

Bill of Materials

pre_v1.PrjPCB

10-Feb-10

Quantity	Comment	Footprint	SupplierPartNumber	Designator	Description
1	5K	C3216-1206	CRCW12065K11FKEA		Resistor
7	470n	CC2012-0805	GRM21BR71H474KA88	C1, C2, C3, C4, C5, C18, C19	Capacitor
8	100n	CC2012-0805	C0805C104K5RAC	C6, C7, C9, C10, C16, C17, C20, C21	Capacitor
2	100n	RAD-0.2	MKC1850-410-06-5	C8, C11	Capacitor
2	22u	CC3528-B	593D226X9016B2	C12, C13	Polarized capacitor
2	3p0	CC2012-0805	C0805C309C5GAC	C14, C15	Capacitor
1	CCD47-20	TDIP-32	CCD47-20-1-331	EEV	Charge-coupled device
2	HDR2X10	HDR2X10	SSW-110-01-G-D	J1, J2	Header 2x10 pin 0.100 inch
1	HDR2X5	HDR2X5	SSW-105-01-G-D	J3	Header 2x5 pin 0.100 inch
2	10R0	C3528	CRCW120610R0FKEA	L1, L2	Ferrite bead
1	SMB	C2012-0805	2508055007Y0	L3	Ferrite bead
1	SMB-M	C2012-0805	2508055007Y0	L4	Ferrite bead
1	NTP5412NG	TO-220V	NTP5412NG	Q3	MOSFET n-channel
2	SST211	SOT-143	SST211	Q4, Q5	DMOS FET switch
2	SST404	SO-G8	SST404	Q6, Q7	Dual JFET
5	10K	C3216-1206	CRCW120610K0FKEA	R1, R2, R6, R8, R10	Resistor
4	274	C3216-1206	CRCW1206274RFKEA	R3, R34, R41, R42	Resistor
3	470	C3216-1206	CRCW1206470RFKEA	R4, R14, R15	Resistor
1	5K1	C3216-1206	CRCW12065K11FKEA	R5	Resistor
4	1K	C3216-1206	CRCW12061K00FKEA	R7, R16, R17, R18	Resistor
2	10M	C3216-1206	CRCW120610M0FKEA	R9, R47	Resistor
3	47K	SIP-6	4606-X-101-473	R11, R12, R13	Resistor network
2	511	C3216-1206	CRCW1206511RFKEA	R19, R21	Resistor
6	150	C3216-1206	CRCW1206150RFKEA	R20, R22, R27, R28, R29, R30	Resistor
1	100	C3216-1206	CRCW1206100RFKEA	R23	Resistor
6	10R0	C3216-1206	CRCW120610R0FKEA	R24, R25, R26, R31, R32, R33	Resistor
2	0R1	C3216-1206	WSL1206R1000FEA	R35, R36	Resistor
2	2K74	C3216-1206	CRCW12062K74FKEA	R37, R38	Resistor
2	330	C3216-1206	CRCW1206332RFKEA	R39, R40	Resistor
4	1K5	C3216-1206	CRCW12061K50FKEA	R43, R44, R45, R46	Resistor
3	SHORT	SHORT	None	S1, S2, S3	Short-circuit
2	AD829JR	SO-G8	AD829JR	U1, U2	Video op-amp
1	AD590KF	RAD-0.1	AD590KF	U3	Temperature sensor
1	TEC	AXIAL-0.6	2CP-055-065-31-17	U4	Thermoelectric cooler
1	LT1498CS8	SO-G8	LT1498CS8	U5	Dual op-amp