

| Qty | Value | Device | Parts |
|-----|-----------------------------|------------------------|---|
| 2 | 0R(Board Mounted) | R-EU_R0402_TI_0R | R11, R13 |
| 1 | 0R(Board Mounted) | R_0R0R(NA) | R83 |
| 1 | 0.03R/1% | R-EU_R1206_5MIL_WS | R66 |
| 3 | 22R | R-EU_R0402_TI | R9, R10, R33 |
| 9 | 33R | R-EU_R0402_TI | R19, R20, R21, R24, R25, R26, R119, R120, R123 |
| 1 | 120R | R-EU_R0402_TI | R127 |
| 2 | 191R/1% | R-EU_R0603_5MIL_DWS | R65, R72 |
| 3 | 330R/1% | R-EU_R0603_5MIL_DWS | R7, R8, R14 |
| 8 | 1k | R-EU_R0402_TI | R113, R114, R115, R116, R117, R118, R124, R125 |
| 2 | 1.1k/1% | R-EU_R0603_5MIL_DWS | R89, R92 |
| 7 | 2k/1% | R-EU_R0402_TI | R1, R2, R4, R5, R6, R45, R46 |
| 14 | 2.2k | R-EU_R0402_TI | R56, R57, R60, R61, R70, R75, R77, R79, R80, R81, R82, R88, R128, R129 |
| 2 | 4.99k/1% | R-EU_R0603_5MIL_DWS | R51, R91 |
| 2 | 6.8k/1% | R-EU_R0603_5MIL_DWS | R59, R73 |
| 1 | 8.25k/1% | R-EU_R0603_5MIL_DWS | R85 |
| 19 | 10k | R-EU_R0402_TI | R12, R16, R17, R31, R34, R36, R37, R42, R44, R52, R54, R58, R62, R64, R68, R71, R78, R121, R126 |
| 1 | 10k/1% | R-EU_R0603_5MIL_DWS | R90 |
| 1 | 12.1k/1% | R-EU_R0603_5MIL_DWS | R111 |
| 1 | 12.4k/1% | R-EU_R0603_5MIL_DWS | R86 |
| 2 | 13k/1% | R-EU_R0603_5MIL_DWS | R53, R63 |
| 1 | 20k/5%/0402 | R-EU_R0402_TI | R47 |
| 1 | 27k | R-EU_R0402_TI | R32 |
| 4 | 47k | R-EU_R0402_TI | R27, R30, R55, R76 |
| 3 | 100k/1% | R-EU_R0603_5MIL_DWS | R41, R67, R87 |
| 3 | 200k/1% | R-EU_R0603_5MIL_DWS | R43, R69, R74 |
| 1 | 1M | R-EU_R0402_TI | R84 |
| 1 | 10M | R-EU_R0402_TI | R35 |
| 1 | RA1206 (4X0603) 4B8_0R | R_MATRIX_4E | RM1 |
| 1 | RA1206 (4X0603) 4B8_33R | R_MATRIX_4E | RM9 |
| 1 | RA0805 (4X0402) 4B8_4.7k | R_MATRIX_4EBIGERPADS | RM4 |
| 1 | RA1206 (4X0603) 4B8_4.7k | R_MATRIX_4E | RM10 |
| 1 | RA1206 (4X0603) 4B8_100K | R_MATRIX_4E | RM3 |
| 1 | 10pF | C-EUC0402_TI | C82 |
| 2 | 22pF | C-EUC0402_TI | C110, C115 |
| 6 | 33pF | C-EUC0603_DWS | C116, C117, C201, C211, C248, C249 |
| 8 | 1nF | C-EUC0402_TI | C139, C140, C141, C142, C167, C173, C187, C209 |
| 1 | 1nF/2kV/X7R/1206 | C-EUC1206_5MILS_WS_ISO | C214 |
| 4 | 10nF | C-EUC0402_TI | C153, C154, C156, C157 |
| 23 | 100nF | C-EUC0402_TI | C71, C83, C85, C87, C109, C119, C135, C136, C137, C149, C152, C193, C236, C237, C239, C240, C242, C243, C244, C247, C250, C252, C253 |
| 98 | 220nF | C-EUC0402_TI | C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C74, C75, C76, C92, C93, C94, C95, C96, C97, C98, C99, C100, C106, C107, C121, C126, C129, C130, C131, C132, C133, C144, C148, C164, C178, C184, C189, C194, C196 |
| 1 | 220nF/0603 | C-EUC0603_DWS | C182 |
| 2 | 470nF | C-EUC0603_DWS | C197, C199 |
| 6 | 1uF/10V | C-EUC0603_DWS | C108, C125, C159, C176, C179, C180 |
| 3 | 2.2uF/6.3V/10%/X5R/C0603 | C-EUC0603_DWS | C84, C86, C88 |
| 7 | 4.7uF/6.3V | C-EUC0603_DWS | C158, C163, C171, C183, C185, C186, C188 |
| 13 | 10uF/6.3V | C-EUC0603_DWS | C127, C128, C134, C146, C150, C155, C160, C161, C162, C166, C170, C172, C174 |
| 39 | 22uF/6.3V | C-EUC0603_DWS | C15, C89, C118, C120, C122, C123, C124, C138, C143, C145, C147, C151, C165, C168, C175, C177, C181, C190, C191, C192, C195, C198, C202, C203, C204, C205, C206, C207, C208, C210, C212, C213, C220, C222, C241, C246, C256, C257, C258 |
| 7 | 47uF/6.3V | C-EUC0805_5MIL_DWS | C72, C77, C79, C224, C232, C238, C245 |
| 1 | 470uF/10V/105C | CPOL-EUE2.5-6.3 | C200 |
| 1 | 1N4007/SMA | D-MLL-41 | D6 |
| 6 | 2.2uH/NR3015T2R2M/1.5A/3015 | L-CD32 | L11, L12, L13, L14, L15, L16 |
| 10 | FB0805/600R/2A | L-USL0805_5MIL_DWS | L1, L2, L5, L6, L7, L8, L9, L10, L17, L18 |
| 1 | 1N4148/SOD80C | DSMD | D7 |

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|---|--|--|------------------------------------|
| 2 | 1N5819(S4SOD-123) | SCHOTKKY7.62SS-1N5819 (S4SOD-123) | D1, D2 |
| 1 | 1N5822/SS34/SMA | D-MLL-41 | D5 |
| 1 | SMBJ6.0A | SMBJ16A | D3 |
| 1 | LED/GREEN/0603 | LEDLED-0603_TEST | LED1 |
| 1 | LED/RED/0603 | LEDLED-0603_TEST | PWR_LED |
| 1 | LED/YELLOW/0603 | LEDLED-0603_TEST | CHGLED |
| 1 | BC846B | NPN-TRANSISTOR_SOT23 | T1 |
| 1 | BSS138 | N-MOS+DIODBSS138(SOT23-3) | FET2 |
| 3 | IRLML6402 | P-MOS+DIODIRLML6402 | FET1, FET3, FET4 |
| 1 | Q32.768kHz/12.5pF/2P/SMD1206 | MC-306_MC-306-TEST | Q2 |
| 1 | Q24MHz/20pF/20ppm/2P/5x3.2mm | HC49/STEST | Q3 |
| 1 | Q25MHz/20pF/30ppm/4P/3.2x2.5 | SMALL_SMD_CRYSTAL_1 | Q4 |
| 1 | A20 | A10 | U1 |
| 1 | AMS1117 | LM1117 | VR3 |
| 1 | AP1231-2.5V(SOT23-5) | AP1231-33 | VR1 |
| 1 | AT24C16C-SSHM-T(SOIC-8) | 24LCXX | U6 |
| 1 | AXP209(QFN48) | AXP209 | U13 |
| 1 | KLM4G1YEMD-B031 | KLMAG2GEND-B031(FBGA153) | U23 |
| 1 | KSZ9031RNXCC-TR | KSZ9031RNXCC | U5 |
| 1 | MCP121T475I-TT | RESETMCP130T-300-I/TT | U14 |
| 2 | MT41K256M16HA-125:E (DDR3L-1600_11-11-11) | H5TQ2G63BFR_ MEM4G16D3EABG-125HYNIX | U2, U3 |
| 1 | MT3608(SOT23-6) | SY7208 | U16 |
| 3 | SY6280AAC(SOT23-5) | SY6280 | U10, U11, U12 |
| 2 | SY8089AAAC(SOT23-5) | SY8008 | U15, U17 |
| 1 | W25Q128FVSI | W25Q16BVSSI(SO-8) | U22 |
| 1 | FSMD035 | FUSE | FUSE1 |
| 2 | DW02R | CON2DW02R | 5V_SATA_PWR, LIPO_BAT |
| 1 | HDMI-SWM-19 | HDMI-MC34931HDMI-SWM-19_TEST | HDMI |
| 1 | HN1X3 | CON3HN1X3 | UART0 |
| 1 | MICRO_SD/TFC-WPAPR-08 | MICRO_SD/MMC_CP_ NEWTTEST_CREAM | SD/MMC |
| 1 | PA-V16X-2X10-LF | ML20GPH127SMT-02X10 (PA-V16X-2X10-LF)_TEST | GPIO-4 |
| 4 | PA-V16X-2X20-LF | ML40-GPH127SMT-02X20 (PA-V16X-2X20-LF)_TEST | GPIO-1, GPIO-2, GPIO-3, LCD_CON |
| 1 | PWRJ-2mm(YDJ-1134) | PWR-JAKPWR JACK_UNI_MILLING_ SMALLER_DRILLS | PWR_JACK |
| 1 | SATA-PWA-07 | SATA-PWA-07TEST | SATA |
| 3 | SIDE_WTCM-TR(3X4) | SW-TAKTSIDE_WTCM-TR(3X4) | PWR, RECOVERY, RESET |
| 1 | TM211Q01FM22_SH | TM211Q01FM22_SH | LAN |
| 1 | USB-OTG(MSB-SW-5AB-LF) | MINI_USB9 | USB_OTG |
| 2 | USB_A_VERTICAL | USB_SHIELDUSB_A_VERTICAL | USB_HOST1, USB_HOST2 |
| 1 | Closed | SJSJ_1_SMALLER_CLOSE_10MILS | NAND_E |
| 3 | Opened | SJSJ_SMALLER | 5V_E, 5V_E_SATA, WP_ENABLE |
| 1 | PC3:Closed/PB8:Opened | SJ2W5 | PC3/PB8 |
| 1 | NA | C-EUC0402_TI | C80 |
| 7 | NA | R-EU_R0402_TI | R3, R15, R28, R49, R50, R112, R122 |
| 1 | NA(0R) | R-EU_R0603_5MIL_DWS | R48 |
| 1 | NA(1N5822/SS34/SMA) | SCHOTKKY7.62SS2 | D4 |
| 6 | NA(2.2k) | R-EU_R0402_TI | R39, R40, R93, R94, R95, R96 |
| 2 | NA(2.7nH/0402) | L-USL0402_TI | L3, L4 |
| 3 | NA(10k) | R-EU_R0402_TI | R22, R23, R29 |
| 1 | NA(10uF/6.3V) | C-EUC0603_DWS | C251 |
| 3 | NA(22uF/6.3V) | C-EUC0603_DWS | C169, C221, C223 |
| 2 | NA(24pF) | C-EUC0402_TI | C81, C254 |
| 2 | NA(47uF/6.3V) | C-EUC0805_5MIL_DWS | C73, C78 |
| 3 | NA(100nF) | C-EUC0402_TI | C112, C113, C114 |
| 1 | NA(MT29F64G08CBABAWP:BTR) | H27UBG8T2A | U4 |
| 1 | NA(HN1X2) | CON2HN1X2 | BACKUP |
| 1 | NA(RA1206_(4X0603)_4B8_OR) | R_MATRIX_4E | RM2 |
| 3 | NA(RCLAMP0524P) | RCLAMP0524PTEST | U7, U8, U9 |
| 1 | NA(15pF) | C-EUC0402_TI | C90 |