

Designator	Description	Value	Valueld	Quantity
C1, C2, C4, C6, C8, C10, C11, C12, C13, C15, C17, C19, C21, C23, C26, C28, C30, C33, C35, C40, C62, C64, C65, C69, C70, C73, C74, C75, C76, C77, C78	Capacitor	0.1μ	Capacitor SMD0603 25V 0.1uF	31
C3, C7, C14, C18, C54, C55, C63, C67	Polarized Capacitor (Axial)	10μF	Capacitor Axial 25V 10uF	8
C5, C9, C16, C20, C66, C71	Capacitor	0.01μ	Capacitor SMD0603 25V 0.01uF	6
C22, C25, C27, C29, C32	Polarized Capacitor (Axial)	22μF	Capacitor Axial 25V 22uF	5
C24, C31, C36, C38, C42, C43, C46, C47, C48	Capacitor	1μF	Capacitor SMD0603 25V 1uF	9
C34, C39, C50, C59, C68, C72, C79	Polarized Capacitor (Axial)	100μF	Capacitor Axial 25V 100uF	7
C37, C41, C44, C45	Capacitor	1000p	Capacitor SMD0603 25V 1000pF	4
C49, C52, C53, C56, C57, C60	Capacitor	0.047μF	Capacitor SMD0603 25V 0.047uF	6
C51, C58	Capacitor	470pF	Capacitor SMD0603 25V 470pF	2
C61	Polarized Capacitor (Axial)	4.7μF	Capacitor Axial 25V 4.7uF	1
C80, C81	Capacitor	20p	Capacitor SMD0603 25V 20pF	2
D1, D2			SC16IS752IBS	2
D3	RS-232 Line Driver/Receiver		TRS3232ECPW	1
D4, D5			ADM2587E	2
D6	I2C Keypad Scan IC		TCA8418RTWR	1
D7	Remote 16-Bit I2C and SMBus		TCA9539PWR	1
D8	Single 150mA LDO		MIC5365	1
D9	Low-Power Audio CODEC		TLV320AIC3100IRHBR	1
D10	10 W Mono Class-D Amplifier		TPA3111D1PWPR	1
D11			TPS54383PWPR	1
D12	Real Time Clock		PCF8563	1
D13	256 kb Serial CMOS EEPROM		I2C CMOS	1
G1	2032 Battery holder		Battery holder MPD BC2032-E2	1
K1_RL1, K1_RL2, K1_RL3, K1_RL4, K1_RL5, K1_RL6, K1_RL7, K1_RL8, K1_RL9, K1_RL10	Single-Pole Single-Throw Relay		TRB1-12VDC-CD	10
L1, L2, L9, L10	Inductor	1.2mH	Inductor SDR0302-122KL 1.2mH	4
L3, L4, L7, L8, L11, L12	Inductor	400nH	Inductor BLM18KG221SN1 400 nH	6
L5, L6	Magnetic-Core Inductor	47μH, 47uH	Inductor 47uH 4A	2
R1, R2	Resistor	120	Resistor SMD0603 120 Ohm ±5%	2
R3_RL1, R3_RL2, R3_RL3, R3_RL4, R3_RL5, R3_RL6, R3_RL7, R3_RL8, R3_RL9, R3_RL10, R8, R9	Resistor	10K	Resistor SMD0603 10 kOhm ±5%	12
R4, R7, R44	Resistor	100k	Resistor SMD0603 100 kOhm ±5%	3
R5, R12, R21	Resistor	10	Resistor SMD0603 10 Ohm ±5%	3
R6	Resistor	2.2K	Resistor SMD0603 2.2 kOhm ±5%	1
R10_S1, R10_S2, R10_S3, R10_S4, R10_S5, R10_S6, R10_S7, R10_S8, R24_S1, R24_S2, R24_S3, R24_S4, R24_S5, R24_S6, R24_S7, R24_S8, R35, R36, R37, R38, R39, R40, R42	Resistor	4.7K	Resistor SMD0603 4.7 kOhm ±5%	23
R13, R43	Resistor	47K	Resistor SMD0603 47 kOhm ±5%	2
R14, R15, R18, R19	Resistor	0	Resistor 0603 Zero ohm	4
R16	Resistor	3.3K	Resistor SMD0603 3.3 kOhm ±5%	1
R17	Resistor	820	Resistor SMD0603 820 Ohm ±5%	1
R20	Resistor	4.3K	Resistor SMD0603 4.3 kOhm ±5%	1
R22_S1, R22_S2, R22_S3, R22_S4, R22_S5, R22_S6, R22_S7, R22_S8, R23_S1, R23_S2, R23_S3, R23_S4, R23_S5, R23_S6, R23_S7, R23_S8	Resistor	550	Resistor SMD0603 550 Ohm ±5%	16
R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R41	Resistor	1K	Resistor SMD0603 1 kOhm ±5%	11
S1	DIP Switch, 2 Position, SPST		2-digit DIP Switch	1
U1_S1, U1_S2, U1_S3, U1_S4, U1_S5, U1_S6, U1_S7, U1_S8	4-Pin Phototransistor Optocoupler		Оптрон HCPL-181	8
VD1, VD4_S1, VD4_S2, VD4_S3, VD4_S4, VD4_S5, VD4_S6, VD4_S7, VD4_S8, VD5, VD6, VD7	Schottky Diode		Diode BAT54S	12
VD2, VD3	Schottky Diode		Diode MBRA340	2
VD8	Schottky Diode		Diode BAT54C	1
VT1_RL1, VT1_RL2, VT1_RL3, VT1_RL4, VT1_RL5, VT1_RL6, VT1_RL7, VT1_RL8, VT1_RL9, VT1_RL10, VT2, VT3, VT5_S1, VT5_S2, VT5_S3, VT5_S4, VT5_S5, VT5_S6, VT5_S7, VT5_S8, VT6, VT7	N-Channel MOSFET		Transistor BSS138LT3G	22
X1, X2	Receptacle Assembly, 9 Position, Right Angle		DB-Rihght Angle	2
X3, X5, X20, X21_S1, X21_S2, X21_S3, X21_S4, X21_S5, X21_S6, X21_S7, X21_S8	Header, 3-Pin, Header, 3-Pin, Header, 2-Pin, Right Angle, Header, 3-Pin, Header, 3-Pin, Header, 3-Pin, Header, 3-Pin, Header, 3-Pin, Header, 3-Pin		Разъем 15EDGRC-3.5-3	11
X4, X6	Header, 4-Pin, Dual row		Разъем RJ-45 FCI 54602-908LF	2
X7	Header, 4-Pin		Разъем 15EDGRC-3.5-4	1
X8, X9	Header, 25-Pin, Dual row		Вилка PLD-50 (DS1021-2x40 исп.50 контактов)	2
X10	Header, 3-Pin, Dual row		Вилка PLD-6 (DS1021-2x40 исп.6 контактов)	1
X11	Header, 20-Pin, Dual row		Вилка IDC-40 угловая	1
X12, X14	Header, 4-Pin		Вилка PLS-4 (DS1021-1x40 исп.4 контактов)	2
X13, X15	Header, 6-Pin, Dual row		Вилка PLD-6 (DS1021-2x40 исп.12 контактов)	2
X16, X17, X19	Header, 8-Pin, Dual row		Разъем 15EDGRT-3.5-16	3
X18	Header, 10-Pin, Dual row		Разъем 15EDGRT-3.5-20	1
X22, X23			Audio jack Mono	2
Z1	Crystal Oscillator		FC-135 32.768000	1