

| Part Number                              | Description                                | Manufacturer  | Manufacturer Part Number                                    | Component Designators  | Component Count |
|--|--|---|---|--|-----------------|
| C-NP0-10p-50V-10%-0603                   | Capacitor Ceramic NP0 10pF 50V 10% 0603    | Generic   | NP0-10pF-50V-10%-0603                                       | C1, C2, C4, C9, C10, C11   | 6               |
| C-X7R-100n-16V-10%-0603                  | Capacitor Ceramic X7R 100nF 16V 10% 0603   | Generic   | X7R-100nF-16V-10%-0603                                      | C86, C95, 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, C96, C97, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118 | 45              |
| C-X7R-10n-25V-10%-0603                   | Capacitor Ceramic X7R 10nF 25V 10% 0603    | Generic   | X7R-10n-25V-10%-0603  | C14, C16, C18, C20, C21, C22, C23, C24   | 8               |
| C-TA-47u-6.3V-20%-3216                   | Capacitor TA 47uF 6.3V 20% 3216            | Generic   | TA-47uF-6.3V-20%-3216                                       | C26, C27, C52, C53   | 4               |
| C-NP0-15p-50V-10%-0603                   | Capacitor Ceramic NP0 15pF 50V 10% 0603    | Generic   | NP0-15pF-50V-10%-0603                                       | C29, C30, C31, C32, C119   | 5               |
| C-X7R-220pF-50V-20%-0603                 | Capacitor Ceramic X7R 220pF 50V 20% 0603   | Generic   | X7R-220pF-50V-20%-0603                                      | C3   | 1               |
| C-X5R-10uF-6.3V-20%-0603                 | Capacitor Ceramic X5R 10uF 6.3V 20% 0603   | Generic   | X5R-10uF-6.3V-20%-0603                                      | C33, C63   | 2               |
| C-TA-100uF-10V-20%-3528                  | Capacitor TA 100uF 10V 20% 3528            | Generic   | TA-100uF-10V-20%-3528                                       | C41  | 1               |
| C-TA-22u-10V-20%-3528                    | Capacitor TA 22uF 10V 20% 3528             | Generic   | TA-22uF-10V-20%-3528  | C42, C98, C102, C103   | 4               |
| C-NP0-47pF-50V-10%-0603                  | Capacitor Ceramic NP0 47pF 50V 10% 0603    | Generic   | NP0-47pF-50V-10%-0603                                       | C5, C6   | 2               |
| C-X5R-22u-25V-20%-1210                   | Capacitor Ceramic X5R 22uF 25V 20% 1210    | Generic   | X5R-22uF-25V-20%-1210                                       | C55  | 1               |
| C-X5R-10u-50V-20%-1210                   | Capacitor Ceramic X5R 10uF 50V 20% 1210    | Generic   | X5R-10uF-50V-20%-1210                                       | C67, C68, C69, C72, C73, C76, C77, C59   | 8               |
| C-X7R-100n-50V-20%-0603                  | Capacitor Ceramic X7R 100nF 50V 20% 0603   | Generic   | X7R-100n-50V-20%-0603                                       | C60  | 1               |
| C-X5R-1u-16V-20%-0603                    | Capacitor Ceramic X5R 1uF 16V 20% 0603     | Generic   | X5R-1uF-16V-20%-0603  | C62  | 1               |
| C-X5R-10uF-10V-20%-0805                  | Capacitor Ceramic X5R 10uF 10V 20% 0805    | Generic   | X5R-10uF-10V-20%-0805                                       | C64, C75, C79, C81, C83  | 5               |
| C-X7R-2.7n-50V-10%-0402                  | Capacitor Ceramic X7R 2.7nF 50V 10% 0402   | Generic   | X7R-2.7n-50V-10%-0402                                       | C65  | 1               |
| C-X7R-1nF-50V-10%-0603                   | Capacitor Ceramic X7R 1nF 50V 10% 0603     | Generic   | X7R-1nF-50V-10%-0603  | C66, C90, C91, C92, C93, C94   | 6               |
| C-NP0-4.7pF-25V-10%-0603                 | Capacitor Ceramic NP0 4.7pF 25V 10% 0603   | Generic   | NP0-4.7pF-25V-10%-0603                                      | C7, C8   | 2               |
| C-X5R-22uF-10V-20%-0805                  | Capacitor Ceramic X5R 22uF 10V 20% 0805    | Generic   | X5R-22uF-10V-20%-0805                                       | C74, C78, C80, C82   | 4               |
| C-X5R-2.2u-6.3V-20%-0603                 | Capacitor Ceramic X5R 2.2uF 6.3V 20% 0603  | Generic   | X5R-2.2u-6.3V-20%-0603                                      | C84, C85   | 2               |
| C-TA-4.7u-10V-20%-3216                   | Capacitor TA 4.7uF 10V 20% 3216            | Generic   | TA-4.7uF-10V-20%-3216                                       | C99, C100, C101  | 3               |
| BAT-Keystone-3000                        | Battery Holder                             | Keystone  | 3000  | BAT1   | 1               |
| CON-Header-1x3-Male-2.54mm               | Jumper, 3-Pin                              | JVE Tyco  | 21B1264-03S10-01G-6/3<br>826936-3                           | JP2  | 1               |
| CON-TerminalBlock-1x2-3.50-Mate          | Power Connector Mate 3.50mm pitch          | Dinkle Tyco   | EC350V-02P<br>284506-2                                      | MECH3  | 1               |
| CON-Tyco-1473005-1-200-0.6mm             | SODIMM Connector                           | Tyco  | 1473005-1-200-0.6mm   | X1   | 1               |
| CON-Amphenol-101-00581-59                | CON-Amphenol-101-00581-59                  | Amphenol  | 101-00581-59  | X10  | 1               |
| CON-USB-1x-Type-A-Vertical               | USB Type A Connector Vertical              | FCI Leamax  | 73725-0110BLF<br>3210-SRWE                                  | X11  | 1               |
| CON-Molex-47589-0001-5-0.65              | Micro USB OTG Connector                    | Molex   | 47589-0001  | X12  | 1               |
| CON-Header-2x5-Male-2.54mm               | Header Male, 2x5 Pins, 2.54mm pitch        | JVE   | 21B22564-10S10-01G-6/3                                      | X13, X14   | 2               |
| CON-Xunwang-XWRJ-1104C1009-3-1           | RJ45 Connector (with Magnetics)            | Xunwang   | XWRJ-1104C1009-3-1  | X15  | 1               |
| CON-Header-2x20-Male-2.54mm              | Header, 2x20 Pins, 2.54 mm pitch           | Amtek JVE   | PH1525-220GB-6/3-U<br>21B22564-40S10B-01G                   | X16  | 1               |
| CON-TerminalBlock-1x2-3.50               | Power Connector 3.5mm pitch                | Dinkle Tyco   | ECH350R-02P<br>284512-2                                     | X17  | 1               |
| CON-Hirose-DF13C-6P-1.25V(51)-1x6-1.25mm | Touch Connector                            | Hirose  | DF13C-6P-1.25V(51)  | X19  | 1               |
| CON-Molex-52435-2471-24-0.5mm            | 0.50mm Pitch FFC/FPC DVI Connector         | Molex   | 52435-2471  | X2   | 1               |
| CON-Omron-XF2M-4015-1A-40-0.5mm          | RGB Connector                              | Omron   | XF2M-4015-1A  | X3   | 1               |
| CON-DVI-OUT                              | DVI Connector                              | Amtek Atom Technology Molex   | DVIR-F29SWNC-L<br>ATOM010170010022<br>74320-1004            | X4   | 1               |
| CON-Hirose-DF13A-20DP-1.25v(56)-2x10-1mm | LVDS Connector                             | Hirose  | DF13A-20DP-1.25V(56)  | X7   | 1               |
| CON-Cui-SJ-43516-SMT-6-3.5mm             | 3.5mm Stereo Jack SMD With Detect Contact  | CUI   | SJ-43516-SMT  | X8   | 1               |
| CON-Header-1x5-Male-2.54mm               | Header 5 pins 2.54mm                       | JVE   | 21B12564-05S10B-01G-6/3                                     | X9   | 1               |
| CRY-32.7680kHz-12.SPF-20PPM-5x1.9mm      | Crystal                                    | Epson Micro Crystl  | FC-255 32.7680kHz-A-12.5<br>CC4V-T1A-32.768kHz-12.5pf-20ppm | OSC  | 1               |
| D-Semtech-RCIamp0504S                    | TVS Array low cap                          | Semtech   | RCIamp0504S   | D1, D2, D3, D4, D5, D11  | 6               |
| D-Vishay-SS3P3-E3/84A-Schottky           | D-Vishay-SS3P3-E3/84A-Schottky             | Vishay  | SS3P3-E3/84A  | D13  | 1               |
| D-BAT54-SOT23                            | BAT54 Schottky Diode                       | Fairchild Semiconductor Fairchild Semiconductor Fairchild Semiconductor NXP | BAT54<br>BAT54S<br>BAT54C<br>BAT54C                         | D6, D7, D10, D12   | 4               |
| D-SMAJ30CA-Schottky-SMA(DO-214AC)        | Bidirectional ESD protection               | Generic Littelfuse  | SMAJ30A<br>SMAJ30A  | D8   | 1               |
| F-Littelfuse-0458007                     | Fuse 7A Fast                               | Littelfuse  | 0458007.DR  | F1   | 1               |
| IC-TI-TPS2042BD                          | Dual High Side Switch With OC_DET 500mA/CH | Texas Instruments   | TPS2042BDG4   | IC1  | 1               |
| IC-AD-ADV7125KSTZ140                     | Video DAC 8bit 140MHz                      | Analog Devices  | ADV7125KSTZ140  | IC2  | 1               |
| IC-TI-SN74LVC1G17                        | Single Schmitt-Trigger Buffer              | Texas Instruments   | SN74LVC1G17   | IC3, IC10  | 2               |

| Part Number                                  | Description                            | Manufacturer                         | Manufacturer Part Number                             | Component Designators  | Component Count |
|--|--|--------------------------------------|--|--|-----------------|
| IC-TI-SN65C3243                              | RS-232 Serial Transceiver              | Texas Instruments                    | SN65C3243  | IC4, IC6   | 2               |
| IC-TI-TPS51120                               | Power Supply Controller                | Texas Instruments                    | TPS51120   | IC5  | 1               |
| IC-ON-NCP511SN33T1G                          | NCP511SN33T1G LDO Regulator            | ON Semi                              | NCP511SN33T1G  | IC7  | 1               |
| IC-ST-M41T0M6                                | RTC M41T0M6                            | ST Microelectronics                  | M41T0M6  | IC8  | 1               |
| IC-NS-DS90C363BMT                            | LVDS Converter                         | Texas Instruments                    | DS90C363BMT  | IC9  | 1               |
| L-220R@100MHz-2A-25%-0603                    | 220R@100MHz 2A EMI FILTER              | Generic<br>TDK                       | 220R@100MHz-2A-25%<br>220R@100MHz-2A-25%             | L9, L10, L11, L12, L13, L17, L18, L19, L20, L24, L25, L31, L1, L2, L3, L4  | 16              |
| Lemv-39R-4A-25%-0805                         | 39R@100MHz min4A EMI FILTER            | Max Echo<br>Panasonic                | BCMS201209A390 RDC008<br>EXC-ML20A390U               | L14, L22, L28, L30   | 4               |
| L-Murata-DLW21SN900SQ2-90R@100MHz-330mA-25%  | Common Mode Choke High Speed 90R 330mA | Murata<br>Murata                     | DLW21SN900SQ2L<br>DLW21SN900SQ2-90R@100MHz-330mA-25% | L15, L16   | 2               |
| L-Laird-35F0121-05R-10-10A-25%               | Power Supply FB 10A                    | Steward                              | 35F0121-05R-10-10A-25%                               | L23, L29   | 2               |
| L-Wurth-7447779006-6.8uH-2.9A-20%            | Inductance 6.8uH 2.9A 20%              | Wurth                                | 7447779006   | L26  | 1               |
| L-TDK-MMZ1608S400A-40R@100MHz-600mA-25%-0603 | 40R@100MHz 600mA EMI FILTER            | TDK                                  | MMZ1608S400A-40R@100MHz-600mA-25%                    | L5, L6, L7   | 3               |
| L-Wurth-744771112-12uH-3.91A-20%             | Inductance 12uH 3.91A 20%              | Wurth                                | 744771112  | L8   | 1               |
| LED-Avago-HSMG-C190-GREEN-0603               | Surface mount LED green 20mA           | Avago                                | HSMG-C190  | LED1, LED2   | 2               |
| MECH-Shunt-Jumper-Black-2.54mm               | Shunt Jumper                           | JVE                                  | S1002-OPS60-01G                                      | JPS2   | 1               |
| MECH-FFC-Cable-top/top-24-35mm-0.5mm         | FFC Cable 24 pin 35mm 0.5mm pitch      | Shanghai Jiaoye                      | FFC-0.5-24P-35mm                                     | Mech5  | 1               |
| PCB Iris                                     | PCB for Iris Carrier Board             | Suntak                               | PCB Iris V1.1.001                                    | PCB1   | 1               |
| Label: Iris V1.1A 01351100+serial"           | Label                                  | Generic                              | Barcode Label  | LBL1   | 1               |
| R-22R-63mW-5%-0603                           | Resistor 22 ohm 63mW 5% 0603           | Generic                              | 22R-63mW-5%-0603                                     | R1, R2, R3, R4, R5, R7, R8, R9, R10, R77, R78, R79, R80, R83, R85, R86, R87, R98, R114                           | 19              |
| R-33KR-63mW-5%-0603                          | Resistor 33 Kohm 63mW 5% 0603          | Generic                              | 33K-63mW-5%-0603                                     | R101   | 1               |
| R-68KR-63mW-5%-0603                          | Resistor 68 Kohm 63mW 5% 0603          | Generic                              | 68K-63mW-5%-0603                                     | R102, R103, R104, R105   | 4               |
| R-1.8KR-63mW-5%-0603                         | Resistor 1.8 Kohm 63mW 5% 0603         | Generic                              | 1.8K-63mW-5%-0603                                    | R11, R12   | 2               |
| R-100K-63mW-5%-0402                          | 000M100K000R000                        | Generic                              | 100K-63mW-5%-0402                                    | R117, R118, R119   | 3               |
| R-1KR-63mW-5%-0603                           | Resistor 1 Kohm 63mW 5% 0603           | Generic                              | 1K-63mW-5%-0603                                      | R13, R82, R116   | 3               |
| R-100KR-63mW-5%-0603                         | Resistor 100 Kohm 63mW 5% 0603         | Generic                              | 100K-63mW-5%-0603                                    | R24, R27, R29, R49, R50, R53, R61, R65, R69, R100, R106, R107, R120  | 13              |
| R-150R-63mW-1%-0603                          | Resistor 150 ohm 63mW 1% 0603          | Generic                              | 150R-63mW-1%-0603                                    | R25, R26, R28, R31, R32, R33, R95, R96   | 8               |
| R-15KR-63mW-5%-0603                          | Resistor 1 Kohm 63mW 5% 0603           | Generic                              | 15K-63mW-5%-0603                                     | R30, R58, R59, R60   | 4               |
| R-560R-63mW-5%-0603                          | Resistor 560 ohm 63mW 5% 0603          | Generic                              | 560R-63mW-5%-0603                                    | R34, R81, R115   | 3               |
| R-50R-100mW-1%-0603                          | Resistor 50 ohm 100mW 1% 0603          | Generic                              | R-50R-100mW-1%-0603                                  | R47, R48, R51, R52   | 4               |
| R-4.7kR-63mW-5%-0603                         | Resistor 4.7 Kohm 63mW 5% 0603         | Generic                              | 4.7k-63mW-5%-0603                                    | R54, R55   | 2               |
| R-10R-63mW-5%-0603                           | Resistor 10 ohm 63mW 5% 0603           | Generic                              | 10R-63mW-5%-0603                                     | R57  | 1               |
| R-0R-63mW-1%-0603                            | Resistor 0 ohm 63mW 1% 0603            | Generic<br>Panasonic / Panasonic ECG | 0R-63mW-1%-0603<br>ERJ-3GEY0R00V                     | R6, R14, R15, R16, R19, R20, R36, R37, R39, R42, R44, R56, R62, R63, R67, R84, R88, R90, R91, R93, R94, L21, L27 | 23              |
| R-4.7R-63mW-5%-0402                          | 000M000K004R700                        | Generic                              | 4.7R-63mW-5%-0402                                    | R64, R71, R72  | 3               |
| R-6.2KR-63mW-1%-0402                         | Resistor 6.2 Kohm 63mW 1% 0402         | Generic                              | 6.2K-63mW-1%-0402                                    | R68  | 1               |
| R-10K-63mW-1%-0402                           | 000M010K000R000                        | Generic                              | 10K-63mW-1%-0402                                     | R70, R108  | 2               |
| R-15mR-250mW-1%-1206                         | Resistor 15 mohm 250mW 1% 1206         | Generic                              | 15mR-250mW-1%-1206                                   | R73  | 1               |
| R-24mR-250mW-1%-1206                         | Resistor 24 mohm 250mW 1% 1206         | Generic                              | 24mR-250mW-1%-1206                                   | R74  | 1               |
| R-33R-63mW-5%-0603                           | Resistor 33 ohm 63mW 5% 0603           | Generic                              | 33R-63mW-5%-0603                                     | R76, R97   | 2               |
| RA-22R-63mW-5%-4x0603                        | Resistor Array 22 R 63mW 5% 4x0603     | Generic                              | 22R-63mW-5%-4x0603                                   | RA1, RA2, RA3, RA4, RA5, RA6, RA7, RA8, RA9, RA10, RA11, RA12, RA13  | 13              |
| SW_Cnk-KMR211GLFS-1VA                        | Microminiature Tact Switch for SMT     | C&K                                  | KMR211GLFS   | SW1  | 1               |
| T-Fairchild-FDS6982AS-N                      | N-Channel PowerTrench SyncFET          | Fairchild Semiconductor              | FDS6982AS-N  | T1, T2   | 2               |
| FET-N-CHANNEL-DUAL-SOT563                    | 2x N-Channel MOSFET 20V                | Diodes Inc.<br>ON Semi<br>Vishay     | DMG1024UV-7<br>NTZD3154NT1G<br>SI1024X-T1-E3         | T3   | 1               |