

| Item | Qty | Ref | Desc | Part Number |
|------|-----|--------------------------|---|-----------------------------|
| 1 | 4 | C1,C2,C8,C36 | CAP, X7R 1000pF 50V 10% 0603 | AVX 06035C102KAT1A |
| 2 | 1 | C3 | CAP, X7R 0.01uF 50V 10% 0603 | AVX 06035C103KAT1A |
| 3 | 1 | C4 | CAP, NPO 220pF 50V 5% 0603 | AVX 06035A221JAT |
| 4 | 2 | C23,C5 | CAP, NPO 470pF 50V 5% 0603 | AVX 06035A471JAT1A |
| 5 | 1 | C6 | CAP, X7R 4700pF 50V 10% 0603 | AVX 06035C472KAT |
| 6 | 5 | C7,C14,C32,C33,C38 | CAP, X7R 0.1uF 16V 10% 0603 | AVX 0603YC104KAT1A |
| 7 | 2 | C9,C10 | CAP, Y5V 1uF 25V 80% 0805 | AVX 08053G105ZAT2A |
| 8 | 1 | C11 | CAP, TANT 4.7uF 16V 20% 3538 | AVX TAJB475M016R |
| 9 | 2 | C13,C12 | CAP, X7R 0.47uF 16V 20% 0805 | AVX 0805YC474MAT1A |
| 10 | 3 | C15,C16,C22 | CAP, X7R 1uF 10V 20% 0805 | AVX 0805ZC105MAT1A |
| 11 | 4 | C17,C18,C27,C28 | CAP, ELEC 100uF 16V 20% | SANYO 16SA100M |
| 12 | 9 | C19-C21,C24-C26,C29-C31 | CAP, TANT 180uF 4V 20% 7343H | PANASONIC EEFUE0G181R |
| 13 | 1 | C34 | CAP, X7R 0.22uF 16V 10% 0603 | AVX 0603YC223KAT |
| 14 | 1 | C35 | CAP, Y5V 0.33uF 16V +80-20% 0603 | AVX 0603YG334ZAT |
| 15 | 1 | C37 | CAP, X7R .47uF 16V 10% 0603 | TAIYO YUDEN LMK107BJ474MA-T |
| 16 | 2 | D1,D2 | DIODE, UPS840 SCHOTTKY BARRIER RECTIFIER 40V 8A | MICROSEMI UPS840 |
| 17 | 1 | D3 | DIODE, BARRIER DOUBLE DIODES BAT54A SOT-23 | DIODES INC. BAT54A |
| 18 | 1 | D4 | DIODE, ZENER 5.1V | DIODES INC. MMBZ5231B |
| 19 | 1 | JP2 | CONN, HDR,3PIN 2MM | COMM CON CONN. 2802S-03G2 |
| 20 | 13 | J1-J6,J9,J12,J13,J16-J19 | TURRET | MILL-MAX 2501-2 |
| | 6 | J7,J8,J10,J11,J14,J15 | STUD, PEM #10 | PEM KFH-032-10 |
| | 6 | J7,J8,J10,J11,J14,J15 | NUT, BRASS 10-32 | ANY |
| | 6 | J7,J8,J10,J11,J14,J15 | WASHER, STAR #10 | ANY |
| | 6 | J7,J8,J10,J11,J14,J15 | RING, LUG RING #10 | KEYSTONE 8205 |
| 22 | 2 | L2,L1 | INDUCTOR, CEP125, 1uH | SUMIDA CEP125-1R0MC-U |
| 24 | 8 | Q1,Q2,Q3,Q4,Q10,Q6,Q7,Q9 | XSTR, Si7440DP N-CHANNEL (D-S) MOSFET 30V | SILICONIX Si7440DP |
| 26 | 3 | Q11,Q12,Q13 | XSTR, Si4842 N-CHANNEL 30V (D-S) MOSFET SO8 | SILICONIX Si4842DY |
| 27 | 7 | R1,R2,R8,R9,R14,R20,R21 | RES, 100 OHM 5% 1/16W 0603 | AAC CR16-101JM |
| 28 | 1 | R3 | RES, 17.8K OHM 1% 1/16W 0603 | AAC CR16-1782FM |
| 29 | 2 | R15,R4 | RES, 10K OHM 1% 1/16W 0603 | AAC CR16-1002FM |
| 30 | 1 | R5 | RES, 8.66K OHM 1% 1/16W 0603 | AAC CR16-8661FM |
| 31 | 1 | R6 | RES, 25.5K OHM 1% 1/16W 0603 | AAC CR16-2552FM |
| 32 | 1 | R7 | RES, 4.7K OHM 5% 1/16W 0603 | AAC CR16-472JM |
| 33 | 4 | R10,R11,R18,R19 | RES, 0.002 OHM 5% 1W 2512 | PANASONIC ERJM1WTJ2M0U |
| 34 | 1 | R12 | RES, 10 OHM 5% 1/16W 0603 | AAC CR16-100JM |
| 36 | 1 | R22 | RES, 30.1K OHM 1% 1/16W 0603 | AAC CR16-3012FM |

| | | | | |
|----|---|-------------|---|---------------------------|
| 37 | 1 | R23 | RES, 12.1K OHM 1% 1/16W 0603 | AAC CR16-1212FM |
| 38 | 1 | R24 | RES, 200K OHM 1% 1/16W 0603 | AAC CR16-2003FM |
| 39 | 1 | R25 | RES, 150K OHM 1% 1/16W 0603 | AAC CR16-1503FM |
| 40 | 1 | R26 | RES, 21.5K OHM 1% 1/16W 0603 | AAC CR16-2152FM |
| 41 | 1 | R27 | RES, 12.4K OHM 1% 1/16W 0603 | AAC CR16-1242FM |
| 42 | 1 | R28 | RES, 150 OHM 5% 1/16W 0603 | AAC CR16-151JM |
| 43 | 1 | R29 | RES, 86.6K OHM 1% 1/16W 0603 | AAC CR16-8662JM |
| 44 | 3 | R13,R30,R36 | RES, 0 OHM JUMPER 1/16W 0603 | AAC CJ06-000M |
| 45 | 1 | R32 | RES, 51K OHMS 5% 1/16W 0603 | AAC CR16-513JM |
| 46 | 1 | R33 | RES, 51 OHMS 5% 1/16W 0603 | AAC CR16-510JM |
| 47 | 1 | R34 | RES, 4.99 OHMS 1% 1/10W 0805 | AAC CR10-4R99FM |
| 49 | 1 | U1 | IC, LTC1929CG-PG 2 PHASE,STEP-DOWN SWITCHING REGULATORS | LINEAR TECH. LTC1929CG-PG |
| 50 | 1 | U2 | IC, LTC4350CGN HOT SWAPPABLE SHARE | LINEAR TECH. LTC4350CGN |
| | 4 | | SCREW, 4-40X1/2" | ANY |
| | 4 | | STANDOFF, NYLON HEX 4-40X1/2" | MICROPLASTICS 14HTSP003 |