

| Item | Qty | Ref                                | Desc                                | Manufacturer / Part #           |
|------|-----|------------------------------------|-------------------------------------|---------------------------------|
| 1    | 1   | CIN1                               | CAP, RADIAL270uF 16V                | SANYO OSCON 16SP270M            |
| 2    | 4   | CIN2,CIN3,CIN4,CIN11               | CAP, X5R 10uF 20% 16V 1210          | TDK C3225X5R1C106MT             |
| 3    | 0   | CIN5,CIN6,CIN7,C18,C19,C33,R43     | DO NOT STUFF                        | OPTION                          |
| 4    | 8   | CIN8-CIN10,C31,C37,C38,C44,C47     | CAP, X5R 1uF 16V 20% 0805           | TAIYO YUDEN EMK212BJ105MG-T     |
| 5    | 5   | COU2,COU3,COU4,COU5,COU6           | CAP, X5R 100uF 6.3V 20% 1210        | TDK C3225X5R0J107M              |
| 6    | 4   | COU12,C15,C16,C17                  | CAP, X5R 22uF 6.3V 20% 1210         | TAIYO YUDEN JMK325BJ226MM-T     |
| 7    | 3   | C1,C11,C36                         | CAP, X5R 1uF 10V 20% 0603           | AVX 0603ZD105MAT                |
| 8    | 2   | C2,C7                              | CAP, X7R 0.01uF 10V 10% 0603        | AVX 0603ZC103KAT                |
| 9    | 1   | C3                                 | CAP, X7R 1000pF 50V 20% 0603        | AVX 06035C102MAT                |
| 10   | 4   | C4,C5,C6,C8                        | CAP, X7R 2200pF 50V 20% 0603        | AVX 06035C222MAT                |
| 11   | 1   | C9                                 | CAP, NPO 100pF 50V 10% 0603         | AVX 06035A101KAT                |
| 12   | 6   | C10,C22,C26,C28,C32,C46            | CAP, X7R 0.1uF 16V 10% 0603         | AVX 0603YC104KAT                |
| 13   | 1   | C12                                | CAP, X7R 4.7uF 10V 20% 1206         | TAIYO YUDEN LMK316BJ475ML       |
| 14   | 2   | C14,C13                            | CAP, X7R 0.22uF 16V 20% 0603        | AVX 0603YD224MAT                |
| 15   | 4   | C20,C30,C49,C50                    | CAP, POSCAP 470uF 2.5V 20% 7343H    | SANYO 2R5TPD470M8               |
| 16   | 1   | C21                                | CAP, NPO 47pF 50V 5% 0603           | AVX 06035A470JAT2A              |
| 17   | 3   | C23,C29,C45                        | CAP, X7R 0.01uF 16V 10% 0603        | AVX 0603YC103KAT1A              |
| 18   | 1   | C24                                | CAP, NPO 100pF 50V 5% 0603          | AVX 06035A101JAT                |
| 19   | 2   | C25,C27                            | CAP, TANT 4.7uF 16V 20% 3528        | AVX TAJB475M016R                |
| 20   | 1   | C34                                | CAP, NPO 330pF 50V 10% 0603         | AVX 06035A331JAT                |
| 21   | 0   | C35                                | CAP, X7R 0.01uF 10V 10% 0603 OPTION | AVX 0603ZC103KAT OPTION         |
| 22   | 1   | C39                                | CAP, 4.7uF 35V +80%-20% 1206        | TAIYO YUDEN GMK316F475ZG        |
| 23   | 1   | C40                                | CAP, X5R 1uF 16V 20% 1206           | TAIYO YUDEN EMK316BJ105ML       |
| 24   | 1   | C41                                | CAP, NPO 10pF 50V 10% 0603          | AVX 06035A100KAT2A              |
| 25   | 2   | C43,C42                            | CAP, X5R 4.7uF 16V 20% 1206         | TAIYO YUDEN EMK316BJ475ML-T     |
| 26   | 1   | C48                                | CAP, TANT 10uF 10V 10% 3216         | AVX TPSA106K010R1800            |
| 27   | 8   | C51,C52,C53,C54,C55,C56,C57,C58    | CAP, X5R 100uF 6.3V 20% 1812        | TAIYO YUDEN JMK432BJ107MU-T     |
| 28   | 1   | D1                                 | DIODE, SCHOTTKY DIODES 200mW SOT23  | DIODES INC. BAT54A              |
| 29   | 2   | D2,D9                              | DIODE, CMDSH-3 SOD323               | CENTRAL CMDSH-3-LTC             |
| 30   | 1   | D3                                 | DIODES, SCHOTTKY DIODE 200mW SOT23  | DIODES INC. BAT54               |
| 31   | 3   | D4,D5,D6                           | DIODE, B320A SCHOTTKY RECTIFIER 3A  | DIODES INC. B320A               |
| 32   | 1   | D7                                 | DIODE, MMBZ5231BLT1 ZENER SOT23     | DIODES INC. MMBZ5231B-7         |
| 33   | 2   | D8,D10                             | DIODE, SCHOTTKY RECTIFIER 0.5A      | DIODES INC. B0540W              |
| 34   | 15  | TRIG1,E1-E8,E11-E13,VIN-,VIN+,SGND | TURRET                              | MILL MAX 2501-2                 |
| 35   | 6   | JP1,JP2,JP5,JP6,JP7,JP8            | HEADER,3 PINS 2mm                   | COMM 2802S-03G2                 |
| 36   | 4   | J1,J2,J3,J4                        | STUD, TEST PIN                      | PEM KFH-032-10                  |
| 37   | 2   | J5,J6                              | CONN, BNC, 5 PINS                   | CONNEX 112404                   |
| 38   | 3   | L1,L2,L3                           | INDUCTOR, 0.36uH                    | NEC TOKIN MBPI-1055-R36         |
| 39   | 1   | L4                                 | IND, 10uH                           | SUMIDA CMD4D08-100              |
| 40   | 1   | L5                                 | IND, 10uH                           | SUMIDA S2275315                 |
| 41   | 3   | Q1,Q3,Q5                           | XSTR, IRF6604 POWER MOSFET 20V      | INTERNATIONAL RECTIFIER IRF6604 |

|    |   |                         |                                 |                                 |
|----|---|-------------------------|---------------------------------|---------------------------------|
| 42 | 3 | Q2,Q4,Q6                | XSTR, IRF6607 POWER MOSFET 20V  | INTERNATIONAL RECTIFIER IRF6607 |
| 43 | 1 | Q14                     | XSTR, SUD50N03-10CP MOSFET      | SILICONIX SUD50N03-10CP         |
| 44 | 1 | Q15                     | XSTR, SWITCHING POWER PNP SOT23 | ZETEX FMMT718                   |
| 45 | 1 | Q16                     | XSTR, SWITCHING POWER NPN SOT23 | ZETEX FMMT619                   |
| 46 | 9 | R1,R10-R15,R28,R29      | RES, 10 OHMS 5% 1/16W 0603      | AAC CR16-100JM                  |
| 47 | 2 | R6,R3                   | RES, 8.06K OHMS 1% 1/16W 0603   | AAC CR16-8061FM                 |
| 48 | 1 | R4                      | RES, 2.43K OHMS 1% 1/16W 0603   | AAC CR16-2431FM                 |
| 49 | 2 | R5,R8                   | RES, 10K OHMS 5% 1/16W 0603     | AAC CR16-103JM                  |
| 50 | 1 | R7                      | RES, 12.1K OHMS 1% 1/16W 0603   | AAC CR16-1212FM                 |
| 51 | 1 | R9                      | RES, 13.3K 1% 1/16W 0603        | AAC CR16-1332FM                 |
| 52 | 1 | R16                     | RES, 4.75K OHMS 1% 1/16W 0603   | AAC CR16-4751FM                 |
| 53 | 1 | R17                     | RES, 133K OHMS 1% 1/16W 0603    | AAC CR16-1333FM                 |
| 54 | 1 | R18                     | RES, 357K OHMS 1% 1/16W 0603    | CR16-3573FM                     |
| 55 | 2 | R40,R19                 | RES, 0.005 OHM 1% 1W 2512       | PANASONIC ERJM1WSF5M0U          |
| 56 | 1 | R20                     | RES, 1 OHMS 5% 1/16W 0603       | AAC CR16-1R0JM                  |
| 57 | 3 | R23,R25,R27             | RES, 0.0015 OHM 1% 1W 2512      | PANASONIC ERJM1WTJ1M5U          |
| 58 | 0 | R30,R41,R42             | RES, 0603 OPTION                | OPT                             |
| 59 | 1 | R31                     | RES, 39K 5% 1/16W 0603          | AAC CR16-393JM                  |
| 60 | 1 | R32                     | RES, 1.5K 5% 1/16W 0603         | AAC CR16-152JM                  |
| 61 | 2 | R33,R34                 | RES, 50K VARIABLE 1 TURN G3A    | BOURNS 3313J-1-503E             |
| 62 | 1 | R35                     | RES, 390K 5% 1/16W 0603         | AAC CR16-394JM                  |
| 63 | 1 | R36                     | RES, 1K 5% 1/16W 0603           | AAC CR16-102JM                  |
| 64 | 1 | R37                     | RES, 3.9K OHMS 5% 1/16W 0603    | AAC CR16-392JM                  |
| 65 | 1 | R38                     | RES, 20K VARIABLE 1 TURN G3A    | BOURNS 3313J-1-203E             |
| 66 | 1 | R39                     | RES, 2K 5% 1/16W 0603           | AAC CR16-202JM                  |
| 67 | 1 | R44                     | RES, 115K 1% 1/16W 0603         | AAC CR16-1153FM                 |
| 68 | 1 | U1                      | IC, LTC3731CUH                  | LINEAR TECH LTC3731CUH          |
| 69 | 1 | U2                      | IC,TLC555CD SO8                 | TEXAS INST. TLC555CD            |
| 70 | 1 | U3                      | IC,LT1361CS8 SO8                | LINEAR TECH. LT1361CS8          |
| 71 | 1 | U4                      | IC,LT1210CR DDPAK-R-7P          | LINEAR TECH. LT1210CR           |
| 72 | 1 | U6                      | IC, LT1930ES5                   | LINEAR TECH. LT1930ES5          |
| 73 | 1 | U7                      | IC, LT1761ES5-5                 | LINEAR TECH. LT1761ES5-5        |
| 74 | 1 | VR1                     | IC, LT1004CS8-1.2               | LINEAR TECH. LT1004CS8-1.2      |
| 75 | 6 | JP1,JP2,JP5,JP6,JP7,JP8 | SHUNT, 2 PINS 2mm               | COMM CON CCIJ2mm-138G           |
| 76 | 8 | J1,J2,J3,J4             | NUT, BRASS #10-32               | ANY                             |
| 77 | 4 | J1,J2,J3,J4             | LUG RING, #10                   | Keystone #10                    |
| 78 | 4 | J1,J2,J3,J4             | WASHER, TIN PLATED BRASS        | ANY                             |
| 79 | 4 |                         | SCREW, 4-40 1/4"                | ANY                             |
| 90 | 4 |                         | STANDOFF, NYLON 4-40 1/4"       | ANY                             |
| 91 | 1 |                         | HEATSINK                        | THERMSHIELD TS-54477-AW         |
| 92 | 2 |                         | WASHER, FLAT #2                 | ANY                             |
| 93 | 2 |                         | SCREW, 2-56X1/4                 | ANY                             |