BOM

Qty	Value	Device	Package	Parts	Description
7	100k	R-EU_R0805	R0805	R3, R4, R5, R6, R9, R10, R11	RESISTOR, European symbol
15	100n	C-EUC0805	C0805	C1, C4, C5, C6, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18	CAPACITOR, European symbol
2	10k	POT_OFFBOARD	1X03	R1, R2	Potentiometer with 3 pins connector for offboard wiring
1	16MHz	CRYSTALSMD-3.2X2.5	CRYSTAL-SMD-3.2X2.5MM	Y1	Crystals (Generic)
2	1N4148	D-SOD-80	SOD80	D1, D2	DIODE
1	22n	C-EUC0805	C0805	C7	CAPACITOR, European symbol
2	22p	C-EUC0805	C0805	C2, C3	CAPACITOR, European symbol
1	24k	R-EU_R0805	R0805	R8	RESISTOR, European symbol
1	47k	R-EU_R0805	R0805	R7	RESISTOR, European symbol
20	820	4R-N0603-ARC	0603-ARC	RN1, RN2, RN3, RN4, RN5, RN6, RN7, RN8, RN9, RN10, RN11, RN12, RN13, RN14, RN15, RN16, RN17, RN18, RN19, RN20	Array Chip Resistor
1	ATMEGA328P_TQFP	ATMEGA328P_TQFP	TQFP32-08	U1	Popular 328P in QFP
1	AVRISP-6	AVRISP-6	AVRISP	ISP1	AVR ISP HEADER
7	GREEN	LED_BARGRAPH	LED_BARGRAPH	D3, D4, D5, D6, D7, D8, D9	LED bargraph, right angle soldering
1	MCP6004	QUAD_OPAMPD	SO14	IC1	OP AMP
1	PWR in (+5V)	CONN_02	1X02	J1	Generic Header 0.1 inch spaced
1	SGNL_IN	CONN_02	1X02	J2	Generic Header 0.1 inch spaced
1	RED	LED_BARGRAPH	LED_BARGRAPH	D10	LED bargraph, right angle soldering
10	SN74HC595D	74HC595D	SO16	U2, U3, U4, U5, U6, U7, U8, U9, U10, U11	8-Bit Shift Register (Serial to Parallel)