

| ITEM | REF DES | DNI/DNP | QTY | MFG PART # | MANUFACTURER | VALUE | DESCRIPTION |
|-------|--|---------|-----|---|---------------------------------------|------------------|---|
| 1 | AC1, AC2, DITHER_SYNC, EARTH, EN_UVLO, GND0, OVI, SGND, VOUT | - | 9 | 9020 BUSS | WEICO WIRE | MAXIMPAD | EVK KIT PARTS; MAXIM PAD; WIRE; NATURAL; SOLID; WEICO WIRE; SOFT DRAWN BUS TYPE-S; 20AWG |
| 2 | C1 | - | 1 | R474I310050A1K | KEMET | 0.1UF | CAP; THROUGH HOLE-RADIAL LEAD; 0.1UF; 10%; 440VAC/1000VDC; POLYPROPYLENE |
| 3 | C2, R281, R291 | - | 3 | MC0603SAF000T5E | MULTICOMP | 0 | RES;SMT (0603);0.1%;+/-400PPM/DEGC;0.1W; |
| 4 | C5 | - | 1 | EEU-EEZV4705 | PANASONIC | 47UF | CAP; THROUGH HOLE-RADIAL LEAD; 47UF; 20%; 450V; ALUMINUM-ELECTROLYTIC |
| 5 | C6, C21 | - | 2 | C1608X7R1H474K080AC | TDK | 0.47UF | CAPACITOR; SMT (0603); CERAMIC CHIP; 0.47UF; 50V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R; AUTO |
| 6 | C7 | - | 1 | VJ0603Y104XJUCW1BC;0603YC104KAT4A;885012206 | VISHAY DALE;AVX;WURTH ELECTRONICS INC | 0.1UF | CAPACITOR; SMT (0603); CERAMIC CHIP; 0.1UF; 16V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R |
| 7 | C8 | - | 1 | UMK107BJ105KA-T; C1608X5R1H105K080AB; CL10A105K8BNNN; GRM188R61H105KAAL | TAIYO YUDEN;TDK;SAMSUNG;MURATA | 1UF | CAPACITOR; SMT (0603); CERAMIC CHIP; 1UF; 50V; TOL=10%; MODEL= MK SERIES; TG=-55 DEGC TO +85 DEGC |
| 8 | C9 | - | 1 | GRM31CR71H475KA12 | MURATA | 4.7UF | CAPACITOR; SMT (1206); CERAMIC CHIP; 4.7UF; 50V; TOL=10%; MODEL=; TG=-55 DEGC TO +125 DEGC; TC=X7R |
| 9 | C10 | - | 1 | S01R18NS61J1V4 | JOHANSON DIELECTRICS INC | 560PF | CAP; SMT (1206); 560PF; 5%; 500V; COG; CERAMIC CHIP |
| 10 | C11 | - | 1 | D6035C102KAT2A | AVX | 1000PF | CAPACITOR; SMT (0603); CERAMIC CHIP; 1000PF; 50V; TOL=10%; TG=-55 DEGC TO +125 DEGC; TC=X7R |
| 11 | C16, C113 | - | 2 | 10TCF150ML | PANASONIC | 150UF | CAP; SMT (7343-31); 150UF; 20%; 10V; TANTALUM CHIP |
| 12 | C17 | - | 1 | 06031C562JAT2A | AVX | 5600PF | CAP; SMT (0603); 5600PF; 5%; 100V; X7R; CERAMIC CHIP |
| 13 | C18 | - | 1 | C0603C684K4PAC | KEMET | 0.68UF | CAP; SMT (0603); 0.68UF; 10%; 16V; X5R; CERAMIC CHIP |
| 14 | C20, C202, C203 | - | 3 | ERP610W222MERU | KEMET | 2200PF | CAP; THROUGH HOLE-RADIAL LEAD; 2200PF; 20%; 500V/760V; Y5U; POLYPROPYLENE |
| 15 | C114-C117 | - | 4 | GRM32ER61A476KE20 | MURATA | 47UF | CAPACITOR; SMT (1210); CERAMIC CHIP; 47UF; 10V; TOL=10%; TG=-55 DEGC TO +85 DEGC; TC=X5R |
| 16 | C161, C171 | - | 2 | C2012X7R1H225K | TDK | 2.2UF | CAPACITOR; SMT (0805); CERAMIC CHIP; 2.2UF; 50V; TOL=10%; MODEL=; TG=-55 DEGC TO +125 DEGC; TC=X7R |
| 17 | D1 | - | 1 | DF1508S | DIODES INCORPORATED | DF1508S | DIODE; RECT; SMT; PIV=800V; IF=1.5A |
| 18 | D2, D4 | - | 2 | 1N4148W-7-F | DIODES INCORPORATED | 1N4148W-7-F | DIODE; SWT; SMT (SOD-123); PIV=100V; IF=0.3A; -65 DEGC TO +150 DEGC |
| 19 | D3 | - | 1 | S1KL | TAIWAN SEMICONDUCTOR | S1KL | DIODE; RECT; SUB SMA; PIV=800V; IF=1A |
| 20 | D5 | - | 1 | MCMR12X000 PTL | MULTICOMP | 0 | RES;SMT (1206);0.1%;-200PPM/DEGC/+400PPM/DEGC;0.25W; |
| 21 | L1 | - | 1 | RN142-1.4-02-27M | SCHAEFFNER | RN142-1.4-02-27M | INDUCTOR; SMT; RN142-1.4-02-27; +50%/-30%; 1.4A |
| 22 | N1 | - | 1 | IPD80R2K4P7ATMA1 | INFINEON | IPD80R2K4P7ATMA1 | TRAN; NCH; TO-252-3; PD-(22W); I-(2.5A); V-(800V) |
| 23 | N2 | - | 1 | BSZ040N04L5G | INFINEON | BSZ040N04L5G | TRAN; OPTIMOS TM 3 POWER-TRANSISTOR; NCH; PG-TSDSON8; PD-(69W); I-(40A); V-(40V) |
| 24 | R1 | - | 1 | B57153S0100M000 | EPCOS | 10 | THERMISTOR; THROUGH HOLE-RADIAL LEAD; THICK FILM (EPOXY ENCAPSULATED METAL); 10 OHM; TOL=+/-20%; 2.0A |
| 25 | R2-R4 | - | 3 | WR12W2804FTL | WALSIN TECHNOLOGY CORPORATION | 2.8M | RES; SMT (1206); 2.8M; 1%; +/-100PPM/DEGC; 0.25W |
| 26 | R5, R13 | - | 2 | CPF0603B22KE | TE CONNECTIVITY | 22K | RESISTOR; 0603; 22K OHM; 0.1%; 25PPM; 0.063W; THIN FILM |
| 27 | R6 | - | 1 | PCF0603R-24K9B | TT ELECTRONICS | 24.9K | RESISTOR; 0603; 24.9K OHM; 0.1%; 25PPM; 0.063W; THIN FILM |
| 28 | R9 | - | 1 | ERJ-3EKFR8062 | PANASONIC | 80.6K | RES; SMT (0603); 80.6K; 1%; +/-100PPM/DEGC; 0.1W |
| 29 | R14-R16 | - | 3 | ERJ-8ENF6193 | PANASONIC | 619K | RES; SMT (1206); 619K; 1%; +/-100PPM/DEGC; 0.25W |
| 30 | R18 | - | 1 | ERJ-P08F2613 | PANASONIC | 261K | RES; SMT (1206); 261K; 1%; +/-100PPM/DEGC; 0.66W ; |
| 31 | R19 | - | 1 | CRCW060310R0FK; MCR03E2PFX10R0 | VISHAY DALE;ROHM | 10 | RESISTOR; 0603; 10 OHM; 1%; 100PPM; 0.10W; THICK FILM |
| 32 | R20 | - | 1 | CRCW0603100RFK;ERJ-3EKF1000;RC0603FR-07100RL | VISHAY DALE;PANASONIC | 100 | RESISTOR; 0603; 100 OHM; 1%; 100PPM; 0.10W; THICK FILM |
| 33 | R21 | - | 1 | RMN1206-FX-R910ELF | BOURNS | 0.91 | RES; SMT (1206); 0.91; 1%; +/-100PPM/DEGC; 0.5W |
| 34 | R22 | - | 1 | RC0603FR-07470RL | YAGEO PHYCOMP | 470 | RESISTOR; 0603; 470 OHM; 1%; 100PPM; 0.1W; THICK FILM |
| 35 | R26 | - | 1 | CRCW0603931R1FK | VISHAY DALE | 931 | RESISTOR; 0603; 931 OHM; 1%; 100PPM; 0.1W; THICK FILM |
| 36 | R27 | - | 1 | ERJ-3EKF4120 | PANASONIC | 412 | RES; SMT (0603); 412; 1%; +/-100PPM/DEGC; 0.1W |
| 37 | R28 | - | 1 | ERA-3AEB4870 | PANASONIC | 487 | RESISTOR; 0603; 487 OHM; 0.1%; 25PPM; 0.1W; METAL FILM |
| 38 | R29 | - | 1 | CRCW06034R70FN | VISHAY DALE | 4.7 | RESISTOR; 0603; 4.7 OHM; 1%; 100PPM; 0.10W; THICK FILM |
| 39 | R32 | - | 1 | RP73PF1J162RB | TE CONNECTIVITY | 162 | RES; SMT (0603); 162; 0.1%; +/-25PPM/DEGC; 0.166W |
| 40 | R100 | - | 1 | RR0816P-4992-B-T5-68C;PCF0603R-49K9B | SUSUMU CO LTD.;TT ELECTRONICS | 49.9K | RESISTOR; 0603; 49.9K OHM; 0.1%; 25PPM; 0.063W; METAL FILM |
| 41 | R181 | - | 1 | RK73H1J3601F | VISHAY DALE | 3.6K | RESISTOR; 0603; 3.6K; 1%; 100PPM; 0.10W; THICK FILM |
| 42 | R201 | - | 1 | ERJ-3EKF7502V | PANASONIC | 75K | RESISTOR; 0603; 75K OHM; 1%; 100PPM; 0.10W; THICK FILM |
| 43 | U1 | - | 1 | MAX17595ATE+ | MAXIM | MAX17595ATE+ | IC; PWM; PEAK-CURRENT-MODE CONTROLLERS FOR FLYBACK AND REGULATORS; TQFN16-EP 3X3 |
| 44 | U2 | - | 1 | 4N35-300E | AVAGO TECHNOLOGIES | 4N35-300E | IC; OPTO; PHOTOTRANSISTOR OPTOCOUPLER GENERAL PURPOSE TYPE; SMT 300MIL |
| 45 | U3 | - | 1 | TLV431BFTA | DIODES INCORPORATED | TLV431BFTA | IC; VREF; COST EFFECTIVE SHUNT REGULATOR; SOT23 |
| 46 | U4 | - | 1 | MAX17606AZT+ | MAXIM | MAX17606AZT+ | IC; CONV; SECONDARY-SIDE SYNCHRONOUS MOSFET DRIVER FOR FLYBACK CONVERTER; TSOT23-6 |
| 47 | PCB | - | 1 | MAX17595_MAXREFDES1187_APPS_P1 | MAXIM | PCB | PCB:MAX17595_MAXREFDES1187_APPS_P1 |
| 48 | C3 | DNI | 1 | C0603C472K1RAC; C1608X7R2A472K | KEMET;TDK | 4700PF | CAPACITOR; SMT; 0603; CERAMIC; 4700PF; 100V; 10%; X7R; -55degC to + 125degC; 0 +/-15% degC MAX. |
| 49 | C4 | DNI | 1 | C0603C680J5GAC; GRM188S1CH680JA01 | KEMET-MURATA | 68PF | CAPACITOR; SMT; 0603; CERAMIC; 68PF; 50V; 5%; COG; -55degC to + 125degC; 0 +/-30PPM/degC |
| 50 | R12 | DNI | 1 | CRCW0603133KFK; RK73H1JTTD1333F | VISHAY DALE;KOA SPEER | 133K | RESISTOR; 0603; 133K OHM; 1%; 100PPM; 0.10W; THICK FILM |
| 51 | R30 | DNI | 1 | CRCW25120000Z5 | VISHAY DALE | 0 | RESISTOR; 2512; 0 OHM; 1%; JUMPER; 1.0W; METAL FILM |
| 52 | R171 | DNI | 1 | CRCW06034R70FN | VISHAY DALE | 4.7 | RESISTOR; 0603; 4.7 OHM; 1%; 100PPM; 0.10W; THICK FILM |
| 53 | T1 | DNP | 0 | 750317622 | WURTH ELECTRONICS INC | 750317622 | EVKIT PART - TRANSFORMER; SMT 0 |
| 54 | C12 | DNP | 0 | N/A | N/A | OPEN | CAPACITOR; SMT (0603); OPEN; FORMFACTOR |
| 55 | C19 | DNP | 0 | N/A | N/A | OPEN | PACKAGE OUTLINE 1206 NON-POLAR CAPACITOR |
| 56 | C201 | DNP | 0 | N/A | N/A | OPEN | PACKAGE OUTLINE 1206 NON-POLAR CAPACITOR |
| 57 | R7, R8, R17, R202 | DNP | 0 | N/A | N/A | OPEN | PACKAGE OUTLINE 1206 RESISTOR |
| 58 | R10, R11, R23-R25, R31 | DNP | 0 | N/A | N/A | OPEN | RESISTOR; 0603; OPEN; FORMFACTOR |
| TOTAL | | | | 76 | | | |