

| | A | B | C | D | E |
|----|--|-----|--------------------------|-------------------------------|----------------------------------|
| 1 | Item | Qty | Ref - Des | Desc | Manufacturer's Part Number |
| 2 | | | | | |
| 3 | REQUIRED CIRCUIT COMPONENTS: | | | | |
| 4 | 1 | 1 | CIN1 | CAP, 1210 2.2uF 10% 100V X7R | TDK C3225C7R1H225K |
| 5 | 2 | 1 | CIN2 | CAP, 1210 10uF 10% 63V X7R | MURATA GRM32ER71J106KA12K |
| 6 | 3 | 1 | CIN3 | CAP, 10uF 20% 63V ELEC | PANASONIC EEH-ZA1J100P |
| 7 | 4 | 1 | CIN4 | CAP, 0805 1uF 10% 100V X7S | TDK C2012X7S2A105K125AB |
| 8 | 5 | 2 | COUT1,COUT2 | CAP, 1210 22uF 10% 25V X7R | MURATA GRM32ER71E226KE15L |
| 9 | 6 | 1 | COUT3 | CAP, 1812 22uF 20% 25V X7R | TDK C4532X7R1E226M250KC |
| 10 | 7 | 1 | CTH | CAP, 0603 10nF 5% 25V X7R | AVX 06033C103JAT |
| 11 | 8 | 1 | CTHP | CAP, 0603 220pF 10% 50V NPO | AVX 06035A221KAT |
| 12 | 9 | 1 | CVCC | CAP, 0805 2.2uF 10% 16V X7R | AVX 0805YC225KAT2A |
| 13 | 10 | 2 | C1,C6 | CAP, 0603 0.1uF 10% 50V X7R | TDK C1608X7R1H104K080AA |
| 14 | 11 | 1 | C5 | CAP, 0603 1uF 20% 25V X7R | TDK C1608X7R1E105M080AB |
| 15 | 12 | 1 | L1 | IND, 5.6uH | COILCRAFT XAL5050-562MEB |
| 16 | 13 | 1 | RTH | RES, 0603 511 OHMS 1% 0.1W | VISHAY CRCW0603511RFKEA |
| 17 | 14 | 2 | R1,R13 | RES, 0603 100k OHMS 1% 1/10W | VISHAY CRCW0603100KFKEA |
| 18 | 15 | 1 | R2 | RES, 0603 10M OHMS 1% 1/10W | VISHAY CRCW060310M0FKEA |
| 19 | 16 | 2 | R3,R4 | RES, 0603 0 OHM JUMPER | VISHAY CRCW06030000Z0EA |
| 20 | 17 | 1 | R5 | RES, 0603 10 OHMS 1% 0.1W | VISHAY CRCW060310R0FKEA |
| 21 | 18 | 1 | R10 | RES, 0603 200k OHMS 1% 1/10W | VISHAY CRCW0603200KFKEA |
| 22 | 19 | 1 | R18 | RES, 0805 1M OHMS 1% 1/8W | VISHAY CRCW08051M00FKEA |
| 23 | 20 | 1 | R25 | RES, 0603 137k OHMS 1% 0.063W | VISHAY CRCW0603137KFKEA |
| 24 | 21 | 1 | R26 | RES, 0603 1M OHMS 1% 1/10W | VISHAY CRCW06031M00FKEA |
| 25 | 22 | 1 | R29 | RES, 0603 196k OHMS 1% 1/10W | VISHAY CRCW0603196KFKEA |
| 26 | 23 | 1 | R31 | RES, 0603 20 OHMS 1% 0.1W | VISHAY CRCW060320R0FKEA |
| 27 | 24 | 1 | R32 | RES, 0603 100 OHMS 1% 0.1W | VISHAY CRCW0603100RFKEA |
| 28 | 25 | 1 | U1 | IC, NEGATIVE OUTPUT REGULATOR | LINEAR TECH. LTC7149EFE#PBF |
| 29 | | | | | |
| 30 | ADDITIONAL DEMO BOARD CIRCUIT COMPONENTS: | | | | |
| 31 | 1 | 0 | CIN5 | CAP, OPTION | OPTION |
| 32 | 2 | 0 | C3,C4 | CAP, 0603 OPTION | OPTION |
| 33 | 3 | 0 | R19,R27,R30,R33 | RES, 0603 OPTION | OPTION |
| 34 | | | | | |
| 35 | HARDWARE | | | | |
| 36 | 1 | 12 | E1,E2,E3,E4,E5,E6,E7,E9, | TURRET | MILL MAX 2501-2-00-80-00-00-07-0 |
| 37 | | | E12,E13,E14,E15 | | |
| 38 | 2 | 3 | JP1,JP2,JP3 | HEADER, 3PIN, DBL ROW 2mm | SULLINS, NRPN032PAEN |

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|----|---|---|-----------------|-------------------|-----------------|
| 39 | 3 | 4 | MH1,MH2,MH3,MH4 | STANDOFF, SNAP ON | KEYSTONE 8833 |
| 40 | 4 | 3 | XJP1,XJP2,XJP3 | SHUNT | SAMTEC 2SN-BK-G |