



Bill of Materials

TI DESIGNS

| ITEM | QTY | REFERENCE DESIGNATOR | VALUE | DESCRIPTION | SIZE | MANUFACTURER | MANUFACTURER PART NUMBER |
|------|-----|--|-----------------|---------------------------------|-------------------|-----------------------|--------------------------|
| 1 | 1 | C1 | 10 uF | CAP CER 10UF 25V 20% X7R 1210 | CAP_1210 | TDK | C3225X7R1E106M |
| 2 | 2 | C2,C5 | 22 uF | CAP CERAMIC 22UF 6.3V X5R 0603 | CAP_0603 | TDK | C1608X5R0J226M080AC |
| 3 | 10 | C3,C6,C8,C10,C13,C15,C16, C18,C19,C21 | 0.1uF | CAP CERAMIC .1UF 25V X5R 0402 | CAP_0402 | TDK | C1005X5R1E104K050BC |
| 4 | 2 | C4,C14 | 1uF | CAP CERAMIC 1UF 10V X5R 0603 | CAP_0603 | TDK | C1608X5R1A105K080AC |
| 5 | 1 | C7 | 3.3 nF | CAP CER 3300PF 50V 10% X7R 0402 | CAP_0402 | TDK | C1005X7R1H332K050BA |
| 6 | 3 | C9,C11,C17 | 4.7uF | CAP CERAMIC 4.7UF 10V X5R 0603 | CAP_0603 | TDK | CGB3B1X5R1A475K055AC |
| 7 | 1 | C12 | 0.01uF | CAP CERAMIC .01UF 25V X5R 0402 | CAP_0402 | TDK | C1005X7R1E103K050BB |
| 8 | 1 | C20 | 510pF | CAP CER 510PF 50V 5% NP0 0402 | CAP_0402 | Murata | GRM1555C1H511JA01D |
| 9 | 1 | J1 | 929834-01-04-RK | CONN HEADER 4POS SNGL .100 STR | CON_HDR_4PIN | 3M | 929834-01-04-RK |
| 10 | 1 | J2 | 929834-01-06-RK | CONN HEADER 6POS SNGL .100 STR | CON_HDR_6PIN | 3M | 929834-01-06-RK |
| 11 | 1 | J3 | S4B-EH(LF)(SN) | CONN HEADER EH SIDE 2POS 2.5MM | CON_JST_4PIN_SIDE | JST | S4B-EH(LF)(SN) |
| 12 | 1 | L1 | 2.2 uH | IND 2.2uH 3.1Amp XFL4020 | XFL4020 | Coilcraft | XFL4020-222MEB |
| 13 | 2 | R1,R10 | 100K | RES 100K OHM 1/16W 1% 0402 SMD | RES_0402 | Yageo | RC0402FR-07100KL |
| 14 | 1 | R2 | 750K | RES 750K OHM 1/10W 1% 0402 SMD | RES_0402 | PANASONIC | ERJ-2RKF7503X |
| 15 | 1 | R3 | 1.0K | RES 1.0K OHM 1/16W 1% 0402 SMD | RES_0402 | PANASONIC | ERJ-2RKF1001X |
| 16 | 1 | R4 | 240K | RES 240K OHM 1/10W 1% 0402 SMD | RES_0402 | PANASONIC | ERJ-2RKF2403X |
| 17 | 1 | R5 | 1.5K | RES 1.5K OHM 1/10W 1% 0402 SMD | RES_0402 | PANASONIC | ERJ-2RKF1501X |
| 18 | 1 | R6 | 1.0M | RES 1.00M OHM 1/16W 1% 0402 SMD | RES_0402 | Yageo | RC0402FR-071ML |
| 19 | 2 | R7,R12 | 10K | RES 10K OHM 1/10W 1% 0402 SMD | RES_0402 | PANASONIC | ERJ-2RKF1002X |
| 20 | 1 | R8 | 220K | RES 220K OHM 1/16W 1% 0402 SMD | RES_0402 | Yageo | RC0402FR-07220KL |
| 21 | 1 | R9 | 200K | RES 200K OHM 1/16W 1% 0402 SMD | RES_0402 | Yageo | RC0402FR-07200KL |
| 22 | 1 | R11 | 20K | RES 20K OHM 1/16W .1% 0402 SMD | RES_0402 | TT Electronics/Welwyn | PCF0402PR20KBT1 |
| 23 | 1 | U1 | TLV62130RGT | IC REG BUCK SYNC ADJ 3A 16QFN | RGT | Texas Instruments | TLV62130RGT |
| 24 | 1 | U2 | REF5025AIDGK | IC VREF SERIES PREC 2.5V 8VSSOP | 8VSSOP | Texas Instruments | REF5025AIDGK |
| 25 | 1 | U3 | UA78L06ACPK | IC REG LDO 6.2V 0.1A SOT89-3 | SOT89-3 | Texas Instruments | UA78L06ACPK |
| 26 | 1 | U4 | TPS71750DSE | IC REG LDO 5V 0.15A 6WSON | 6WSON | Texas Instruments | TPS71750DSE |
| 27 | 1 | U5 | INA330AIDGST | IC OPAMP GP R-R 1KHZ SGL 10MSOP | MSOP-10 | Texas Instruments | INA330AIDGST |
| 28 | 1 | U6 | OPA569AIDWPR | IC OPAMP GP R-R 1.2MHZ 20SOPWR | 20SOPWR | Texas Instruments | OPA569AIDWPR |
| 29 | 1 | U7 | OPA340NA/3K | IC OPAMP GP R-R 5.5MHZ SOT23-5 | SOT23-5 | Texas Instruments | OPA340NA/3K |
| 30 | 1 | U8 | SN74AHC1G09DBVR | IC GATE AND SGL 2INP SOT23-5 | TI_DVB | Texas Instruments | SN74AHC1G09DVB |
| 31 | 1 | VR1 | 25k | TRIMMER 25K OHM 0.25W PC PIN | 3266_THRU_HOLE | Bourns Inc. | 3266W-1-253LF |