| Qty | Description | Designator | Mouser Part # | Digikey Part # | TaydaElectronics | Price | (USD) | Ext.: | (USD) |
|-----|--------------------------------------|--------------------------------------------------------|----------------------|----------------|------------------|-------|-------|-------|-------|
| | | C1, C3, C11, C12, C14, C32, C35, C36, C39, C41, C42, | | | | | | | |
| 17 | 10uF 50V SMD 1206 Capacitor | C48, C51, C57, C60, C67, C71 | 80-C1206C106K4P | | | \$ | 0.14 | • | 2.36 |
| 4 | 1uF 50V SMD 1206 Capacitor | C2, C9, C15, C24 | 187-CL31B105KBHNNNE | | | \$ | 0.15 | | 0.60 |
| 6 | 10nF 50V SMD 1206 Capacitor | C4, C10, C17, C28, C37, C54 | 80-C1206C103K5R7210 | | | \$ | 0.10 | \$ | 0.60 |
| 4 | 68pF 50V SMD 1206 Capacitor | C5, C8, C19, C21 | 80-C1206C680J5HACTU | | | \$ | 0.18 | \$ | 0.72 |
| | | C6, C7, C13, C16, C18, C20, C22, C23, C25, C26, C27, | | | | | | | |
| | | C29, C30, C31, C40, C43, C45, C47, C49, C52, C53, C55, | | | | | | | |
| | | C56, C58, C59, C61, C62, C63, C64, C65, C66, C68, C70, | | | | | | | |
| 42 | 0.1uF 50V SMD 1206 Capacitor | C72, C73, C74, C75, C77, C79, C80, C83, C84 | C1206C104K5RACTU | | | \$ | 0.05 | | 2.27 |
| 2 | 2.2nF 50V SMD 1206 Capacitor | C33, C46 | 80-C1206C222K5RAC | | | \$ | 0.10 | \$ | 0.20 |
| 4 | 0.2uF 50V SMD 1206 Capacitor | C34, C38, C44, C50 | 581-12065C204KAT4A | | | \$ | 0.38 | • | 1.52 |
| 1 | 470uF 25V Aluminum Electroylitic Cap | C69 | 667-ECA-1EM471 | | | \$ | 0.39 | \$ | 0.39 |
| 4 | 100pF 50V SMD 1206 Capacitor | C76, C78, C81, C82 | 80-C1206C101K5GAC | | | \$ | 0.12 | • | 0.48 |
| 2 | IQ_Out, IQ_In, 1/8" Stereo Jack | J1, J5 | 490-SJ1-3515N | | | \$ | 1.41 | \$ | 2.82 |
| 2 | RF_IN, RF_OUT SMA Female | J2, J6 | 712-CONSMA001-G | | | \$ | 3.35 | | 6.70 |
| 1 | RFControl - IDC 2x5 Box Male Index | J3 | | | A-2939 | \$ | 0.14 | \$ | 0.14 |
| 1 | 12-13.8V - Molex Terminal Block | J4 | 538-39880-4302 | | | \$ | 1.12 | \$ | 1.12 |
| 1 | Calibration Enable - IDC 1x2 | JP4 | | | A-4662/ A-5770 | \$ | 0.02 | | 0.02 |
| 2 | AttenuatorBypass - IDC 1x2 | JP3, JP13 | | | A-4662/ A-5770 | \$ | 0.02 | \$ | 0.04 |
| 2 | PrescalarBypass - IDC 1x2 | JP18, JP19 | | | A-4662/ A-5770 | \$ | 0.02 | • | 0.04 |
| 9 | FB SMD 1206 600 Ohm 1A | L1, L2, L3, L5, L6, L7, L8, L9, L107 | 875-HZ1206E601R-10 | | | \$ | 0.14 | \$ | 1.26 |
| 2 | 1.5uH SMD 1206 Inductor | L4, L10 | 81-LQM31PN1R5M00L | | | \$ | 0.35 | \$ | 0.70 |
| 3 | 10uH 20% SMD 1206 Inductor | L11, L12, L13 | 81-1264EY-100MP3 | | | \$ | 0.47 | \$ | 1.41 |
| 1 | BS170 TO-92 Transistor | Q1 | 512-BS170 | | | \$ | 0.37 | \$ | 0.37 |
| 2 | 2K Ohm SMD 1206 Resistor | R1, R13 | 667-ERA-8AEB202V | | | \$ | 0.59 | \$ | 1.18 |
| 8 | 5.1K Ohm SMD 1206 Resistor | R2, R3, R5, R6, R10, R11, R17, R18 | 652-CR1206JW-512ELF | | | \$ | 0.10 | \$ | 0.80 |
| 5 | 100 Ohm SMD 1206 Resistor | R4, R8, R16, R22, R54 | 652-CR1206FX-1000ELF | | | \$ | 0.10 | \$ | 0.50 |
| | | R7, R9, R12, R20, R21, R23, R24, R28, R30, R39, R44, | | | | | | | |
| 14 | 10K Ohm SMD 1206 Resistor | R47, R53, R55 | 652-CR1206JW-103ELF | | | \$ | 0.02 | | 0.24 |
| 1 | 36.5 Ohm SMD 1206 Resistor | R14 | 71-CRCW120636.5-E3 | | | \$ | 0.10 | \$ | 0.10 |
| 2 | 510 Ohm SMD 1206 Resistor | R15, R19 | 652-CR1206FX-5100ELF | | | \$ | 0.10 | • | 0.20 |
| 6 | 10K Ohm 1% SMD 1206 Resistor | R25, R29, R32, R36, R41, R46 | 652-CR1206FX-1002ELF | | | \$ | 0.10 | | 0.60 |
| 10 | 2.2K Ohm SMD 1206 Resistor | R26, R34, R49, R50, R51, R52, R60, R61, R62, R63 | 71-CRCW12062K20JNEAC | | | \$ | 0.04 | • | 0.36 |
| 4 | 49.9 Ohm 1% SMD 1206 Resistor | R27, R33, R38, R43 | 71-CRCW120649R9FKEAC | | | \$ | 0.10 | \$ | 0.40 |
| 2 | 2.2K Ohm 1% SMD 1206 Resistor | R31, R45 | 652-CR1206FX-2201ELF | | | \$ | 0.10 | | 0.20 |
| 2 | 3.3K Ohm SMD 1206 Resistor | R35, R37 | 71-CRCW1206-3.3K-E3 | | | \$ | 0.10 | \$ | 0.20 |
| 2 | 0 Ohm SMD 1206 Resistor | R40, R42 | 71-CRCW12060000Z0EAC | | | \$ | 0.10 | • | 0.20 |
| 2 | 100K Ohm SMD 1206 Resistor | R48, R73 | 71-CRCW1206100KFKEAC | | | \$ | 0.10 | | 0.20 |
| 1 | 1.8K Ohm SMD 1206 Resistor | R56 | 652-CR1206FX-1801ELF | | | \$ | 0.10 | • | 0.10 |
| 1 | 330 Ohm SMD 1206 Resistor | R57 | 652-CR1206FX-3300ELF | | | \$ | 0.10 | \$ | 0.10 |

| 1 | 51K Ohm SMD 1206 Resistor | R58 | 652-CR1206FX-5102ELF | | | \$ 0.10 | \$ | 0.10 |
|-----|--------------------------------|----------------------------------------------------|----------------------|---------------|--------|-------------|------|-------|
| 1 | 1.2K Ohm SMD 1206 Resistor | R59 | 652-CR1206FX-1201ELF | | | \$ 0.10 | \$ | 0.10 |
| | | TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, | | | | | | |
| 18 | TestPoint | TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18 | | | A-4662 | \$ 0.03 | \$ | 0.50 |
| 1 | ADT1-1+ | TR1 | 139-ADT1-1 | | | \$ 4.02 | \$ | 4.02 |
| 1 | ADT2-1T+ | TR2 | 139-ADT2-1T | | | \$ 5.17 | \$ | 5.17 |
| 2 | 74CBTLV3253DR in SOIC-16 | U1, U4 | 595-74CBTLV3253DR | 296-9132-1-ND | | \$ 0.85 | \$ | 1.70 |
| 1 | PSA-8A+ | U2 | 139-PSA-8A | | | \$ 3.60 | \$ | 3.60 |
| 2 | PE4312 (or DAT-31R5A-PP+) | U3, U12 | 81-PE4312C-Z | | | \$ 5.32 | \$ | 10.64 |
| 3 | 74LVC1G04DCKR | U5, U10, U18 | 595-SN74LVC1G04DCKR | | | \$ 0.33 | \$ | 0.99 |
| 4 | MC33078 | U6, U8, U106, U107 | 595-MC33078DR | | | \$ 0.84 | \$ | 3.36 |
| 1 | LM358B | U16 | 595-LM358BIDR | | | \$ 0.47 | \$ | 0.47 |
| 4 | MASWSS0179 | U7, U9, U19, U20 | 937-MASWSS0179-T | | | \$ 1.03 | \$ | 4.12 |
| 1 | Si5351A-B-GT | U11 | 634-SI5351A-B-GT | | | \$ 2.14 | \$ | 2.14 |
| 1 | MAR-3SM+ | U13 | 139-MAR-3SM | | | \$ 1.87 | \$ | 1.87 |
| 1 | LM7805CT | U14 | 926-LM7805CT | | | \$ 2.46 | \$ | 2.46 |
| 1 | LM1117T-3.3 | U15 | 926-LM1117T-3.3/NOPB | | | \$ 1.69 | \$ | 1.69 |
| 1 | LM317LIDR | U17 | 595-LM317LIDR | | | \$ 0.46 | \$ | 0.46 |
| 1 | MCP23017_SO | U21 | 579-MCP23017-E/SO | | | \$ 1.42 | \$ | 1.42 |
| 2 | HMC434E | U22, U23 | 584-HMC434ETR | | | \$ 12.52 | \$ | 25.04 |
| 1 | ECS-TX053-S3 | Y1 | 520-TXO53S333250BNTR | | | \$ 9.86 | \$ | 9.86 |
| 1 | 25MHz | Y2 | 520-250-18-5PX-GM-TR | 644-1041-1-ND | | \$ 0.45 | \$ | 0.45 |
| 4 | _ Shorting Jumper for IDC pins | - | | | A-1324 | \$ 0.02 | \$ | 0.08 |
| 225 | | | | | | | \$ 1 | 09.38 |