

| Item | Qty | Reference | Part Description | Manufacturer / Part # |
|------|-----|-----------------|---------------------------------------|------------------------------------|
| 1 | 1 | C30 | CAP., NPO, 33pF, 50V, 0603 | AVX, 06035A330KAT2A |
| 2 | 1 | C17 | CAP., X7R, 1000pF, 2KV, 1808 | AVX, 1808GC102MAT |
| 3 | 1 | C28 | CAP., X7R, 2200pF, 50V, 0603 | AVX, 06035C222JAT |
| 4 | 1 | C11 | CAP., X7R, 2200pF, 2KV, 1808 | AVX, 1808GC222MAT1A |
| 5 | 4 | C13,C14,C15,C16 | CAP., X7R, 0.01uF, 100V, 0805 | MURATA, GRM21BR72A103KA01 |
| 6 | 1 | C8 | CAP., X7R, 0.1uF, 100V, 0805 | AVX, 08051C104JAT |
| 7 | 1 | C32 | CAP., X7R, 0.1uF, 50V, 0603 | AVX, 06035C104KAT2A |
| 8 | 3 | C19,C24,C27 | CAP., X7R, 1uF, 16V, 0805 | MURATA, GRM21BR71C105KA01 |
| 9 | 1 | C6 | CAP., X7R, 2.2uF, 100V, 1210 | MURATA, GRM32ER72A225KA01 |
| 10 | 1 | C5 | CAP., ELEC., 10uF, 100V | NIC COMP., NACEW100M100V6.3X8TR13F |
| 11 | 0 | C25,C31 | OPT. 0603 | |
| 12 | 1 | D1 | DIODE, 58V 400W TVS, SMA-DIODE | DIODES INC., SMAJ58A-13-F |
| 13 | 8 | D2-D9 | DIODE, SCHOTTKY, 1A, SMA-DIODE | DIODES INC., B1100-13-F |
| 14 | 2 | D11,D16 | DIODE, FAST SWITCHING, SOT23 | DIODES INC., BAS21-7-F |
| 15 | 1 | D12 | DIODE, 1A PASSIVATED RECTIFIER | DIODES INC., S1B |
| 16 | 1 | D13 | DIODE, SMT ZENER 36V, 400mW | NXP, PDZ36B |
| 17 | 1 | D14 | DIODE, SCHOTTKY, SOT23 | DIODES INC., BAT54-7-F |
| 18 | 1 | D15 | LED, GREEN, LED-ROHM-SML-010FT | ROHM, SML-010FT |
| 19 | 14 | E1-E14 | TP, TURRET, 0.094" | MILL-MAX, 2501-2-00-80-00-00-07-0 |
| 20 | 1 | J1 | CONN., RJ-45 RIGHT ANGLE, RJ45 | STEWART CONN. SYS.,SS-6488-NF-K1 |
| 21 | 0 | J2 | OPT., JUMPER, 2X3, .079CC, HD2X3-079 | |
| 22 | 1 | L2 | INDUCTOR, 10uH, DO1608C-103MLB | COILCRAFT, DO1608C-103MLB |
| 23 | 1 | Q1 | MOSFET, N-CH, 150V, 4.1A, SO8 | FAIRCHILD, FDS2582 |
| 24 | 1 | Q5 | TRANSISTOR, PNP, SILICON POWER, SOT23 | ON SEMI., BSS63LT1 |
| 25 | 1 | Q6 | TRANSISTOR, PNP, SILICON POWER, SOT23 | ON SEMI., MMBT3906 |
| 26 | 1 | Q7 | TRANSISTOR, NPN, SILICON POWER, SOT23 | ON SEMI., MMBT3904 |
| 27 | 1 | R11 | RES., CHIP, 0, JUMPER, 0603 | PANASONIC, ERJ3GEY0R00V |
| 28 | 1 | R16 | RES., CHIP, 0.033, 1/8W, 1%, 1206 | IRC, LRC-LRF1206LF-01-R033-F |
| 29 | 1 | R22 | RES., CHIP, 15, 1/16W, 5%, 0603 | VISHAY, CRCW060315R0JNEA |
| 30 | 1 | R10 | RES., CHIP, 20, 1/10W, 5%, 0805 | VISHAY, CRCW080520R0JNEA |
| 31 | 1 | R36 | RES., CHIP, 30.9, 1/16W, 1%, 0603 | VISHAY, CRCW060330R9FKEA |
| 32 | 4 | R4,R5,R6,R7 | RES., CHIP, 75, 1/16W, 5%, 0603 | VISHAY, CRCW060375R0JNEA |
| 33 | 1 | R17 | RES., CHIP, 100, 1/16W, 1%, 0603 | VISHAY, CRCW0603100RFKEA |
| 34 | 1 | R2 | RES., CHIP, 150, 1/4W, 5%, 1206 | VISHAY, CRCW1206150RJNEA |
| 35 | 1 | R20 | RES., CHIP, 3.01K, 1/16W, 1%, 0603 | VISHAY, CRCW06033K01FKEA |
| 36 | 1 | R18 | RES., CHIP, 10.0K, 1/16W, 1%, 0603 | VISHAY, CRCW060310K0FKEA |
| 37 | 1 | R28 | RES., CHIP, 10K, 1/16W, 5%, 0603 | VISHAY, CRCW060310K0JKEA |
| 38 | 1 | R8 | RES., CHIP, 20K, 1/16W, 5%, 0603 | VISHAY, CRCW060320K0JKEA |

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|-------------|------------|------------------|---|------------------------------|
| 1 | 1 | C30 | CAP., NPO, 33pF, 50V, 0603 | AVX, 06035A330KAT2A |
| 39 | 1 | R21 | RES., CHIP, 24K, 1/16W, 5%, 0603 | VISHAY, CRCW060324K0JKEA |
| 40 | 1 | R23 | RES., CHIP, 12K, 1/16W, 5%, 0603 | VISHAY, CRCW060312K0JKEA |
| 41 | 1 | R19 | RES., CHIP, 14.0K, 1/16W, 1%, 0603 | VISHAY, CRCW060314K0FKEA |
| 42 | 1 | R26 | RES., CHIP, 38.3K, 1/16W, 1%, 0603 | VISHAY, CRCW060338K3FKEA |
| 43 | 1 | R1 | RES., CHIP, 51K, 1/16W, 1%, 0603 | VISHAY, CRCW060351K0FKEA |
| 44 | 1 | R24 | RES., CHIP, 100K, 1/16W, 1%, 0603 | VISHAY, CRCW0603100KFKEA |
| 45 | 1 | R14 | RES., CHIP, 107K, 1/16W, 1%, 0603 | VISHAY, CRCW0603107KFKEA |
| 46 | 1 | R12 | RES., CHIP, 383K, 1/16W, 1%, 0603 | VISHAY, CRCW0603383KFKEA |
| 47 | 1 | T2 | XFMR, GATE DRIVE | PULSE, PE-68386NL |
| 48 | 1 | T3 | XFMR, POE PLUS, ETH1-230LD | COILCRAFT, ETH1-230LD |
| 49 | 1 | U1 | IC, LTC4269IDKD-1, DFN32 | LINEAR TECH., LTC4269IDKD-1 |
| 50 | 1 | U2 | I.C., OPTOCOUPERS PS2801-1-L | NEC, PS2801-1-L |
| 51 | 4 | for 4 Corners | STAND-OFF, NYLON (SNAP ON), 0.625" TALL | KEYSTONE, 8834 |

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|-------------|------------|---------------------|------------------------------------|--------------------------------|
| 1 | 1 | DC1335A GENERAL BOM | | |
| 2 | 1 | C1 | CAP., X5R, 22uF, 6.3V, 1206 | MURATA, GRM31CR60J226KE19 |
| 3 | 1 | C3 | CAP., X5R, 22uF, 6.3V, 1206 | MURATA, GRM31CR60J226KE19 |
| 4 | 1 | C4 | CAP., X7R, 2200pF, 50V, 0805 | AVX, 08055C222JAT |
| 5 | 1 | C7 | CAP., NPO, 22pF, 200V, 1206 | muRata, GRM31A7U2J220JW31D |
| 6 | 0 | C9 | OPT., 1206 | |
| 7 | 1 | C10 | CAP., TANT, 100uF, 6.3V, 3528 | NEO CAPACITOR, PSLB20J107M(25) |
| 8 | 1 | C18 | CAP., TANT, 22uF, 16V, B2 | NEO CAPACITOR, ESVB21C226M |
| 9 | 1 | C26 | CAP., X7R, 6800pF, 50V, 0603 | AVX, 06035C682JAT |
| 10 | 1 | C33 | CAP., X7R, 2200pF, 50V, 0603 | AVX, 06035C222JAT |
| 11 | 1 | D10 | DIODE, 0.5A SCHOTTKY, SOD123 | DIODES INC., B0540W-7 |
| 12 | 1 | R9 | RES., CHIP, 20K, 1/4W, 5%, 1206 | VISHAY, CRCW120620K0JNEA |
| 13 | 1 | R13 | RES., CHIP, 28.7K, 1/10W, 1%, 0603 | VISHAY, CRCW060328K7FNEA |
| 14 | 1 | R15 | RES., CHIP, 47, 1/16W, 5%, 0805 | VISHAY, CRCW080547R0JNEA |
| 15 | 1 | R25 | RES., CHIP, 1.0K, 1/16W, 1%, 0603 | VISHAY, CRCW06031K00FKEA |
| 16 | 1 | R27 | RES., CHIP, 5.1K, 1/16W, 1%, 0603 | VISHAY, CRCW06035K10FKEA |
| 17 | 1 | R33 | RES., CHIP, 270, 1/16W, 1%, 0603 | VISHAY, CRCW0603270RFKEA |
| 18 | 1 | R34 | RES., CHIP, 5.1, 1/4W, 5%, 1206 | VISHAY, CRCW12065R10JNEA |
| 19 | 0 | R35 | OPT. 0603 | |
| 20 | 1 | L1 | INDUCTOR, 180nH, DO1813H-181MLB | COILCRAFT, DO1813H-181MLB |
| 21 | 1 | T1 | XFMR, FLYBACK, EPC3408G-LF | PCA ELEC., EPC3408G-LF |
| 22 | 0 | T1 Option | XFMR, FLYBACK, PA2466NL | PULSE, PA2466NL |
| 23 | 1 | Q2 | MOSFET, N-CH, 30-V, SO8 | FAIRCHILD, FDS8670 |

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|-------------|------------|---------------------|------------------------------------|--------------------------------|
| 1 | 1 | DC1335A GENERAL BOM | | |
| 2 | 1 | C1 | CAP., X5R, 22uF, 6.3V, 1206 | MURATA, GRM31CR60J226KE19 |
| 3 | 1 | C3 | CAP., X5R, 22uF, 6.3V, 1206 | MURATA, GRM31CR60J226KE19 |
| 4 | 1 | C4 | CAP., X7R, 1500pF, 50V, 0805 | AVX, 08055C152JAT |
| 5 | 1 | C7 | CAP., NPO, 22pF, 200V, 1206 | muRata, GRM31A7U2J220JW31D |
| 6 | 0 | C9 | OPT., 1206 | |
| 7 | 1 | C10 | CAP., TANT, 100uF, 6.3V, 3528 | NEO CAPACITOR, PSLB20J107M(45) |
| 8 | 1 | C18 | CAP., TANT, 10uF, 16V, B2 | NEO CAPACITOR, ESVB21C106M |
| 9 | 1 | C26 | CAP., X7R, 3300pF, 50V, 0603 | AVX, 06035C332JAT |
| 10 | 1 | C33 | CAP., X7R, 1000pF, 50V, 0603 | AVX, 06035C102JAT |
| 11 | 0 | D10 | OPT. | |
| 12 | 1 | R9 | RES., CHIP, 39K, 1/4W, 5%, 1206 | VISHAY, CRCW120639K0JNEA |
| 13 | 1 | R13 | RES., CHIP, 27.4K, 1/10W, 1%, 0603 | VISHAY, CRCW060327K4FKEA |
| 14 | 0 | R15 | OPT. 0805 | |
| 15 | 1 | R25 | RES., CHIP, 1.21K, 1/16W, 1%, 0603 | VISHAY, CRCW06031K21FKEA |
| 16 | 1 | R27 | RES., CHIP, 10K, 1/16W, 1%, 0603 | VISHAY, CRCW060310K0FKEA |
| 17 | 1 | R33 | RES., CHIP, 620, 1/16W, 1%, 0603 | VISHAY, CRCW0603620RFKEA |
| 18 | 1 | R34 | RES., CHIP, 5.1, 1/4W, 5%, 1206 | VISHAY, CRCW12065R10JNEA |
| 19 | 1 | R35 | RES., CHIP, 0, JUMPER, 0603 | PANASONIC, ERJ3GEY0R00V |
| 20 | 1 | L1 | INDUCTOR, 180nH, DO1813H-181MLB | COILCRAFT, DO1813H-181MLB |
| 21 | 1 | T1 | XFMR, FLYBACK, PA2369NL | PULSE, PA2369NL |
| 22 | 0 | T1 Option | XFMR, FLYBACK, EPC3409G-LF | PCA ELEC., EPC3409G-LF |
| 23 | 1 | Q2 | MOSFET, N-CH, 30-V, SO8 | FAIRCHILD, FDS8880 |

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|-------------|------------|---------------------|------------------------------------|------------------------------|
| 1 | 1 | DC1335A GENERAL BOM | | |
| 2 | 1 | C1 | CAP., X7R, 4.7uF, 16V, 1206 | muRata, GRM31CR71C475KA01 |
| 3 | 1 | C3 | CAP., X7R, 4.7uF, 16V, 1206 | muRata, GRM31CR71C475KA01 |
| 4 | 1 | C4 | CAP., NPO, 470pF, 100V, 0805 | AVX, 08051A471KAT2A |
| 5 | 1 | C7 | CAP., NPO, 47pF, 200V, 1206 | muRata, GRM31A7U2J470JW31D |
| 6 | 1 | C10 | CAP., TANT, 47uF, 16V, 7343 | NEO CAPACITOR, PS1D1C476MH |
| 7 | 0 | C9 | OPT., 3528 | |
| 8 | 1 | C18 | CAP., TANT, 22uF, 16V, B2 | NEO CAPACITOR, ESVB21C226M |
| 9 | 1 | C26 | CAP., X7R, 4700pF, 50V, 0603 | AVX, 06035C472JAT |
| 10 | 1 | C33 | CAP., X7R, 1000pF, 50V, 0603 | AVX, 06035C102JAT |
| 11 | 0 | D10 | OPT. | |
| 12 | 1 | R9 | RES., CHIP, 20K, 1/4W, 5%, 1206 | VISHAY, CRCW120620K0JNEA |
| 13 | 1 | R13 | RES., CHIP, 29.4K, 1/10W, 1%, 0603 | VISHAY, CRCW060329K4FKEA |
| 14 | 0 | R15 | OPT. 0805 | |
| 15 | 1 | R25 | RES., CHIP, 2.20K, 1/16W, 1%, 0603 | VISHAY, CRCW06032K20FKEA |
| 16 | 1 | R27 | RES., CHIP, 10K, 1/16W, 1%, 0603 | VISHAY, CRCW060310K0FKEA |
| 17 | 1 | R33 | RES., CHIP, 2K, 1/16W, 1%, 0603 | VISHAY, CRCW06032K00FKEA |
| 18 | 1 | R34 | RES., CHIP, 15, 1/4W, 5%, 1206 | VISHAY, CRCW120615R0JNEA |
| 19 | 1 | R35 | RES., CHIP, 0, JUMPER, 0603 | PANASONIC, ERJ3GEY0R00V |
| 20 | 1 | L1 | INDUCTOR, 330nH, DO1813H-331MLB | COILCRAFT, DO1813H-331MLB |
| 21 | 1 | T1 | XFMR, FLYBACK, PA2467NL | PULSE, PA2467NL |
| 22 | 0 | T1 Option | XFMR, FLYBACK, EPC3410G-LF | PCA ELEC., EPC3410G-LF |
| 23 | 1 | Q2 | MOSFET, N-CH, 80-V, SO8 | FAIRCHILD, FDS3572 |