#	Qty	Part name	Package	Reference designator	Farnell / Element14 Code	Farnell / Element14 Part Number	Farnell / Element14 Unit price €	MOQ	Digi-Key Part Number	Digi-Key Unit price €	MOQ	Mouser Part Number	Mouser Unit price €	MOQ
1	6	100n	0603	C1, C4, C6, C7, C12, C13	2522597	C0603C104K4RAC7081	0,011	10	490-4774-1-ND	0,029	100	80-C0603C104M4R	0,007	100
2	1	10n	0805	C11	2896555	VJ0805Y103JXXPW1BC	0,065	10	490-7194-1-ND	0,017	10	710-885012207122	0,036	10
3	1	100p	C0G, 0805	C14	2896861	C0805C101JAGACTU	0,023	10	399-15000-1-ND	0,019	10	80-C0805C101K5G	0,032	10
4	4	2u2	0805	C2, C5, C9, C10	1828829	GRM21BR71C225KA12L	0,198	5	1276-2954-1-ND	0,085	10	80-C0805C225M4RECLR	0,078	10
5	1	EEEFK1V470P		C3	9695850	EEEFK1V470P	0,344	1	PCE3842CT-ND	0,312	10	667-EEE-FK1V470P	0,238	10
6	1	BAS316	SOD-323	D1	8734275	BAS316,115	0,193	5	1727-7370-1-ND	0,120	1	771-BAS316-T/R	0,179	1
7	1	STM32F030C6T6	LQFP-48	IC1	2393632	STM32F030C6T6	1,350	1	STM32F030C6T6TR	1,360	1	511-STM32F030C6T6	1,360	1
		Option: STM32F031C4T6			2849912	STM32F031C4T6	2,510	1	497-13617-ND	2,200		STM32F031C4T6	2,110	1
8	1	74HC1G126GW.125	TSSOP-5	IC2	-				1727-6037-1-ND	0,360	1	771-HC1G126GW125	0,369	1
9	1	M24C32-WMN6P	SOIC-8	IC3	1224413	M24C32-WMN6P	0,212	5	-			511-M24C32-WMN6P	0,210	1
10	1	LP2985-33DBVR	SOT-23-5	IC4	1053660	LP2985A-33DBVTE4 .	0,610	1	296-18476-1-ND	0,540	1	595-LP2985-33DBVR	0,507	1
11	1	MCP6001T-I/OT or TLV9001IDBVR	SOT-23-5	IC5	4974992	MCP6001T-I/OT	0,219	1	MCP6001T-I/OTCT-ND	0,200	1	579-MCP6001T-E/OT	0,203	1
12	1	LM335AZ	**THT**; TO-92	IC6	1564358	LM335AZ	1,780	1	LM335AZNS/NOPB-ND	1,760	1	926-LM335AZ/NOPB	1,740	1
13	2	ULN2803ADWR	SOIC-18	IC7, IC8	3125103	ULN2803ADWR	1,120	5	296-15777-1-ND	1,090	1	595-ULN2803ADWR	1,090	1
14	17	HE722A0500	**THT**; reed relay	K1, K2, K3, K4, K5, K6, K7, K8, K9, K10, K11, K12, K13, K14, K15, K16, K17	-				HE722A0500	4,323	10	934-HE722A0500	4,300	10
15	1	2N7002	SOT-23	Q1	1713825	2N7002K-7	0,148	5	T2N7002AKLMCT-ND	0,126	10	757-T2N7002AKLM	0,113	10
16	3	10K	0805	R1, R4, R5	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10
17	1	1K5	0805	R3	2447592	MCWR08X1501FTL	0,009	10	A129751CT-ND	0,041	10	279-CRGCQ0805F1K5	0,041	10
18	1	40K2	0805	R6	2447658	MCWR08X4022FTL	0,009	10	541-40.2KCCT-ND	0,055	10	791-WR08X4022FTL	0,035	10
19	1	100K	0805	R7	2447551	MCWR08X1003FTL	0,010	10	RMCF0805FT100KCT-ND	0,024	10	71-CRCW0805100KFKEAC	0,040	10
20	1	DR1206-33R-4/8	1206 resistor array	RN1	1770128	CAY16-330J4LF	0,069	10	CAY16-330J4LFCT-ND	0,090	1	652-CAY16-330J4LF	0,085	1
21	1	DR1206-10K-4/8	1206 resistor array	RN2	1770137	CAY16-103J4LF	0,031	10	CAY16-103J4LFCT-ND	0,058	10	652-CAY16-103J4LF	0,021	10

#	Qty	Part name	RS Components Code	Part Number	Unit price €	MOQ	TME Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
1	6	100n	393-6952	VJ0603Y104KXJAT	0,069	25	CL10B104KA8NNNC	0,098	100		6	Mouser	0,007 €	6	0,042
2	1	10n	464-6672	08055C103KAT2A	0,026	50	CC0805KRX7R9103	0,027	100		1	Digikey	0,017 €	1	0,017
3	1	100p	461-3997	CC0805JRNP09BN101	0,030	50	CL21C101JBANNNC	0,026	100		1	Digikey	0,019 €	1	0,019
4	4	2u2	766-1031	CL21B225KAFNNNF	0,069	100	CL21B225KOFNNNG	0,071	100		4	RS	0,069 €	4	0,276
5	1	EEEFK1V470P	537-0657	EEEFK1V470P	0,394	5	EEEFK1V470P	0,130	5		1	TME	0,130 €	1	0,130
6	1	BAS316	397-2914	BAS316,115	0,122	50	BAS316,115	0,026	25		1	TME	0,026 €	1	0,026
7	1	STM32F030C6T6	192-0993	STM32F030C6T6TR	0,972	5	STM32F030C6T6	0,940	4		1	TME	0,940 €	1	0,940
		Option: STM32F031C4T6	192-1080	STM32F031C4T6	2,152	5	STM32F031C4T6	2,050	1						
8	1	74HC1G126GW.125	813-9282	74HC1G126GW,125	0,024	100	74HC1G126GW.125	0,062	10		1	RS	0,024 €	1	0,024
9	1	M24C32-WMN6P	686-2453	M24C32-WMN6P	0,180	25	M24C32-WMN6P	0,165	3		1	TME	0,165 €	1	0,165
10	1	LP2985-33DBVR	660-6733	LP2985-33DBVT	0,737	1	LP2985-33DBVR	0,362	1		1	TME	0,362 €	1	0,362
11	1	MCP6001T-I/OT or TLV9001IDBVR	698-9041	MCP6001T-I/OT	0,230	1	MCP6001T-I/OT	0,254	3		1	Digikey	0,200 €	1	0,200
12	1	LM335AZ		LM335AZ	1,188	1	LM335AZ	0,850	1	1		TME	0,850 €	1	0,850
13	2	ULN2803ADWR	646-6311	ULN2803ADW	1,336	5	ULN2803ADWR	0,874	1		2	TME	0,874 €	2	1,748
14	17	HE722A0500	-				-			17		Mouser	4,300 €	17	73,100
15	1	2N7002	671-0312	2N7002	1,250	20	2N7002LT1G	0,019	25		1	TME	0,019 €	1	0,019
16	3	10K	125-1189	CRG0805F10K	0,002	100	RC0805FR-0710K	0,022	100		3	RS	0,002 €	3	0,006
17	1	1K5	223-0449	CRG0805F1K5	0,027	50	805S8F1501T5E	0,014	100		1	Farnell	0,009 €	1	0,009
18	1	40K2	679-1395	CRCW080540K2FKEA	0,004	50	0805S8F4022T5E	0,014	100		1	RS	0,004 €	1	0,004
19	1	100K	223-0691	CRG0805F100K	0,028	50	0805S8F1003T5E	0,015	100		1	Farnell	0,010 €	1	0,010
20	1	DR1206-33R-4/8	522-5670	CAY16-330J4LF	0,004	50	4D03WGJ0330T	0,009	100		1	RS	0,004 €	1	0,004
21	1	DR1206-10K-4/8	522-5585	CAY16-103J4LF	0,012	50	4D03WGJ0103T	0,011	100		1	TME	0,011 €	1	0,011

#	Qty	Part name	Package	Reference designator	Farnell / Element14 Code	Part Number	Unit price €	MOQ	Digi-Key Part Number	Unit price €	MOQ	Mouser Part Number	Unit price €	MOQ
22	1	77317-104-28LF	**THT**, 28-pin 0.1" header right angled	X2	-				S2111EC-14-ND	1,030	1	649-77317-104-28LF	1,540	1
23	2	DS1014-10RF1B	**THT**, 10-pin 2mm IDC, right angle	X3, X4	-				2BHR-10-HUA	0,650	1	-		
24	2	691327310016	**THT**, 16-pin 3.81mm terminal block header, male pins	X5, X6	1793077	MCD 1,5/ 8-G1-3,81	5,770	1	732-691327310016-ND	7,810	1	651-1843130	9,270	1
25	3	MM3Z18VT1G	SOD-323	ZD1, ZD2, ZD3	1431193	MM3Z18VT1G	0,109	10	MM3Z18VT1GO SCT-ND	0,103	10	863-MM3Z18VT1G	0,108	10

Not installed

	1	N.C.		X1										

Related parts and accessories

	Qty	Part name	Package	Reference designator	Code									
	2	PMB-1	PCB bracket; polyamide	KK1, KK2	-				-			-		
	2	M3X4/D7985	Screw; M3x4; **cheese head**; Phillips	Module's studs mounting (bottom), AC/DC mounting frame (top), 3 x AC/DC modules mounting										
	2	M3X5/D965B	Screw; M3x5; **countersunk**; Phillips; black finish	Module's studs mounting (top), front and rear panel fixing, modules mounting on the front panel										

Custom made components

	Qty	Part name		Reference designator										
	1	PCB 2-layer 131 x 95 mm		-										

All prices are net prices (without VAT)

Please note that BOM does not contain ordering number for parts on reels or that which includes re-reeling fee (e.g. Farnell). Take also into account that total cost is higher because min. quantity (MOQ) for many parts is larger then what is needed for single unit.

All resistors are 1% 0805 and all capacitors are X7R 0805 if not otherwise specified.

#	Qty	RS Components Part name	Code	Part Number	Unit price €	MOQ	TME Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
22	1	77317-104-28LF	-				-			1		Digikey	1,030 €	1	1,030
23	2	DS1014-10RF1B	-				DS1014-10RF1B	0,220	3	2		TME	0,220 €	2	0,440
24	2	691327310016	191-1724	691327310016	7,900	1	-			2		Farnell	5,770 €	2	11,540
25	3	MM3Z18VT1G	802-4574	MM3Z18VT1G	0,038	200	MM3Z18VT1G	0,025	25		3	TME	0,025 €	3	0,076
										23	**33**				**91,05 €**

		Not installed													
	1	N.C.								1		Farnell	0,000 €	1	0,000

		Related parts and access													
	2	PMB-1	-				PMB-1	0,072	10			TME	0,072 €	2	0,145
	2	M3X4/D7985					M3X4/D7985	0,012	100			TME	0,012 €	2	0,023
	2	M3X5/D965B					M3X5/D965B	0,012	100			TME	0,012 €	2	0,025
															0,19 €

		Custom made componer													
	1	PCB 2-layer 131 x 95 mm										JLCPCB	4,218 €	1	4,218
															4,22 €

					Total	**95,46 €**