

Bill Of Materials

Components on Top Side

ICs

Component	Names	Value	Quantity	Case	Detail
AD633JR	IC18-19		2		
ADG441	IC6-9, IC13-15, IC22, IC27-28	DG211B	10		
LS14SO	IC21, IC23	HCT14	2		
LS126SO_small	IC26	HCT126	1		
LM393_SOIC8	IC24	LM393	1		
LM4040x	IC2	LM4040B-5.0V	1		
DC-DC_2W_DUAL	IC1	TBA2-0522	1		
OP_Quad_SOIC	IC3, IC5, IC10-12, IC16-17, IC20, IC25	TL074H	9		

Capacitors

Component	Names	Value	Quantity	Case	Detail
C_SMD	C26, C28, C30, C32, C35	*1nF	5		
C_SMD	C27, C29, C31, C33-34, C50-51	*100nF	7		
SMD_Elko_2312	C2-5	47uF	4		
C_SMD	C1, C6-25, C36-49, C52-64	100nF	48		

Diodes

Component	Names	Value	Quantity	Case	Detail
BAT54J	D15-17		3		
BAS70-04_SOT23-3	D1-14	BAS70-04	14		

Connectors

Component	Names	Value	Quantity	Case	Detail
Chinch_RCA_KOBI	J6-10		5		
PinHead 2x5 Boxhead	J4-5		2		Minion In
PinHead 2x25	J1-2		2		RIGHT
Switch-SR17A-8pos	J11-12		2		COEFF
PinHead_2mm_1x4_XH_rightangle	J13	DVM	1		
PinHead 1x3	J14	TRIGpol	1		
USB20-A1	J3	USB Power 5V	1		

Resistors

Component	Names	Value	Quantity	Case	Detail
R_SMD	R8-11, R13, R24-25, R58, R60, R62, R64, R97, R99	*1M	13		
R_SMD	R31-32, R34-35, R37-38, R40-41, R43-44, R95, R98,	*10k	13		

	R105		
R_SMD	R69-72, R75-78	*20k	8
R_SMD	R74, R80	*100k	2
R_SMD	R47, R50, R53, R56	*180k	4
R_SMD	R73, R79	*300k	2
R_SMD	R46, R49, R52, R55	*820k	4
R_SMD	R30, R33, R36, R39, R42, R45, R48, R51, R54, R57, R59, R61, R63, R82, R85, R101, R110-111, R115, R123	2k2	20
R_TRIM_hor	R14	2k5	1
R_SMD	R81, R84	2M2	2
R_SMD	R108-109, R116-117	5k1	4
R_SMD	R89-90, R114	7k5	3
R_SMD	R120	10k	1
R_SMD	R3, R5-6	10R	3
R_SMD	R4, R7, R15, R92	18k7	4
RT_PTC_SMD0805_small	R26-27, R65-68, R93-94, R112-113	20mA	10
PAN_ResArr8x_EXBA10P	R28	100k	1
R_SMD	R1, R12, R29, R83, R86-88, R91, R102-104	100k	11
R_TRIM_PTV09A	R16-23	100k, lin	8
R_TRIM_PTV09A	R100	100k,log	1
RT_PTC_SMD1206_small	R2	500mA	1
R_SMD	R96, R106-107, R118-119	560R	5

Others

Component	Names	Value	Quantity	Case	Detail
L_SMD_1812	L1-3	33uH	3		
BC858_SOT23	T2	BC858	1		
P-Channel MOSFET_small	T1	PMV65XP	1		

Totals for Top Side

Quantity
248

Components on Bottom Side**Totals for Bottom Side**

Quantity
0

Grand Totals

Quantity
248
