

WIZwiki W7500 V1.0 Partlist

| Item | Q.ty | Reference | Part | Tech. Characteristics | Package |
|------|------|---|-----------------------------------|---|---------------|
| 1 | 3 | C1, C4, C20 | 10uF/16V | Tantal CAP, 10uF/16V, +/-20% | EIA/IECQ 3216 |
| 2 | 3 | C2, C5, C28 | 1uF | 25V-20% Ceramic | CASE 0603 |
| 3 | 2 | C3, C6 | 18pF | 50V-5% Ceramic | CASE 0603 |
| 4 | 2 | C7, C8 | 12pF | 50V-5% Ceramic | CASE 0603 |
| 5 | 1 | C9 | 10nF | 50V-5% Ceramic | CASE 0603 |
| 6 | 11 | C10, C12, C13, C15, C16, C17, C18, C19, C24, C25, C26 | 0.1uF | 50V-5% Ceramic | CASE 0603 |
| 7 | 2 | C11, C14 | 22pF | 50V-5% Ceramic | CASE 0603 |
| 8 | 1 | C21 | 1n/2KV | 1nF/2kV Ceramic | CASE1808 |
| 9 | 2 | C22, C23 | 20pF | 50V-5% Ceramic | CASE 0603 |
| 10 | 1 | C27 | 4.7uF/16V | Tantal CAP, 4.7uF/16V, +/-20% | EIA/IECQ 3216 |
| 11 | 1 | C29 | 1uF/16V | Tantal CAP, 1uF/16V, +/-20% | EIA/IECQ 3216 |
| 12 | 2 | D1, D4 | LS-SF677RGB4-H | 3.5*2.8*1.9mm Surface Mount LED, RGB Full Color | SMD |
| 13 | 1 | D2 | 1SS181 | Ultra High Speed Switching Application | SC59 |
| 14 | 1 | D3 | BAT60A | Silicon Schottky Diode, 10V, 3A | SOD323 |
| 15 | 1 | J1 | 2.54mm 1x4 Pin Header DIP | 2.54mm 1x4 Pin Header DIP, Male | DIP |
| 16 | 1 | J2 | 1.27mm 2x5 Pin Header SMD | 1.27mm 2x5 Pin Header SMD, Male | SMD |
| 17 | 1 | J6 | NC | NC | SMD |
| 18 | 5 | J3, J4, J5, J8, J14 | 2.54mm 1x2 Pin Header DIP | 2.54mm 1x2 Pin Header DIP, Male | DIP |
| 19 | 1 | J7 | 2.54mm 2x9 Pin Header DIP | 2.54mm 2x9 Pin Header DIP, Male | DIP |
| 20 | 2 | J9, J12 | 2.54mm 1x8 Pin Header Socket DIP | 2.54mm 1x8 Pin Header Socket DIP, Female | DIP |
| 21 | 1 | J10 | 2.54mm 1x6 Pin Header Socket DIP | 2.54mm 1x6 Pin Header Socket DIP, Female | DIP |
| 22 | 1 | J11 | 2.54mm 1x10 Pin Header Socket DIP | 2.54mm 1x10 Pin Header Socket DIP, Female | DIP |
| 23 | 1 | J13 | 2.54mm 2x3 Pin Header DIP | 2.54mm 2x3 Pin Header DIP, Male | DIP |
| 24 | 5 | L1, L2, L3, L4, L5 | HH-1M1608-121JT | Bead for Power Line, 120[ohm] | CASE 0603 |
| 25 | 1 | LD1 | Red LED | CHIP-LED, Red | CASE 0603 |
| 26 | 1 | P1 | 67503-1030 | USB Mini B Type, SMD | SMD |
| 27 | 1 | P2 | 57-00013QL11-1 | RJ45 Tab UP, Slim type, With Transformer | DIP |
| 28 | 1 | P3 | 7MSDP-B0-1012 | Micro SD Card Socket | SMD |
| 29 | 1 | Q1 | MMBT4403 | PNP General-Purpose Amplifier | SOT23 |
| 30 | 8 | R1, R2, R25, R28, R29, R43, R44, R46 | 1K | 1/10W-5% SMD | CASE 0603 |
| 31 | 3 | R3, R4, R5 | 270R | 1/10W-5% SMD | CASE 0603 |
| 32 | 6 | R6, R8, R17, R21, R22, R47 | 0R | 1/10W-5% SMD | CASE 0603 |
| 33 | 1 | R7 | 1M | 1/10W-5% SMD | CASE 0603 |
| 34 | 4 | R9, R26, R27, R30 | NC | NC | CASE 0603 |
| 35 | 3 | R10, R11, R12 | 4.7K | 1/10W-5% SMD | CASE 0603 |
| 36 | 4 | R13, R14, R16, R19 | 10K | 1/10W-5% SMD | CASE 0603 |
| 37 | 2 | R15, R20 | 1.5K | 1/10W-5% SMD | CASE 0603 |
| 38 | 1 | R18 | 5.6K | 1/10W-5% SMD | CASE 0603 |

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| 39 | 2 | R23, R24 | 33R | 1/10W-5% SMD | CASE 0603 |
| 40 | 9 | R31, R32, R33, R36, R38, R39, R40, R41, R42 | 5.1K | 1/10W-5% SMD | CASE 0603 |
| 41 | 3 | R34, R35, R45 | 330R | 1/10W-5% SMD | CASE 0603 |
| 42 | 1 | R37 | 6.2K / 1% | 1/10W-1% SMD | CASE 0603 |
| 43 | 2 | SW1, SW2 | IT-1101NHA-180G | TACT Switch (SMD) | SMD |
| 44 | 1 | U1 | W7500 | WIZnet ARM Cortex-M0 | TQFP64 |
| 45 | 1 | U2 | LPC11U35FHI33/501 | 32-bit ARM Cortex-M0 microcontroller | HVQFN33 |
| 46 | 1 | U3 | IP101GA | Single Port 10/100 MII/RMII/TP/Fiber Fast Ethernet | LQFP48 |
| 47 | 1 | U4 | AME8815BEGT330Z | 1.5A CMOS LDO | SOT223 |
| 48 | 1 | Y1 | 8MHz (SX-1) | X-tal 8MHz, CL=18pF, ATS Type | SMD |
| 49 | 1 | Y2 | 32.768KHz (CH-206) | X-tal 32.768KHz, CL=12.5pF | DIP |
| 50 | 1 | Y3 | 12MHz (TZ1067B-12MHz) | X-tal 12MHz, 3.2x2.5 SMD, CL=20pF | SMD3225, 4-PAD |
| 51 | 1 | Y4 | 25MHz (82J0626-25MHz) | X-tal 25MHz, 3.2x2.5 SMD, CL=18pF | SMD3225, 4-PAD |
| 52 | 3 | | 2P Jumper CAP | 2P Jumper CAP | J3, J4, J5 에 장착 |
| 53 | 1 | | PCB | 2-Layer, 83.71mm x 55.44mm, PCB Color : Red, Silk Color : White | |