# A64-OlinuXino_Rev_E-2Ge16G-IND-BOM

16.11.2017

| Quantity | Designation | Package | Designator |
|---|---|---|---|
| 1 | 0.01R/1%/1206 | R1206 | R78 |
| *13* | *22R* | *R0402* | R3,R4,R33,R100,R105,R109,R63,R64,R65,R69,R72,*R66,R68* |
| 1 | 100R/1% | R0402 | R2 |
| 1 | 120R | R0603 | R120 |
| 3 | 243R/1% | R0402 | R7,R9,R10 |
| 1 | 470R | R0402 | R25 |
| 12 | 1k | R0402 | R117,R92,R89,R91,R107,R108, R110,R111,R112,R113,R114,R58 |
| 1 | 1.1k/1% | R0402 | R81 |
| 7 | 2k/1% | R0402 | R26,R29,R11,R12,R1,R5,R8 |
| 10 | 2.2k | R0402 | R70,R71,R74,R82,R90,R88,R75,R77,R47,R50 |
| 1 | 3.92k/1% | R0402 | R49 |
| 2 | 4.7k | R0402 | R38,R51 |
| 1 | 8.25k/1% | R0402 | R80 |
| *16* | *10k* | *R0402* | R37,R40,R42,R85,R83,R95,R76, R79,R31,R52,R99,R106,R119,*R21,R23,R67* |
| 1 | 12.1k/1% | R0603 | R115 |
| 1 | 13k/1% | R0402 | R41 |
| 1 | 27k | R0402 | R46 |
| 1 | 47k | R0402 | R59 |
| 4 | 100k | R0402 | R103,R30,R35,R116 |
| 1 | 200k/1% | R0402 | R27 |
| 1 | 10M | R0402 | R93 |
| 3 | RA0805_(4X0402)_22R | RA0805 | RM1,RM15,RM14 |
| 1 | RA0805_(4X0402)_4.7k | RA0805 | RM8 |
| 1 | RA1206_(4x0603)_4B8_100k | RA1206 | RM7 |
| 2 | 2.7nH/L0402 | L0402 | L7,L9 |
| 3 | SWPA3015S1R5NT(1.5uH/2.30A/DCR<0.1R/CD32) | CD32 | L19,L20,L14 |
| 3 | SWPA4018S1R5NT(1.5uH/3.35A/DCR<0.1R/CD43) | CD43 | L17,L15,L18 |
| 1 | 2.2uH/3A/YS75/7x8 | 7X8MM | L16 |
| *10* | *FB0805/600R/2A* | *L0805* | L2,L3,L4,L5,L6,L8,L21,L23,L24,*L1* |
| 2 | 22pF/50V/5% | C0402 | C183,C184 |
| 3 | 24pF | C0402 | C198,C88,C93 |
| 8 | 33pF/50V/5% | C0402 | C187,C48,C62,C185,C84,C85,C212,C213 |
| 1 | 1nF/2kV/10%/X7R | C1206 | C196 |
| *79* | *100nF/10V/10%* | *C0402* | C1,C2,C3,C4,C6,C7,C8,C9,C11,C12,C13,C14,C15, C17,C18,C19,C20,C22,C23,C24,C25,C28,C29,C30, C31,C32,C33,C34,C46,C50,C51,C52,C58,C60,C65, C66,C67,C72,C73,C74,C79,C80,C45,C82,C83,C86, C87,C109,C110,C115,C117,C123,C127,C130,C132, C134,C155,C156,C158,C177,C186,C189,C191,C195, C197,C199,C200,C203,C206,C207,C208,C209,C210, C215,C216,C217,*C35,C37,C44* |
| 12 | 1uF/10V/10% | C0603 | C27,C55,C120,C135,C137,C142,C160,C163, C181,C182,C190,C211 |
| *5* | *2.2uF/6.3V/10%* | *C0603* | C56,C61,*C36,C38,C43* |
| 60 | 10uF/6.3V/20% | C0603 | C162,C5,C10,C16,C21,C26,C47,C49,C53,C54,C57, C59,C63,C116,C121,C122,C124,C125,C126,C128, C129,C131,C133,C136,C138,C139,C140,C141,C143, C144,C145,C146,C147,C148,C149,C150,C151,C152, C153,C154,C157,C159,C161,C164,C165,C166,C167, C168,C169,C170,C171,C172,C173,C175,C176,C178, C179,C188,C192,C194 |
| *6* | *22uF/6.3V/20%* | *C0603* | C204,C205,C214,C218,C219,*C42* |
| 10 | 47uF/6.3V/20% | C0805 | C64,C68,C71,C75,C78,C118,C119,C180,C201,C202 |
| 1 | LED/YELLOW/0603 | LED_0603 | CHGLED1 |
| 2 | LED/Red/0603 | LED_0603 | PWRLED1,GPIO_LED1 |
| 1 | FSMD035 | FUSE-1206 | FUSE1 |
| 2 | 1N5822/SS34/SMA | SMA | D2,D3 |
| 1 | 1N5819(S4SOD-123) | SOD-123 | D4 |
| 1 | 1N4007/SMA | SMA-KA | D5 |
| 1 | SMBJ6.0A | DO214AA | D1 |
| 1 | BSS138(SOT23-3) | SOT23 | FET1 |
| 1 | IRLML6402(SOT-23) | SOT23 | FET2 |
| 1 | WPM1481-6/TR(DFN2X2-6L) | DFN2x2-6L | T1 |
| 1 | AMS1117(ADJ) | SOT223 | VR1 |
| 1 | AllWinner-A64(FBGA396) | FBGA396 | U1 |

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| | | | |
|---|---|---|---|
| 1 | AXP803(QFN68_8x8mm) | QFN68 | U14 |
| **2** | **K4B8G1646Q-MYK0(512Mx16_DDR3-1600_11-11-11)** | **FBGA96** | **U2,U3** |
| **1** | **KLMAG2GEND-B031(FBGA153)** | **FBGA153** | **U5** |
| **1** | **KSZ9031RNXIC-TR(QFN48)** | **QFN48** | **U15** |
| 2 | SY6280AAC(SOT23-5) | SOT-23-5 | U6,U9 |
| 1 | MT3608(SOT23-6) | SOT23-6 | U13 |
| 1 | Q32.768kHz/12.5pF/20ppm/4P/SMD8038 | SMD8038 | Q2 |
| 1 | Q24MHZ/20pF/20ppm/2P/5x3.2mm | 5.0x3.2mm | Q3 |
| 1 | Q25MHz/20pF/20ppm/2P/5x3.2mm | 5.0x3.2mm | Q4 |
| 1 | MICRO_SD(TFC-WPAPR-08) | TFC-WPAPR-08 | MICRO_SD1 |
| 1 | MICRO_USB/MISB-SWMM-5B_LF | MISB-SWMM-5B_LF | USB-OTG1 |
| 1 | TM211Q01FM22 | TM211Q01FM22 | LAN1 |
| 2 | SCJ325P00XG0B02G | SCJ325P00XG0B02G | HEADPHONES/LINEOUT1,MIC/LINEIN1 |
| 1 | FPV-WZA21-40-LF | FPV-WZA21-40-LF | LCD_CON1 |
| 1 | FPV-WZA21-20-LF | FPV-WZA21-20-LF | MIPI-DSI1 |
| 1 | HN1x2(Opened) | HN1x2 | PHYRST1 |
| 1 | HN1x3 | HN1x3 | DBG_UART1 |
| 1 | DW02R | DW02R | LIPO_BAT1 |
| 1 | HDMI-SWM-19 | HDMI-SWM-19 | HDMI1 |
| 1 | USB_A_VERTICAL | USB_A_VERTICAL | USB1 |
| 1 | PWRJ-2mm(YDJ-1134) | PWRJ-2mm(YDJ-1134) | PWR1 |
| 3 | IT-1185AU2-160G-G-TR | uTACTIL | PWRON1,RESET1,UBOOT1 |
| | | | |
| | | | |
| 4 | 0R(Board_Mounted) | R0402 | R34,R86,R87,R94 |
| 1 | 0R(Board_Mounted) | R0603 | R36 |
| 10 | NA | R0402 | R96,R97,R98,R84,R19,R20,R24,R6,R118,R55 |
| 1 | NA(0R) | R0402 | R60 |
| 2 | NA(22R) | R0402 | R18,R54 |
| 2 | NA(243R/1%) | R0402 | R13,R14 |
| 4 | NA(510R) | R0402 | R39,R43,R44,R45 |
| 1 | NA(1k) | R0402 | R28 |
| 2 | NA(2.2k) | R0402 | R101,R102 |
| 10 | NA(10k) | R0402 | R61,R104,R48,R15,R16,R17,R22,R53,R56,R57 |
| 2 | NA(RA1206_(4x0603)_4B8_100k) | RA1206 | RM9,RM12 |
| 1 | NA(1M) | R0402 | R32 |
| 3 | NA(RCLAMP0524P(SLP2510P8)) | SLP2510P8 | U7,U8,U10 |
| 1 | NA(3.3nH/L0402) | L0402 | L10 |
| 1 | NA(0.8pF/C0402) | C0402 | C106 |
| 1 | NA(1.5pF/C0402) | C0402 | C107 |
| 1 | NA(10pF/50V/5%) | C0402 | C105 |
| 1 | NA(1nF/50V/10%) | C0402 | C193 |
| 6 | NA(100nF/10V/10%) | C0402 | C39,C40,C41,C90,C92,C81 |
| 3 | NA(10uF/6.3V/20%) | C0603 | C91,C89,C174 |
| 4 | NA(47uF/6.3V/20%) | C0805 | C69,C70,C76,C77 |
| 1 | NA(5025) | FUSE-5025 | FUSE2 |
| 1 | NA(W25Q128FVSIG) | SO-8 | U12 |
| 1 | NA(RTL8723BS(ComboModule)) | RTL8723BS | U11 |
| 1 | NA(MT29F64G08CBABA-WP(TSOP48)) | TSOP48 | U4 |
| 1 | NA(HN2x5) | HN2x5 | UEXT1 |
| 1 | NA(HN2x20) | HN2x20 | GPIO1 |
| 1 | NA(B4B-PH-K-S) | B4B-PH-K-S | HSIC1 |
| 3 | Opened | SJ | 5V_E1,HSIC_E1,WP_Enable1 |
| 1 | Unsoldered | SJ | NAND_E1 |
| 1 | Opened(2-3);Closed(1-2) | SJ_2 | 3.3V/VCC-PE:2.8V1 |
| 2 | Opened(2-3);Soldered(1-2) | SJ_2 | LINEINL/MICIN2,LINEINR/MICIN1 |
| 2 | Soldered(1-2);Opened(2-3) | SJ_2 | HPHONEOUTL/LINEOUTL1,HPHONEOUTR/LINEOUTR1 |
| **1** | **Soldered(2-3);Opened(1-2)** | **SJ_2** | **PWR_PC1** |
| 1 | PCB_WIFI_ANT | BT_Antenna_Inverted | ANT1 |