

| Item | Quantity | Reference | Description | Vendor | Vendor Part Number |
|------|----------|--|---|--------------------------|--------------------|
| 1 | 76 | C1, C2, C9, C12, C14, C17, C20, C23, C26, C34, C36, C37, C38, C39, C40, C41, C42, C43, C52, C54, C65, C72, C76, C85, C91, C93, C98, C103, C109, C113, C123, C124, C126, C127, C129, C130, C133, C135, C136, C139, C140, C145, C150, C151, C154, C158, C163, C170, C192, C198, C210, C214, C230, C244, C246, C249, C252, C254, C258, C259, C260, C263, C264, C271, C272, C275, C277, C278, C281, C285, C286, C291, C292, C298, C299, C300, C301, C302, C303, C305, C307 | CAP,0402,X5R,0.1uF,+/- 10%, 10V | TAIYO YUDEN | LMK105BJ104KV |
| 2 | 14 | C3, C5, C73, C99, C131, C143, C180, C248, C251, C253, C257, C270, C273, C280 | CAP,1206,X5R,4.7uF,+/- 10%, 16V | TAIYO YUDEN | EMK316BJ475KL |
| 3 | 14 | C7, C8, C10, C11, C28, C44, C50, C86, C171, C190, C239, C240, C268, C269 | CAP,0805,X5R,2.2uF, +/- 10%, 10V | TAIYO YUDEN | LMK212BJ225KG |
| 4 | 37 | C13, C15, C16, C18, C19, C21, C22, C24, C25, C27, C53, C55, C120, C125, C134, C137, C138, C144, C161, C162, C177, C182, C201, C209, C215, C245, C247, C250, C255, C261, C262, C265, C267, C274, C276, C304, C306 | CAP,0402,X5R,0.01uF,+/- 10%, 25V | TAIYO YUDEN | TMK105BJ103KV |
| 5 | 16 | C29, C30, C58, C66, C74, C88, C89, C90, C94, C95, C97, C100, C102, C105, C213, C218 | CAP,0402,NPO,2.2pF,+/- 0.25pF, 50V | PHYCOMP | 0402CG229C9B200 |
| 6 | 39 | C32, C60, C64, C68, C70, C82, C92, C106, C107, C108, C114, C117, C155, C156, C159, C164, C165, C166, C172, C176, C178, C183, C189, C194, C195, C203, C205, C206, C208, C211, C216, C219, C221, C223, C227, C229, C235, C237, C242 | CAP,0402,NPO,10pF, +/- 5%, 50V | PHYCOMP | 0402CG100J9B200 |
| 7 | 5 | C45, C111, C112, C193, C57 | CAP,0402,NPO,0.5pF,+/- 0.1pF, 25V | JOHANSON TECHNOLOGY | 250R07C0R5BV4 |
| 8 | 1 | C46 | CAP,0402,NPO,1.2pF, +/- 0.25pF, 50V | PHYCOMP | 0402CG129C9B200 |
| 9 | 6 | C48, C59, C80, C96, C148, C212 | CAP,0603,X5R,1uF,+/- 10%, 10V | TAIYO YUDEN | LMK107BJ105KA |
| 10 | 17 | C49, C63, C67, C69, C83, C115, C116, C157, C160, C167, C179, C188, C197, C224, C225, C228, C236 | CAP,0402,NPO,1pF,+/- 0.25pF,50V | PHYCOMP | 0402CG109C9B200 |
| 11 | 3 | C62, C61, R94 | CAP,0402,NPO,47pF,+/- 5%, 50V | PHYCOMP | 0402CG470J9B200 |
| 12 | 2 | C77, C71 | CAP,1206,X5R,10uF,+/-10%, 6.3V, 1.6mm tall | TAIYO YUDEN | JMK316BJ106KL |
| 13 | 3 | C75, C110, C233 | CAP,0402,NPO,120pF,+/- 5%, 50V | PHYCOMP | 0402CG121J9B200 |
| 14 | 7 | C78, C152, C169, C181, C191, C220, C232 | CAP,0402,NPO,22pF,+/- 5%, 50V | PHYCOMP | 0402CG220J9B200 |
| 15 | 9 | C79, C81, C118, C122, C147, C234, C238, C243, C266 | CAP,0402,X7R,330pF,+/- 10%, 50V | PHYCOMP | 04022R331K9B20D |
| 16 | 2 | C119, C104 | CAP,0402,NPO,15pF,+/- 5%, 50V | PHYCOMP | 0402CG150J9B200 |
| 17 | 3 | C128, C402, C403 | CAP,0402,NPO,100pF,+/- 5%, 50V | PHYCOMP | 0402CG101J9B200 |
| 18 | 1 | C146 | CAP,0402,NPO,1.8pF,+/- 0.25pF,50V | PHYCOMP | 0402CG189C9B200 |
| 19 | 1 | C168 | CAP,0603,NPO,15pF,+/- 2%, 50V | KEMET | 0603C150G5GACTU |
| 20 | 3 | C174, C217, C226 | CAP,0402,NPO,1.5pF,+/- 0.25pF, 50V | PHYCOMP | 0402CG159C9B200 |
| 21 | 1 | C175 | CAP,0402,NPO,3.9pF,+/- 0.25pF, 50V | PHYCOMP | 0402CG399C9B200 |
| 22 | 2 | C196, C204 | CAP,0402,NPO,2.7pF,+/- 0.25pF, 50V | PHYCOMP | 0402CG279C9B200 |
| 23 | 3 | C200, C231, C241 | CAP,0402,X7R,470pF,+/- 10%, 50V | TAIYO YUDEN | UMK105BJ471KV |
| 24 | 1 | C279 | CAP,TANTB,33uF,+/- 20%, 10V | PANASONIC | ECS-T1AX336R |
| 25 | 1 | C282 | CAP,1206,X5R,22uF,+/- 10%, 6.3V, 1.6mm tall | TAIYO YUDEN | JMK316BJ226KL |
| 26 | 25 | L15, L18, L22, R30, R31, R35, R37, R41, R51, R52, R81, R83, R86, R95, R96, R98, R119, C284, R163, R164, R165, R166, R40, R47, R170 | RES,0402,0 OHMS, +/- 5%, 1/16W | R. G. ALLEN CO | CR10B000JT |
| 27 | DNP | | LED,TH,RT,3MM DOME,GR/Y | SUN LED | XNN1LUGY86M |
| 28 | 3 | DS3, DS5, DS8 | LED,TH,RT,3MM DOME, GREEN | LUMEX | SSF-LXH103GD |
| 29 | 2 | D3, D1 | DIO,SINGLE_SC-79,SCHOTTKY DETECTOR | Skyworks Solutions | SMS7621-079 |
| 31 | 1 | F3 | RF_SPEC,BAND PASS FILTER,5GHz | TDK | DEA205425BT-2028A4 |
| 32 | 1 | F4 | RF_SPEC,BALUN,5GHz | TDK | HHM1570B1 |
| 33 | DNP | F7, F5 | DIPLEXER,SMD,6PIN | NTK | LDG0UQD-3060C |
| 34 | 1 | F8 | RF_SPEC,BAND PASS FILTER,5GHz | MURATA | LFB215G37SG8A185 |
| 35 | 1 | F10 | RF_SPEC,BAND PASS FILTER,2.4GHz | MURATA | LFB2H2G45SG7A204 |
| 36 | 1 | F12 | RF_SPEC,BALUN,2.4GHz | TDK | HHM1517 |
| 37 | 1 | F13 | RF_SPEC,BAND PASS FILTER,2.4GHz | TDK | DEA252400BT-2030A1 |
| 38 | 1 | JP1 | CON,TH,6X2,.1X.1,Gold Plated, 12 Pin | SULLINS ELECTRONICS CORP | PZC06DAAN |
| 39 | 1 | J1 | CON,TH,7X2,.1X.1,Gold Plated, 14 Pin | SULLINS ELECTRONICS CORP | PZC07DAAN |
| 40 | DNP | | CON,TH,4X Ethernet Jack with Magnetics | SPEEDTECH | P64-13Z-0AG9 |
| 41 | DNP | | CON JACK POWER 1.3mm PCB | CUI STACK INC. | PJ-013D |
| 42 | DNP | | CON,TH,Ethernet Jack with Magnetics | SPEEDTECH | P02-B02-1AG9 |
| 43 | DNP | J5, J6, J7, J8, J13, J14 | CON,Ultra-Miniature Coax | Hirose | U.FL-R-SMT (01) |
| 44 | 3 | L32, L33, L34 | FER_0805,BK2125 | TAIYO YUDEN | LFBK2125LM252 |
| 45 | 4 | L3, L5, L7, L10 | FER,0603,600 OHM +/- 25%, 200mA | MURATA | BLM18AG601SN1 |
| 46 | 4 | L4, L8, L9, L29 | IND,0402,1.8nH,+/- 0.1nH | MURATA | LQP15MN1N8B02 |
| 47 | 2 | L23, L21 | IND,0402,8.2nH,+/- 5% | MURATA | LQG15HN8N2J02 |
| 48 | 2 | L24, L27 | IND,0402,3.3nH,+/- 0.1nH | MURATA | LQP15MN3N3B02 |
| 49 | 2 | L30, L26 | IND,0402,3.9nH,+/- 0.1nH | MURATA | LQP15MN3N9B02 |
| 50 | 1 | L28 | IND,0402,18nH,+/- 5% | MURATA | LQG15HN18NJ02 |
| 51 | 1 | L31 | IND,0402,6.8nH,+/- 5% | MURATA | LQG15HN6N8J02 |
| 52 | 2 | L35, L36 | FER,1206,80 OHM,3A | STEWART | HI1206N800R-00 |
| 53 | 4 | Q1, Q2, Q4, Q9 | SOT-23 / PNP_350MW | CENTRAL SEMI | CMPT3906 |
| 54 | 1 | Q3 | RF_SPEC,HEMT,SOT-343,LNA,5GHz | AGILENT | ATF-55143 |
| 55 | 2 | Q8, Q5 | SOT-23 / NPN_350MW | CENTRAL SEMI | CMPT3904 |
| 56 | 1 | Q7 | RF_SPEC,LNA,2.4GHz | Sirentza | SGA-8343 |
| 57 | 2 | RP8, RP1 | RPAK,4X0603,10K OHMS, +/- 5% | CTS | 742X083103J |
| 58 | 6 | RP2, RP3, RP4, RP5, RP6, RP7 | RPAK,4X0603, 56 OHMS, +/- 5% | CTS | 742X083560J |
| 59 | 15 | R1, R50, R55, R76, R112, R127, R135, R136, R139, R142, R149, R151, R152, R153, R154 | RES,0402,10K OHMS, +/- 5%, 1/16 W | R. G. ALLEN CO | CR10B103JT |
| 60 | 6 | R2, R143, R144, R145, R150, R175 | RES,0402,270 OHMS, +/- 5%, 1/16W | R. G. ALLEN CO | CR10B271JT |
| 61 | 25 | R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R33, R62, R97, R116, R118 | RES,0402,49.9 OHMS, +/- 1%, 1/16W | R. G. ALLEN CO | CR10A49R9FT |
| 62 | 2 | R24, R56 | RES,0402,221 OHMS, +/- 1%, 1/16 W | R. G. ALLEN CO | CR10A2210FT |
| 63 | 0 | | RES,0402,1K OHMS, +/- 5%, 1/16 W | R. G. ALLEN CO | CR10B102JT |
| 64 | 2 | R27, R53 | RES,0402,510 OHMS, +/- 5%, 1/16 W | R. G. ALLEN CO | CR10B511JT |
| 65 | 2 | R87, R88 | RES,0402,100 OHMS, +/- 1%, 1/16W | R. G. ALLEN CO | CR10A1000FT |
| 66 | 2 | R101, R34 | RES,0402,200 OHMS, +/- 5%, 1/16 W | R. G. ALLEN CO | CR10B201JT |

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|------|----------|--|--|----------------------------|-----------------------|
| 67 | 3 | R36, R82, R103 | RES,0402,6.19K OHMS, +/- 1%, 1/16 W | R. G. ALLEN CO | CR10A6191FT |
| 68 | 2 | R125, R38 | RES,0402,3.09K OHMS, +/- 1%, 1/16W | R. G. ALLEN CO | CR10A3091FT |
| 69 | DNP | | RES,0402,10 OHMS, +/- 5%, 1/16W | R. G. ALLEN CO | CR10B100JT |
| 70 | 1 | R42 | RES,0402,2K OHMS, +/- 1%, 1/16 W | R. G. ALLEN CO | CR10A202FT |
| 71 | 1 | R44 | RES,0402,2K OHMS, +/- 5%, 1/16 W | R. G. ALLEN CO | CR10B202JT |
| 72 | 2 | R120, R45 | RES,0402,15 OHMS, +/- 1%, 1/16 W | R. G. ALLEN CO | CR10A15R0FT |
| 73 | 1 | R49 | RES,0402,68 OHMS, +/- 5%, 1/16 W | R. G. ALLEN CO | CR10B680JT |
| 74 | 11 | R57, R63, R122, R140, R157, R167, R168, R171, R172, R173, R174 | RES,0402,10K OHMS, +/- 1%, 1/16 W | R. G. ALLEN CO | CR10A1002FT |
| 75 | 2 | R123, R58 | RES,0402,3.57K OHMS, +/- 1%, 1/16 W | R. G. ALLEN CO | CR10A3571FT |
| 76 | 18 | R59, R68, R69, R70, R71, R72, R73, R74, R107, R129, R130, R131, R132, R133, R134, R137, R155, R156 | RES,0402,33 OHMS, +/- 5%, 1/16 W | R. G. ALLEN CO | CR10B330JT |
| 77 | 3 | R61, R117, R126 | RES,0402,1.1K OHMS, +/- 1%, 1/16W | R. G. ALLEN CO | CR10A1101FT |
| 78 | 1 | R64 | RES,0402,158 OHMS, +/- 1%, 1/16W | R. G. ALLEN CO | CR10A1580FT |
| 79 | 2 | R66, R65 | RES,0402,220 OHMS, +/- 1%, 1/16W | R. G. ALLEN CO | CR10A2200FT |
| 80 | 1 | R78 | RES,0402,1M OHMS, +/- 5%, 1/16 W | R. G. ALLEN CO | CR10B105JT |
| 81 | 1 | R80 | RES,0402,348 OHMS, +/- 1%, 1/16W | R. G. ALLEN CO | CR10A3480FT |
| 82 | 10 | R84, R92, R104, R105, R106, R108, R110, R111, R158, R159 | RES,0402,56 OHMS, +/- 5%, 1/16W | R. G. ALLEN CO | CR10B560JT |
| 83 | 1 | R85 | RES,0402,200 OHMS, +/- 1%, 1/16W | R. G. ALLEN CO | CR10A2000FT |
| 84 | 2 | R89, R93 | RES,0402,133 OHMS, +/- 1%, 1/16W | R. G. ALLEN CO | CR10A1330FT |
| 85 | 1 | R91 | RES,0402,3K OHMS, +/- 5%, 1/16 W | R. G. ALLEN CO | CR10B302JT |
| 86 | 1 | R113 | RES,0402,390 OHMS, +/- 5%, 1/16 W | R. G. ALLEN CO | CR10B391JT |
| 87 | 1 | R124 | RES,0402,1 OHMS, +/- 5%, 1/16W | R. G. ALLEN CO | CR10B1R0JT |
| 88 | 1 | R128 | RES,0402,249 OHMS, +/- 1%, 1/16W | R. G. ALLEN CO | CR10A2490FT |
| 89 | 1 | R138 | RES,0402,750 OHMS, +/- 1%, 1/16W | R. G. ALLEN CO | CR10A7500FT |
| 90 | DNP | SW1 | LT SWITCH RT ANGLE L3.15MM 100GF T/H | PANASONIC | EVQ-PF003M |
| 91 | 2 | S2, S1 | RF_SPEC,SWI,DPDT Diversity | M/A-COM | MASWSS0094 |
| 92 | 1 | U2 | RF_SPEC,PA,5 GHz | Microsemi | LX5506BLQ |
| 93 | 1 | U3 | AR5112, 64 LLCC RADIO, DUAL BAND, (DERBY) | ATHEROS | AR5112 |
| 94 | 1 | U9 | AR2112, 64 LLCC RADIO, 2.4GHz ONLY, (DERBY) | ATHEROS | AR2112 |
| 95 | 1 | U4 | IC 74LCX04 HEX INVERTER 14-SOIC | TOSHIBA | TC74LCX04FN |
| 96 | 1 | U5 | IC,PQFP128,Integrated 6 Port 10/100 Eth Switch | Marvell | 88E6060-RCJ |
| 97 | 2 | U6, U12 | IC,SM,US8,Ultra High Speed Triple Buffer | FAIRCHILD SEMI | NC7NZ34K8X |
| 98 | 1 | U7 | IC,TSSOP86,SDRAM,16MB, X32, 143MHz | MICRON | MT48LC4M32BTG-7 |
| 99 | 1 | U8 | RF_SPEC,PA,2.4GHz | Microsemi | LX5510LQ |
| 100 | 1 | U10 | AR5312,BGA 484,Processor with 2 Basebands,(FREEDOM) | ATHEROS | AR5312 |
| 101 | 1 | U11 | IC, TSSOP48, FLASH,2Mx16 | Silicon Storage Technology | SST39VF3201-70-4I-EK |
| 102 | 2 | VR1, VR3 | REG,SM,SOT-223,600mA,3.3V,LDO | AME | AME8805AEGT |
| 103 | 2 | VR2, VR5 | REG,SOT-89,600mA,2.5V,LDO | AME | AME8805DEFT |
| 104 | 1 | VR6 | REG,SO8,600mA, Adjustable, CMOS LDO | AME | AME8807AEHA |
| 105 | 1 | Y1 | XTAL,SMD,25MHz,2pin,+/- 30ppm,Load Cap 18pF | ECS Inc. | ECS-250-18-5P-F |
| 106 | 1 | Y2 | XTAL,SMD,40MHz,4pin,+/- 18PPM_LEADLESS CRYSTAL (CL=15pF) | KINSEKI LMT.(KSS) | CX-96F-40 |
| 107 | 5 | L1, L2, L6, L14, L19 | IND,0603,1.0nH,+/- 0.3nH | TDK | MLG1608B1N0S |
| 108 | 2 | C185, C186 | CAP,0402,NPO,6.8pF,+/- 0.25pF, 50V | PHYCOMP | 0402CG689C9B200 |
| 109 | 3 | C288, C289, C290 | CAP,1206,X7R,0.1uF,+/- 10%, 50V | PHYCOMP | 12062R104K9BB0 |
| 110 | 1 | C149 | CAP,0603,NPO,18pF,+/- 2%, 50V | KEMET | 0603C180G5GACTU |
| 111 | 1 | U14 | IC, RS232 Transceiver | Intersil | ICL3221CV |
| 112 | DNP | | Connector 3-pin, Right Angle | Molex | 43650-0300 |
| 113 | 1 | D4 | Diode, Schottky | On-Semi | MBRS340T3 |
| 114 | 1 | D5 | Diode, Zener | On-Semi | 1SMC5.0AT3 |
| 115 | DNP | J10 | CON, 2-pin, Right-Angle | Molex | 43650-0200 |
| 116 | DNP | J11, J12 | CON, SMA, End Launch PCB | Anphenol | 132255 |
| 118 | 1 | J15 | Header 0.100" Center | NA | NA |
| 119 | 1 | R28 | RES,0402,162 OHMS, +/- 1%, 1/16W | R. G. ALLEN CO | CR10A1620FT |
| 120 | 1 | R29 | RES,0402,150 OHMS, +/- 1%, 1/16W | R. G. ALLEN CO | CR10A1500FT |
| 121 | 1 | R46 | IND,0402,3.4nH,+/- 0.1nH | CoilCraft | 0402PA-3N4XGBU |
| 122 | 1 | L100 | IND,0402,1.9nH,+/- 0.1nH | CoilCraft | 0402PA-1N9XGBU |
| 123 | 1 | L101 | IND,4.7uH | Inductors Inc | CTDT3316P-472 |
| 124 | 1 | U1 | IC,SOT143,RESET MONITOR,2.63V THRESHOLD | Maxim | MAX811SEUS |
| 125 | 1 | | Printed Circuit Board | Tyco | DMM081001, Rev B |
| 126 | DNP | | Shield | Speed Tech | X0089-401-02 |
| 127 | 1 | | | | |
| 128 | 1 | P6 | DB15 mini | Samtec | DSM-SM-E-15-P-S-FB-FT |
| 129 | 2 | P3, P5 | 10/100 Base RJ45 | Bel | 0810-1G1T-06 |
| 130 | 1 | U15 | SN74ALVC125 | TI | SN74ALVC125DGVR |
| 131 | 1 | U16 | PLD | Altera | EPM570T100C3 |
| 132 | 2 | J16, J17 | Header, SMT, 2x5 | | TMS-105-01-T-DV |
| 133 | | | | | |
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No Load Components

| Item | Quantity | Reference | Description | Vendor | Vendor Part Number |
|------|----------|--|---------------------|--------------|--------------------|
| 1 | DNP | C6, C31, C33, C47, C56, C84, C87, C101, C132, C141, C142, C153, C173, C184, C187, C199, C202, C207, C222, C283, C293, C295, C297 | CAP,0402 | DO NOT STUFF | |
| 2 | DNP | C35, C51, C287, C294 | CAP,1206 | DO NOT STUFF | |
| 4 | DNP | C296 | CAP,0805 | DO NOT STUFF | |
| 5 | DNP | L12, L16, L20, L37 | RECORD NOT FOUND | | |
| 6 | DNP | L17 | IND,0603 | DO NOT STUFF | |
| 7 | DNP | L25 | IND,0402 | DO NOT STUFF | |
| 8 | DNP | Q6 | TRA,SOT-23 | DO NOT STUFF | |
| 9 | DNP | R3, R25, R26, R32, R39, R43, R48, R54, R60, R67, R75, R77, R79, R90, R100, R102, R109, R114, R115, R121, R160, R161, R162 | RES,0402 | DO NOT STUFF | |
| 10 | DNP | U13 | IC,TSOP54,SDRAM X16 | DO NOT STUFF | |
| 11 | DNP | J7, J8 | CON | DO NOT STUFF | |
| 12 | DNP | VR7 | RECORD NOT FOUND | | |
| 13 | DNP | VR4 | | | |