

Component	Schematic Name	Price (euros)
Transformator	T1	3,68
Graetz Bridge	Bridge	0,488
Condensator	C2 - 1500uF	2,358
Condensator	C1 - 0603-100nF	0,013
Condensator	C3 - 0603-100nF	0,013
Condensator	C4 - 100uF(1003)	1,143
Potentiometer	Rp	1,61
Resistor	R1-0402-6k8	0,02
Resistor	R2-0805-1k	0,033
Resistor	R3-0402-220	0,39
Resistor	Rd-0402-220	0,39
Resistor	R4-0402-2k7	0,02
Resistor	R5-0402-2k7	0,02
Transistor	Q2-PNP-BC857A	0,023
Transistor	Q1-NPN-2N3904	0,087
Diode	D1-BAT60JFILM	0,087
LED	LED1-Green	0,167
Push-Button	S1	2,64
TIMER	TIMER-NE555	0,811
Relay	RL1-OMRONG5CA	3,68
Connector	IN-IEC	0,76
Connector	OUT-IEC	0,76
Regulator	5v-REG-L7805	0,499

Components total price (euros) : 19,692

	Man-hours	Price/h	Total
Top box design	30	10	300
Bottom box design	35	10	350
Electronical simulation and design	20	10	200
PCB Design	40	10	400
Man-hours total price(euros) :			1250

Price of development : 1269,692

Manufacturer reference	Rs reference	Manufacturer
VB 1,0/1/9	732-0317	Block
GBU4A	806-7124	Fairchild
EEU FK1V152L	572-148	Panasonic
CGA3E2X7R1H104K080AA	788-2985	TDK
CGA3E2X7R1H104K080AA	788-2985	TDK
T495D107K016ATE125	648-0351	Kemet
PTV09A-4020F-A504	737-7811	Bourns
CRCW04026K80FKEDHP	812-1708	Vishay
CRCW08051K00FKEA	679-0982	Vishay
ERA2AEB221X	566-664	Panasonic
ERA2AEB221X	566-664	Panasonic
CRCW04022K70FKEDHP	812-1647	Vishay
CRCW04022K70FKEDHP	812-1647	Vishay
BC857A-7-F	751-3528	DiodesZetex
MMBT3904LT1G	545-0343	ON Semiconductor
BAT60JFILM	714-6879	STMicroelectronics
LTST-C170GKT	692-0900	Lite-On
	820-7606	RS
LM555CM/NOPB	460-516	Texas Instruments
G5CA-1A-E DC5	508-2502	Omron
	4.300 498-2861	Schurter
	4.300 498-2862	Schurter
L7805ACD2T-TR	686-9530	STMicroelectronics