

| Description | Designator | Footprint | Manufacturer Name | Manufacturer Part No. | LibRef | Quantity |
|--|---|-------------------------------|------------------------|-----------------------|--|----------|
| 0.50mm Pitch FFC/FPC DVI Connector | X2 | T_MOLEX_52435-2471 | Molex | 52435-2471 | CON-Molex-52435-2471-24-0.5mm | 1 |
| 220R@100MHz 2A EMI FILTER | L9, L10, L11, L12, L13, L17, L18, L19, L20, L21, L24, L25, L27, L31 | INDC1608X95N | | | L-220R@100MHz-2A-25%-0603 | 14 |
| 220R@100MHz 500mA EMI FILTER | L1, L2, L3, L4 | INDC1608X95N | | | L-220R@100MHz-500mA-25%-0603 | 4 |
| 2X20 PIN Header 2.54mm | X16 | T_JVE_21B22564-40S10B-01G | JVE | 21B22564-40S10B-01G | CON-JVE-21B22564-40S10B-01G-2X20-2.54mm | 1 |
| 3.5mm Stereo Jack SMD With Detect Contact | X8 | T_Ci_SJ-43516-SMT | Cui INC | SJ-43516-SMT | CON-Cui-SJ-43516-SMT-6-3.5mm | 1 |
| 39R@100MHz 4A EMI FILTER | L14, L22, L28, L30 | INDC2013X130N | Panasonic | EXC-ML20A390U | L-Panasonic-EXC-ML20A390U-39R@100MHz-4A-25%-0805 | 4 |
| 40R@100MHz 600mA EMI FILTER | L5, L6, L7 | INDC1608X95N | TDK | MMZ1608S400A | L-TDK-MMZ1608S400A-40R@100MHz-600mA-25%-0603 | 3 |
| Audio Header 5 pins 2.54mm | X9 | T_3M_961105-6404-AR | 3M | 961105-6404-AR | CON-3M-961105-6404-AR | 1 |
| BAT54 Schottky Diode | D6, D7, D10, D12 | SOT95P230X110-3N | Philips | BAT54 | D-Philips-BAT54-Schottky | 4 |
| Battery Holder | BAT1 | T_KEYSTONE_3000 | Keystone | 3000 | BAT-Keystone-3000 | 1 |
| Bidirectional ESD protection | D8 | T_LITTLEFUSE_SMAJ30CA | Littelfuse | SMAJ30CA | D-Littelfuse-SMAJ30CA-Schottky | 1 |
| Capacitor Ceramic NPO 4.7pF 25V 10% 0603 | C7, C8 | T_CAPC0603X33N | | | C-NPO-4.7pF-25V-10%-0603 | 2 |
| Capacitor Ceramic NPO 10pF 50V 10% 0603 | C1, C2, C4, C9, C10, C11 | T_CAPC0603X33N | | | C-NPO-10pF-50V-10%-0603 | 6 |
| Capacitor Ceramic NPO 15pF 50V 10% 0603 | C29, C30, C31, C32, C119 | T_CAPC0603X33N | | | C-NPO-15pF-50V-10%-0603 | 5 |
| Capacitor Ceramic X5R 10uF 10V 20% 0805 | C64 | T_CAPC0805X125N | | | C-X5R-10uF-10V-20%-0805 | 1 |
| Capacitor Ceramic X5R 10uF 50V 20% 1210 | C67, C68, C69, C72, C73, C76, C77 | CAPC3225X160N | | | C-X5R-10uF-50V-20%-1210 | 7 |
| Capacitor Ceramic X5R 10uF 6.3V 20% 0603 | C33, C63 | T_CAPC0603X33N | | | C-X5R-10uF-6.3V-20%-0603 | 2 |
| Capacitor Ceramic X5R 10uF 6.3V 20% 0805 | C75, C79, C81, C83 | T_CAPC0805X125N | | | C-X5R-10uF-6.3V-20%-0805 | 4 |
| Capacitor Ceramic X5R 1uF 16V 20% 0603 | C62 | T_CAPC0603X33N | | | C-X5R-1uF-16V-20%-0603 | 1 |
| Capacitor Ceramic X5R 2.2uF 6.3V 20% 0603 | C84, C85 | T_CAPC0603X33N | | | C-X5R-2.2uF-6.3V-20%-0603 | 2 |
| Capacitor Ceramic X5R 22uF 10V 20% 0805 | C74, C78, C80, C82 | T_CAPC0805X125N | | | C-X5R-22uF-10V-20%-0805 | 4 |
| Capacitor Ceramic X5R 22uF 25V 20% 1210 | C55, C59 | CAPC3225X160N | | | C-X5R-22uF-25V-20%-1210 | 2 |
| Capacitor Ceramic X7R 100nF 16V 10% 0603 | C12, C13, C15, C17, C19, C25, C34, C36, C37, C38, C39, C40, C43, C44, C45, C46, C47, C48, C49, C50, C51, C54, C58, C61, C70, C71, C86 C95, C96, C97, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118 | T_CAPC0603X33N | | | C-X7R-100nF-16V-10%-0603 | 45 |
| Capacitor Ceramic X7R 100nF 50V 20% 0603 | C60 | T_CAPC0603X33N | | | C-X7R-100nF-50V-20%-0603 | 1 |
| Capacitor Ceramic X7R 10nF 25V 10% 0603 | C14, C16, C18, C20, C21, C22, C23, C24 | T_CAPC0603X33N | | | C-X7R-10nF-25V-10%-0603 | 8 |
| Capacitor Ceramic X7R 1nF 50V 10% 0603 | C66, C90, C91, C92, C93, C94 | T_CAPC0603X33N | | | C-X7R-1nF-50V-10%-0603 | 6 |
| Capacitor Ceramic X7R 2.7nF 50V 10% 0402 | C65 | CAPC1005X60N | | | C-X7R-2.7nF-50V-10%-0402 | 1 |
| Capacitor Ceramic X7R 220pF 50V 20% 0603 | C3 | T_CAPC0603X33N | | | C-X7R-220pF-50V-20%-0603 | 1 |
| Capacitor Ceramic NPO 47pF 50V 10% 0603 | C5, C6 | T_CAPC0603X33N | | | C-NPO-47pF-50V-10%-0603 | 2 |
| Capacitor TA 100uF 10V 20% 3528 | C41 | CAPMP3528X210N | | | C-TA-100uF-10V-20%-3528 | 1 |
| Capacitor TA 22uF 10V 20% 3528 | C42, C98, C102, C103 | CAPMP3528X210N | | | C-TA-22uF-10V-20%-3528 | 4 |
| Capacitor TA 4.7uF 10V 20% 3216 | C99, C100, C101 | T_CAPMP3216X180N | | | C-TA-4.7uF-10V-20%-3216 | 3 |
| Capacitor TA 47uF 6.3V 20% 3216 | C26, C27, C52, C53 | CAPMP3528X210N | | | C-TA-47uF-6.3V-20%-3216 | 4 |
| Common Mode Choke High Speed 90R 330mA | L15, L16 | T_Murata_DLW21SN900SQ2 | Murata | DLW21SN900SQ2 | L-Murata-DLW21SN900SQ2-90R@100MHz-330mA-25% | 2 |
| Dual High Side Switch With OC_DET 500mA/CH | IC1 | SOIC127P600X173-8N | Texas Instruments | TPS2042BD | IC-TI-TPS2042BD | 1 |
| Dual N-Channel 20V (D-S) MOSFET | T3 | SOTFL50P160X60-6N | Vishay | SI-1024-X | T-Vishay-SI-1024X-N | 1 |
| DVI Connector | X4 | T_MOLEX_74320-1004 | Molex | 74320-1004 | CON-Molex-74320-1004-31 | 1 |
| D-Vishay-SS3P3-E3/84A-Schottky | D13 | T_VISHAY_SS3P3 | Vishay | SS3P3-E3/84A | D-Vishay-SS3P3-E3/84A-Schottky | 1 |
| Fuse 7A Fast | F1 | T_LITTELFUSE_0458 | Littelfuse | 0458007 | F-Littelfuse-0458007 | 1 |
| Inductance 6.8uH 2.9A 20% | L26 | T_INDM7373X45N | Würth | 7447779006 | L-Wurth-7447779006-6.8uH-2.9A-20% | 1 |
| Inductance 12uH 3.91A 20% | L8 | T_INDM120120X80N | Würth | 744771112 | L-Wurth-744771112-12uH-3.91A-20% | 1 |
| Jumper, 3-Pin | JP2 | T_TYCO_826936-3 | Tyco | 826936-3 | CON-Tyco-826936-3-1X3-2.54mm-JP | 1 |
| LVDS Connector | X7 | T_HIROSE_DF13A-20DP-1.25V(56) | Hirose | DF13A-20DP-1.25v(56) | CON-Hirose-DF13A-20DP-1.25v(56)-2x10-1mm | 1 |
| LVDS Converter | IC9 | SOP50P810X120-48N | National Semiconductor | DS90C363BMT | IC-NS-DS90C363BMT | 1 |
| Micro SD Holder Push Push CD | X10 | T_AMPENOL_101-00581-59 | Ampenol | 101-00581-59 | CON-Ampenol-101-00581-59 | 1 |
| Micro USB OTG Connector | X12 | T_MOLEX_47589-0001 | Molex | 47589-0001 | CON-Molex-47589-0001-5-0.65 | 1 |
| Microminiature Tact Switch for SMT | SW1 | T_CNK_KMR211GLFS | C&N | KMR211GLFS | SW_Cnk-KMR211GLFS-1VA | 1 |
| N-Channel PowerTrench SyncFET | T1, T2 | SOIC127P600X173-8N | Fairchild | FDS6982AS | T-Fairchild-FDS6982AS-N | 2 |

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| NCP511 LDO Regulator | IC7 | SOT95P279X142-5N | ON Semiconductor | NCP511SN33T1G | IC-ON-NCP511SN33T1G | 1 |
| Power Connector | X17 | T_TYCO_284512-2 | Tyco | 284512-2 | CON-Tyco-284512-2-1x2-3.5mm | 1 |
| Power Connector mate | Mech3 | Dummy | Tyco | 284506-2 | CON-Tyco-284506-2 Not for PCB Assembly. Not Present in library | 1 |
| Power Supply Controller | IC5 | QFN50P500X500X100-33N | Texas Instruments | TPS51120 | IC-TI-TPS51120 | 1 |
| Power Supply FB 10A | L23, L29 | T_Laird_35F0121-0SR-10 | Laird | 35F0121-0SR-10 | L-Laird-35F0121-0SR-10-10A-25% | 2 |
| Quartz 32.768kHz | OSC | T_MC_CC4V-T1A | Micro Crystal | CC4V-T1A | OSC-MC-CC4V-T1A-32.768KHz-30ppm-5x1.9mm | 1 |
| Resistor 0 ohm 63mW 1% 0603 | R6, R14, R15, R16, R19, R20, R36, R37, R39, R42, R44, R56, R62, R63, R67, R84, R88, R90, R91, R93, R94 | T_RESC0603X30N | | | R-0R-63mW-1%-0603 | 21 |
| Resistor 1 Kohm 63mW 5% 0603 | R13, R82, R116 | T_RESC0603X30N | | | R-1KR-63mW-5%-0603 | 3 |
| Resistor 15 Kohm 63mW 5% 0603 | R30, R58, R59, R60 | T_RESC0603X30N | | | R-15KR-63mW-5%-0603 | 4 |
| Resistor 1.8 Kohm 63mW 5% 0603 | R11, R12 | T_RESC0603X30N | | | R-1.8KR-63mW-5%-0603 | 2 |
| Resistor 10 Kohm 63mW 1% 0402 | R70, R108 | RESC1005X40N | | | R-10KR-63mW-1%-0402 | 2 |
| Resistor 10 ohm 63mW 5% 0603 | R57 | T_RESC0603X30N | | | R-10R-63mW-5%-0603 | 1 |
| Resistor 100 Kohm 63mW 5% 0402 | R117, R118, R119 | RESC1005X40N | | | R-100KR-63mW-5%-0402 | 3 |
| Resistor 100 Kohm 63mW 5% 0603 | R24, R27, R29, R49, R50, R53, R61, R65, R69, R100, R106, R107, R120 | T_RESC0603X30N | | | R-100KR-63mW-5%-0603 | 13 |
| Resistor 15 mohm 250mW 1% 1206 | R73 | RESC3316X76N | | | R-15mR-250mW-1%-1206 | 1 |
| Resistor 150 ohm 63mW 1% 0603 | R25, R26, R28, R31, R32, R33, R95, R96 | T_RESC0603X30N | | | R-150R-63mW-1%-0603 | 8 |
| Resistor 22 ohm 63mW 5% 0603 | R1, R2, R3, R4, R5, R7, R8, R9, R10, R77, R78, R79, R80, R83, R85, R86, R87, R98, R114 | T_RESC0603X30N | | | R-22R-63mW-5%-0603 | 19 |
| Resistor 24 mohm 250mW 1% 1206 | R74 | RESC3316X76N | | | R-24mR-250mW-1%-1206 | 1 |
| Resistor 33 Kohm 63mW 5% 0603 | R101 | T_RESC0603X30N | | | R-33KR-63mW-5%-0603 | 1 |
| Resistor 33 ohm 63mW 5% 0603 | R76, R97 | T_RESC0603X30N | | | R-33R-63mW-5%-0603 | 2 |
| Resistor 4.7 Kohm 63mW 5% 0603 | R54, R55 | T_RESC0603X30N | | | R-4.7KR-63mW-5%-0603 | 2 |
| Resistor 4.7 ohm 63mW 5% 0402 | R64, R71, R72 | RESC1005X40N | | | R-4.7R-63mW-5%-0402 | 3 |
| Resistor 50 ohm 63mW 1% 0603 | R47, R48, R51, R52 | T_RESC0603X30N | | | R-50R-63mW-1%-0603 | 4 |
| Resistor 560 ohm 63mW 5% 0603 | R34, R81, R115 | T_RESC0603X30N | | | R-560R-63mW-5%-0603 | 3 |
| Resistor 6.2 Kohm 63mW 1% 0402 | R68 | RESC1005X40N | | | R-6.2KR-63mW-1%-0402 | 1 |
| Resistor 68 Kohm 63mW 5% 0603 | R102, R103, R104, R105 | T_RESC0603X30N | | | R-68KR-63mW-5%-0603 | 4 |
| Resistor array 4 x 22R | RA1, RA2, RA3, RA4, RA5, RA6, RA7, RA8, RA9, RA10, RA11, RA12, RA13 | T_RESISTOR_ARRAY_X4 | | | RA-22R-63mW-5%-1206 | 13 |
| RGB Connector | X3 | T_OMRON_XF2M-4015-1A | Omron | XF2M-4015-1A | CON-Omron-XF2M-4015-1A-40-0.5mm | 1 |
| RJ45 Connector | X15 | T_PULSE_J00-0065NL | Pulse | J00-0065NL | CON-Pulse-J00-0065NL | 1 |
| RS232 Header | X13, X14 | T_FCI_77313-101-10-LF-WOA10 | FCI | 77313-101-10-LF-woA10 | CON-Fci-77313-101-10-LF-woA10-9-2.54mm | 2 |
| RS-232 Serial Transceiver | IC4, IC6 | SOP65P780X200-28N | Texas Instruments | SN65C3243 | IC-TI-SN65C3243 | 2 |
| RTC M41T0M6 | IC8 | SOIC127P600X173-8N | ST | M41T0M6 | IC-ST-M41T0M6 | 1 |
| Single Schmitt-Trigger Buffer | IC3, IC10 | SOT65P210X110-5N | Texas Instruments | SN74LVC1G17 | IC-TI-SN74LVC1G17 | 2 |
| SODIMM Connector | X1 | T_TYCO_1473005-1 | Tyco | 1473005-1 | CON-Tyco-1473005-1-200-0.6mm | 1 |
| Surface mount LED green 20mA | LED1, LED2 | LEDC1608X80N | Avago | HSMG-C190 | LED-Avago-HSMG-C190 | 2 |
| Toradex_Logo | MECH1, MECH2 | T_TORADEX_LOGO | | | Toradex_Logo | 2 |
| Touch Connector | X19 | T_HIROSE_DF13C-6P-1.25V(51) | Hirose | DF13C-6P-1.25V(51) | CON-Hirose-DF13C-6P-1.25V(51)-1x6-1.25mm | 1 |
| TVS Array low cap | D1, D2, D3, D4, D5, D11 | T_SOT95P285X90-6N | Semtech | RCLAMP0504S | D-Semtech-RClamp0504S | 6 |
| USB Type A Connector | X11 | T_FCI_73725-0110BLF | FCI | 73725-0110BLF | CON-Fci-73725-0110BLF | 1 |
| Video DAC 8bit 140MHz | IC2 | QFP50P900X900X120-48N | Analog Devices | ADV7125KSTZ140 | IC-AD-ADV7125KSTZ140 | 1 |