

Bill of Materials

pre_v3.PrjPCB

08-Feb-10

| Quantity | Comment | Footprint | SupplierPartNumber | Designator | Description |
|----------|----------------|-------------|--------------------|--|--------------------------------|
| 2 | 220p | CC2012-0805 | C0805C221K5RAC | C1, C4 | Capacitor |
| 2 | 560p | CC2012-0805 | C0805C561K5RAC | C2, C3 | Capacitor |
| 20 | 4u7 | CC2012-0805 | GRM21BR61E475KA12 | C5, C6, C7, C9, C10, C11, C12, C13, C14, C15, C17, C19, C20, C53, C65, C66, C68, C69, C70, C71 | Capacitor |
| 4 | 2u2 | CC2012-0805 | GRM31CR71H225KA88 | C8, C16, C18, C64 | Capacitor |
| 6 | 15u | CC3528-B | 593D156X9020B2 | C21, C22, C23, C24, C25, C26 | Polarized capacitor |
| 22 | 100n | CC2012-0805 | C0805C104K5RAC | C27, C28, C29, C30, C31, C35, C36, C37, C38, C43, C44, C46, C47, C48, C50, C51, C52, C54, C55, C56, C57, C67 | Capacitor |
| 6 | 330p | CC2012-0805 | C0805C331K5RAC | C32, C33, C34, C39, C40, C72 | Capacitor |
| 2 | 12p | CC2012-0805 | C0805C120C5GAC | C41, C49 | Capacitor |
| 2 | 39n | RAD-0.2 | BFC2 416 43903 | C42, C45 | Capacitor |
| 2 | 470n | CC2012-0805 | GRM21BR71H474KA88 | C58, C59 | Capacitor |
| 2 | 3p0 | CC2012-0805 | C0805C309C5GAC | C60, C61 | Capacitor |
| 2 | 33u | CC7343-D | 593D336X9025D2 | C62, C63 | Polarized capacitor |
| 2 | M83513/04-F05N | FL37P | M83513/04-F05N | J1, J2 | microD37 connector |
| 4 | MHDR1X2 | MHDR1X2 | TMS-102-02-G-S | J3, J4, J5, J6 | MicroHeader 1x2 pin 0.050 inch |
| 2 | MHDR1X6 | MHDR1X6 | TMS-106-02-G-S | J7, J8 | MicroHeader 1x6 pin 0.050 inch |
| 20 | MHDR1X2A | MHDR1X2 | None | J9, J10, J11, J12, J13, J14, J15, J16, J17, J18, J19, J20, J21, J22, J23, J24, J25, J26, J27, J28 | MicroHeader 1x2 pin 0.050 inch |
| 2 | SMB-M | C2012-0805 | 2508055007Y0 | L1, L2 | Ferrite bead |
| 2 | 10uH | C3225-1210 | NLC322522T-100K | L3, L4 | Inductor |
| 1 | DWR79 | DWR79 | SS910004-20B-35P-4 | P1 | Dewar 79 pin connector |
| 2 | SST404 | SO-G8 | SST404 | Q1, Q2 | Dual JFET |
| 2 | SST211 | SOT-143 | SST211 | Q3, Q4 | DMOS FET switch |
| 8 | 200 | C3216-1206 | CRCW1206200RFKEA | R1, R2, R7, R9, R10, R18, R25, R26 | Resistor |
| 12 | 1K | C3216-1206 | CRCW12061K00FKEA | R3, R4, R5, R6, R17, R19, R57, R58, R72, R73, R83, R87 | Resistor |
| 16 | 220 | C3216-1206 | CRCW1206220RFKEA | R8, R15, R37, R38, R39, R40, R41, R42, R45, R46, R47, R48, R49, R50, R55, R56 | Resistor |
| 12 | 100 | C3216-1206 | CRCW1206100RFKEA | R11, R12, R13, R14, R16, R27, R28, R29, R30, R32, R33, R34 | Resistor |
| 8 | 10R0 | C3216-1206 | CRCW120610R0FKEA | R35, R61, R62, R63, R64, R65, R66, R67 | Resistor |
| 4 | 20K | C3216-1206 | CRCW120620K0FKEA | R51, R52, R53, R54 | Resistor |
| 2 | 332 | C3216-1206 | CRCW1206332RFKEA | R59, R60 | Resistor |
| 2 | 5K6 | C3216-1206 | CRCW12065K60FKEA | R68, R69 | Resistor |
| 2 | 1M | C3216-1206 | CRCW12061M00FKEA | R70, R71 | Resistor |
| 4 | 1K5 | C3216-1206 | CRCW12061K50FKEA | R74, R75, R76, R77 | Resistor |
| 2 | 33R2 | C3216-1206 | CRCW120633R2FKEA | R78, R88 | Resistor |
| 2 | 620 | C3216-1206 | CRCW1206620RFKEA | R79, R80 | Resistor |
| 4 | 300 | C3216-1206 | CRCW1206300RFKEA | R81, R82, R85, R86 | Resistor |
| 2 | 4K99 | C3216-1206 | CRCW12064K99FKEA | R84, R89 | Resistor |
| 8 | 47K | SIP-6 | 4606-X-101-473 | RN1, RN2, RN3, RN4, RN5, RN6, RN7, RN8 | Resistor network |
| 6 | SHORT | SHORT | None | S1, S2, S3, S4, S5, S6 | Short-circuit |
| 2 | GND | TP107 | TP-107-02 | TP1, TP2 | Test point |
| 2 | AD829AR | SO-G8 | AD829ARZ | U1, U2 | Video op-amp |
| 2 | LT1460HCS3-2.5 | SOT-23 | LT1460HCS3-2.5 | U3, U4 | Voltage reference |

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|---|---------|-------|----------|--------|---------------------|
| 2 | INA128U | SO-G8 | INA128U | U5, U6 | Instrumentation amp |
| 1 | OP295GS | SO-G8 | OP295GSZ | U7 | Dual op-amp |