

#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Mouser	Total	Code	Farnell	
								Unit price			Unit price	Total
1	1	2x3-pin socket	THT	MCU-ICSP	Arduino Shield	1	571-5-146254-3	0,432	0,432	7991983	0,605	£0.61
2	3	100n	1206	C1, C2, C3	Power board	6	77-VJ1206Y104JXBTBC	0,091	0,546	2497072	0,035	£0.21
3	19	100n	0603	C11, C26, C30, C37, C42, C54, C55, C56, C60, C61, C62, C65, C69, C70, C73, C75, C79, C82, C83	Power board	38						
	1	100n	0603	C91	AUX PS	1						
	27	100n	0603	C113, C114, C115, C116, C117, C118, C121, C122, C123, C124, C126, C128, C129, C136, C137, C138, C139, C140, C141, C142, C143, C147, C149, C150, C151, C153, C156	Arduino Shield	27						
						66	81-GCM188R72A104KA4D	0,086	5,676	2496832	0,006	£0.38
4	1	100u	SMD; Ø6.3 x 7.7mm	C97	AUX PS	1	667-EEE-FPV101XAP	0,805	0,805	1539501	0,305	£0.31
5	8	10n	0805	C105, C108, C110, C112, C133, C146, C154, C155	Arduino Shield	8						
	6	10n	0805	C34, C45, C53, C58, C80, C84	Power board	12						
						20	710-885012207092	0,064	1,280	1759246	0,011	£0.23
6	2	10u	1210, 50V, X7R	C107, C125	Arduino Shield	2						
	3	10u	1210, 50V, X7R	C12, C20, C66	Power board	6						
						8	81-GRM32ER71H106KA2L	0,661	5,288	2362133	0,995	£7.96
7	1	10u	SMD; Ø5 x 5.8mm	C120	Arduino Shield	1	667-EEE-FK1V100R	0,434	0,434	1850112	0,206	£0.21
8	1	10u	1206, Tantalum	C144	Arduino Shield	1						
	1	10u	1206, Tantalum	C67	Power board	2						
						3	80-T491A106K010	0,344	1,032	1457413	0,177	£0.53
9	2	120p	0805	C21, C50	Power board	4	80-C0805C121J5G	0,091	0,364	1414667	0,030	£0.12
10	1	180p	0805	C96	AUX PS	1	77-VJ0805A181JXAPBC	0,100	0,100	1759207	0,051	£0.05
11	2	18p	0805	C131, C135	Arduino Shield	2	581-08051U150FAT2A	0,366	0,732	2320820	0,038	£0.08
12	6	1n	0805	C41, C47, C51, C63, C64	Power board	12						
	1	1n	0805	C94	AUX PS	1						
						13	77-VJ0805Y102KXACBC	0,091	1,183	2407340	0,035	£0.46
13	4	1u	1206, 100V	C10, C28, C31, C44	Power board	8	581-12061C105KAT2A	0,421	3,368	2320876	0,277	£2.22
14	7	1u	0805, 50V	C13, C57, C59, C68, C74, C76	Power board	14	80-C0805C105K5R	0,142	1,988	2118131	0,169	£2.37
15	1	22n	0805	C130	Arduino Shield	1						
	1	22n	0805	C29	Power board	2						
	2	22n	0805	C87, C90	AUX PS	2						
						5	710-885012207094	0,073	0,365	1759252	0,021	£0.10
16	3	2n2	0805	C48, C49, C81	Power board	6	710-885012207088	0,073	0,438	1759235	0,023	£0.14
17	3	2u2	0805	C24, C36, C38	Power board	6	963-TMK212B7225KG-TR	0,308	1,848	2320829	0,153	£0.92
18	2	330p	0805	C17, C33	Power board	4						
	1	330p	0805	C89	AUX PS	1						
						5	710-885012207083	0,073	0,365	1759212	0,030	£0.15
19	5	3n3	0805	C40, C71, C72, C77, C78	Power board	10	81-GRM216R71H332JA	0,036	0,360	1759291	0,012	£0.12

GBP/EUR ratio: 1,19457

												TME	Unit price	Total	Combined	THT	SMD
#	Qty	Part name	Package	Reference designator	Board name	Qty	Code										
1	1	2x3-pin socket	THT	MCU-ICSP	Arduino Shield	1	ZL262-6DG		0,071	0,07 €			0,071 €			1	
2	3	100n	1206	C1, C2, C3	Power board	6	C1206C104K5RAC		0,013	0,08 €			0,080 €				6
3	19	100n	0603	C11, C26, C30, C37, C42, C54, C55, C56, C60, C61, C62, C65, C69, C70, C73, C75, C79, C82, C83	Power board	38											
	1	100n	0603	C91	AUX PS	1											
	27	100n	0603	C113, C114, C115, C116, C117, C118, C121, C122, C123, C124, C126, C128, C129, C136, C137, C138, C139, C140, C141, C142, C143, C147, C149, C150, C151, C153, C156	Arduino Shield	27											
						66	CL10B104KO8NNNC		0,004	0,29 €			0,290 €				66
4	1	100u	SMD; Ø6.3 x 7.7mm	C97	AUX PS	1	EEFPPV101XAP		0,340	0,34 €			0,340 €				1
5	8	10n	0805	C105, C108, C110, C112, C133, C146, C154, C155	Arduino Shield	8											
	6	10n	0805	C34, C45, C53, C58, C80, C84	Power board	12											
						20	CL31B103KBCNNNC		0,012	0,24 €			0,241 €				20
6	2	10u	1210, 50V, X7R	C107, C125	Arduino Shield	2											
	3	10u	1210, 50V, X7R	C12, C20, C66	Power board	6											
						8	CL32B106KBJNNNE		0,203	1,62 €			1,624 €				8
7	1	10u	SMD; Ø5 x 5.8mm	C120	Arduino Shield	1	EEEFK1V100R		0,200	0,20 €			0,200 €				1
8	1	10u	1206, Tantalum	C144	Arduino Shield	1											
	1	10u	1206, Tantalum	C67	Power board	2											
						3	T491A106K010AT		0,085	0,26 €			0,255 €				3
9	2	120p	0805	C21, C50	Power board	4	CL21C121JBANNNP		0,007	0,03 €			0,027 €				4
10	1	180p	0805	C96	AUX PS	1	CL10C181JB8NNNC		0,006	0,01 €			0,006 €				1
11	2	18p	0805	C131, C135	Arduino Shield	2	CL21C180JBANNNC		0,010	0,02 €			0,019 €				2
12	6	1n	0805	C41, C47, C51, C63, C64	Power board	12											
	1	1n	0805	C94	AUX PS	1											
						13	CL21B102KCANNNC		0,006	0,08 €			0,084 €				13
13	4	1u	1206, 100V	C10, C28, C31, C44	Power board	8	GRM31CR72A105KA01 L		0,128	1,02 €			1,022 €				8
14	7	1u	0805, 50V	C13, C57, C59, C68, C74, C76	Power board	14	CL21B105KBFNNNG		0,014	0,20 €			0,200 €				14
15	1	22n	0805	C130	Arduino Shield	1											
	1	22n	0805	C29	Power board	2											
	2	22n	0805	C87, C90	AUX PS	2											
						5	CL21B223KBANNNC		0,008	0,04 €			0,042 €				5
16	3	2n2	0805	C48, C49, C81	Power board	6	CL21B222KBANNNND		0,006	0,04 €			0,037 €				6
17	3	2u2	0805	C24, C36, C38	Power board	6	CL21B225KAFNNNG		0,027	0,16 €			0,165 €				6
18	2	330p	0805	C17, C33	Power board	4											
	1	330p	0805	C89	AUX PS	1											
						5	CL21C331JBANNNC		0,014	0,07 €			0,069 €				5
19	5	3n3	0805	C40, C71, C72, C77, C78	Power board	10	CL21B332KBANNNC		0,007	0,07 €			0,069 €				10

EEZ PSU H24005 BOM (r5B9, 2016-09-06)
Project source code at <https://github.com/eez-open>

#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Mouser	Unit price	Total	Code	Farnell	Unit price	Total
20	1	3n9	0805	C95	AUX PS	1	81-GRM40X392K50D		0,100	0,100	1759240		0,030	£0.03
21	3	470n	0805, 50V	C9, C25, C32	Power board	6								
	2	470n	0805, 50V	C104, C109	Arduino Shield	2								
						8	581-08055C474KAT2A		0,192	1,536	2470492		0,043	£0.34
22	1	470p	0805	C23	Power board	2	710-885012207084		0,192	0,384	1759216		0,014	£0.03
23	2	47n	0805	C148, C152	Arduino Shield	2								
	1	47n	0805	C98	AUX PS	1								
						3	77-VJ0805Y472KXAMC		0,091	0,273	2496983		0,011	£0.03
24	1	47n/400V	THT	C86	AUX PS	1	594-2222-367-56473		1,560	1,560	2468839		0,630	£0.63
25	2	47p	0805	C46, C52	Power board	4	80-C0805C470J5G		0,091	0,364	1414692		0,015	£0.06
26	1	47u	SMD, Ø6.3 x 5.8mm	C119	Arduino Shield	1								
	2	47u	SMD, Ø6.3 x 5.8mm	C27, C35	Power board	4								
						5	667-EEE-FK1V470P		0,443	2,215	9695850		0,247	£1.24
27	1	4n7	0805	C22	Power board	2	80-C0805C472K5R		0,091	0,182	1414696		0,015	£0.03
28	1	4u7	1206, Tantalum	C145	Arduino Shield	1								
	1	4u7	1206, Tantalum	C43	Power board	2								
						3	80-T491A475K016		0,317	0,951	1457428		0,162	£0.49
29	3	4u7	1210, 100V, X7R	C6, C7, C8	Power board	6	810-CGA6M3X7S2A475K		1,360	8,160	2211140		1,270	£7.62
30	3	4u7	1210, 25V	C88, C92, C93	AUX PS	3	810-C3225X7R1E475K		0,389	1,167	1907365		0,330	£0.99
31	2	6n8	0603	C132, C134	Arduino Shield	2	710-885012206088		0,037	0,074	1759100		0,009	£0.02
32	1	6n8 (X1)	THT	C85	AUX PS	1	80-R413F16804000M		0,525	0,525	2478385		0,354	£0.35
33	1	EECS5R5H105	THT	C127	Arduino Shield	1	667-EEC-S5R5H105		3,510	3,510	9697497		2,780	£2.78
34	1	EEEFK1J101P	SMD; Ø10 x 10.2mm	C18	Power board	2	667-EEE-TG1J101UP		1,200	2,400	9696040		0,481	£0.96
35	1	EEEFK1J470P	SMD; Ø8x10.2mm	C16	Power board	2	667-EEE-FK1J470P		0,887	1,774	9696032		0,603	£1.21
36	2	UPW1J150MED	SMD; Ø6.3x5.8mm	C106, C111	Arduino Shield	2	647-UPW1J150MED		0,338	0,676	2326151		0,222	£0.44
37	1	BAS316	SOD-323	D21	AUX PS	1								
	5	BAS316	SOD-323	D22, D23, D24, D26, D27	Arduino Shield	5								
	9	BAS316	SOD-323	D6, D11, D12, D13, D14, D15, D16, D17, D18	Power board	18								
						24	771-BAS316135		0,252	6,048	8734275		0,140	£3.36
38	1	BAT54S	BAT54S	D28	Arduino Shield	1	511-BAT54SFILMY		0,416	0,416	1621835		0,086	£0.09
39	1	DFLS1100-7	SOD-323	D19	AUX PS	1								
	2	DFLS1100-7	SOD-323	D7, D10	Power board	4								
						5	621-DFLS1100-7		0,476	2,380	1713889		0,657	£3.29
40	1	SKL16	SOD-323	D20	AUX PS	1								
	1	SKL16	SOD-323	D29	Arduino Shield	1								
	2	SKL16	SOD-323	D8, D9	Power board	4								
						6	771-PMEG4005AEAT/R		0,520	3,120	8738025		0,146	£0.88
41	1	SMBJ5.0A-TR	DO-214AA	D26	Arduino Shield	1	511-SMBJ5.0A		0,362	0,362	9886311		0,086	£0.09
42	1	STPS15H100	TO-252	D5	Power board	2	511-STPS15H100CB		0,896	1,792	2344052		0,549	£1.10
43	3	60R@100MHz	0603	FB1, FB2, FB3	Power board	6								
	1	60R@100MHz	0603	FB4	AUX PS	1								
	1	60R@100MHz	0603	FB7	Arduino Shield	1								
						8	710-742792602		0,160	1,280	1635704		0,171	£1.37

#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	TME		Combined	THT	SMD
								Unit price	Total			
20	1	3n9	0805	C95	AUX PS	1	CL21B392KBANNNC	0,009	0,01 €	0,009 €		1
21	3	470n	0805, 50V	C9, C25, C32	Power board	6						
	2	470n	0805, 50V	C104, C109	Arduino Shield	2						
						8	CL21B474KBFNNNG	0,015	0,12 €	0,122 €		8
22	1	470p	0805	C23	Power board	2	CL21B471KBANNNC	0,007	0,01 €	0,014 €		2
23	2	47n	0805	C148, C152	Arduino Shield	2						
	1	47n	0805	C98	AUX PS	1						
						3	CC0805KRX7R9473	0,008	0,02 €	0,025 €		3
24	1	47n/400V	THT	C86	AUX PS	1	-			0,753 €	1	
25	2	47p	0805	C46, C52	Power board	4	CC0805JRNPO9470	0,007	0,03 €	0,030 €		4
26	1	47u	SMD, Ø6.3 x 5.8mm	C119	Arduino Shield	1						
	2	47u	SMD, Ø6.3 x 5.8mm	C27, C35	Power board	4						
						5	EEEFK1V470P	0,153	0,76 €	0,764 €		5
27	1	4n7	0805	C22	Power board	2	CL21B472KBANNNC	0,006	0,01 €	0,011 €		2
28	1	4u7	1206, Tantalum	C145	Arduino Shield	1						
	1	4u7	1206, Tantalum	C43	Power board	2						
						3	T491A475K006AT	0,075	0,23 €	0,226 €		3
29	3	4u7	1210, 100V, X7R	C6, C7, C8	Power board	6	-			9,103 €		6
30	3	4u7	1210, 25V	C88, C92, C93	AUX PS	3	CL32A475KAULNNE	0,116	0,35 €	0,348 €		3
31	2	6n8	0603	C132, C134	Arduino Shield	2	CL10B682JB8NNNC	0,004	0,01 €	0,008 €		2
32	1	6n8 (X1)	THT	C85	AUX PS	1	MKP-Y2-6N8	0,158	0,16 €	0,158 €	1	
33	1	EECS5R5H105	THT	C127	Arduino Shield	1	EECS5R5H105	2,190	2,19 €	2,190 €	1	
34	1	EEEFK1J101P	SMD; Ø10 x 10.2mm	C18	Power board	2	EEEFK1J101P	0,370	0,74 €	0,740 €		2
35	1	EEEFK1J470P	SMD; Ø8x10.2mm	C16	Power board	2	EEEFK1J470P	0,443	0,89 €	0,885 €		2
36	2	UPW1J150MED	SMD; Ø6.3x5.8mm	C106, C111	Arduino Shield	2	UWT1H220MCL6GS	0,088	0,18 €	0,176 €		2
37	1	BAS316	SOD-323	D21	AUX PS	1						
	5	BAS316	SOD-323	D22, D23, D24, D26, D27	Arduino Shield	5						
	9	BAS316	SOD-323	D6, D11, D12, D13, D14, D15, D16, D17, D18	Power board	18						
						24	BAS316	0,019	0,44 €	0,444 €		24
38	1	BAT54S	BAT54S	D28	Arduino Shield	1	BAT54S.215	0,017	0,02 €	0,017 €		1
39	1	DFLS1100-7	SOD-323	D19	AUX PS	1						
	2	DFLS1100-7	SOD-323	D7, D10	Power board	4						
						5	-			3,924 €		5
40	1	SKL16	SOD-323	D20	AUX PS	1						
	1	SKL16	SOD-323	D29	Arduino Shield	1						
	2	SKL16	SOD-323	D8, D9	Power board	4						
						6	SKL16	0,019	0,11 €	0,111 €		6
41	1	SMBJ5.0A-TR	DO-214AA	D26	Arduino Shield	1	SMBJ5.0A-TR	0,094	0,09 €	0,094 €		1
42	1	STPS15H100	TO-252	D5	Power board	2	-			1,312 €		2
43	3	60R@100MHz	0603	FB1, FB2, FB3	Power board	6						
	1	60R@100MHz	0603	FB4	AUX PS	1						
	1	60R@100MHz	0603	FB7	Arduino Shield	1						
						8	LCBA-600	0,027	0,22 €	0,215 €		8

EEZ PSU H24005 BOM (r5B9, 2016-09-06)
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#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Mouser	Total	Code	Farnell	Total
								Unit price			Unit price	
44	1	LTC3864EMSE#PBF	MSOP-12	IC1	Power board	2				2293128	3,380	£6.76
45	1	REF5025AIDG4	SOIC-8	IC10	Power board	2	595-REF5025AIDG4	3,560	7,120	1439622	2,400	£4.80
46	1	DAC8552IDGKTG4	SOP-8	IC11	Power board	2	595-DAC8552IDGKR	6,510	13,020	1329584	5,950	£11.90
47	1	ADG465SOT-23	SOT-23	IC12	Power board	2				2376952	1,330	£2.66
48	1	TS5A9411DCKT	SC-70	IC13	Power board	2	595-TS5A9411DCKR	0,534	1,068	1755582	0,765	£1.53
49	1	ADS1120IPWR	TSSOP-16	IC14	Power board	2	595-ADS1120IPWR	6,100	12,200	2402249	6,430	£12.86
50	1	LP339D	SOIC-14	IC15	Power board	2	595-LP339DR	0,498	0,996	9589686	0,357	£0.71
51	1	LM25575MH/NOPB	HTSSOP-16	IC16	AUX PS	1	926-LM25575MHX/NOPB	3,450	3,450	1564783	3,220	£3.22
52	1	MC79L05	SOIC-8	IC2	Power board	2	595-MC79L12ACD	0,371	0,742	2323583	0,249	£0.50
53	1	TLC5925IDBQR	SSOP-24	IC20	Arduino Shield	1	595-TLC5925IDBQR	1,330	1,330	1694438	1,010	£1.01
54	2	SI8641EC-B-IS1	SOIC-16	IC21, IC24	Arduino Shield	2	634-SI8641EC-B-IS1	2,720	5,440	2423294	2,870	£5.74
55	2	SI8651EC-B-IS1	SOIC-16	IC22, IC23	Arduino Shield	2	634-SI8651EC-B-IS1	3,060	6,120	2423323	2,220	£4.44
56	1	LD1117ADT33TR	TO-252	IC24	Arduino Shield	1	511-LD1117ADT33-TR	0,570	0,570	1087169	0,259	£0.26
57	1	PCA21125T/Q900/1,1	TSSOP-14	IC26	Arduino Shield	1	771-PCA21125TQ9001	1,660	1,660	2400445	1,380	£1.38
58	1	AT25256B	SOIC-8	IC27	Arduino Shield	1	556-AT25256B-SSHL-T	1,290	1,290	1841577	0,905	£0.91
59	1	W5500	LQFP-48	IC28	Arduino Shield	1	950-W5500	2,390	2,390	-		
60	1	MC78L05	SOIC-8	IC3	Power board	2	512-MC78L05ACDX	0,366	0,732	9593845	0,357	£0.71
61	1	BC857BS	SOT-363	IC29	Arduino Shield	1	771-BC857BS-T/R	0,330	0,330	1653608	0,108	£0.11
62	1	TLC555	SOIC-8	IC30	Arduino Shield	1	595-TLC555CDR	0,624	0,624	9589880	0,240	£0.24
63	1	SN74LVC2G08DCTR	SSOP-8	IC31	Arduino Shield	1	595-SN74LVC2G08DCTR	0,516	0,516	1470871	0,314	£0.31
64	1	TPS3705-33D	SOIC-8	IC32	Arduino Shield	1	TPS3705-33D	1,840	1,840	2296066	0,812	£0.81
65	1	SN74LV1T34DBVR	SOT-23	IC33	Arduino Shield	1	595-SN74LV1T34DBVR	0,398	0,398	2499914	0,334	£0.33
66	1	SN74LVC2G02DCTR	SSOP-8	IC34	Arduino Shield	1	595-SN74LVC2G02DCTR	0,570	0,570	1236358	0,360	£0.36
67	1	LM5574	TSSOP-16	IC4	Power board	2	926-LM5574MTX/NOPB	3,340	6,680	2323534	2,880	£5.76
68	1	LP2951SO8	SOIC-8	IC5	Power board	2	595-LP2951DR	0,498	0,996	1755066	0,579	£1.16
69	2	TL072D	SOIC-8	IC6, IC7	Power board	4	511-TL072CDT	0,416	1,664	1467663	0,113	£0.45
70	1	OP27GSZ	SOIC-8	IC8	Power board	2	584-OP27GSZ-R7	3,080	6,160	9426124	2,020	£4.04
71	1	MCP23S08-E/SO	SOIC-18	IC9	Power board	2	579-MCP23S08-E/SO	1,030	2,060	1332092	0,866	£1.73
72	2	RT424005	THT	K_PAR, K_SER	Arduino Shield	2	655-RT424005	4,140	8,280	9950168	2,430	£4.86
73	2	G6K-2F-5DC	SMD, relay	K_S1, K_S2	Arduino Shield	2	653-G6K-2F-DC5	4,000	8,000	4446185	2,810	£5.62
74	1	SK 145/37,5	THT	KK1	AUX PS	1				4621414	1,600	£1.60
75	1	RN114-4/02	THT, solder on bottom layer!	L1	Power board	2	631-RN114-4/02	2,600	5,200	1191484	2,180	£4.36
76	1	470u	SMD; 7.3mm x 7.3mm	L10	AUX PS	1	652-SRR0745A-471M	0,841	0,841	2455059	0,706	£0.71
77	1	7443551331	SMD; 13.2mm x 12.8mm	L2	Power board	2	710-7443551331	2,970	5,940	2211631	2,560	£5.12
78	2	IHLP2020CZER3R3M11	SMD; 5.49mm x 5.18mm	L3, L4	Power board	4	70-IHLP2020CZER3R3M1	1,030	4,120	1741325	1,100	£4.40
79	3	2u2	1210	L5, L6, L7	Power board	6						
	1	2u2	1210	L8	AUX PS	1						
						7	81-LQH32PN2R2NN0L	0,344	2,408	2470305	0,205	£1.44
80	1	100uH	SMD, 12mm x 12mm	L9	AUX PS	1	652-SRU1038-101Y	0,758	0,758	2113014	0,735	£0.74
81	1	TFT_320QVT	THT; 2x20-pin socket	LCD1	Arduino Shield	1	571-2-2178710-0	1,200	1,200	7992033	2,040	£2.04
82	2	HSMG-C170	0805	LED_O1, LED_O2	Arduino Shield	2	630-HSMG-C170	0,060	0,120	5790852	0,147	£0.29
83	5	HSMH-C170	0805	LED_CC1, LED_CC2, LED_PROG1, LED_PROG2, LED_SP	Arduino Shield	5	630-HSMH-C170	0,060	0,300	5790840	0,144	£0.72
84	1	HSMR-C170	0805	LED_PWR	Arduino Shield	1	630-HSMR-C170	0,250	0,250	5790864	0,172	£0.17
85	4	HSMY-C170	0805	LED_CV1, LED_CV2, LED_S1, LED_S2	Arduino Shield	4						
	1	HSMY-C170	0805	LED1	Power board	2						
						6	630-HSMY-C170	0,060	0,360	5790876	0,144	£0.86

#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	TME		Total	Combined	THT	SMD
								Unit price					
44	1	LTC3864EMSE#PBF	MSOP-12	IC1	Power board	2	-				8,075 €		2
45	1	REF5025AIDG4	SOIC-8	IC10	Power board	2	-				5,734 €		2
46	1	DAC8552IDGKTG4	SOP-8	IC11	Power board	2	-				14,215 €		2
47	1	ADG465SOT-23	SOT-23	IC12	Power board	2	-				3,178 €		2
48	1	TS5A9411DCKT	SC-70	IC13	Power board	2	-				1,828 €		2
49	1	ADS1120IPWR	TSSOP-16	IC14	Power board	2	-				15,362 €		2
50	1	LP339D	SOIC-14	IC15	Power board	2	LP339D	0,278		0,56 €	0,556 €		2
51	1	LM25575MH/NOPB	HTSSOP-16	IC16	AUX PS	1	-				3,847 €		1
52	1	MC79L05	SOIC-8	IC2	Power board	2	MC79L05ACD	0,155		0,31 €	0,310 €		2
53	1	TLC5925IDBQR	SSOP-24	IC20	Arduino Shield	1	-				1,207 €		1
54	2	Si8641EC-B-IS1	SOIC-16	IC21, IC24	Arduino Shield	2	-				6,857 €		2
55	2	Si8651EC-B-IS1	SOIC-16	IC22, IC23	Arduino Shield	2	-				5,304 €		2
56	1	LD1117ADT33TR	TO-252	IC24	Arduino Shield	1	LD1117ADT33	0,315		0,32 €	0,309 €		1
57	1	PCA21125T/Q900/1,1	TSSOP-14	IC26	Arduino Shield	1	-				1,649 €		1
58	1	AT25256B	SOIC-8	IC27	Arduino Shield	1	25AA256-I/SN	1,290		1,29 €	1,081 €		1
59	1	W5500	LQFP-48	IC28	Arduino Shield	1	W5500	2,500		2,50 €	2,500 €		1
60	1	MC78L05	SOIC-8	IC3	Power board	2	MC78L05ABDG	0,165		0,33 €	0,330 €		2
61	1	BC857BS	SOT-363	IC29	Arduino Shield	1	BC857BS	0,027		0,03 €	0,027 €		1
62	1	TLC555	SOIC-8	IC30	Arduino Shield	1	TLC555CDR	0,365		0,37 €	0,287 €		1
63	1	SN74LVC2G08DCTR	SSOP-8	IC31	Arduino Shield	1	-				0,375 €		1
64	1	TPS3705-33D	SOIC-8	IC32	Arduino Shield	1	-				0,970 €		1
65	1	SN74LV1T34DBVR	SOT-23	IC33	Arduino Shield	1	-				0,399 €		1
66	1	SN74LVC2G02DCTR	SSOP-8	IC34	Arduino Shield	1	SN74LVC2G02DCTR	0,024		0,02 €	0,024 €		1
67	1	LM5574	TSSOP-16	IC4	Power board	2	LM5574MT	4,170		8,34 €	6,881 €		2
68	1	LP2951SO8	SOIC-8	IC5	Power board	2	LP2951CM/NOPB	0,508		1,02 €	1,016 €		2
69	2	TL072D	SOIC-8	IC6, IC7	Power board	4	TL072CD	0,164		0,66 €	0,540 €		4
70	1	OP27GSZ	SOIC-8	IC8	Power board	2	OP27GSZ	1,550		3,10 €	3,100 €		2
71	1	MCP23S08-E/SO	SOIC-18	IC9	Power board	2	MCP23S08-E/SO	1,070		2,14 €	2,069 €		2
72	2	RT424005	THT	K_PAR, K_SER	Arduino Shield	2	RT424005	1,260		2,52 €	2,520 €	2	
73	2	G6K-2F-5DC	SMD, relay	K_S1, K_S2	Arduino Shield	2	G6K-2F-5DC	2,490		4,98 €	4,980 €		2
74	1	SK 145/37,5	THT	KK1	AUX PS	1	-				1,911 €	1	
75	1	RN114-4/02	THT, solder on bottom layer!	L1	Power board	2	CAF-3.1-1.2	1,820		3,64 €	3,640 €	2	
76	1	470u	SMD; 7.3mm x 7.3mm	L10	AUX PS	1	DE0704-470	0,218		0,22 €	0,218 €		1
77	1	7443551331	SMD; 13.2mm x 12.8mm	L2	Power board	2	-				6,116 €		2
78	2	IHLP2020CZER3R3M11	SMD; 5.49mm x 5.18mm	L3, L4	Power board	4	-				5,256 €		4
79	3	2u2	1210	L5, L6, L7	Power board	6							
	1	2u2	1210	L8	AUX PS	1							
						7	DLJ3015-2.2	0,275		1,92 €	1,714 €		7
80	1	100uH	SMD, 12mm x 12mm	L9	AUX PS	1	DE1205-100	0,336		0,34 €	0,336 €		1
81	1	TFT_320QVT	THT; 2x20-pin socket	LCD1	Arduino Shield	1	ZL262-40DG	0,322		0,32 €	0,322 €	1	
82	2	HSMG-C170	0805	LED_O1, LED_O2	Arduino Shield	2	HSMG-C170	0,095		0,19 €	0,190 €		2
83	5	HSMH-C170	0805	LED_CC1, LED_CC2, LED_PROG1, LED_PROG2, LED_SP	Arduino Shield	5	HSMH-C170	0,056		0,28 €	0,280 €		5
84	1	HSMR-C170	0805	LED_PWR	Arduino Shield	1	HSMR-C170	0,059		0,06 €	0,059 €		1
85	4	HSMY-C170	0805	LED_CV1, LED_CV2, LED_S1, LED_S2	Arduino Shield	4							
	1	HSMY-C170	0805	LED1	Power board	2							
						6	HSMY-C170	0,060		0,36 €	0,360 €		6

EEZ PSU H24005 BOM (r5B9, 2016-09-06)
Project source code at <https://github.com/eez-open>

#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Mouser	Unit price	Total	Code	Farnell	Unit price	Total
86	1	10K/Beta:3570K	0805	NTC1	Power board	2	594-2381-615-53103		0,145	0,290	1612623		0,264	£0.53
87	1	MOC3052	SMD; SDIP-6	OK1	AUX PS	1	512-MOC3052SM		0,750	0,750	2453236		0,655	£0.66
88	1	MOC3062	SMD; SDIP-6	OK2	AUX PS	1	512-MOC3062SR2VM		0,997	0,997	2322554		0,537	£0.54
89	1	HCPL-181	SOIC-4	OK3	Arduino Shield	1	630-HCPL-181-000E		0,150	0,150	1244525		0,255	£0.26
90	1	SUD19P06-60	TO-252	Q1	Power board	2	781-SUD19P06-60-GE3		1,070	2,140	2101465		1,470	£2.94
91	5	MMBT5551	SOT-23	Q12, Q13, Q16, Q18, Q19	Power board	10	863-MMBT5551LT1G		0,154	1,540	1459109		0,127	£1.27
92	1	BSS84P	SOT-23	Q14	Power board	2	726-BSS84PH6327		0,242	0,484	1056526		0,085	£0.17
93	4	MMBT5401	SOT-23	Q2, Q10, Q11, Q17	Power board	8	863-MMBT5401LT1G		0,163	1,304	1459108		0,121	£0.97
94	2	BTA26-600	THT	Q20, Q21	AUX PS	2	511-BTA26-600B		3,110	6,220	1057286		2,070	£4.14
95	1	IRLL014N	SOT-232	Q22	AUX PS	1	942-IRLL014NPBF		0,561	0,561	8651183		0,392	£0.39
96	5	IRLML2246TRPBF	SOT-23	Q23, Q24, Q25, Q26, Q28	Arduino Shield	5	942-IRLML2246TRPBF		0,389	1,945	1888166		0,212	£1.06
97	3	2N7002	SOT-23	Q27, Q29, Q30	Arduino Shield	3								
	2	2N7002	SOT-23	Q3, Q15	Power board	4								
						7	621-2N7002-F		0,128	0,896	1713823		0,093	£0.65
98	1	IRFP250N	THT, solder on bottom layer!	Q4	Power board	2	942-IRFP250NPBF		1,870	3,740	8649260		1,510	£3.02
99	1	BC857C	SOT-23	Q5	Power board	2	771-BC857C-T/R		0,070	0,140	8734771		0,018	£0.04
100	1	BC846C	SOT-23	Q6	Power board	2	512-BC846CMTF		0,146	0,292	2453325		0,040	£0.08
101	2	BCP56-16.115	SOT-223	Q7, Q9	Power board	4	771-BCP56-16-T/R		0,340	1,360	1081258		0,187	£0.75
102	1	IRFR5410	TO-252	Q8	Power board	2	942-IRFR5410TRPBF		0,842	1,684	2468040		0,846	£1.69
103	3	0R	0805	R3, R21, R57	Power board	6								
	2	0R	0805	JP1, JP2	Power board	4								
	5	0R	0805	JP4, JP5, JP6, JP7, JP8	Arduino Shield	5								
						15	603-RC0805JR-070RL		0,012	0,180	9233750		0,007	£0.11
104	4	100K	0805	R11, R14, R77, R79	Power board	8								
	2	100K	0805	R143, R154	Arduino Shield	2								
						10	71-RCV0805100KFKEA		0,272	2,720	2352619		0,063	£0.63
105	2	100K	0805, 0.1%	R49, R59	Power board	4	667-ERA-6AEB104V		0,570	2,280	1577686		0,197	£0.79
106	1	100R	0805	R127	AUX PS	1								
	1	100R	0805	R164	Arduino Shield	1								
	3	100R	0805	R5, R6, R43	Power board	6								
						8	279-CPF0805B100RE1		0,152	1,216	9332375		0,016	£0.13
107	3	10K	0805	R124, R125, R131	AUX PS	3								
	5	10K	0805	R147, R153, R157, R170, R172	Arduino Shield	5								
	16	10K	0805	R9, R10, R22, R23, R29, R45, R52, R54, R61, R75, R76, R78, R86, R98, R99, R106	Power board	32								
						40	603-RC0805FR-0710KL		0,015	0,600	9237755		0,009	£0.36
108	1	10R	1206	R120	AUX PS	1								
	1	10R	1206	R151	Arduino Shield	1								
	3	10R	1206	R8, R18, R85	Power board	6								
						8	RC1206FR-0710RL		0,091	0,728	9236643		0,013	£0.11
109	1	12K4	0805	R152	Arduino Shield	1	279-RN73CA-12.4K		0,779	0,779	2141850		0,002	£0.00
110	1	22R/7W	THT	R107	AUX PS	1	66-W2222R0JRLF		1,070	1,070	1687978		0,272	£0.27
111	2	16K	0805	R118, R123	AUX PS	2								

#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	TME		Combined	THT	SMD
								Unit price	Total			
86	1	10K/Beta:3570K	0805	NTC1	Power board	2	NTCS0805E3103JMT	0,190	0,38 €	0,380 €		2
87	1	MOC3052	SMD; SDIP-6	OK1	AUX PS	1	MOC3052SR2VM	0,380	0,38 €	0,380 €		1
88	1	MOC3062	SMD; SDIP-6	OK2	AUX PS	1	MOC3062XSM	0,420	0,42 €	0,420 €		1
89	1	HCPL-181	SOIC-4	OK3	Arduino Shield	1	HCPL-181-000E	0,250	0,25 €	0,250 €		1
90	1	SUD19P06-60	TO-252	Q1	Power board	2	-			3,512 €		2
91	5	MMBT5551	SOT-23	Q12, Q13, Q16, Q18, Q19	Power board	10	MMBT5551	0,020	0,20 €	0,204 €		10
92	1	BSS84P	SOT-23	Q14	Power board	2	BSS84P	0,048	0,10 €	0,096 €		2
93	4	MMBT5401	SOT-23	Q2, Q10, Q11, Q17	Power board	8	MMBT5401	0,021	0,16 €	0,164 €		8
94	2	BTA26-600	THT	Q20, Q21	AUX PS	2	BTA26-600BRG	2,540	5,08 €	4,946 €	2	
95	1	IRLL014N	SOT-232	Q22	AUX PS	1	IRLL014NPBF	0,214	0,21 €	0,214 €		1
96	5	IRLML2246TRPBF	SOT-23	Q23, Q24, Q25, Q26, Q28	Arduino Shield	5	IRLML2246TRPBF	0,100	0,50 €	0,500 €		5
97	3	2N7002	SOT-23	Q27, Q29, Q30	Arduino Shield	3						
	2	2N7002	SOT-23	Q3, Q15	Power board	4						
						7	2N7002LT1G	0,019	0,13 €	0,133 €		7
98	1	IRFP250N	THT, solder on bottom layer!	Q4	Power board	2	IRFP250NPBF	1,060	2,12 €	2,120 €	2	
99	1	BC857C	SOT-23	Q5	Power board	2	BC857C-DIO	0,020	0,04 €	0,040 €		2
100	1	BC846C	SOT-23	Q6	Power board	2	BC846C-DIO	0,002	0,00 €	0,004 €		2
101	2	BCP56-16.115	SOT-223	Q7, Q9	Power board	4	BCP56-16.115	0,106	0,42 €	0,424 €		4
102	1	IRFR5410	TO-252	Q8	Power board	2	IRFR5410PBF	0,550	1,10 €	1,100 €		2
103	3	0R	0805	R3, R21, R57	Power board	6						
	2	0R	0805	JP1, JP2	Power board	4						
	5	0R	0805	JP4, JP5, JP6, JP7, JP8	Arduino Shield	5						
						15	SMD0805-0R	0,058	0,87 €	0,127 €		15
104	4	100K	0805	R11, R14, R77, R79	Power board	8						
	2	100K	0805	R143, R154	Arduino Shield	2						
						10	SMD0805-100K-1%	0,008	0,08 €	0,081 €		10
105	2	100K	0805, 0.1%	R49, R59	Power board	4	RN73C2A100KBTDF	0,513	2,05 €	0,941 €		4
106	1	100R	0805	R127	AUX PS	1						
	1	100R	0805	R164	Arduino Shield	1						
	3	100R	0805	R5, R6, R43	Power board	6						
						8	RC0805FR-07100R	0,007	0,05 €	0,053 €		8
107	3	10K	0805	R124, R125, R131	AUX PS	3						
	5	10K	0805	R147, R153, R157, R170, R172	Arduino Shield	5						
	16	10K	0805	R9, R10, R22, R23, R29, R45, R52, R54, R61, R75, R76, R78, R86, R98, R99, R106	Power board	32						
						40	RC0805FR-0710K	0,007	0,27 €	0,266 €		40
108	1	10R	1206	R120	AUX PS	1						
	1	10R	1206	R151	Arduino Shield	1						
	3	10R	1206	R8, R18, R85	Power board	6						
						8	CRCW120610R0FKTAB C	0,014	0,11 €	0,110 €		8
109	1	12K4	0805	R152	Arduino Shield	1	-			0,002 €		1
110	1	22R/7W	THT	R107	AUX PS	1	-			0,325 €	1	
111	2	16K	0805	R118, R123	AUX PS	2						

EEZ PSU H24005 BOM (r5B9, 2016-09-06)
Project source code at <https://github.com/eez-open>

#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Mouser	Total	Code	Farnell	Total
								Unit price			Unit price	
	2	16K	0805	R25, R36	Power board	4						
	6						652-CR0805FX-1602ELF	0,114	0,684	9332677	0,016	£0.10
112	4	180R	0805	R142, R155, R156, R158	Arduino Shield	4	667-ERJ-U06F1800V	0,244	0,976	2447583	0,005	£0.02
113	2	180R	0805, 0.1%	R63, R73	Power board	4	667-ERA-3AEB181V	0,570	2,280	1577596	0,143	£0.57
114	1	1K	0805	R129	AUX PS	1						
	2	1K	0805	R167, R168	Arduino Shield	2						
	6	1K	0805	R4, R33, R41, R74, R82, R95	Power board	12						
	15						71-CRCW0805-1.0K-E3	0,044	0,660	1099800	0,009	£0.14
115	1	1K8	0805	R126	AUX PS	1						
	2	1K8	0805	R28, R56	Power board	4						
	2	1K8	0805	R138, R159	Arduino Shield	2						
	7						71-CRCW08051K80FKEB	0,091	0,637	2447595	0,005	£0.03
116	2	1R	0805	R136, R140	Arduino Shield	2	71-CRCW0805-1-E3	0,091	0,182	2141629	0,017	£0.03
117	2	20K	0805, 0.1%	R50, R60	Power board	4	754-RG2012P-203-B-T5	0,512	2,048	1575937	0,393	£1.57
118	9	220R	0805	R38, R39, R42, R48, R58, R80, R81, R83, R84	Power board	18						
	2	220R	0805	R114, R117	AUX PS	2						
	20						71-CRCW0805-22-E3	0,044	0,880	1099795	0,012	£0.25
119	4	2K2	0805	R110, R111, R119, R12	AUX PS	4						
	11	2K2	0805	R17, R32, R34, R35, R37, R46, R62, R65, R68, R94, R96	Power board	22						
	26						603-RC0805FR-072K2L	0,015	0,390	9237534	0,009	£0.23
120	2	2K37	0805, 0.1%	R64, R72	Power board	4	279-RN73CA-2.37K	0,779	3,116	1575834	0,343	£1.37
121	1	2R2/2W	2512	R31	Power board	2	603-RC2512JK-7W2R2L	0,558	1,116	1376975	0,353	£0.71
122	1	330K	0805	R12	Power board	2	279-CPF0805B330KE1	0,181	0,362	9333070	0,002	£0.00
123	2	330R	0805	R87, R105	Power board	4	71-CRCW0805-330-E3	0,091	0,364	9333037	0,002	£0.01
124	4	330R/2W	2512	R108, R109, R112, R115	AUX PS	4	279-3520330RJT	0,124	0,496	1265196	0,106	£0.42
125	3	470R	0805	R20, R40, R53	Power board	6	71-CRCW0805-47-E3	0,091	0,546	1099798	0,012	£0.07
126	1	47K	0805	R128	AUX PS	1						
	2	47K	0805	R162, R163	Arduino Shield	2						
	7	47K	0805	R7, R16, R19, R89, R90, R91, R103	Power board	14						
	17						755-ESR10EZPF4702	0,130	2,210	2447664	0,005	£0.08
127	4	49R9	0805	R146, R148, R149, R150	Arduino Shield	4						
	2	49R9	0805	R113, R116,	AUX PS	2						
	6						791-WR08X1003FTL	0,108	0,648	2141727	0,016	£0.10
128	9	4K7	0805	R134, R135, R137, R139, R141, R144, R145, R169, R171	Arduino Shield	9						
	2	4K7	0805	R15, R102	Power board	4						
	13						755-ESR10EZPF4701	0,137	1,781	9333266	0,016	£0.21
129	2	51K	0805	R24, R51	Power board	4	755-ESR10EZPF5102	0,137	0,548	9334653	0,011	£0.04
130	4	51R	0805, 0.1%	R66, R67, R70, R71	Power board	8	279-CPF0805B51RE1	0,181	1,448	1670210	0,207	£1.66
131	3	5K1	0805	R27, R88, R101	Power board	6						
	2	5K1	0805	R165, R166	Arduino Shield	2						

#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	TME		Combined	THT	SMD
								Unit price	Total			
	2	16K	0805	R25, R36	Power board	4						
	6						SMD0805-16K-1%	0,008	0,05 €	0,049 €		6
112	4	180R	0805	R142, R155, R156, R158	Arduino Shield	4	SMD0805-180R-1%	0,008	0,03 €	0,024 €		4
113	2	180R	0805, 0.1%	R63, R73	Power board	4	-			0,683 €		4
114	1	1K	0805	R129	AUX PS	1						
	2	1K	0805	R167, R168	Arduino Shield	2						
	6	1K	0805	R4, R33, R41, R74, R82, R95	Power board	12						
						15	RC0805FR-071K	0,007	0,10 €	0,099 €		15
115	1	1K8	0805	R126	AUX PS	1						
	2	1K8	0805	R28, R56	Power board	4						
	2	1K8	0805	R138, R159	Arduino Shield	2						
						7	SMD0805-1K8-1%	0,008	0,06 €	0,041 €		7
116	2	1R	0805	R136, R140	Arduino Shield	2	RC0805FR-071R	0,009	0,02 €	0,019 €		2
117	2	20K	0805, 0.1%	R50, R60	Power board	4	TC0525B2002T1E	0,108	0,43 €	0,431 €		4
118	9	220R	0805	R38, R39, R42, R48, R58, R80, R81, R83, R84	Power board	18						
	2	220R	0805	R114, R117	AUX PS	2						
						20	RC0805FR-07220R	0,007	0,14 €	0,143 €		20
119	4	2K2	0805	R110, R111, R119, R12	AUX PS	4						
	11	2K2	0805	R17, R32, R34, R35, R37, R46, R62, R65, R68, R94, R96	Power board	22						
						26	SMD0805-2K2-1%	0,008	0,21 €	0,210 €		26
120	2	2K37	0805, 0.1%	R64, R72	Power board	4	-			1,639 €		4
121	1	2R2/2W	2512	R31	Power board	2	WF25P-2R2-5%	0,042	0,08 €	0,084 €		2
122	1	330K	0805	R12	Power board	2	RC0805FR-07330K	0,007	0,01 €	0,004 €		2
123	2	330R	0805	R87, R105	Power board	4	RC0805FR-07330R	0,007	0,03 €	0,008 €		4
124	4	330R/2W	2512	R108, R109, R112, R115	AUX PS	4	WF25P-330R-5%	0,042	0,17 €	0,168 €		4
125	3	470R	0805	R20, R40, R53	Power board	6	RC0805FR-07470R	0,007	0,04 €	0,044 €		6
126	1	47K	0805	R128	AUX PS	1						
	2	47K	0805	R162, R163	Arduino Shield	2						
	7	47K	0805	R7, R16, R19, R89, R90, R91, R103	Power board	14						
						17	RC0805FR-0747K	0,007	0,12 €	0,100 €		17
127	4	49R9	0805	R146, R148, R149, R150	Arduino Shield	4						
	2	49R9	0805	R113, R116,	AUX PS	2						
						6	RC0805FR-0749R9	0,007	0,04 €	0,043 €		6
128	9	4K7	0805	R134, R135, R137, R139, R141, R144, R145, R169, R171	Arduino Shield	9						
	2	4K7	0805	R15, R102	Power board	4						
						13	RC0805FR-074K7	0,006	0,08 €	0,084 €		13
129	2	51K	0805	R24, R51	Power board	4	RC0805FR-0751K	0,006	0,02 €	0,024 €		4
	4	51R	0805, 0.1%	R66, R67, R70, R71	Power board	8	-			1,978 €		8
131	3	5K1	0805	R27, R88, R101	Power board	6						
	2	5K1	0805	R165, R166	Arduino Shield	2						

EEZ PSU H24005 BOM (r5B9, 2016-09-06)
Project source code at <https://github.com/eez-open>

#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Mouser	Total	Code	Farnell	Total
								Unit price			Unit price	
						8	755-ESR10EZPF5101	0,137	1,096	9333320	0,016	£0.13
132	2	5K6	0805	R121, R130	AUX PS	2						
	4	5K6	0805	R26, R92, R97, R104	Power board	8						
						10	755-ESR10EZPF5601	0,130	1,300	2447693	0,005	£0.05
133	5	750R	0805	R47, R93, R100	Power board	10						
	2	750R	0805	R160, R161	Arduino Shield	2						
						12	71-CRCW0805-750-E3	0,044	0,528	9333525	0,016	£0.19
134	2	7K5	0805, 0.1%	R44, R55	Power board	4	754-RG2012P-752-B-T5	0,512	2,048	1670239	0,206	£0.82
135	1	R010/2W	2512, 2W	R2	Power board	2	652-CRA2512FZR010ELF	0,568	1,136	1435947	0,386	£0.77
136	1	R020/2W	2512, 2W	R69	Power board	2	756-LRMAM2512R02FT4	0,352	0,704	2079436	0,156	£0.31
137	1	R080/3W	2512, 3W	R30	Power board	2	652-CRA2512FZ-R80ELF	0,568	1,136	1435951	0,524	£1.05
138	2	4x10K	1206; resistor array	RN1, RN2	Arduino Shield	2	652-CAY16-103J4LF			1770137	0,088	£0.18
139	1	LD-BZEN-0903	THT	SP1	Arduino Shield	1	490-CST-951AP	1,430	1,430	-		
140	1	A101SYCQ04	THT	SW1	Arduino Shield	1	506-A101SYCQ04	2,640	2,640	2292959	1,960	£1.96
141	1	1301.9316	SMD; tactile switch	SW2	Arduino Shield	1	693-1301.9316	0,270	0,270	1217765	0,510	£0.51
142	1	SRF0703-821M	SMD; 7.6mm x 7.6mm	TR1	Power board	2	652-SRF0703-821M	0,758	1,516	1852832	0,608	£1.22
143	1	VTX-214-005-112	THT	TR2	AUX PS	1				2401044	6,490	£6.49
144	1	39303035	THT	X1	Power board	2	538-39-30-3035	0,603	1,206	9963545	0,568	£1.14
145	1	2411-01	THT, solder on bottom layer!	X11	AUX PS	1	710-61400413321	1,200	1,200	1177884	0,841	£0.84
146	1	MC000006	THT, solder on bottom layer!	X12	Arduino Shield	1				2007972	1,530	£1.53
147	2	TSW-113-07-F-D	THT	X13, X15	Arduino Shield	2	710-61302621121	1,410	2,820	2025182	1,640	£3.28
148	1	MC000005	THT, solder on bottom layer!	X14	Arduino Shield	1				2007971	1,190	£1.19
149	1	22-23-2021	THT	X17	Arduino Shield	1	538-22-23-2021	0,141	0,141	1462926	0,040	£0.04
150	1	MC34753	THT	X18	Arduino Shield	1	710-61300811021	0,670	0,670	1593431	0,331	£0.33
151	1	22-23-2041	THT	X19	Arduino Shield	1	538-22-23-2041	0,217	0,217	1462920	0,130	£0.13
152	1	SSW-113-02-T-D-RA	THT	X3	Power board	2	710-610126249221	4,260	8,520	1805583	4,170	£8.34
153	1	39303055	THT	X4	AUX PS	1	538-39-30-3055	0,920	0,920	9963561	0,374	£0.37
154	1	9185067324	THT	X5	AUX PS	1						
	1	9185067324	THT	X16	Arduino Shield	1						
						2	617-09-18-506-7324	1,240	2,480	1096984	0,745	£1.49
155	1	22-23-2031	THT	X6	AUX PS	1	538-22-23-2031	0,198	0,198	1462950	0,079	£0.08
156	1	LMJ2138814S0L1T1C	THT, solder on bottom layer!	X7	AUX PS	1	710-615008138321	4,350	4,350	-		
157	1	826629-8	THT	X8	AUX PS	1						
	5	826629-8	THT	MCU-ADCL, MCU-ADCH, MCU-COMM, MCU-PWML, MCU-PWMH	Arduino Shield	5						
						6	571-826629-8	0,949	5,694	1022256	0,084	£0.50
158	1	826629-5	THT	X9	AUX PS	1	571-826629-5	0,686	0,686	1593416	0,281	£0.28
159	1	32,768kHz	THT	Y1	Arduino Shield	1	815-AB38T-32.768KHZ	0,155	0,155	1611828	0,131	£0.13
160	1	25MHz	SMD, 11.5mm x 4.7mm	Y2	Arduino Shield	1	815-ABLS-25.0M-F-T	0,260	0,260	2467741	0,111	£0.11
161	2	SMAJ18A	DO-214AC	ZD10, ZD11	Arduino Shield	2	576-SMAJ18A	0,425	0,850	1749305	0,040	£0.08
162	1	BZX384-C4V3	SOD-323	ZD12	Arduino Shield	1	771-BZX384-C4V3115	0,110	0,110	8735697	0,133	£0.13

#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	TME		Combined	THT	SMD
								Unit price	Total			
						8	RC0805FR-075K1	0,007	0,05 €	0,052 €		8
132	2	5K6	0805	R121, R130	AUX PS	2						
	4	5K6	0805	R26, R92, R97, R104	Power board	8						
						10	SMD0805-5K6-1%	0,008	0,08 €	0,059 €		10
133	5	750R	0805	R47, R93, R100	Power board	10						
	2	750R	0805	R160, R161	Arduino Shield	2						
						12	CRCW0805750RFKTAB C	0,012	0,14 €			12
134	2	7K5	0805, 0.1%	R44, R55	Power board	4	RN73C2A7K5BTDF	0,475	1,90 €	0,984 €		4
135	1	R010/2W	2512, 2W	R2	Power board	2	WW25RR010FTL	0,189	0,38 €	0,378 €		2
136	1	R020/2W	2512, 2W	R69	Power board	2	WW25NR020FTL	0,189	0,38 €	0,373 €		2
137	1	R080/3W	2512, 3W	R30	Power board	2	-			1,252 €		2
138	2	4x10K	1206; resistor array	RN1, RN2	Arduino Shield	2	DR1206-10K-4/8	0,007	0,01 €	0,013 €		2
139	1	LD-BZEN-0903	THT	SP1	Arduino Shield	1	LD-BZEN-0903	0,508	0,51 €	0,508 €	1	
140	1	A101SYCQ04	THT	SW1	Arduino Shield	1	-			2,341 €	1	
141	1	1301.9316	SMD; tactile switch	SW2	Arduino Shield	1	1301.9316	0,220	0,22 €	0,220 €		1
142	1	SRF0703-821M	SMD; 7.6mm x 7.6mm	TR1	Power board	2	-			1,453 €		2
143	1	VTX-214-005-112	THT	TR2	AUX PS	1	-			7,753 €	1	
144	1	39303035	THT	X1	Power board	2	MX-5569-03A4	0,476	0,95 €	0,952 €	2	
145	1	2411-01	THT, solder on bottom layer!	X11	AUX PS	1	2411-01	0,660	0,66 €	0,660 €	1	
146	1	MC000006	THT, solder on bottom layer!	X12	Arduino Shield	1	-			1,828 €	1	
147	2	TSW-113-07-F-D	THT	X13, X15	Arduino Shield	2	-			3,918 €	2	
148	1	MC000005	THT, solder on bottom layer!	X14	Arduino Shield	1	-			1,422 €	1	
149	1	22-23-2021	THT	X17	Arduino Shield	1	MX-22-23-2021	0,070	0,07 €	0,048 €	1	
150	1	MC34753	THT	X18	Arduino Shield	1	-			0,395 €	1	
151	1	22-23-2041	THT	X19	Arduino Shield	1	MX-22-23-2041	0,106	0,11 €	0,106 €	1	
152	1	SSW-113-02-T-D-RA	THT	X3	Power board	2	ZL263-26DG	0,399	0,80 €	0,799 €	2	
153	1	39303055	THT	X4	AUX PS	1	-			0,447 €	1	
154	1	9185067324	THT	X5	AUX PS	1						
	1	9185067324	THT	X16	Arduino Shield	1						
						2	T821-1-10-S1	0,290	0,58 €		2	
155	1	22-23-2031	THT	X6	AUX PS	1	MX-22-23-2031	0,080	0,08 €	0,080 €	1	
156	1	LMJ2138814S0L1T1C	THT, solder on bottom layer!	X7	AUX PS	1	RJ45-TRAFO-LP	2,820	2,82 €	2,820 €	1	
157	1	826629-8	THT	X8	AUX PS	1						
	5	826629-8	THT	MCU-ADCL, MCU-ADCH, MCU-COMM, MCU-PWML, MCU-PWMH	Arduino Shield	5						
						6	ZL201-08G	0,065	0,39 €		6	
158	1	826629-5	THT	X9	AUX PS	1	ZL201-05G	0,032	0,03 €	0,032 €	1	
159	1	32,768kHz	THT	Y1	Arduino Shield	1	32.768K-TC38	0,144	0,14 €	0,144 €	1	
160	1	25MHz	SMD, 11.5mm x 4.7mm	Y2	Arduino Shield	1	25.00M-SMDHC49S	0,373	0,37 €	0,133 €		1
161	2	SMAJ18A	DO-214AC	ZD10, ZD11	Arduino Shield	2	P4SMAJ18A-DIO	0,105	0,21 €	0,095 €		2
162	1	BZX384-C4V3	SOD-323	ZD12	Arduino Shield	1	BZT52C4V3-DIO	0,019	0,02 €	0,019 €		1

#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Mouser	Unit price	Total	Farnell		
											Code	Unit price	Total
163	1	BZX384-C15.115	SOD-323	ZD4	Power board	2	771-BZX384-C15115		0,220	0,440	8735506	0,133	£0.27
164	1	PDZ6.2B	SOD-323	ZD5	Power board	2	771-PDZ6.2BT/R		0,080	0,160	1757863	0,194	£0.39
165	2	P4SMAJ48A	DO-214AC	ZD8, ZD9	Arduino Shield	2	511-SMAJ48A-TR		0,340	0,680	1749310	0,157	£0.31
													£215.97

AUX PS 230 V protection													
166	1	CG2-470L	THT	SAR1	AUX PS	1	652-2027-47-BLF		1,340	1,340	1846854	1,390	£1.39
167	2	S20K250	THT	VAR1, VAR2	AUX PS	2	871-B72220S251K101		0,936	1,872	1004357	0,563	£1.13
168	2	1.5KE400CA	THT	ZD6, ZD7	AUX PS	2	511-1.5KE400CARL		0,724	1,448	2341650	0,346	£0.69
													£3.21

Not installed													
5	100n	0603	C99, C100, C101, C102, C103	AUX PS	5						-		
1	1u	1206	C14	Power board	2						-		
2	100n	0805	C15, C19	Power board	4						-		
1	n.c.	0805	C39	Power board	2						-		
2	2m2	THT, Ø18mm, solder on bottom layer!	C4, C5	Power board	4						-		
4	STPS15H100	TO-252	D1, D2, D3, D4	Power board	8						-		
2	60R@100MHz	0603	FB5, FB6	AUX PS	2						-		
2	S1751-46R	0805	GND, SW	Power board	4						-		
1	TPD4E002DRLR		IC17	AUX PS	1						-		
1	TPD2E001DZDR		IC18	AUX PS	1						-		
1	ADUM3160BRWZ		IC19	AUX PS	1						-		
1	826926-2	THT	JP3	Arduino Shield	1						-		
1	0R	0805	R13	Power board	2						-		
1	12K	1208	R1	Power board	2						-		
2	22R	0805	R132, R133	AUX PS	2						-		
1	NRF24L01 module	THT	WIFI	Arduino Shield	1						-		
1	826629-5	THT	X10	AUX PS	1						-		
1	282836-2	THT	X2	Power board	2						-		
1	SSW-105-02-S-D	THT	X20	Arduino Shield	1						-		
2	n.c.		ZD1, ZD2	Power board	4						-		
1	See Note 3.2		ZD3	Power board	2						-		

Power module AC input option													
2	2m2	THT, solder on bottom layer!	C4, C5	Power board	4	647-UVR1J222MHD		1,630	6,520	1822562	1,651	£6.60	
	Option #1: UVZ1H222MHD	THT, solder on bottom layer!	C4, C5	Power board							-		
	Option #2: UVZ1J222MHD	THT, solder on bottom layer!	C4, C5	Power board							-		
4	STPS15H100	TO-252	D1, D2, D3, D4	Power board	8	511-STPS15H100CB-TR		0,941	7,528	2344052	0,549	£4.39	
1	12K	1206	R1	Power board	2	71-CRCW1206-12K-E3		0,091	0,182	1100220	0,013	£0.03	
1	282836-2	THT	X2	Power board	2	571-2828362		0,385	0,770	3089034	0,264	£0.53	
1	INDEL TST450/014	-	Transformer: toroidal; 450VA; 230VAC; 2x40V; 2x5.62A; 4kg	Enclosure	1						-		

Other													
2	BS-244DSM-R	Binding post 4mm, red	J1, J4	Arduino Shield	2	510-CT2234-2		3,620	3,620	1815818	2,120	£4.24	
1	BS-244DSM-G	Binding post 4mm, green	J2	Arduino Shield	1	510-CT2234-5		3,620	3,620	1815820	2,170	£2.17	
2	BS-244DSM-B	Binding post 4mm, black	J3, J5	Arduino Shield	2	510-CT2234-0		3,620	7,240	1815819	2,110	£4.22	

#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	TME	Unit price	Total	Combined	THT	SMD
163	1	BZX384-C15.115	SOD-323	ZD4	Power board	2	BZX384-C15.115		0,019	0,04 €	0,038 €		2
164	1	PDZ6.2B	SOD-323	ZD5	Power board	2	PDZ6.2B		0,019	0,04 €	0,037 €		2
165	2	P4SMAJ48A	DO-214AC	ZD8, ZD9	Arduino Shield	2	P4SMAJ48A-DIO		0,102	0,20 €	0,204 €		2
										75,00 €	194,68 €		

AUX PS 230 V protection													
166	1	CG2-470L	THT	SAR1	AUX PS	1	CG2-470L	1,450		1,45 €	1,450 €	1	
167	2	S20K250	THT	VAR1, VAR2	AUX PS	2	SIOV-S20K250	0,517		1,03 €	1,034 €	2	
168	2	1.5KE400CA	THT	ZD6, ZD7	AUX PS	2	1.5KE400CA	0,256		0,51 €	0,512 €	2	
										3,00 €	3,00 €	48	697

Not installed													
5	100n	0603		C99, C100, C101, C102, C103	AUX PS	5	-						5
1	1u	1206		C14	Power board	2	-						2
2	100n	0805		C15, C19	Power board	4	-						4
1	n.c.	0805		C39	Power board	2	-						2
2	2m2	THT, Ø18mm, solder on bottom layer!		C4, C5	Power board	4	-					4	
4	STPS15H100	TO-252		D1, D2, D3, D4	Power board	8	-						8
2	60R@100MHz	0603		FB5, FB6	AUX PS	2	-						
2	S1751-46R	0805		GND, SW	Power board	4	-						4
1	TPD4E002DRLR			IC17	AUX PS	1	-						1
1	TPD2E001DZDR			IC18	AUX PS	1	-						1
1	ADUM3160BRWZ			IC19	AUX PS	1	-						1
1	826926-2	THT		JP3	Arduino Shield	1	-					1	
1	0R	0805		R13	Power board	2	-						2
1	12K	1208		R1	Power board	2	-						2
2	22R	0805		R132, R133	AUX PS	2	-						2
1	NRF24L01 module	THT		WIFI	Arduino Shield	1	-					1	
1	826629-5	THT		X10	AUX PS	1	-					1	
1	282836-2	THT		X2	Power board	2	-					2	
1	SSW-105-02-S-D	THT		X20	Arduino Shield	1	-					1	
2	n.c.			ZD1, ZD2	Power board	4	-						4
1	See Note 3.2			ZD3	Power board	2	-						2

Power module AC input option													
2	2m2	THT, solder on bottom layer!		C4, C5	Power board	4	UVR1H222MHD	1,100		4,40 €			
	Option #1:	UVZ1H222MHD		C4, C5	Power board		UVZ1H222MHD	0,973		0,97 €			
	Option #2:	UVZ1J222MHD		C4, C5	Power board		UVZ1J222MHD	1,593		1,59 €			
4	STPS15H100	TO-252		D1, D2, D3, D4	Power board	8	-						
1	12K	1206		R1	Power board	2	RC1206JR-0712K	0,006		0,01 €			
1	282836-2	THT		X2	Power board	2	282836-2	0,270		0,54 €			
1	INDEL TST450/014	-		Transformer: toroidal; 450VA; 230VAC; 2x40V; 2x5.62A; 4kg	Enclosure	1	TST450/014	35,900		35,90 €	35,900 €		

Other													
2	BS-244DSM-R	Binding post 4mm, red		J1, J4	Arduino Shield	2	BS-244DSM-R	1,120		2,24 €	2,240 €	-	
1	BS-244DSM-G	Binding post 4mm, green		J2	Arduino Shield	1	BS-244DSM-G	1,120		1,12 €	1,120 €	-	
2	BS-244DSM-B	Binding post 4mm, black		J3, J5	Arduino Shield	2	BS-244DSM-B	1,140		2,28 €	2,280 €	-	

EEZ PSU H24005 BOM (r5B9, 2016-09-06)
Project source code at <https://github.com/eez-open>

#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Mouser	Unit price	Total	Code	Farnell	Unit price	Total
	1	39-01-4030	Receptacle for X1		Power board	2	538-39-01-4030		0,292	0,584	9963480		0,172	£0.34
	1	39-01-4050	Receptacle for X4		AUX PS	1	538-39-01-4050		0,358	0,358	9963502		0,087	£0.09
	1	22-01-2035	Receptacle for X6		AUX PS	1	538-22-01-2035		0,290	0,290	143127		0,145	£0.15
	3	39-00-0078	Pins for X1		Power board	6								
	5	39-00-0078	Pins for X4		AUX PS	5								
						11	538-39-00-0078		0,112	1,232	9732675		0,110	£1.21
	3	08-50-0114	Pins for X6		AUX PS	3	538-08-50-0114		0,141	0,423	2063734		0,023	£0.07
	1	MEAN WELL LRS-150-48	Power module 48VDC; 3.3A (adjustable to 54VDC)		Power board	2	709-LRS150-48		23,980	47,960	-			
	1	TFF-M3X40/DR124	40 mm metal spacer, M3 (a pair is required for dual channel)		Power board	2					-			
		Heatsink 70 x 120 mm	(Heatsink included with Varisom enclosure)		Power board						-			
	4	Screwed spacer sleeve; M3; 6 mm	Dremec 213x6		Power board	8					-			
	1	39-01-4050	Receptacle for X4			1	39-01-4050		0,358	0,358	9963502		0,087	£0.09
	5	39-00-0078	Pins for X4			5	538-39-00-0078		0,151	0,755	9732675		0,110	£0.55
	1	12V fan 60x60mm			Enclosure	1					-			
	4	Screwed spacer sleeve; hexagonal	14 mm, M3		AUX PS	4					1466812		0,326	£1.30
	1	Schurter 4304.6090	C14 IEC inlet, switch, 2 fuse drawer is included		Enclosure	1	693-4304.6090		9,630	9,630	2080294		8,650	£8.65
	1	Arduino Due			Arduino Shield	1					-			
	1	3.2" TFT LCD			Arduino Shield	1					-			
	2	NSR-08	Plug; female; PIN:8 w/o terminals for Ethernet cable		Arduino Shield	2					-			
	1	NSR-05	Plug; female; PIN:5 w/o terminals for USB cable		Arduino Shield	1					-			
	21	NDR-T	Contact; female; 28÷22AWG; NSR/NDR; tinned		Arduino Shield	21					-			
	9	Screwed spacer sleeve; M5; 8mm; brass	Extend binding post for PCB mounting		Arduino Shield	9					-			
	4	Spacer sleeve; 5mm; cylindrical; brass	5 mm between TFT display and front panel		Arduino Shield	4					1733405		0,065	£0.26
	4	Screwed spacer sleeve; hexagonal; polyamide; M3	11 mm between TFT display and PCB		Arduino Shield	4					2494576		0,238	£0.95
	4	Plastic washer; round; M3			Arduino Shield	4					-			
	12	Light pipe for LED	Round; Ø3mm; Front: convex; straight		Arduino Shield	12	749-PLP2-500		0,515	6,180	2293496		0,362	£4.34
	1	130106	Ring terminal; M5; 1÷2.5mm2		AUX PS	1	571-130106		0,207	0,207	970682		0,135	£0.14
	1	FC10300-0	Ribbon cable with IDC connectors, 30cm		Arduino Shield	1					-			
	1	Custom enclosure			Enclosure	1					-			
	1	PCBs			Enclosure	1					-			
										82,46 €				£28.77
										392,33				

All prices are net prices (without VAT)

EEZ PSU H24005 BOM (r5B9, 2016-09-06)
Project source code at <https://github.com/eez-open>

#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	TME		Combined	THT	SMD
								Unit price	Total			
	1	39-01-4030	Receptacle for X1		Power board	2	MX-5557-03R2	0,132	0,26 €	0,264 €	-	
	1	39-01-4050	Receptacle for X4		AUX PS	1	MX-5557-05R2	0,240	0,24 €	0,104 €	-	
	1	22-01-2035	Receptacle for X6		AUX PS	1	MX-6471-031	0,050	0,05 €	0,050 €	-	
	3	39-00-0078	Pins for X1		Power board	6						
	5	39-00-0078	Pins for X4		AUX PS	5						
						11	MX-5556-T3L	0,074	0,82 €	0,816 €	-	
	3	08-50-0114	Pins for X6		AUX PS	3	MX-0850-0114	0,047	0,14 €	0,082 €	-	
	1	MEAN WELL LRS-150-48	Power module 48VDC; 3.3A (adjustable to 54VDC)		Power board	2	LRS-150-48	14,820	29,64 €	29,640 €	-	
	1	TFF-M3X40/DR124	40 mm metal spacer, M3 (a pair is required for dual channel)		Power board	2	TFF-M3X40/DR124	0,156	0,31 €	0,312 €	-	
		Heatsink 70 x 120 mm	(Heatsink included with Varisom enclosure)		Power board		RAD-A4463/120	1,340			-	
	4	Screwed spacer sleeve; M3; 6 mm	Dremec 213x6		Power board	8	TFM-M3X6/DR213	0,089	0,71 €	0,713 €	-	
	1	39-01-4050	Receptacle for X4			1	9963502	0,087	0,09 €	0,087 €	-	
	5	39-00-0078	Pins for X4			5	9732675	0,110	0,55 €	0,550 €	-	
	1	12V fan 60x60mm			Enclosure	1	MB60251V1-G99	4,110	4,11 €	4,110 €	-	
	4	Screwed spacer sleeve; hexagonal	14 mm, M3		AUX PS	4	B3X14/BN3320	0,309	1,24 €	1,238 €	-	
	1	Schurter 4304.6090	C14 IEC inlet, switch, 2 fuse drawer is included		Enclosure	1	4304.6090	3,584	3,58 €	3,584 €	-	
	1	Arduino Due			Arduino Shield	1	Itead/Eckstein	19,480	19,48 €	19,480 €	-	
	1	3.2" TFT LCD			Arduino Shield	1	Itead/Eckstein	12,140	12,14 €	12,140 €	-	
	2	NSR-08	Plug; female; PIN:8 w/o terminals for Ethernet cable		Arduino Shield	2	NSR-08	0,088	0,18 €	0,175 €		
	1	NSR-05	Plug; female; PIN:5 w/o terminals for USB cable		Arduino Shield	1	NSR-05	0,027	0,03 €	0,027 €		
	21	NDR-T	Contact; female; 28÷22AWG; NSR/NDR; tinned		Arduino Shield	21	NDR-T	0,027	0,57 €	0,566 €		
	9	Screwed spacer sleeve; M5; 8mm; brass	Extend binding post for PCB mounting		Arduino Shield	9	TFM-M5X8/DR218	0,187	1,68 €	1,681 €		
	4	Spacer sleeve; 5mm; cylindrical; brass	5 mm between TFT display and front panel		Arduino Shield	4	DR316/3.2X5	0,057	0,23 €	0,228 €		
	4	Screwed spacer sleeve; hexagonal; polyamide; M3	11 mm between TFT display and PCB		Arduino Shield	4	-	0,128		1,137 €		
	4	Plastic washer; round; M3			Arduino Shield	4	B3/BN1074	0,008	0,03 €	0,032 €		
	12	Light pipe for LED	Round; Ø3mm; Front: convex; straight		Arduino Shield	12	PLP2-625	0,490	5,88 €	5,189 €		
	1	130106	Ring terminal; M5; 1÷2.5mm2		AUX PS	1	130106	0,162	0,16 €	0,162 €	-	
	1	FC10300-0	Ribbon cable with IDC connectors, 30cm		Arduino Shield	1	FC10300-0	1,040	1,04 €	1,040 €	-	
	1	Custom enclosure			Enclosure	1	Varisom (Qty of 10)	43,000	43,00 €	43,000 €	-	
	1	PCBs			Enclosure	1	Group buy	20,000	20,00 €	20,000 €	-	
									151,80 €	152,05 €		
									TOTAL	349,72 €		

All prices are net prices (without VAT)

							Mouser			Farnell		
#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Unit price	Total	Code	Unit price	Total

Please note that this BOM does *not* contain ordering number for parts on reels or that which include re-reeling fee (Farnell). TME does not offer regularly parts on reels.

Initial Mouser BOM Link: <https://www.mouser.se/ProjectManager/ProjectDetail.aspx?AccessID=a9dfaa85a4>

#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	TME	Unit price	Total	Combined	THT	SMD
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Please note that this BOM does *not* contain ordering number for parts on reels or that which include re-reeling fee (Farne

Initial Mouser BOM Link: <https://www.mouser.se/ProjectManager/ProjectDetail.aspx?AccessID=a9dfaa85a4>