



Comment	Description	Designator	Footprint	LibRef	Quantity
Cap	Capacitor	C1, C2, C5, C6, C7, C9, C11, C14	CAPC2012X135N	Cap	8
Cap Pol2	Polarized Capacitor (Axial)	C3, C15, C16, C17	CAPMP3528X210N	Cap Pol2_1	4
47uF	Capacitor THT Alum Elec 33uF 20% 200V	C4	CAPE5.0mm	CAPE_33u_200V_THT	1
NP0	Capacitor	C8, C10, C12, C13	CAPC2012X135N	Cap	4
100V; 1.5A	Diode SMD 100V 1.5A SMA	D1	DO-214AC	DIODE_100V_1.5A_SMA	1
DC-JACK	Tápcsatlakozó	J1	JACK	DC-JACK	1
RCA	RCA Phono Jack, Right Angle, Thru-Hole, Snap-In	J2	RCA/ 4.5-H2	RCA	1
Line out	Sztereo audio csatlakozó 3,5 mm	J3	STEREO JACK 3.5 mm	STEREO JACK	1
	LED 0805 SMD Green 12mcd 569nm	LED1, LED2	LED-0805-K	LED_SMD_Green_0805_12mcd	2
Debug/ expansion	Header, 8-Pin, Dual row	P1	HDR2X8	Header 8X2	1
MONO	Header, 2-Pin	P2	HDR1X2	Header 2	1
NPN_MMBT3904	Transistor SMD NPN 40V 0.2A 250mW SOT-23	Q1	SOT23-3	NPN_MMBT3904	1
Res2	Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31	RESC2012X70N	Res2	31
RESET	Switch, tact, 5.0mm stem	S1	TACT-SWITCH-TC-37XB	SW_THT_PB_5.0mm	1
STM32F030F4P6	ARM Cortex-M0 32-bit MCU, 16 KB Flash, 4 KB Internal RAM, 15 I/Os, 20-pin TSSOP, -40 to 85 degC, Tube	U1	STM-TSSOP20_N	STM32F030F4P6	1
LD1117S33CTR	Fixed Low Drop Positive Voltage Regulator, 3.3V, 4-Pin SOT-223, Tape and Reel	U2	SOT-223_M	LD1117S33CTR	1
MCP6002	Wide Bandwidth Dual JFET Input Operational Amplifier, 8-pin MDIP	U3	N08E	TL082CP	1
24LC1025-I/SM	1 Mbit, 400KHz, 2.5V, I2C Serial EEPROM, 8-Pin SOIC 208mil, Industrial Temperature	U4	SOIJ-SM8_M	24LC1025-I/SM	1
MC78L05ABP	Three-Terminal Low Current Positive Voltage Regulator	U5	29-04	MC78L05ABP	1
13.875 MHz	Crystal Oscillator	Y1	HC-49U	ECS-10-13-1	1