

Part N°	Q	Component	Manufacturer	Article/Model	Package	Supplier	Supplier Part N°	Manufacturer Part N°	PPU (euro)	Price (euro)	Power Consumption (W)
1	1	Microcontroller	Microchip	ATmega640V-8A	SMD	Mouser	556-ATMEGA640-16AU	ATMEGA640-16AU	9.560	9.560	0.1
2	1	Crystal Oscillator	ABRACON	16MHz	SMD	Mouser	815-ABLS7M216MHZD2YT	ABLS7M2-16.000MHZ-D2Y-T	0.326	0.326	-
3	2	Ceramic Capacitor	KYOCERA AVX	22pF	SMD	Mouser	581-08055A220FAT2A	08055A220FAT2A	0.279	0.558	-
4	8	Ultrasound Sensor	Adafruit	HC-SR04	Through hole	Digikey	1568-1421-ND	SEN-13959	3.740	29.920	0.6
5	1	Display	Nextion	NX3224T028_011R	NA	EXP TECH	NX3224T028_011R	IM150416004	26.000	26.000	0.325
6	8	RGB LED	Inolux	5mm Round LED	Through hole	Mouser	743-HV-5RGB60	HV-5RGB60	0.930	7.440	1.18
7	16	Resistor	YAGEO	100Ω	SMD	Digikey	311-100LRTR-ND	RC0402FR-07100RL	0.090	1.440	-
8	8	Resistor	YAGEO	150Ω	SMD	Mouser	603-RP0603BRD07150RL	RP0603BRD07150RL	0.363	2.904	-
9	12	Resistor	YAGEO	180Ω	SMD	Digikey	311-180LRTR-ND	RC0402FR-07180RL	0.090	1.080	-
10	12	Resistor	YAGEO	10kΩ	SMD	Digikey	311-10.0KLRTR-ND	RC0402FR-0710KL	0.090	1.080	-
11	12	MOSFET	Diodes Incorporated	DMG1012UW-7	SMD	Mouser	621-DMG1012UW-7	DMG1012UW-7	0.307	3.684	-
12	12	Diode	Diotec	1N5400	Through hole	Mouser	637-1N5400	1N5400	0.725	8.700	-
13	1	ON/OFF Switch	E-Switch	RR511D1121	Snap in	Digikey	EG4777-ND	RR511D1121	1.060	1.060	-
14	1	DC/DC Converter	Artesyn Embedded Technologies	ATA02A18-L	Through hole	Mouser	826-ATA02F18-L	ATA02F18-L	28.890	28.890	2.68
15	1	Power Supply	Mean Well	IRM-60-12	Through hole	Mouser	709-IRM60-12	IRM-60-12	15.300	15.300	40.09
16	1	Power Entry Plug	Schurter	C14 15A	Snap in	Mouser	693-3-130-966	3-130-966	8.320	8.320	-
17	16	Connector	Molex	Picoblade header 7 Pins	SMD	Mouser	538-53261-0771	53261-0771	0.735	11.760	-
18	12	Terminal Block	CUI Devices	2 Poles, Green	Through hole	Mouser	179-TB0010-500-02GR	TB0010-500-02GR	0.791	9.492	-
19	8	Cable for PCB connections	Molex	300mm Cable, 7 Pin	NA	Mouser	538-15134-0703	15134-0703	5.120	40.960	-