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|------------|--|---------------------------|--|------------|
| 1. | Intergrated Circuits | | | |
| S/N | Item p/n & description | Package | Reference | Qty |
| 1.1 | Serial 32Kbit EEPROM P/N:M24C32WMN6TP | JEDEC SOIC-8PIN | U2 | 1 |
| 1.2 | GaAs DC-6 GHz DPDT Switch 2.0 - 6.0 GHz P/N:HWS465 | QFN12L(3X3mm) | S1,S2 | 2 |
| 1.3 | 4.9-5.8GHz High-linearity Power Amplifier P/N:SST11LP12-QVCE | 16PIN 3.3MM Square QFN | U7,U8 | 2 |
| 1.4 | AR9220-AC1E,802.11n,2x2,MIMO MAC/BB/RADIO,2.4 AND 5GHz WLAN,BGA | BGA | U6 | 1 |
| | | | | |
| 2. | Transistors/Regulators | | | |
| S/N | Item description | Package | Reference | Qty |
| 2.1 | REG,RT8010,1.5MHz,1A,STEP-DWN CONV,DFN | DFN-8 | VR1 | 1 |
| 2.2 | REG,SM,SOT-89,600mA,1.8V,LDO P/N:AME8805MEFTZ | SOT-89 | VR2 | 1 |
| | | | | |
| 3. | Resistors | | | |
| S/N | Item description | Package | Reference | Qty |
| 3.1 | RES,0402,10K OHMS,+/-5%,1/16W P/N:RR0510S-103-JN | 0402 | R11,R12,R78,R79,R233,R234 | 6 |
| 3.2 | RES,0402,0 OHMS,+/-5%,1/16W P/N:RR0510X-000-XN | 0402 | R235,R236,R237,R238,R243,R250,R7,R21,R25 ,R26,RU7_3,RU8_3 | 12 |
| 3.3 | RES,0402,6.19K OHMS,+/-1%,1/16W P/N:RR0510S-6191-FN | 0402 | R16 | 1 |
| 3.4 | 5.1R 1/16W 1% P/N:RC0402FR-075R1 | 0402 | R28,R29 | 2 |
| 3.5 | 10R 1/16W 5% P/N:RR0510S-100-JN | 0402 | R194, | 1 |
| 3.6 | 47R 1/16W 5% P/N:RR0510S-470-JN | 0402 | R4,R24 | 2 |

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| 3.7 | 1.1Kohms 1/16W 5% P/N:RR0510S-112-JN | 0402 | R9,R23 | 2 |
| 3.8 | RES,0402,18 OHMS,+/-5%,1/16W P/N:RC0402JR-0718RL | 0402 | R162,R163 | 2 |
| 3.9 | 24R 1/16W 5% P/N:RR0510S-240-JN | 0402 | RU7_1,RU8_1 | 2 |
| 3.10 | 49.9R 1/16W 1% P/N:RR0510S-49R9-FN | 0402 | R229,R230,R52,R53 | 4 |
| 3.11 | 110R 1/16W 1% P/N RC0402FR-07110RL | 402 | RU7_2,RU8_2, | 2 |
| 3.12 | 0R 1/10W 5% P/N:9C06031A0R00JLPFT | 0603 | R31, R178, R200,R227 | 4 |
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| 4. | Resistor Packs (R.P.) | | | |
| S/N | Item description | Package | Reference | Qty |
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| 5. | Capacitors | | | |
| S/N | Item description | Package | Reference | Qty |
| 5.1 | 0.3pF 50V Multilayer +/-0.1pF NPO (LEAD FREE) | 0402 | CU7_11,CU8_11 | 2 |
| 5.1s | 0.3pF 50V Multilayer +/-0.1pF NPO (LEAD FREE) | 0402 | CU7_11,CU8_11 | 2 |
| 5.2 | 0.5pF 50V Multilayer +/-0.1pF NPO (LEAD FREE) P/N:500R07S0R5BV4T | 0402 | CU7_2,CU8_2 | 2 |
| 5.3 | 1.0pF 50V Multilayer +/-0.25pF NPO (LEAD FREE) P/N:GJM1555C1H1R0CB01D | 0402 | C51,C56,C59,C60 | 4 |

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| 5.3s | 1.0pF 50V Multilayer +/-0.25pF NPO (LEAD FREE) P/N:0402CG109C9B200 | 0402 | C51,C56,C59,C60 | 4 |
| 5.3s | 1.0pF 50V Multilayer +/-0.25pF NPO (LEAD FREE) P/N:500R07S1R0CV4T | 0402 | C51,C56,C59,C60 | 4 |
| 5.4 | 2.2pF 50V Multilayer +/-0.25pF NPO P/N:GJM1555C1H2R2CB01D | 0402 | C34,C97,L29,L30 | 4 |
| 5.5 | 0.1uF 10V Multilayer +/-10% X5R (LEAD FREE) P/N:GRM155R61A104KA01D | 0402 | C123,C124,C126,C128,C129,C130,C132,C133,C134,C136,C137, C152,C155,C386,C391,C392,C435,CU7_3,CU7_4,CU7_7,CU8_3, CU8_4,CU8_7, | 23 |
| 5.6 | 100pF 50V Multilayer +/-5% NPO (LEAD FREE) P/N:GRM1555C1H101JZ01D | 0402 | C382,C395,C396,C397,C398,C406,C407,C408,C410,C412,C383, C393,C394,C400,C402,C403,CU7_6,CU8_6,CU7_14,CU8_14 | 20 |
| 5.6s | 100pF 50V Multilayer +/-5% NPO (LEAD FREE) P/N:0402CG101J9B200 | 0402 | C382,C395,C396,C397,C398,C406,C407,C408,C410,C412,C383, C393,C394,C400,C402,C403,CU7_6,CU8_6,CU7_14,CU8_14 | 20 |
| 5.7 | 0.01uF 25V Multilayer +/-10% X7R (LEAD FREE) | 0402 | C20,C21,C174 | 3 |
| 5.8 | CAP,0402,NPO,0.75pF,+/-0.1pF,50V P/N:GJM1555C1HR75CB01D | 0402 | C96,C99,C372,C373 | 4 |
| 5.9 | CAP,0402,X7R,1500pF,+/-10%,50V P/N:GRM155R71H152KA01D | 0402 | C139 | 1 |
| 5.10 | CAP,0402,X5R,0.22uF,+/-10%,6.3V P/N:GRM155R60J224K | 0402 | C2,C117,C118,C121,C122,C142,C153,C154,C159,C378,C381,C3 84,C388,C389,C390,C409,C411 | 17 |
| 5.11 | 3.3pF 50V Multilayer +/-0.25pF NPO (LEAD FREE) P/N:GJM1555C1H3R3CB01D | 0402 | CU7_5,CU8_5 | 2 |
| 5.11s | 3.3pF 50V Multilayer +/-0.25pF NPO (LEAD FREE) P/N:500R07S3R3CV4T | 0402 | CU7_5,CU8_5 | 2 |
| 5.12 | 3.9pF 50V Multilayer +/-0.25pF NPO (LEAD FREE) P/N:GJM1555C1H3R9CB01D | 0402 | CU7_9,CU8_9,C376,C380 | 4 |

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| 5.12s | 3.9pF 50V Multilayer +/-0.25pF NPO (LEAD FREE) P/N:0402CG399C9B200 | 0402 | CU7_9,CU8_9,C376,C380 | 4 |
| 5.12s | 3.9pF 50V Multilayer +/-0.25pF NPO (LEAD FREE) P/N:500R07S3R9CV4T | 0402 | CU7_9,CU8_9,C376,C380 | 4 |
| 5.13 | 2.2uF 16V Multilayer +/-10% X5R P/N:GRM21BR61C225KA88L | 0805 | C168, C422 | 2 |
| 5.14 | 10pF 50V Multilayer +/-5% NPO (LEAD FREE) P/N:GJM1555C1H100JB01D | 0402 | C23,C35,C52,C53,C54,C55,CU7_1,CU8_1,C119,C120,C125,C127,C3,C38,C17,C24,C25,C36,C37,cu8_13,cu8_12,cu7_13,cu7_12 | 23 |
| 5.14s | 10pF 50V Multilayer +/-5% NPO (LEAD FREE) P/N:0402CG100J9B200 | 0402 | C23,C35,C52,C53,C54,C55,CU7_1,CU8_1,C119,C120,C125,C127,C3,C38,C17,C24,C25,C36,C37,cu8_13,cu8_12,cu7_13,cu7_12 | 23 |
| 5.14s | 10pF 50V Multilayer +/-5% NPO (LEAD FREE) P/N:500R07S100JV4T | 0402 | C23,C35,C52,C53,C54,C55,CU7_1,CU8_1,C119,C120,C125,C127,C3,C38,C17,C24,C25,C36,C37,cu8_13,cu8_12,cu7_13,cu7_12 | 23 |
| 5.15 | CAP,1206,X5R,22uF,+/-10%,6.3V,1.6mm_tall | 1206 | C86,C149,C150,C151 | 4 |
| 5.16 | 22uF, 6.3V, +/-20%, Multilayer (LEAD FREE) | 1206 | CU7_8,CU8_8 | 2 |
| 5.17 | CAP,1206,X5R,47uF,+/-10%,6.3V,1.6mm_tall | 1206 | C167,C169 | 2 |
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| 6. | I.C. Sockets & Connectors | | | |
| S/N | Item p/n & description | Package | Reference | Qty |
| 6.1 | MMCX straight PCB mount Jack P/N:25-002AA-T | Hole | J5,J8 | 2 |
| | | | | |
| 7. | Miscellaneous | | | |
| S/N | Item p/n & description | Package | Reference | Qty |
| 7.1 | LNA for 5GHz UNII Band 802.11a Systems P/N: TQL5000 | SLIM-7 | F11,F12 | 2 |
| 7.2 | XTAL,CXO,SM,40MHz,1.8V,+/-10PPM | SMD-4PIN | Y4 | 1 |

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| 7.3 | IND,0402,4.3nH+/-0.1nH P/N:LQP15MN4N3B02D | 402 | c18,c423 | 2 |
| 7.4 | IND,0402,1.8nH+/-0.1nH P/N:LQP15MN1N8B02D | 0402 | L38,L39 | 2 |
| 7.5 | IND,1210,2.2uH,+/-30% P/N:LQH32CN2R2M53K | 1210 | L18 | 1 |
| 7.6 | IND,0402,1.2nH+/-0.1nH P/N:LQP15MN1N2B02D | 0402 | C375,C377 | 2 |
| 7.7 | RF_SPEC,BAND PASS FILTER,5GHz (LEAD FREE) P/N:LFB215G37SG8A185 | SMD | F8,F10 | 2 |
| 7.8 | Schottky Diode Atheros Chip Set P/N:SMS7630-996LF | SC-79 | D1, D3 | 2 |
| 7.9 | PCB of WLM200N5 23 Rev. 1.01; size: 2.025 x 2.346 inch (LEAD FREE) Thickness: 39 mils; 4-Layer | | | 1 |

HDFLOW3 Receiver BOM

DOC. Date 2014. 12. 23
DOC. Revision No. Ver. 1.0

| No. | ERP CODE | Part Name | Part No. | Description | Q'ty | Package | Manufacturer | Reference | Remark |
|-----|---------------------|----------------------|--|---|------|----------------------|--------------------|--|--------------|
| 1 | HDW300330010010000 | IC | MCIMX6U5DVM10AC | IC MCU MX6DUAL LITE ARM CORTEX-A9 FBGA624 | 1 | BGA624_0P8_21X21 | FREESCALE | U1 | |
| 2 | HDW300330010020000 | IC | MT41K128M16JT-125,K | IC MEM DDR3 SDRAM 2Gb 128MX16 1.35V FBGA96 | 4 | BGA96_0p8_8p15x14p15 | MICRON | U2,U3,U4,U5 | |
| 3 | HDW300330010030000 | IC | SDN7DL2-8GIMTFCBGA96AAM-1M WTI | IC INAND MEM FLASH 8GB 2.7-3.6V TFBGA153 | 1 | BGA153_0p5_11.5x13 | SANDISK | U6 | |
| 4 | HDW300330010040000 | IC | M25P32-VMMW6TG(N25Q032A13E5E40 | IC MEM SERIAL FLASH 32MBIT 2.7-3.6V SO8W | 1 | SO8WST | MICRON | U7 | |
| 5 | HDW300330010050000 | IC | AR8031-AL1A | IC XCVR ETHERNET PHY 10/100/1000G-BIT 3.3V QFN48 | 1 | QFN48_0p4_6x6mm_epad | ATHEROS | U8 | |
| 6 | HDW300330010060000 | IC | NC7PS125P5X | IC BUF TS 0.9-3.6V | 1 | SC70-5_A | FAIRCHILD | U43 | |
| 7 | HDW300330010070000 | IC | NST3904DXV6T1G | DUAL GENERAL PURPOSE TR SOT-563 | 2 | SOT-563 | ONSEMI | U49,U50 | |
| 8 | HDW300330010090000 | IC | CS4270-CZZ | MULTI BIT AUDIO D/A CONVERTER, 192KHz | 1 | TSSOP-24 | CIRRUS LOGIC | U45 | |
| 9 | HDW300330010100000 | IC | MC33202DR2G | Low Voltage OP-AMP | 1 | SO-8 | ONSEMI | U48 | |
| 10 | IDRVUJ3300101100000 | IC | EUP3476DIR1 | DCDC, 3A, 28V, 500KHZ | 4 | SOP-8 | EUTECH | U25,U27,U33,U37 | |
| 11 | HDW300330010130000 | IC | MMPF0100FOAEP | IC POWER MANAGEMENT CONSUMER/INDUSTRIAL QFN56 | 1 | QFN56_0P5_8X8_EP4P5 | FREESCALE | UJ52 | |
| 12 | HDW300330010140000 | IC | FDC6321C_NL | MOSFET,DUAL N & P CHANNEL, SOT6 ROHS | 1 | SOT23-6 | FAIRCHILD | U29 | |
| 13 | HDW300330010150000 | IC | ADV7343BSTZ | MULTI FORMAT VIDEO ENCODER | 1 | LQFP64 | ANALOG DEVICE | U51 | |
| 14 | HDW300330010160000 | IC | CM2020-00TR | HDMI Transmitter Port Protection and Interface Device | 1 | TSSOP 38 | ONSEMI | U16 | |
| 15 | HDW300330010200000 | IC | EPF025A | MCU | 1 | LQFP64 | Explorer | U47 | |
| 16 | IDRVUJ3300101900000 | TVS ARRAY | GBLC24C-LF-T7 | ULTRA LOW CAPACITANCE TVS ARRAY RATED VOLTAGE 24V | 1 | SOD-323 | PROTEK DEVICE | D12 | |
| 17 | HDW300330010220000 | TVS ARRAY | GBLC05C-LF-T7 | ULTRA LOW CAPACITANCE TVS ARRAY RATED VOLTAGE 05V | 3 | SOD-323 | PROTEK DEVICE | D2,D15,D16 | |
| 18 | HDW300330010230000 | VARISTOR | AVLC14S02050 | VDC 14V, V 14-24V, Cp 50PF, 1005 | 8 | SMD_1005 | AMOTECH | VR8,VR9,VR10,VR11,VR12,VR13,VR14,VR15 | |
| 19 | IDRVUJ3300101800000 | VARISTOR | AVR-M2012C390K | VDC 39V, V 35-43V, Cp 430PF, 2012 | 1 | SMD_2012 | TDK | VR7 | |
| 20 | HDW300330010240000 | SCHOTTKY DIODE | NSR0320MW2T1G | DIODE SCH PWR RECT LOW VF 1A 20V SOD323 | 1 | SOD-323 | ONSEMI | D1 | |
| 21 | HDW300330010250000 | SCHOTTKY DIODE | MBR140SFT1G | DIODE SCH PWR RECT 1A 40V SOD123 | 1 | SOD-123 | ONSEMI | D9 | |
| 22 | HDW300330010260000 | SCHOTTKY DIODE(DUAL) | BAT54CLT1G | DIODE SCH DUAL CC 200MA 30V SOT23 | 2 | SOT-23 | ONSEMI | D10,D13 | |
| 23 | HDW300330010270000 | SCHOTTKY DIODE | RB050L-40(SS34A) | DIODE SCH PWR RECT 3A 40V SOD106 | 2 | SOD-106 | ROHM | D11,D504 | |
| 24 | ITW100330010210000 | FERRITE BEAD | HH-1T2012-121J | Ferrite BEAD 20x12mm_120Q_100MHz_3A | 1 | SMD_2012 | CERATECH | FB4 | |
| 25 | HDW300330010280000 | FERRITE BEAD | BLM18PG121SH1 | Ferrite BEAD 1.6x0.8MM_120Q_100MHz_3A | 1 | SMD_1608 | TDK | L2 | |
| 26 | HDW300330010290000 | POWER INDUCTOR | 4.7uH/VLS3012T-4R7M1R0 | POWER COIL, 3X3X1.2MM, 4.7UH | 1 | SMD_3030 | MURATA | L1 | |
| 27 | IDRVUJ3300103000000 | POWER INDUCTOR | SHP0735P-F68R8A | POWER COIL, 7X7X3.5MM, 6.8UH | 3 | SMD_7070 | TOKYO COIL | L3,L4,L12 | |
| 28 | HDW300330010310000 | POWER INDUCTOR | LPSS015-102MRC | POWER COIL, 5X5X1.5MM, 1.0UH | 2 | SMD_5050 | COILCRAFT | L5,L6 | |
| 29 | HDW300330010300000 | POWER INDUCTOR | 1uH/VLS252010T-1R0N | POWER COIL, 2.5X2.0X1MM, 1.0UH | 3 | SMD_2520 | TDK | L7,L8,L9 | |
| 30 | HDW300330010310000 | POWER INDUCTOR | UPS4018-222MRC | POWER COIL, 4X4X1.8MM, 2.2UH | 1 | SMD_4040 | COILCRAFT | L10 | |
| 31 | HDW300330010320000 | POWER INDUCTOR | SHP0735P-F4R7A | POWER COIL, 7X7X3.5MM, 4.7UH | 1 | SMD_7070 | TOKYO COIL | L15 | |
| 32 | HDW300330010330000 | LDO | RP114N331D-TR-FE | 300mA LDO Regulator | 1 | SOT-23-5 | RICOH | U17 | |
| 33 | IDGAMN3300100600000 | FET | LP3415ELT1G(FTK3415) | 20V P CHANNEL MOSFET SOT23 | 2 | SOT-23 | LRC(Frist Silicon) | Q1,Q3 | |
| 34 | IDGAMN3300100700000 | TR | DTCL14YU4A | NPN TRANSISTOR SOT323 | 2 | SOT-323 | RECTRON(ROHM) | Q2,Q4 | |
| 35 | HDW300330010340000 | TR | MMBT3904LT1G | NPN TRANSISTOR SOT-23 | 6 | SOT-23 | ONSEMI | Q5,Q6,Q7,Q8,Q11,Q13 | |
| 36 | HDW300330010350000 | TR | MMBT3906(MMBT3906LT1G) | PNP TRANSISTOR SOT-23 | 4 | SOT-23 | FAIRCHILD(ONSEMI) | Q9,Q10,Q12,Q14 | |
| 37 | IDGAMN3300100500000 | CRYSTAL | 3010-24.000-18, 24.000MHz(+/-10ppm,18pf) | XTAL 24MHZ (+/-10ppm,18pF) SMD 3.2X2.5MM | 2 | SMD_3225 | ITTI | Y1,Y5 | |
| 38 | HDW300330010370000 | CRYSTAL | FC-135, 32.768KHZ | XTAL 32.768KHZ 12.5PF 20PPM 3.2X1.5MM SMT | 1 | SMD_3225 | SEIKO EPSON | Y2 | |
| 39 | HDW300330010380000 | CRYSTAL | 3010-25.000-22, 25.000MHz(+/-10ppm,22pf) | XTAL 25MHZ (+/-10ppm,22pF) SMD 3.2X2.5MM | 1 | SMD_3225 | ITTI | Y3 | |
| 40 | HDW300330010400000 | ARRAY RESISTOR | MNR15E0RPJ103/10K | RNET BUS 8 10K 1/32W 5% SMT | 4 | RCA_8_10 | ROHM | RN1,RN2,RN3,RN4 | |
| 41 | HDW300330010410000 | CHIP CAPACITOR | CAP_2.7pF | Ceramic Capacitor SMD 10x05mm_2.7pF | 1 | SMD_1005 | ANY | C455 | |
| 42 | IDRVUJ3300108100000 | CHIP CAPACITOR | CAP_15pF | Ceramic Capacitor SMD 10x05mm_15pF | 1 | SMD_1005 | ANY | C492 | |
| 43 | IDRVUJ3300108200000 | CHIP CAPACITOR | CAP_18pF_50V_1% | Ceramic Capacitor SMD 10x05mm_18pF | 6 | SMD_1005 | ANY | C84,C85,C86,C87,C257,C258 | |
| 44 | ITW100330010330000 | CHIP CAPACITOR | CAP_22pF_50V_5% | Ceramic Capacitor SMD 10x05mm_22pF | 2 | SMD_1005 | ANY | C173,C174 | |
| 45 | HDW300330010420000 | CHIP CAPACITOR | CAP_50pF_50V_5% | Ceramic Capacitor SMD 10x05mm_50pF | 4 | SMD_1005 | ANY | C457,C458,C467,C468 | |
| 46 | HDW300330010430000 | CHIP CAPACITOR | CAP_1.8nF_50V_5% | Ceramic Capacitor SMD 10x05mm_1.8nF | 2 | SMD_1005 | ANY | C459,C460 | |
| 47 | IDRVUJ3300109000000 | CHIP CAPACITOR | CAP_2.2nF_16V_10% | Ceramic Capacitor SMD 10x05mm_2.2nF | 3 | SMD_1005 | ANY | C300,C386,C407 | |
| 48 | HDW300330010440000 | CHIP CAPACITOR | CAP_3.3nF_50V_10% | Ceramic Capacitor SMD 10x05mm_3.3nF | 2 | SMD_1005 | ANY | C462,C463 | |
| 49 | HDW300330010450000 | CHIP CAPACITOR | CAP_10nF_10V_10% | Ceramic Capacitor SMD 06x03mm_10nF | 1 | SMD_0603 | ANY | C43 | |
| 50 | ITW100330010270000 | CHIP CAPACITOR | CAP_10nF_16V_10% | Ceramic Capacitor SMD 10x05mm_10nF | 11 | SMD_1005 | ANY | C290,C311,C371,C401,C442,C445,C469,C471,C475,C477,C478 | |
| 51 | HDW300330010460000 | CHIP CAPACITOR | CAP_12nF_25V_10% | Ceramic Capacitor SMD 10x05mm_12nF | 2 | SMD_1005 | ANY | C484,C490 | |
| 52 | IDRVUJ3300109300000 | CHIP CAPACITOR | CAP_22nF_50V_10% | Ceramic Capacitor SMD 10x05mm_22nF | 2 | SMD_1005 | ANY | R567, R799 | |
| 53 | HDW300330010470000 | CHIP CAPACITOR | CAP_150nF_20V_10% | Ceramic Capacitor SMD 10x05mm_150nF | 1 | SMD_1005 | ANY | C486 | |
| 54 | ITW100330010390000 | CHIP CAPACITOR | CAP_150nF_16V_10% | Ceramic Capacitor SMD 16x08mm_150nF | 1 | SMD_1608 | ANY | C491 | |
| 55 | IDRVUJ3300109700000 | CHIP CAPACITOR | CAP_470nF_25V_10% | Ceramic Capacitor SMD 10x05mm_470nF | 8 | SMD_1005 | ANY | C291,C295,C296,C301,C309,C322,C381,C406 | |
| 56 | HDW300330010480000 | CHIP CAPACITOR | CAP_0.1uF_10V | Ceramic Capacitor SMD 06x03mm_0.1uF | 6 | SMD_0603 | ANY | C141,C142,C143,C144,C145,C149 C92,C147,C153,C155,C157,C160,C161,C162,C163,C165,C166,C169,C176, C181,C182,C183,C184,C185,C187,C188,C262,C263,C264,C265,C297, C308,C310,C323,C334,C339,C340,C341,C342,C343,C344,C347,C382, C408,C438,C439,C447,C449,C451,C742,C744,C745,C749 C1,C2,C3,C4,C6,C7,C8,C9,C11,C12,C13,C14,C16,C17,C19,C21,C22, C23,C24,C25,C27,C28,C29,C30,C31,C33,C34,C35,C36,C38,C40,C44,C46, C47,C48,C49,C50,C52,C53,C55,C56,C57,C58,C60,C61,C62,C63,C64,C66, C67,C68,C69,C70,C73,C75,C76,C77,C78,C79,C81,C82,C83,C97,C113, C121,C122,C125,C128C131,C134,C440 | 소요량 변경 70→71 |
| 57 | ITW100330010280000 | CHIP CAPACITOR | CAP_0.1uF_10V_10% | Ceramic Capacitor SMD 10x05mm_0.1uF | 47 | SMD_1005 | ANY | C80,C88,C89,C90,C91,C93,C94,C95,C96,C98,C99,C100,C101,C102,C103,C 104,C105,C106,C107,C108,C109,C110,C114,C115,C116,C117,C118,C119, C120,C123,C124,C126,C127,C129,C130,C132,C135,C136,C137,C353,C441 | 소요량 변경 42→41 |
| 58 | HDW300330010490000 | CHIP CAPACITOR | CAP_0.22uF_6.3V_10% | Ceramic Capacitor SMD 06x03mm_0.22uF | 71 | SMD_0603 | ANY | C5,C10,C15,C20,C26,C32,C37,C39,C41,C54,C59,C65,C71,C74,C111,C112,C 133,C138,C139,C140,C148 C42,C45,C51,C72,C146,C152,C154,C156,C158,C159,C175,C180,C256, C260,C304,C350,C352,C354,C437,C443,C444,C450,C452,C470,C472, C476,C479,C488,C493,C743 C453,C454,C464,C466 C298,C302,C303,C305,C306,C307,C312,C316,C325,C330,C333,C348, C349 C164,C177,C178,C179,C261,C293,C294,C313,C314,C345,C376,C377, C404,C405,C446,C456,C461,C465,C473,C474,C485,C489,C494,C495, C496,C497,C498 C319,C320,C321,C324,C326,C327,C328,C329,C331,C332,C335,C336, C337,C338,C346 C292,C315,C357,C360,C361,C374,C402 C448 R1,R3,R4,R5,R6,R7,R8,R56,R58,R59,R60,R61,R63,R73,R74,R75,R76,R80, R81,R118,R119,R120,R121,R122,R123,R150,R151,R153,R173,R210,R211,R 214,R215,R216,R232,R334,R335,R438,R443,R444,R449,R450,R451,R452,R 453,R463,R464,R466,R468,R469,R515,R569,R571,R572,R573,R576 R579,R656,R657,R660,R661,R663,R664,R666,R667,R687,R689,R691,R706, R709,R715,R716,R718,R719,R720,R729,R731,R732,R733,R734,R737,R738, R747,R782,R803,R805,R807,R808,R809,R218,R217,R630,C738 R675 | |
| 59 | IDRVUJ3300109600000 | CHIP CAPACITOR | CAP_0.22uF_16V_10% | Ceramic Capacitor SMD 10x05mm_0.22uF | 41 | SMD_1005 | ANY | | |
| 60 | HDW300330010500000 | CHIP CAPACITOR | CAP_1uF_6.3V_10% | Ceramic Capacitor SMD 06x03mm_1uF | 21 | SMD_0603 | ANY | | |
| 61 | IDRVUJ3300109800000 | CHIP CAPACITOR | CAP_1uF_6.3V_10% | Ceramic Capacitor SMD 10x05mm_1uF | 30 | SMD_1005 | ANY | | |
| 62 | IDGAMS3300100200000 | CHIP CAPACITOR | CAP_2.2uF_10V_20% | Ceramic Capacitor SMD 16x08mm_2.2uF | 2 | SMD_1608 | ANY | | |
| 63 | HDW300330010510000 | CHIP CAPACITOR | CAP_3.3uF_10V | Ceramic Capacitor SMD 16x08mm_3.3uF | 4 | SMD_1608 | ANY | | |
| 64 | HDW300330010520000 | CHIP CAPACITOR | CAP_4.7uF_10V_10% | Ceramic Capacitor SMD 16x08mm_4.7uF | 13 | SMD_1608 | ANY | | |
| 65 | IDRVUJ3300110000000 | CHIP CAPACITOR | CAP_10uF_10V_20% | Ceramic Capacitor SMD 16x08mm_10uF | 27 | SMD_1608 | ANY | | |
| 66 | IDRVHD3300101400000 | CHIP CAPACITOR | CAP_22uF_10V_20% | Ceramic Capacitor SMD 16x08mm_22uF | 15 | SMD_1608 | ANY | | |
| 67 | HDW300330010530000 | CHIP CAPACITOR | CAP_22uF_16V_20% | Ceramic Capacitor SMD 32x25mm_22uF | 7 | SMD_3225 | ANY | | |
| 68 | HDW300330010540000 | CHIP CAPACITOR | CAP_47uF | Ceramic Capacitor SMD 32x16mm_47uF | 1 | SMD_3216 | ANY | | |
| 69 | ITW100330010840000 | CHIP RESISTOR | RES_0Q | Resistor SMD 10x05mm_0Q | 93 | SMD_1005 | ANY | | |
| 70 | HDW300330010550000 | CHIP RESISTOR | RES_5Q | Resistor SMD 10x05mm_5Q | 1 | SMD_1005 | ANY | | |

| | | | | | | | | | |
|-----|--------------------|---------------|--|---|----|------------------------------|-----------------|---|--|
| 71 | ITW100330010850000 | CHIP RESISTOR | RES_10Ω | Resistor SMD 10x05mm_10Ω | 1 | SMD_1005 | ANY | R791 | |
| 72 | ITW100330010860000 | CHIP RESISTOR | RES_22Ω | Resistor SMD 10x05mm_22Ω | 1 | SMD_1005 | ANY | R155 | |
| 73 | IDRVU3300103900000 | CHIP RESISTOR | RES_27Ω | Resistor SMD 10x05mm_27Ω | 1 | SMD_1005 | ANY | R795 | |
| 74 | ITW100330010870000 | CHIP RESISTOR | RES_33Ω | Resistor SMD 10x05mm_33Ω | 32 | SMD_1005 | ANY | R748,R749,R751,R752,R753,R754,R755,R756,R762,R763,R764,R765,R766,R767,R768,R769,R770,R771,R772,R773,R774,R775,R776,R777,R778,R779,R781,R783,R784,R785,R794,R796 | |
| 75 | HDW300330010560000 | CHIP RESISTOR | RES_50Ω_1% | Resistor SMD 10x05mm_50Ω_1% | 2 | SMD_1005 | ANY | R190,R191 | |
| 76 | ITW100330010930000 | CHIP RESISTOR | RES_75Ω | Resistor SMD 10x05mm_75Ω | 6 | SMD_1005 | ANY | R723,R724,R726,R743,R745,R760 | |
| 77 | ITW100330011080000 | CHIP RESISTOR | RES_169Ω_1% | Resistor SMD 10x05mm_169Ω_1% | 2 | SMD_1005 | ANY | R757,R789 | |
| 78 | HDW900330010570000 | CHIP RESISTOR | RES_191Ω_1% | Resistor SMD 10x05mm_191Ω_1% | 1 | SMD_1005 | ANY | R55 | |
| 79 | HDW300330010580000 | CHIP RESISTOR | RES_200Ω_1% | Resistor SMD 10x05mm_200Ω_1% | 3 | SMD_1005 | ANY | R66,R67,R68 | |
| 80 | HDW300330010590000 | CHIP RESISTOR | RES_240Ω_1% | Resistor SMD 10x05mm_240Ω_1% | 5 | SMD_1005 | ANY | R69,R70,R77,R78,R79 | |
| 81 | HDW300330010600000 | CHIP RESISTOR | RES_270Ω | Resistor SMD 10x05mm_270Ω | 2 | SMD_1005 | ANY | R133,R146 | |
| 82 | HDW300330010610000 | CHIP RESISTOR | RES_300Ω | Resistor SMD 10x05mm_300Ω | 1 | SMD_1005 | ANY | R793 | |
| 83 | HDW900330010630000 | CHIP RESISTOR | RES_470Ω | Resistor SMD 10x05mm_470Ω | 8 | SMD_1005 | ANY | R692,R693,R703,R705,R711,R714,R722,R728 | |
| 84 | HDW300330010660000 | CHIP RESISTOR | RES_560Ω | Resistor SMD 10x05mm_560Ω | 4 | SMD_1005 | ANY | R735,R736,R750,R787 | |
| 85 | HDW300330010670000 | CHIP RESISTOR | RES_680Ω_1% | Resistor SMD 10x05mm_680Ω_1% | 1 | SMD_1005 | ANY | R786 | |
| 86 | ITW100330011100000 | CHIP RESISTOR | RES_1kΩ | Resistor SMD 10x05mm_1kΩ | 19 | SMD_1005 | ANY | R460,R496,R499,R517,R518,R520,R522,R523,R574,R575,R577,R578,R678,R688,R739,R741,R758,R790,R801 | |
| 87 | HDW300330010690000 | CHIP RESISTOR | RES_1.1kΩ | Resistor SMD 10x05mm_1.1kΩ | 1 | SMD_1005 | ANY | R780 | |
| 88 | HDW300330010700000 | CHIP RESISTOR | RES_1.1kΩ_1% | Resistor SMD 10x05mm_1.1kΩ_1% | 1 | SMD_1005 | ANY | R797 | |
| 89 | ITW100330011010000 | CHIP RESISTOR | RES_1.5kΩ | Resistor SMD 10x05mm_1.5kΩ | 1 | SMD_1005 | ANY | R158 | |
| 90 | HDW300330010710000 | CHIP RESISTOR | RES_1.6kΩ_1% | Resistor SMD 10x05mm_1.6kΩ_1% | 1 | SMD_1005 | ANY | R658 | |
| 91 | ITW100330011120000 | CHIP RESISTOR | RES_2kΩ | Resistor SMD 10x05mm_2kΩ | 2 | SMD_1005 | ANY | R683,R684 | |
| 92 | HDW300330010720000 | CHIP RESISTOR | RES_2.37kΩ_1% | Resistor SMD 10x05mm_2.37kΩ | 1 | SMD_1005 | ANY | R159 | |
| 93 | HDW300330010740000 | CHIP RESISTOR | RES_3.3kΩ | Resistor SMD 10x05mm_3.3kΩ | 4 | SMD_1005 | ANY | R672,R690,R699,R701 | |
| 94 | HDW900330010750000 | CHIP RESISTOR | RES_4.12kΩ_1% | Resistor SMD 10x05mm_4.12kΩ_1% | 1 | SMD_1005 | ANY | R798 R148,R192,R314,R316,R317,R532,R533,R534,R535,R536,R537,R538,R539,R540,R541,R542,R543,R544,R546,R547,R548,R550,R551,R552,R554,R555,R556,R557,R558,R559,R560,R561,R562,R563,R564,R565,R566,R570,R581,R582,R584,R649,R651,R662,R665,R696,R697,R698,R700,R702,R704,R788,R800,R802,R804,R806,R810,R318,R319,R498 | |
| 95 | ITW100330011160000 | CHIP RESISTOR | RES_4.7kΩ | Resistor SMD 10x05mm_4.7kΩ | 59 | SMD_1005 | ANY | R71,R72,R82,R97,R147,R149,R160,R163,R164,R165,R166,R169,R170,R171,R193,R194,R195,R206,R229,R454,R455,R458,R459,R514,R694,R695,R707,R708,R710,R717,R721,R730 | |
| 96 | HDW300330010760000 | CHIP RESISTOR | RES_5kΩ | Resistor SMD 10x05mm_5kΩ | 1 | SMD_1005 | ANY | R501 | |
| 97 | ITW100330011040000 | CHIP RESISTOR | RES_10kΩ | Resistor SMD 10x05mm_10kΩ | 32 | SMD_1005 | ANY | R440 | |
| 98 | HDW300330010770000 | CHIP RESISTOR | RES_12kΩ_1% | Resistor SMD 10x05mm_12kΩ_1% | 1 | SMD_1005 | ANY | R442,R483 | |
| 99 | IDRVU3300106300000 | CHIP RESISTOR | RES_13kΩ_1% | Resistor SMD 10x05mm_13kΩ_1% | 1 | SMD_1005 | ANY | R212,R497 | |
| 100 | HDW300330010780000 | CHIP RESISTOR | RES_15kΩ | Resistor SMD 10x05mm_15kΩ | 2 | SMD_1005 | ANY | R485 | |
| 101 | IDRVU3300106500000 | CHIP RESISTOR | RES_15kΩ_1% | Resistor SMD 10x05mm_15kΩ_1% | 2 | SMD_1005 | ANY | R811 | |
| 102 | HDW300330010790000 | CHIP RESISTOR | RES_18kΩ_1% | Resistor SMD 10x05mm_18kΩ_1% | 1 | SMD_1005 | ANY | R213,R647,R670,R673,R685 | |
| 103 | HDW300330010800000 | CHIP RESISTOR | RES_27kΩ | Resistor SMD 10x05mm_27kΩ | 1 | SMD_1005 | ANY | R479 | |
| 104 | ITW100330011170000 | CHIP RESISTOR | RES_47kΩ | Resistor SMD 10x05mm_47kΩ | 5 | SMD_1005 | ANY | R22,R27,R462,R467 | |
| 105 | HDW300330010810000 | CHIP RESISTOR | RES_56kΩ_1% | Resistor SMD 10x05mm_56kΩ_1% | 1 | SMD_1005 | ANY | R439 | |
| 106 | HDW900330010820000 | CHIP RESISTOR | RES_68kΩ | Resistor SMD 10x05mm_68kΩ | 4 | SMD_1005 | ANY | R437,R445 | |
| 107 | IDRVU3300107500000 | CHIP RESISTOR | RES_68kΩ_1% | Resistor SMD 10x05mm_68kΩ_1% | 1 | SMD_1005 | ANY | R85,R461,R465 | |
| 108 | ITW100330011030000 | CHIP RESISTOR | RES_100kΩ | Resistor SMD 10x05mm_100kΩ | 2 | SMD_1005 | ANY | R712,R713,R725,R727 | |
| 109 | HDW300330010830000 | CHIP RESISTOR | RES_200kΩ | Resistor SMD 10x05mm_200kΩ | 3 | SMD_1005 | ANY | R65 | |
| 110 | IDRVU3300105500000 | CHIP RESISTOR | RES_470kΩ | Resistor SMD 10x05mm_470kΩ | 4 | SMD_1005 | ANY | R90 | |
| 111 | HDW900330010840000 | CHIP RESISTOR | RES_2.2MΩ | Resistor SMD 10x05mm_2.2MΩ | 1 | SMD_1005 | ANY | J14 | |
| 112 | HDW300330010850000 | CHIP RESISTOR | RES_10MΩ | Resistor SMD 10x05mm_10MΩ | 1 | SMD_1005 | ANY | | |
| 113 | HDW300330010870000 | CONNECTOR | 507SAUR-04-WH-57, UK-A-016 | USB AF FALL SIDE UP | 1 | USB SIDE UP | | | |
| 114 | HDW300330010890000 | CONNECTOR | WT-MBNPCB5230-00340, MNI PCI-E52P H4-0 | GIGABIT MAGJACK(8CORE, VERTICAL) | 1 | con_rj45_2x5_th | HDC | J3 | |
| 115 | HDW300330010890000 | CONNECTOR | WT-MBNPCB5230-00340, MNI PCI-E52P H4-0 | MINI PCI EXPRESS CONN. 0.8MM PITCH | 1 | con_2x26_0p8_smt_a | WINTOP | J4 | |
| 116 | ITW100330010090000 | CONNECTOR | ZK-HDMI-01A, S1U0195-30S1N-A4R-B-IN | SINGLE HDMI | 1 | HDMI-01A | GANA | J15 | |
| 117 | ITW100330011460000 | CONNECTOR | RCA_AV6-8.4-32PB, RCA_AV3-8.4-3 | RCA 1P JACK Green | 1 | RCA_1X1 | ANY | J18 | |
| 118 | ITW100330011430000 | CONNECTOR | YPJ-01A23, RCA_AV-8.4-5 RED | RCA 1P JACK Blue | 1 | RCA_1X1 | ANY | J19 | |
| 119 | ITW100330011440000 | CONNECTOR | YPJ-01A28, RCA_AV-8.4-5 GREEN | RCA 1P JACK Red | 1 | RCA_1X1 | ANY | J20 | |
| 120 | ITW100330011450000 | CONNECTOR | YPJ-01A29, RCA_AV-8.4-5 BLUE | RCA JACK, 1X3 PORTS, R/A, T/H | 1 | RCA_1X3 | ANY | J17 | |
| 121 | ITW100330010830000 | CONNECTOR | PJ-325D(SJ3510-5P), PJ-325 | PHONE JACK, 3.5PIE JACK RATING 30V 0.5A | 2 | PJ-325D 3.5PIE JACK | ANY | J13,J16 | |
| 122 | ITW100330010630000 | CONNECTOR | DC JACK_DC00050-AH(DC-005), DC-005-2.1 | DC Power Jack 2.0 PIE, DC 20V 2.5A | 1 | 2.0 PIE DC JACK | BSUN ELECTRONIC | J11 | |
| 123 | ITW100330011590000 | TACT SWITCH | STM142NS, 11095S | TACT SWITCH DC 12V 50mA | 1 | sw_spst_pb_4p5x4p5_sm | GANA | SW4 | |
| 124 | HDW300330010910000 | HEADER PIN | 2211S-04G-KT | HEADER PIN 1X4, 2.54MM PITCH | 1 | HEADER 1X4, 2.54PITCH | ANY | J6 | |
| 125 | HDW300330010900000 | HEADER PIN | 2211S-05G-KT | HEADER PIN 1X5, 2.54MM PITCH | 1 | HEADER 1X5, 2.54PITCH | ANY | J21 | |
| 126 | ITW100330010040000 | HEADER SOCKET | 2214S-10G-85 | HEADER SOCKET 2.54MM PITCH 2X5 | 1 | HEADER SOCKET 2.54 PITCH 2X5 | ANY | J12 | |
| 127 | HDW300330010020000 | PCB | FULL SET RX Main | FR-4, 8Layer, Gold plated, impedance matching | 1 | | EVERTEK | | |

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|----------------------|--|--|--|----------------------------|----|--|--|---|------------|
| Chip capacitor & ETC | | | | NC (PCB 자리만 있고 실제 Part 없음) | 62 | | | C167,C168,C170,C171,C172,C259,C299,C317,C385,C409,D3,D4,D5,D6,R87,R152,R172,R184,R186,R188,C318,R336,R447,C480,C481,C487,R744,R746,R761,C351,D14,R54,R441,R516,R519,R521,R524,R525,R526,R527,R528,R529,R530,R531,R583,R659,R792,R62,R64,R89,R145,R161,R162,R167,R168,R457,R580,R585,R586,R587,R315,R668 | 수량변경 63—62 |
|----------------------|--|--|--|----------------------------|----|--|--|---|------------|

HDFLOW3 Receiver Front BOM

DOC. Date 2014. 12. 23

DOC. Revision No. Ver. 0.0

| No. | ERP CODE | Part Name | Part No. | Description | Q'ty | Package | Manufacturer | Reference | Remark |
|-----|--------------------|--------------------|----------------------------|---|------|-----------------------|--------------|-------------------------|-----------|
| 1 | ITW100330011520000 | LED | LED_BLUE | SMD LED 1608 Ultra Bright, BLUE, LEB8-S14(C193TBKT) | 2 | SMD_1608 | LITEON | LED2,LED9 | |
| 2 | ITW100330011540000 | LED | LED_PINK | SMD LED 1608 Ultra Bright, PINK, PST-1608HS245WP | 1 | SMD_1608 | LITEON | LED3 | |
| 3 | HDW300330010950000 | LED | LED_ORANGE(LTST-C190KFKT) | SMD LED 1608 Ultra Bright, ORANGE | 1 | SMD_1608 | LITEON | LED4 | |
| 4 | ITW100330010220000 | FERRITE BEAD | BEAD_60Ω_3A | Ferrite BEAD 20x12mm | 1 | SMD_2012 | ANY | L10 | |
| 5 | ITW100330011500000 | CHIP CAPACITOR | CAP_0.1uF_50V | Ceramic Capacitor SMD 16x08mm_0.1uF | 1 | SMD_1608 | ANY | C58 | |
| 6 | ITW100330010460000 | TANTALUM CAPACITOR | CAP_TAN_A.10uF.10V | Tantalum Capacitor 32x16mm | 2 | SMD_3216 | ANY | C234,C235 | |
| 7 | ITW100330010910000 | CHIP RESISTOR | RES_51Ω | Resistor SMD 10x05mm_51Ω | 1 | SMD_1005 | ANY | R83 | |
| 8 | ITW100330011010000 | CHIP RESISTOR | RES_1.5kΩ | Resistor SMD 10x05mm_1.5kΩ | 4 | SMD_1005 | ANY | R1,R3,R5,R7 | |
| 9 | ITW100330011040000 | CHIP RESISTOR | RES_10kΩ | Resistor SMD 10x05mm_10kΩ | 6 | SMD_1005 | ANY | R78,R82,R84,R85,R86,R87 | |
| 10 | HDW300330010990000 | IR Sensor | IRM-3600W, ROM-WT138TM2(N) | 30KHz~56KHz | 1 | 3Pin | EVERLIGHT | U15 | U16→U15변경 |
| 11 | ITW100330011510000 | HEADER PIN | 2213R-12G-U TYPE | Header PIN R/A 2x5 2.54mm pitch | 1 | DIP-10 | ANY | J1 | |
| 12 | ITW100330011590000 | TACT SWITCH | STM142NS, 11095S | TACT SWITCH DC 12V 50mA | 1 | sw_spst_pb_4p5x4p5_sm | | SW1 | |
| 13 | HDW300330010040000 | PCB | HDFLOW3 RX Front | FR-4_2Layer | 1 | | EVERTEK | | |