

Designator	Value	Comment	Description	Quantity
C1, C11, C20, C29, C30, C67	10nF	Cap EMIFIL	Murata - DSS6NZ82A103Q55B (Farnell code:9527508)	6
C2, C12	100pF	Cap MLCC C0G	SMD 0805, MLCC, C0G, 50V, Samsung	2
C3, C4, C5, C14, C15, C16, C22, C23, C27, C28, C35, C61	100nF	Cap MLCC X7R	SMD 0805, MLCC, X7R, 50V, Samsung	12
C6, C7, C17, C18	2200µF	Cap Polarized	35V, Panasonic FC	4
C8, C19	470µF	Cap Polarized	25V, Panasonic FC, Panasonic FC	2
C9	100nF	Cap Wima Film	Wima MKP10 630V/DC	1
C10, C13	10nF	Cap Wima Film	Wima MKP10 630V/DC	2
C21, C26	33µF	Cap Polarized Tantalum	20V, SMD E case (7343) Tantalum Capacitor	2
C24, C25, C39, C64	220µF	Cap Polarized	25V, Nippon Chemi-con KY	4
C31, C34, C38, C42, C43, C45, C55, C56, C60, C63	10nF	Cap MLCC C0G	SMD 1206, 10nF/25V/5%, C0G	10
C32, C40, C57, C65	150µF	Cap Polymer	16V, Sanyo Oscon	4
C33, C48, C66	10µF	Cap Polarized Tantalum	35V, C case (6032) Tantalum Capacitor	3
C36, C59	1µF	Cap Wima Film	Wima MKS2, 63V	2
C37, C41, C47, C51, C58, C62	100nF	Cap PPS Film	SMD 1913, Panasonic ECHU1H104GC9 (Farnell code:9695494)	6
C44, C46, C54	1nF	Cap MLCC C0G	SMD 0805 1.0nF 50V C0G Samsung	3
C49, C52	47pF	Cap MLCC C0G	C0805 50V C0G SAMSUNG	2
C50	10pF	Cap MLCC C0G	C0805 50V C0G SAMSUNG	1
C53	39pF	Cap MLCC C0G	C0805 50V C0G SAMSUNG	1
D1, D2, D5, D6, D7, D9, D10		MBR1100TR	Schottky Diode	7
D3, D8, D11, D12, D13, D16		TL431B	TL431BILPE3, 0.5%,Texas Instruments (Farnell code:1236526)	6
D4		MBR1100TR	Schottky Diode	1
D14		1N4148	4nS, Fast	1
D15		LED	RED	1
L1, L3	3.3mH/5ohm	Inductor Ferrite Core	CL3.3mH SW8A 5 ohm 210mA	2
L2	220µH/0.4ohm	Inductor Ferrite Core	CL3.3mH SW8A 5 ohm 210mA	1
L4, L6, L8, L15	2.2mH/6ohm	Inductor Ferrite Core	CL2.2mH SW68 6.0 ohm 140mA	4
L5, L7	33µH/1.1ohm	Inductor Ferrite Core	CL33uH CECL 1.1 ohm 280mA 10%	2
L9, L16	220µH/2.04ohm	Inductor Ferrite Core	CL220uH SW45, 2.04 ohm 280mA 10%	2
L10, L12, L14		Ferrite bead	SMD 0805, 2200ohm/100MHz, WUERTH ELEKTRONIK, (Farnell code:1635726)	3
L11	1mH/21ohm	Inductor Ferrite Core	CL1.0mH CECL, 21.0 ohm 60mA 10%	1
L13	10µH/0.22ohm	Inductor Ferrite Core	EPCOS - B82144A2103K, Q Factor @ Vr, F:60, SRF:60MHz, (Farnell code:515565)	1
P1, P2, P3, P5, P6		Header 2	Header, 2-Pin	5
P4, P7		Header 3	Header, 3-Pin	2
Q1, Q2, Q4		BC550C	NPN Low Noise Amplifier, NXP	3
Q3		BC560C	PNP Low Noise Amplifier, Fairchild	1
Q5, Q6		2N5486	N-Channel JFET, FAIRCHILD SEMICONDUCTOR	2
R1, R6	6K8	Res - SMD	SMD 0805, 1%	2
R2, R7	510	Res - SMD	SMD 0805, 1%	2
R3, R8	3K	Res - SMD	SMD 0805, 1%	2
R4, R5	10	Res - Axial	Axial - 0.4	2
R9	27/0.25W	Res - Axial	1%, Axial type	1
R10, R11	1K2	Res - SMD	SMD 0805, 1%	2
R12	39/0.25W	Res - Axial	1%, Axial type	1
R13, R14, R21, R23	1K	Res - SMD	SMD 0805, 1%	4
R15	10M	Res - SMD	SMD 0805, 1%	1
R16, R19	750	Res - SMD	SMD 0805, 1%	2
R17	100	Res - SMD	SMD 0805, 1%	1
R18	47	Res - SMD	SMD 0805, 1%	1
R20	22K	Res - SMD	SMD 0805, 1%	1
R22	330	Res - Axial	Axial - 0.4	1
T1		2 x 9V/330mA	Three-winding Transformer (Non-Ideal)	1
U1		AD8561	Fast Precision Comparator	1
Y1		11.2896 MHz	Crystal Oscillator (Philips)	1