1,2K | R0805 | | 2 | 16 | 16 | 2 | 32 | 4 | 64 | 12 | 192 |
| R10 | trimpot | 10k | RTRIM4G/J | | 1 | 8 | 8 | 2 | 16 | 4 | 32 | 12 | 96 |
| R5 | trimpot | 100 | RTRIM4G/J | | 1 | 8 | 8 | 2 | 16 | 4 | 32 | 12 | 96 |
| IC1 | THAT1510 | | SO8 | | 1 | 8 | 8 | 2 | 16 | 4 | 32 | 12 | 96 |
| JP1,JP5,JP8, JP9 | 3Pin Header | 3Pins | 1x03 | 1 | 3 | 24 | 25 | 2 | 50 | 4 | 100 | 12 | 300 |
| JP6 | 2Pin Header | 2Pins | 1x02 | | 1 | 8 | 8 | 2 | 16 | 4 | 32 | 12 | 96 |
| IC3 | LM2936 | | SOT223 | 1 | 0 | | 1 | 2 | 2 | 4 | 4 | 12 | 12 |
| C21 | capacitor | 1uF | CPOL-EUB | 1 | 0 | | 1 | 2 | 2 | 4 | 4 | 12 | 12 |
| Pin Header 4 | SchraubKlemme | | 1x04 | 1 | | | 1 | 2 | 2 | 4 | 4 | 12 | 12 |
| Printed circuit | board | | 100x80mm | 1 | | | 1 | 2 | 2 | 4 | 4 | 12 | 12 |
| LED1,LED2,LED3 | LED | | not used | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 |
| R81,R82,R83 | LED-R | | not used | | | | 0 | | 0 | | 0 | | 0 |