

C1, C38	100n	Capacitor_SMD:C_0603_1608Metric	2
C2	1u	Capacitor_SMD:C_0603_1608Metric	1
C3	10n	Capacitor_SMD:C_0603_1608Metric	1
C4, C6-C10, C17-C29, C39, C53	100n	Capacitor_THT:C_Disc_D4.3mm_W1.9mm_P5.00mm	21
C5	100p	Capacitor_THT:C_Disc_D4.3mm_W1.9mm_P5.00mm	1
C11, C14	22p	Capacitor_THT:C_Disc_D4.3mm_W1.9mm_P5.00mm	2
C12	10p	Capacitor_THT:C_Disc_D4.3mm_W1.9mm_P5.00mm	1
C13, C16	47p	Capacitor_THT:C_Disc_D4.3mm_W1.9mm_P5.00mm	2
C15	220p	Capacitor_THT:C_Disc_D4.3mm_W1.9mm_P5.00mm	1
C31, C42-C52	22u	Capacitor_SMD:C_1210_3225Metric_Pad1.33x2.70mm_HandSolder	12
C32-C35	220uf	Capacitor_THT:CP_Radial_D6.3mm_P2.50mm	4
C36, C37	15p	Capacitor_THT:C_Disc_D4.3mm_W1.9mm_P5.00mm	2
C54, C55	5p/10p	Capacitor_SMD:C_1206_3216Metric_Pad1.33x1.80mm_HandSolder	2
J1	Connector_PinHeader	Connector_IDC:IDC-Header_2x03_P2.54mm_Vertical	1
J2	Connector_Coaxial	Connector_Coaxial:M55772	1
J3	Connector_PinHeader	Connector_PinHeader_2.54mm:XH2.54x03_P2.54mm_Vertical	1
J4	Connector_PinHeader	Connector_PinHeader_2.54mm:PinHeader_1x08_P2.54mm_Vertical	1
J5	Connector_PinHeader	Connector_PinHeader_2.54mm:XH2.54x04_P2.54mm_Vertical	1
J6	Connector_PinHeader	Connector_PinHeader_2.54mm:XH2.54x03_P2.54mm_Vertical	1
L1	10u	Inductor_SMD:L_1206_3216Metric_Pad1.22x1.90mm_HandSolder	1
R1, R23-R26, R30, R31	4k7	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal	7
R2-R4, R7	2k2	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal	4
R5, R6, R9, R10	100k	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal	4
R8	510	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal	1
R12, R14, R16, R20, R21	2k	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal	5
R13, R37	18k	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal	2
R11, R15, R17	10k	Resistor_THT:R_Axial_DIN0204_L3.6mymm_D1.6mm_P7.62mm_Horizontal	3
R18, R19	1k2	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal	2
R22	1M	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal	1
R27, R28, R29	1k	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal	3
R32, R36	3k3	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal	2
R33	10k	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal	1
R34	220	Resistor_THT:R_Axial_DIN0204_L3.6mm_D1.6mm_P7.62mm_Horizontal	1
R38	2k2	Resistor_SMD:R_1206_3216Metric_Pad1.30x1.75mm_HandSolder	1
RV1	2k	Potentiometer_THT:Potentiometer_Bourns_3296W_Vertical	1
U1	ATmega168PA/Atmega88PA	Package_QFP:TQFP-32_7x7mm_P0.8mm	1
U2	AD9833	Package_SO:MSOP-10_3x3mm_P0.5mm	1
U3	25Mhz	Crystal:Crystal_SMD_3225-4Pin_3.2x2.5mm	1
U4, U5, U8	LM318N	Package_DIP:DIP-8_W7.62mm_LongPads	3
U6	AD603	Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	1
U7	CD4052B	Package_DIP:DIP-16_W7.62mm_LongPads	1
U9	LM358	Package_DIP:DIP-8_W7.62mm_LongPads	1
U10, U14, U15	LM7171xIM	Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	3
U11	LM7805	Package_TO_SOT_THT:TO-220-3_Vertical	1
U12	LM7905	Package_TO_SOT_THT:TO-220-3_Vertical	1
U13	Module:AD9833	Connector_PinHeader_2.54mm:XH2.54x07_P2.54mm_Vertical	1
Y1	16Mhz	Crystal:Crystal_HC49-U_Vertical	1