

| Number | Part Number                 | Mouser Part #               | Description   | Quantity |  | Board Designator | K9HZ Semi-KIT |
|--------|-----------------------------|-----------------------------|---|----------|--|------------------|---------------|
| 1      | C1206C470K5GAC7800          | 80-C1206C470K5G             | CAP CER 47pf 50V X7R 1206   | 1        | C1   |                  | 0             |
| 2      | C1206C104K5RAC7800          | 80-C1206104K5RAC7867        | CAP CER 0.1uF 50V X7R 1206  | 15       | C2, C3, C4, C5, C9, C10, C12, C13, C14, C15, C17, C20, C21, C23, C25 |                  | 0             |
| 3      | C1206C103K5RAC              | 80-C1206C103K5RACTM         | CAP CER 0.01uF 50V X7R 1206   | 4        | C7, C8, C16, C19   |                  | 0             |
| 4      | CC1206MRY5V9BB105           | 603-CC126MRY5V9BB105        | CAP CER 1uF 50V Y5V 1206 20%  | 1        | C18  |                  | 0             |
| 5      | CL31A106KBHNNNE             | 187-CL31A106KBHNNNE         | CAP CER 10 UF 50V X7R 1206  | 2        | C6, C11  |                  | 0             |
| 6      | EEV107M035A9HAA             | 80-EEV107M035A9HAA          | Alum CAP SMD 35V 100uF 20%  | 1        | C22  |                  | 0             |
| 7      | K101J15C0GH5TL2             | 594-K101J15C0GH5TL2         | MLCC - Leaded 100pF 100V 5% C0G                                       | 3        | C24*   |                  | 0             |
| 8      | PCB SMA CONNECTORS          | 712-CONSMA001-G             | PCB Mount SMA Connectors - Female                                     | 2        | J1, J2   |                  | 0             |
| 9      | PTT Connection - IDC Pins   | 571-872242                  | IDC Pins - 1x2 on 2.54MM centers                                      | 1        | J3   |                  | 0             |
| 10     | Power Connector             | 651-1715721                 | Phoenix Terminal Power Connector                                      | 1        | J4   |                  | 0             |
| 11     | FB-43-101                   | KITSANDPARTS dot COM        | FB43 Small Bead - Single Pass Small Wire                              | 1        | L1   |                  | 1             |
| 12     | FT50-43 Core                | KITSANDPARTS dot COM        | FT50-43 Small Core w/ 7T #20 TFE wire.                                | 1        | L2   |                  | 1             |
| 13     | IRLML9301TRPBF              | 942-IRLML9301TRPBF          | IRLML9301TRPBF  | 1        | Q1   |                  | 1             |
| 15     | RD16HHF1                    | VARIOUS                     | RD16HHF1  | 2        | Q2, Q3   |                  | 2             |
| 16     | MMBT3904-HF                 | 750-MMBT3904-HF             | MMBT3904 SOT-23   | 1        | Q4   |                  | 1             |
| 17     | RC1206FR-075R1L             | 603-RC1206FR-075R1L         | SMD 5.1 Ohms 250 mW 1206 1%   | 2        | R10, R11   |                  | 0             |
| 18     | RC1206FR-076R8L             | 603-RC1206FR-076R8L         | SMD 6.8 Ohms 250 mW 1206 1%   | 1        | R1   |                  | 0             |
| 19     | RMCF1206FT100R              | 708-RMCF1206FT100R          | SMD 100 Ohms 250 mW 1206 1%   | 2        | R4, R5   |                  | 0             |
| 20     | CRCW1206680RFKEAC           | 71-CRCW1206680RFKEAC        | SMD 680 Ohms 250 mW 1206 1%   | 2        | R2, R3   |                  | 0             |
| 21     | RMCF1206FT750R              | 708-RMCF1206FT750R          | SMD 750 Ohms 250 mW 1206 1%   | 2        | R12, R13   |                  | 0             |
| 22     | RC1206FR-071KL              | 603-RC1206FR-071KL          | SMD 1000 Ohms 250 mW 1206 1%  | 11       | R6, R7, R8, R9, R14, R15, R16, R17, R18, R19, R23                    |                  | 0             |
| 23     | CR1206-FX-2201ELF           | 652-CR1206FX-2201ELF        | SMD 2.2K Ohms 250 mW 1206 1%  | 2        | R6*, R7*   |                  | 0             |
| 24     | WCR1206-10KFA               | 756-WCR1206-10KFA           | SMD 10K Ohms 250 mW 1206 1%   | 3        | R22, R24, R25*   |                  | 0             |
| 25     | 3296W-1-102LF               | 652-3296W-1-102LF           | Trim Res 1/4W 1Kohms 10% Vertical Adjust 3296W                        | 2        | R20, R21   |                  | 0             |
| 26     | BN-43-2402                  | KITSANDPARTS dot COM        | BN-43-2402 Wind with #30 Transformer Wire                             | 2        | T1, T2   |                  | 2             |
| 27     | BN-43-3312                  | KITSANDPARTS dot COM        | BN-43-3312 Wind with #20 PTFE Silver Plated Wire                      | 1        | T3   |                  | 1             |
| 28     | OPA2674ID                   | 595-OPA2674ID               | OPA2674ID   | 1        | U1   |                  | 1             |
| 29     | L78L09ACUTR                 | 511-L78L09ACU               | L78L09ACUTR   | 1        | U2   |                  | 1             |
| 30     | #30 Transformer Wire        | Remington Industries (eBay) | #30 Transformer Wire  | 3 ft     | For T1, T2   |                  | 1             |
| 31     | #20 PTFE Silver Plated Wire | eBay                        | #20 PTFE Coated Silver Plated Wire                                    | 2 ft     | For T3   |                  | 1             |
| 32     | PCB                         | K9HZ 20W PA PCB             | Custom K9HZ PCB   | 1        | PCB  |                  | 1             |
| 33     |                             | Search Amazon               | Aluminum Heat Heatsink 150mm(L) x69mm(W) x36mm(H) - \$12.99 delivered | 1        | HEATSINK   |                  | 0             |

\* = Options/ alternates - See Build Text