											GE	BP/EUR ratio:	1,19457	'
#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Farnell Unit price	Total	Code	TME Unit price	Total	Combined	THT SMD
1	1	2x3-pin socket	THT	MCU-ICSP	Arduino Shield	1	7991983	0,605	£0,61	ZL262-6DG	0,071	0,07 €	0,071 €	1
2	3	100n	1206	C1, C2, C3	Power board	6	2497072	0,035	£0,21	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		27								
						66	2496832	0,006	£0,38	CL10B104KO8NNNC	0,004	0,29 €	0,290 €	66
4	1	100u	SMD; Ø6.3 x 7.7mm	C97	AUX PS	1	1539501	0,305	£0,31	EEEFPV101XAP	0,340	0,34 €	0,340 €	1
5	8	10n	0805	C105, C108, C110, C112, C133, C146 C154, C155		8	1000001	0,000	20,01		0,040	0,040	0,010	_
	6	10n	0805	C34, C45, C53, C58, C80, C84	Power board	12								
						20	1759246	0,011	£0,23	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	2362133	0,995	£7,96	CL32B106KBJNNNE	0,203	1,62 €	1,624 €	8
7	1	10u	SMD; Ø5 x 5.8mm	C120	Arduino Shield	1	1850112	0,206	£0,21	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	1457413	0,177	£0,53	T491A106K010AT	0,085	0,26 €	0,255 €	3
9	2	120p	0805	C21, C50	Power board	4	1414667	0,030	£0,12	CL21C121JBANNNP	0,007	0,03€	0,027 €	4
10	1	•	0805	C96	AUX PS		1759207	0,051	£0,05	CL10C181JB8NNNC	0,006	0,01€	0,006 €	
11	2	18p	0805	C131, C135	Arduino Shield	2	2320820	0,038	£0,08	CL21C180JBANNNC	0,010	0,02 €	0,019 €	2
12	6	1n	0805	C41, C47, C51, C63, C64	Power board	12								
	1	1 n	0805	C94	AUX PS	1								
						13	2407340	0,035	£0,46	CL21B102KCANNNC	0,006	0,08 €	0,084 €	13
13	4	1u	1206, 100V	C10, C28, C31, C44	Power board	8	2320876	0,277	£2,22	GRM31CR72A105KA01	L 0,128	1,02 €	1,022 €	8
14	7	1u	0805, 50V	C13, C57, C59, C68, C74, C76	Power board	14	2118131	0,169	£2,37	CL21B105KBFNNNG	0,014	0,20 €	0,200 €	14
15		22n 22n	0805 0805	C130 C29	Arduino Shield Power board	1								
		22n	0805	C87, C90	AUX PS	2								
		2211	0000	651, 636	AOATS		1759252	0,021	£0,10	CL21B223KBANNNC	0,008	0,04 €	0,042 €	5
16	2	2n2	0805	C48, C49, C81	Power board	£	1759235	0,023	£0,14	CL21B222KBANNND	0,006	0,04 €	0,037 €	6
16 17		2n2 2u2	0805	C48, C49, C81 C24, C36, C38	Power board		2320829	0,023	£0,14 £0,92	CL21B225KAFNNNG	0,006	0,04 €	0,037 €	
		330p	0805	C17, C33	Power board	4	2020025	0,133	20,02	CLZIBZZSIVAI NIVIVO	0,021	0,10 0	0,100 0	
	-	330p	0805	C89	AUX PS	1								
		·				5	1759212	0,030	£0,15	CL21C331JBANNNC	0,014	0,07 €	0,069 €	5
19	5	3n3	0805	C40, C71, C72, C77, C78	Power board	10	2496782	0,004	£0.04	CL21B332KBANNNC	0,007	0,07 €	0,042 €	10
		3n9	0805	C95	AUX PS		1759240	0,030		CL21B392KBANNNC	0,009	0,01 €		
		470n	0805, 50V	C9, C25, C32	Power board	6		,			, ,			
		470n	0805, 50V	C104, C109	Arduino Shield	2								
						8	2470492	0,043	£0,34	CL21B474KBFNNNG	0,015	0,12 €	0,122 €	8
22	1	470p	0805	C23	Power board	2	2496859	0,005	£0,01	CL21B471KBANNNC	0,007	0,01€	0,012 €	2

23 2 47n	0,008 0,007 0,153 0,006 0,075 0,116 0,004 0,158 2,190 0,370 0,443 0,088	0,007 0,153 0,006 0,075 0,116 0,004 0,158 2,190 0,370	0,02 € 0,03 € 0,76 € 0,01 € 0,23 € 0,35 € 0,01 € 0,16 € 2,19 €	0,025 € 0,753 € 0,030 € 0,764 € 0,008 € 0,226 € 9,103 € 0,348 € 0,008 € 0,158 €	3 1 4 5 2 3 6 3 2
1 47n	0,007 0,153 0,006 0,075 0,116 0,004 0,158 2,190 0,370 0,443	0,007 0,153 0,006 0,075 0,116 0,004 0,158 2,190 0,370	0,03 € 0,76 € 0,01 € 0,23 € 0,35 € 0,01 € 0,16 € 2,19 €	0,753 € 0,030 € 0,764 € 0,008 € 0,226 € 9,103 € 0,348 € 0,008 €	1 4 5 2 3 6 3
24 1 47n/400V	0,007 0,153 0,006 0,075 0,116 0,004 0,158 2,190 0,370 0,443	0,007 0,153 0,006 0,075 0,116 0,004 0,158 2,190 0,370	0,03 € 0,76 € 0,01 € 0,23 € 0,35 € 0,01 € 0,16 € 2,19 €	0,753 € 0,030 € 0,764 € 0,008 € 0,226 € 9,103 € 0,348 € 0,008 €	1 4 5 2 3 6 3
24 1 47n/400V THT C86 AUX PS 1 2468839 0.630 £0.63 - 25 2 47p 0805 C46, C52 Power board 4 1414692 0.015 £0.06 CC0805JRNPO9470 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 2 47u SMD, Ø6.3 x 5.8mm C27, C35 Power board 4 5 9695850 0.247 £1,24 EEEFK1V470P 27 1 4n7 0805 C22 Power board 2 2 2496786 0.004 £0.01 CL21B472KBANNNC 28 1 4u7 1206, Tantalum C145 Arduino Shield 1 1 4u7 1206, Tantalum C43 Power board 2 2 1 4u7 120, 100V, X7R C6, C7, C8 Power board 2 3 1457428 0.162 £0.49 T491A475K006AT 29 3 4u7 1210, 100V, X7R C8, C92, C93 AIX PS 3 1907365 0.330 £0.99 C.132A475KAULNNE 31 26 68 0603 C132, C134 Arduino Shield 2 1 1799100 0.009 £0.02 C.108682JB8NNNC 32 1 6n8 (X1) THT C85 AUX PS 1 2478385 0.354 £0.35 MKP-Y2-6N8 31 1 EEEFK1J101P SMD; Ø10 X 10.2mm C18 Power board 2 9696040 0.481 £0.96 EEEFK1J101P SMD; Ø10 X 10.2mm C18 Power board 2 9696040 0.481 £0.96 EEEFK1J101P SMD; Ø10 X 10.2mm C16 Power board 2 9696040 0.481 £0.96 EEEFK1J101P SMD; Ø10 X 10.2mm C16 Power board 2 9696040 0.481 £0.96 EEEFK1J101P SMD; Ø10 X 10.2mm C16 Power board 2 9696040 0.481 £0.96 EEEFK1J101P SMD; Ø10 X 10.2mm C16 Power board 2 9696040 0.481 £0.96 EEEFK1J101P SMD; Ø10 X 10.2mm C16 Power board 2 9696040 0.481 £0.96 EEEFK1J101P SMD; Ø10 X 10.2mm C16 Power board 2 9696040 0.481 £0.96 EEEFK1J101P SMD; Ø10 X 10.2mm C16 Power board 2 9696040 0.481 £0.96 EEEFK1J101P SMD; Ø10 X 10.2mm C16 Power board 2 9696040 0.481 £0.96 EEEFK1J101P SMD; Ø10 X 10.2mm C16 Power board 2 9696040 0.481 £0.96 EEEFK1J101P SMD; Ø10 X 10.2mm C16 Power board 2 9696040 0.481 £0.96 EEEFK1J101P SMD; Ø10 X 10.2mm C16 Power board 2 9696040 0.481 £0.96 EEEFK1J101P SMD; Ø10 X 10.2mm C16 Power board 2 9696040 0.481 £0.96 EEEFK1J101P SMD; Ø10 X 10.2mm C16 Power board 2 9696040 0.481 £0.96 EEEFK1J101P SMD; Ø10 X 10.2mm C16 Power board 2 9696040 0.481 £0.96 EEEFK1J101P SMD; Ø10 X 10.2mm C16 Power board 2 9696040 0.481 £0.96 EEEFK1J101P SMD; Ø10 X 10.2mm C16 Power board 2 9696040 0.481 £0.96 EEEFK1J101P SMD; Ø10 X 10.2mm C16 Power board	0,007 0,153 0,006 0,075 0,116 0,004 0,158 2,190 0,370 0,443	0,007 0,153 0,006 0,075 0,116 0,004 0,158 2,190 0,370	0,03 € 0,76 € 0,01 € 0,23 € 0,35 € 0,01 € 0,16 € 2,19 €	0,753 € 0,030 € 0,764 € 0,008 € 0,226 € 9,103 € 0,348 € 0,008 €	1 4 5 2 3 6 3
25 2 47p	0,153 0,006 0,075 0,116 0,004 0,158 2,190 0,370 0,443	0,153 0,006 0,075 0,116 0,004 0,158 2,190 0,370	0,76 € 0,01 € 0,23 € 0,35 € 0,01 € 0,16 € 2,19 €	0,030 € 0,764 € 0,008 € 0,226 € 9,103 € 0,348 € 0,008 €	4 5 2 3 6 3
25 2 47p	0,153 0,006 0,075 0,116 0,004 0,158 2,190 0,370 0,443	0,153 0,006 0,075 0,116 0,004 0,158 2,190 0,370	0,76 € 0,01 € 0,23 € 0,35 € 0,01 € 0,16 € 2,19 €	0,030 € 0,764 € 0,008 € 0,226 € 9,103 € 0,348 € 0,008 €	4 5 2 3 6 3
26 1 47u SMD, Ø6.3 x 5.8mm C119 Arduino Shield 1	0,153 0,006 0,075 0,116 0,004 0,158 2,190 0,370 0,443	0,153 0,006 0,075 0,116 0,004 0,158 2,190 0,370	0,76 € 0,01 € 0,23 € 0,35 € 0,01 € 0,16 € 2,19 €	0,764 € 0,008 € 0,226 € 9,103 € 0,348 € 0,008 €	5 2 3 6 3
26 1 47u SMD, Ø6.3 x 5.8mm C119 Arduino Shield 1	0,153 0,006 0,075 0,116 0,004 0,158 2,190 0,370 0,443	0,153 0,006 0,075 0,116 0,004 0,158 2,190 0,370	0,76 € 0,01 € 0,23 € 0,35 € 0,01 € 0,16 € 2,19 €	0,764 € 0,008 € 0,226 € 9,103 € 0,348 € 0,008 €	5 2 3 6 3
2	0,006 0,075 0,116 0,004 0,158 2,190 0,370 0,443	0,006 0,075 0,116 0,004 0,158 2,190 0,370	0,01 € 0,23 € 0,35 € 0,01 € 0,16 € 2,19 €	0,008 € 0,226 € 9,103 € 0,348 € 0,008 €	3 6 3
1	0,006 0,075 0,116 0,004 0,158 2,190 0,370 0,443	0,006 0,075 0,116 0,004 0,158 2,190 0,370	0,01 € 0,23 € 0,35 € 0,01 € 0,16 € 2,19 €	0,008 € 0,226 € 9,103 € 0,348 € 0,008 €	3 6 3
27 1 4n7 0805 C22 Power board 2 2496786 0,004 £0,01 CL21B472KBANNNC 28 1 4u7 1206, Tantalum C43 Power board 2 3 1457428 0,162 £0,49 T491A475K006AT 29 3 4u7 1210, 100V, X7R C6, C7, C8 Power board 2 3 1457428 0,162 £0,49 T491A475K006AT 29 3 4u7 1210, 25V C88, C92, C93 AUX PS 3 1907365 0,330 £0,99 CL32A475KAULNNE 31 2 6n8 0603 C132, C134 Arduino Shield 2 1759100 0,009 £0,02 CL10B682JB8NNNC 32 1 6n8 (X1) THT C85 AUX PS 1 2478385 0,354 £0,35 MKP-Y2-6N8 33 1 EECSSRSH105 THT C127 Arduino Shield 1 9697497 2,780 £2,78 EECSSRSH105 34 1 EEEFK1J101P SMD; Ø10 x 10.2mm C18 Power board 2 9696040 0,481 £0,96 EEEFK1J101P 35 1 EEEFK1J470P SMD; Ø8x10,2mm C16 Power board 2 9696032 0,603 £1,21 EEEFK1J101P 36 2 UPW1J150MED SMD; Ø6,3x5,8mm C106, C111 Arduino Shield 2 2326151 0,222 £0,44 UWT1H220MCL6GS 37 1 BAS316 SOD-323 D21 AUX PS 1 5 BAS316 SOD-323 D22, D23, D24, D26, D27 Arduino Shield 5 BAS316 SOD-323 D26, D11, D12, D13, D14, D15, D16, D17, D18 24 8734275 0,140 £3,36 BAS316 38 1 BAT54S BAT54S D28 Arduino Shield 1 1621835 0,086 £0,09 BAT54S.215 39 1 DFLS1100-7 SOD-323 D19 AUX PS 1	0,006 0,075 0,116 0,004 0,158 2,190 0,370 0,443	0,006 0,075 0,116 0,004 0,158 2,190 0,370	0,01 € 0,23 € 0,35 € 0,01 € 0,16 € 2,19 €	0,008 € 0,226 € 9,103 € 0,348 € 0,008 €	3 6 3
28 1 4u7 1206, Tantalum C145 Arduino Shield 1 1 4u7 1206, Tantalum C43 Power board 2 29 3 4u7 1210, 100V, X7R C6, C7, C8 Power board 6 2211140 1,270 £7,62 - 30 3 4u7 1210, 25V C88, C92, C93 AUX PS 3 1907365 0,330 £0,99 CL32A475KAULNNE 31 2 6n8 0603 C132, C134 Arduino Shield 2 1759100 0,099 £0,02 CL106862JB8NNNC 32 1 6n8 (x1) THT C85 AUX PS 1 2478385 0,354 £0,35 MKP-Y2-6N8 33 1 EECSFSF5H105 THT C127 Arduino Shield 1 9697497 2,780 £2,78 EECSFSF5H105 34 1 EEEFK1J3101P SMD; Ø10 x 10.2mm C16 Power board 2 9696032 0,603 £1,21 EEEFK1J3101P 35 1 EEEFK1J3470P SMD; Ø8x358mm C106, C111 Arduino Shield	0,075 0,116 0,004 0,158 2,190 0,370 0,443	0,075 0,116 0,004 0,158 2,190 0,370	0,23 € 0,35 € 0,01 € 0,16 € 2,19 €	0,226 € 9,103 € 0,348 € 0,008 €	3 6 3
28 1 4u7 1206, Tantalum C145 Arduino Shield 1 1 4u7 1206, Tantalum C43 Power board 2 29 3 4u7 1210, 100V, X7R C6, C7, C8 Power board 6 2211140 1,270 £7,62 - 30 3 4u7 1210, 25V C88, C92, C93 AUX PS 3 1907365 0,330 £0,99 CL32A475KAULNNE 31 2 6n8 0603 C132, C134 Arduino Shield 2 1759100 0,099 £0,02 CL106862JB8NNNC 32 1 6n8 (x1) THT C85 AUX PS 1 2478385 0,354 £0,35 MKP-Y2-6N8 33 1 EECSFSF5H105 THT C127 Arduino Shield 1 9697497 2,780 £2,78 EECSFSF5H105 34 1 EEEFK1J3101P SMD; Ø10 x 10.2mm C16 Power board 2 9696032 0,603 £1,21 EEEFK1J3101P 35 1 EEEFK1J3470P SMD; Ø8x358mm C106, C111 Arduino Shield	0,075 0,116 0,004 0,158 2,190 0,370 0,443	0,075 0,116 0,004 0,158 2,190 0,370	0,23 € 0,35 € 0,01 € 0,16 € 2,19 €	0,226 € 9,103 € 0,348 € 0,008 €	3 6 3
28 1 4u7 1206, Tantalum C145 Arduino Shield 1 1 4u7 1206, Tantalum C43 Power board 2 29 3 4u7 1210, 100V, X7R C6, C7, C8 Power board 6 2211140 1,270 £7,62 - 30 3 4u7 1210, 25V C88, C92, C93 AUX PS 3 1907365 0,330 £0,99 C1,322,4375KAULNNE 31 2 6n8 0603 C132, C134 Arduino Shield 2 1759100 0,009 £0,02 C1,016862JB8NNNC 32 1 6n8 (X1) THT C85 AUX PS 1 2478385 0,354 £0,35 MKP-Y2-6N8 33 1 EECSFSFH105 THT C127 Arduino Shield 1 9697497 2,780 £2,78 EECSFSF5H105 34 1 EEEFK1J470P SMD; Ø10 x 10.2mm C16 Power board 2 9696032 0,603 £1,21 EEEFK1J470P 35 1 EEEFK1J470P SMD; Ø6.3x5.8mm C106, C111 AVX PS <	0,075 0,116 0,004 0,158 2,190 0,370 0,443	0,075 0,116 0,004 0,158 2,190 0,370	0,23 € 0,35 € 0,01 € 0,16 € 2,19 €	0,226 € 9,103 € 0,348 € 0,008 €	3 6 3
1 4u7	0,116 0,004 0,158 2,190 0,370 0,443	0,116 0,004 0,158 2,190 0,370	0,35 € 0,01 € 0,16 € 2,19 €	9,103 € 0,348 € 0,008 €	6 3
3 1457428 0,162 £0,49 T491A475K006AT 29 3 4u7 1210, 100V, X7R C6, C7, C8 Power board 6 2211140 1,270 £7,62 - 30 3 4u7 1210, 25V C88, C92, C93 AUX PS 3 1907365 0,330 £0,99 CL32A475KAULNNE 31 2 6n8 0603 C132, C134 Arduino Shield 2 1759100 0,009 £0,02 CL10B682JB8NNNC 32 1 6n8 (X1) THT C85 AUX PS 1 2478385 0,354 £0,35 MKP-Y2-6N8 33 1 EECSFSFH105 THT C127 Arduino Shield 1 9697497 2,780 £2,78 E2CSFSFH105 34 1 EEEFK1J101P SMD; Ø10 x 10.2mm C18 Power board 2 9696040 0,481 £0,96 EEEFK1J101P 35 1 EEEFKL1470P SMD; Ø8x10.2mm C16 Power board 2 9696032 0,603 £1,21 EEEFK1J470P 36 2 UPW1J150MED SMD; Ø6,3x5.8mm C106, C111 Arduino Shield 2 2326151 0,222 £0,44 UWT1H220MCL6GS 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 24 8734275 0,140 £3,36 BAS316 38 1 BAT54S BAT54S BAT54S D28 Arduino Shield 1 1621835 0,086 £0,09 BAT54S.215 39 1 DFLS1100-7 SOD-323 D19 AUX PS 1	0,116 0,004 0,158 2,190 0,370 0,443	0,116 0,004 0,158 2,190 0,370	0,35 € 0,01 € 0,16 € 2,19 €	9,103 € 0,348 € 0,008 €	6 3
29 3 4u7 1210, 100V, X7R C6, C7, C8 Power board 6 2211140 1,270 £7,62 - 30 3 4u7 1210, 25V C88, C92, C93 AUX PS 3 1907365 0,330 £0,99 CL32A475KAULNNE 31 2 6n8 0603 C132, C134 Arduino Shield 2 1759100 0,009 £0,02 C1.108682JB8NNNC 32 1 6n8 (X1) THT C85 AUX PS 1 2478385 0,354 £0,35 MKP-Y2-6N8 33 1 EECSFRSH105 THT C127 Arduino Shield 1 9697497 2,780 £2,78 EECSFRSH105 34 1 EEEFK1J101P SMD; Ø10 x 10.2mm C18 Power board 2 9696040 0,481 £0,96 EEEFKJ101P SMD; Ø8x10.2mm C16 Power board 2 9696032 0,603 £1,21 EEEFKJ1470P SMD; Ø6.3x5.8mm C106, C111 Arduino Shield 2 2326151 0,222 £0,44 UWT1H220MCL6GS 37 1 BAS316 SOD-323 D21 AUX PS 1 5 BAS316 SOD-323 D22, D23, D24, D26, D27 Arduino Shield 5 Power board 2 Pow	0,116 0,004 0,158 2,190 0,370 0,443	0,116 0,004 0,158 2,190 0,370	0,35 € 0,01 € 0,16 € 2,19 €	9,103 € 0,348 € 0,008 €	6 3
30 3 4u7 1210,25V C88, C92, C93 AUX PS 3 1907365 0,330 £0,99 CL32A475KAULNNE 31 2 6n8 0603 C132, C134 Arduino Shield 2 1759100 0,009 £0,02 CL10B682JB8NNNC 32 1 6n8 (X1) THT C85 AUX PS 1 2478385 0,354 £0,35 MKP-Y2-6N8 33 1 EECSFSF1105 THT C127 Arduino Shield 1 9697497 2,780 £2,78 EECSFSF1105 34 1 EEEFK1J101P SMD; Ø10 x 10.2mm C18 Power board 2 9696040 0,481 £0,96 EEEFK1J101P 35 1 EEEFK1J470P SMD; Ø8x10.2mm C16 Power board 2 9696032 0,603 £1,21 EEEFK1J470P 36 2 UPW1J150MED SMD; Ø6.3x5.8mm C106, C111 Arduino Shield 2 2326151 0,222 £0,44 UWT1H220MCL6GS 37 1 BAS316 SOD-323 D21 AUX PS 1 5 BAS316 SOD-323 D22, D23, D24, D26, D27 Arduino Shield 5 5 BAS316 SOD-323 D6, D11, D12, D13, D14, D15, D16, D17, D18 9 BAS316 SOD-323 D6, D11, D12, D13, D14, D15, D16, D17, D18 D17, D18 38 1 BAT54S BAT54S D28 Arduino Shield 1 1621835 0,086 £0,09 BAT54S.215 39 1 DFLS1100-7 SOD-323 D19 AUX PS 1	0,004 0,158 2,190 0,370 0,443	0,004 0,158 2,190 0,370	0,01 € 0,16 € 2,19 €	0,348 € 0,008 €	3
30 3 4u7 1210,25V C88, C92, C93 AUX PS 3 1907365 0,330 £0,99 CL32A475KAULNNE 31 2 6n8 0603 C132, C134 Arduino Shield 2 1759100 0,009 £0,02 CL10B682JB8NNNC 32 1 6n8 (X1) THT C85 AUX PS 1 2478385 0,354 £0,35 MKP-Y2-6N8 33 1 EECSFSF1105 THT C127 Arduino Shield 1 9697497 2,780 £2,78 EECSFSF1105 34 1 EEEFK1J101P SMD; Ø10 x 10.2mm C18 Power board 2 9696040 0,481 £0,96 EEEFK1J101P 35 1 EEEFK1J470P SMD; Ø8x10.2mm C16 Power board 2 9696032 0,603 £1,21 EEEFK1J470P 36 2 UPW1J150MED SMD; Ø6.3x5.8mm C106, C111 Arduino Shield 2 2326151 0,222 £0,44 UWT1H220MCL6GS 37 1 BAS316 SOD-323 D21 AUX PS 1 5 BAS316 SOD-323 D22, D23, D24, D26, D27 Arduino Shield 5 5 BAS316 SOD-323 D6, D11, D12, D13, D14, D15, D16, D17, D18 9 BAS316 SOD-323 D6, D11, D12, D13, D14, D15, D16, D17, D18 D17, D18 38 1 BAT54S BAT54S D28 Arduino Shield 1 1621835 0,086 £0,09 BAT54S.215 39 1 DFLS1100-7 SOD-323 D19 AUX PS 1	0,004 0,158 2,190 0,370 0,443	0,004 0,158 2,190 0,370	0,01 € 0,16 € 2,19 €	0,348 € 0,008 €	3
30 3 4u7 1210,25V C88, C92, C93 AUX PS 3 1907365 0,330 £0,99 CL32A475KAULNNE 31 2 6n8 0603 C132, C134 Arduino Shield 2 1759100 0,009 £0,02 CL10B682JB8NNNC 32 1 6n8 (X1) THT C85 AUX PS 1 2478385 0,354 £0,35 MKP-Y2-6N8 33 1 EECSFSF1105 THT C127 Arduino Shield 1 9697497 2,780 £2,78 EECSFSF1105 34 1 EEEFK1J101P SMD; Ø10 x 10.2mm C18 Power board 2 9696040 0,481 £0,96 EEEFK1J101P 35 1 EEEFK1J470P SMD; Ø8x10.2mm C16 Power board 2 9696032 0,603 £1,21 EEEFK1J470P 36 2 UPW1J150MED SMD; Ø6.3x5.8mm C106, C111 Arduino Shield 2 2326151 0,222 £0,44 UWT1H220MCL6GS 37 1 BAS316 SOD-323 D21 AUX PS 1 5 BAS316 SOD-323 D22, D23, D24, D26, D27 Arduino Shield 5 5 BAS316 SOD-323 D6, D11, D12, D13, D14, D15, D16, D17, D18 9 BAS316 SOD-323 D6, D11, D12, D13, D14, D15, D16, D17, D18 D17, D18 38 1 BAT54S BAT54S D28 Arduino Shield 1 1621835 0,086 £0,09 BAT54S.215 39 1 DFLS1100-7 SOD-323 D19 AUX PS 1	0,004 0,158 2,190 0,370 0,443	0,004 0,158 2,190 0,370	0,01 € 0,16 € 2,19 €	0,348 € 0,008 €	3
31 2 6n8 0603 C132, C134 Arduino Shield 2 1759100 0,009 £0,02 CL10B682JB8NNNC 32 1 6n8 (X1) THT C85 AUX PS 1 2478385 0,354 £0,35 MKP-Y2-6N8 33 1 EECS5R5H105 THT C127 Arduino Shield 1 9697497 2,780 £2,78 EECS5R5H105 34 1 EEEFK1J101P SMD; Ø10 x 10.2mm C18 Power board 2 9696040 0,481 £0,96 EEEFK1J101P 35 1 EEEFK1J470P SMD; Ø8x10.2mm C16 Power board 2 9696032 0,603 £1,21 EEEFK1J470P 36 2 UPW1J150MED SMD; Ø8x10.2mm C106, C111 Arduino Shield 2 2326151 0,222 £0,44 UWT1H220MCL6GS 37 1 BAS316 SOD-323 D21 AUX PS 1 5 BAS316 SOD-323 D6, D11, D12, D13, D14, D15, D16, D17, D18 Power board 18 9 BAS316 SOD-323 D6, D11, D12, D13, D14, D15, D1	0,004 0,158 2,190 0,370 0,443	0,004 0,158 2,190 0,370	0,01 € 0,16 € 2,19 €	0,008€	
32 1 6n8 (X1) THT C85 AUX PS 1 2478385 0,354 £0,35 MKP-Y2-6N8 33 1 EECSSR5H105 THT C127 Arduino Shield 1 9697497 2,780 £2,78 EECSSR5H105 34 1 EEEFK1J101P SMD; Ø10 x 10.2mm C18 Power board 2 9696040 0,481 £0,96 EEEFK1J101P 35 1 EEEFK1J470P SMD; Ø6.3x5.8mm C16 Power board 2 9696032 0,603 £1,21 EEEFK1J470P 36 2 UPW1J150MED SMD; Ø6.3x5.8mm C106, C111 Arduino Shield 2 2326151 0,222 £0,44 UWT1H220MCL6GS 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 18 D17, D18 Arduino Shield 1 1621835 0,086 £0,09 BAT54S.215 <t< th=""><td>0,158 2,190 0,370 0,443</td><td>0,158 2,190 0,370</td><td>0,16 € 2,19 €</td><td></td><td></td></t<>	0,158 2,190 0,370 0,443	0,158 2,190 0,370	0,16 € 2,19 €		
33 1 EECSSR5H105 THT C127 Arduino Shield 1 9697497 2,780 £2,78 EECSSR5H105 34 1 EEEFK1J101P SMD; Ø10 x 10.2mm C18 Power board 2 9696040 0,481 £0,96 EEEFK1J101P 35 1 EEEFK1J470P SMD; Ø8x10.2mm C16 Power board 2 9696032 0,603 £1,21 EEEFK1J470P 36 2 UPW1J150MED SMD; Ø6.3x5.8mm C106, C111 Arduino Shield 2 2326151 0,222 £0,44 UWT1H220MCL6GS 37 1 BAS316 SOD-323 D21 AVX 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, D17, D18 Power board 18 10 D17, D18 24 8734275 0,140 £3,36 BAS316 38 1 BAT54S BAT54S D28 Arduino Shield 1 1621835 0,086 £0,09 BAT54S.215 39	2,190 0,370 0,443	2,190 0,370	2,19 €	0,158 €	
34 1 EEEFK1J101P SMD; Ø10 x 10.2mm C18 Power board 2 9696040 0,481 £0,96 EEEFK1J101P 35 1 EEEFK1J470P SMD; Ø8x10.2mm C16 Power board 2 9696032 0,603 £1,21 EEEFK1J470P 36 2 UPW1J150MED SMD; Ø6.3x5.8mm C106, C111 Arduino Shield 2 2326151 0,222 £0,44 UWT1H220MCL6GS 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, D17, D18 Power board 18 9 BAS316 SOD-323 D28 Arduino Shield 1 1621835 0,086 £0,09 BAT54S.215 38 1 DFLS1100-7 SOD-323 D19 AUX PS 1	0,370 0,443	0,370			1
34 1 EEEFK1J101P SMD; Ø10 x 10.2mm C18 Power board 2 9696040 0,481 £0,96 EEEFK1J101P 35 1 EEEFK1J470P SMD; Ø8x10.2mm C16 Power board 2 9696032 0,603 £1,21 EEEFK1J470P 36 2 UPW1J150MED SMD; Ø6.3x5.8mm C106, C111 Arduino Shield 2 2326151 0,222 £0,44 UWT1H220MCL6GS 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, D17, D18 Power board 18 9 BAS316 SOD-323 D28 Arduino Shield 1 1621835 0,086 £0,09 BAT54S.215 38 1 DFLS1100-7 SOD-323 D19 AUX PS 1	0,443			2,190 €	1
35 1 EEEFK1J470P SMD; Ø8x10.2mm C16 Power board 2 9696032 0,603 £1,21 EEEFK1J470P 36 2 UPW1J150MED SMD; Ø6.3x5.8mm C106, C111 Arduino Shield 2 2326151 0,222 £0,44 UWT1H220MCL6GS 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 D17, D18 D4 8734275 0,140 £3,36 BAS316 38 1 BAT54S BAT54S D28 Arduino Shield 1 1621835 0,086 £0,09 BAT54S.215 39 1 DFLS1100-7 SOD-323 D19 AUX PS 1	0,443		0,74 €	0,740 €	2
36 2 UPW1J150MED SMD; Ø6.3x5.8mm C106, C111 Arduino Shield 2 2326151 0,222 £0,44 UWT1H220MCL6GS 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 10 POWER board POWER board 18 24 8734275 0,140 £3,36 BAS316 38 1 BAT54S BAT54S D28 Arduino Shield 1 1621835 0,086 £0,09 BAT54S.215 39 1 DFLS1100-7 SOD-323 D19 AUX PS 1		0,770	0,89 €	0,885 €	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, D16, D17, D18 Power board 18 24 8734275 0,140 £3,36 BAS316 38 1 BAT54S BAT54S Arduino Shield 1 1621835 0,086 £0,09 BAT54S.215 39 1 DFLS1100-7 SOD-323 D19 AUX PS 1	0,088	0.000			
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 24 8734275 0,140 £3,36 BAS316 38 1 BAT54S BAT54S D28 Arduino Shield 1 1621835 0,086 £0,09 BAT54S.215 39 1 DFLS1100-7 SOD-323 D19 AUX PS 1		0,088	0,18 €	0,176 €	2
9 BAS316 SOD-323 D6, D11, D12, D13, D14, D15, D16, Power board D17, D18 24 8734275 0,140 £3,36 BAS316 38 1 BAT54S BAT54S D28 Arduino Shield 1 1621835 0,086 £0,09 BAT54S.215 39 1 DFLS1100-7 SOD-323 D19 AUX PS 1					
D17, D18 24 8734275 0,140 £3,36 BAS316 38 1 BAT54S BAT54S D28 Arduino Shield 1 1621835 0,086 £0,09 BAT54S.215 39 1 DFLS1100-7 SOD-323 D19 AUX PS 1					
D17, D18 24 8734275 0,140 £3,36 BAS316 38 1 BAT54S BAT54S D28 Arduino Shield 1 1621835 0,086 £0,09 BAT54S.215 39 1 DFLS1100-7 SOD-323 D19 AUX PS 1					
38 1 BAT54S BAT54S D28 Arduino Shield 1 1621835 0,086 £0,09 BAT54S.215 39 1 DFLS1100-7 SOD-323 D19 AUX PS 1					
38 1 BAT54S BAT54S D28 Arduino Shield 1 1621835 0,086 £0,09 BAT54S.215 39 1 DFLS1100-7 SOD-323 D19 AUX PS 1	0,019	0.010	0,44 €	0,444 €	24
39 1 DFLS1100-7 SOD-323 D19 AUX PS 1	0,013	0,013	0,44 6	0,444 C	24
39 1 DFLS1100-7 SOD-323 D19 AUX PS 1					
	0,017	0,017	0,02 €	0,017 €	1
2 DELS1100-7 SOD-323 D7 D10 Power board 4					
5 1713889 0.657 £3.29 -				3,924 €	5
112000 0,001 20,20				0,0210	J
40 4 00040					
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 8738025 0,146 £0,88 SKL16	0,019	0.019	0,11 €	0,111 €	6
41 1 SMBJ5.0A-TR DO-214AA D26 Arduino Shield 1 9886311 0,086 £0,09 SMBJ5.0A-TR	0,094	0.004	0,09 €	0,094 €	1
	0,034	0,094	0,09 €		
42 1 STPS15H100 TO-252 D5 Power board 2 2344052 0,549 £1,10 -				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	0.027	0.027	0.22 €	0.215 €	Ω
	0,027	0,027	0,22 €	0,215€	8
1 60R@100MHz 0603 FB7 Arduino Shield 1 8 1635704 0,171 £1,37 LCBA-600	0,027	0,027	0,22 €		
1 60R@100MHz 0603 FB7 Arduino Shield 1 8 1635704 0,171 £1,37 LCBA-600 44 1 LTC3864EMSE#PBF MSOP-12 IC1 Power board 2 2293128 3,380 £6,76 -	0,027	0,027	0,22 €	8,075 €	2
1 60R@100MHz 0603 FB7 Arduino Shield 1 8 1635704 0,171 £1,37 LCBA-600	0,027	0,027	0,22 €		
1 60R@100MHz 0603 FB7 Arduino Shield 1 8 1635704 0,171 £1,37 LCBA-600 44 1 LTC3864EMSE#PBF MSOP-12 IC1 Power board 2 2293128 3,380 £6,76 - 45 1 REF5025AIDG4 SOIC-8 IC10 Power board 2 1439622 2,400 £4,80 -	0,027	0,027	0,22 €	8,075 € 5,734 €	2 2
1 60R@100MHz 0603 FB7 Arduino Shield 1 8 1635704 0,171 £1,37 LCBA-600 44 1 LTC3864EMSE#PBF MSOP-12 IC1 Power board 2 2293128 3,380 £6,76 - 45 1 REF5025AIDG4 SOIC-8 IC10 Power board 2 1439622 2,400 £4,80 - 46 1 DAC8552IDGKTG4 SOP-8 IC11 Power board 2 1329584 5,950 £11,90 -	0,027	0,027	0,22 €	8,075 € 5,734 € 14,215 €	2 2 2
1 60R@100MHz 0603 FB7 Arduino Shield 1 44 1 LTC3864EMSE#PBF MSOP-12 IC1 Power board 2 2293128 3,380 £6,76 - 45 1 REF5025AIDG4 SOIC-8 IC10 Power board 2 1439622 2,400 £4,80 - 46 1 DAC8552IDGKTG4 SOP-8 IC11 Power board 2 1329584 5,950 £11,90 - 47 1 ADG465SOT-23 SOT-23 IC12 Power board 2 2376952 1,330 £2,66 -	0,027	0,027	0,22€	8,075 € 5,734 € 14,215 € 3,178 €	2 2 2 2
1 60R@100MHz 0603 FB7 Arduino Shield 1 44 1 LTC3864EMSE#PBF MSOP-12 IC1 Power board 2 2293128 3,380 £6,76 - 45 1 REF5025AIDG4 SOIC-8 IC10 Power board 2 1439622 2,400 £4,80 - 46 1 DAC8552IDGKTG4 SOP-8 IC11 Power board 2 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 1755582 0,765 £1,53 -	0,027	0,027	0,22€	8,075 € 5,734 € 14,215 € 3,178 € 1,828 €	2 2 2 2 2
1 60R@100MHz 0603 FB7 Arduino Shield 1 8 1635704 0,171 £1,37 LCBA-600 44 1 LTC3864EMSE#PBF MSOP-12 IC1 Power board 2 2293128 3,380 £6,76 - 45 1 REF5025AIDG4 SOIC-8 IC10 Power board 2 1439622 2,400 £4,80 - 46 1 DAC8552IDGKTG4 SOP-8 IC11 Power board 2 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 1755582 0,765 £1,53 - 49 1 ADS1120IPWR TSSOP-16 IC14 Power board 2 2402249 6,430 £12,86 -	·			8,075 € 5,734 € 14,215 € 3,178 € 1,828 € 15,362 €	2 2 2 2 2 2
1 60R@100MHz 0603 FB7 Arduino Shield 1 44 1 LTC3864EMSE#PBF MSOP-12 IC1 Power board 2 2293128 3,380 £6,76 - 45 1 REF5025AIDG4 SOIC-8 IC10 Power board 2 1439622 2,400 £4,80 - 46 1 DAC8552IDGKTG4 SOP-8 IC11 Power board 2 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 1755582 0,765 £1,53 -	0,027		0,22 € 0,56 €	8,075 € 5,734 € 14,215 € 3,178 € 1,828 €	2 2 2 2 2
1 60R@100MHz 0603 FB7 Arduino Shield 1 8 1635704 0,171 £1,37 LCBA-600 44 1 LTC3864EMSE#PBF MSOP-12 IC1 Power board 2 2293128 3,380 £6,76 - 45 1 REF5025AIDG4 SOIC-8 IC10 Power board 2 1439622 2,400 £4,80 - 46 1 DAC8552IDGKTG4 SOP-8 IC11 Power board 2 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 1755582 0,765 £1,53 - 49 1 ADS1120IPWR TSSOP-16 IC14 Power board 2 2402249 6,430 £12,86 -	·			8,075 € 5,734 € 14,215 € 3,178 € 1,828 € 15,362 €	2 2 2 2 2 2
1 60R@100MHz 0603 FB7 Arduino Shield 1 44 1 LTC3864EMSE#PBF MSOP-12 IC1 Power board 2 2293128 3,380 £6,76 - 45 1 REF5025AIDG4 SOIC-8 IC10 Power board 2 1439622 2,400 £4,80 - 46 1 DAC8552IDGKTG4 SOP-8 IC11 Power board 2 1329584 5,950 £11,90 - 47 1 ADG465SOT-23 SOT-23 IC12 Power board 2 2376952 1,330 £2,66 - 48 1 TSSA9411DCKT SC-70 IC13 Power board 2 1755582 0,765 £1,53 - 49 1 ADS1120IPWR TSSOP-16 IC14 Power board 2 2402249 6,430 £12,86 - 50 1 LP339D SOIC-14 IC15 Power board 2 9589686 0,357 £0,71 LP339D 51 1 LM25575MH/NOPB HTSSOP-16 IC16 A	0,278	0,278	0,56 €	8,075 € 5,734 € 14,215 € 3,178 € 1,828 € 15,362 € 0,556 € 3,847 €	2 2 2 2 2 2 2 2 2
44 1 LTC3864EMSE#PBF MSOP-12 IC1 Power board 2 2293128 3,380 £6,76 - 45 1 REF5025AIDG4 SOIC-8 IC10 Power board 2 1439622 2,400 £4,80 - 46 1 DAC8552IDGKTG4 SOP-8 IC11 Power board 2 1329584 5,950 £11,90 - 47 1 ADG465SOT-23 SOT-23 IC12 Power board 2 2376952 1,330 £2,66 - 48 1 TSSA9411DCKT SC-70 IC13 Power board 2 2402249 6,430 £1,53 - 49 1 ADS1120IPWR TSSOP-16 IC14 Power board 2 2402249 6,430 £12,86 - 50 1 LP339D SOIC-14 IC15 Power board 2 9589686 0,357 £0,71 LP339D 51 1 LM25575MH/NOPB HTSSOP-16 IC16 AUX PS 1 1564783 3,220 £3,22 - 52	·	0,278		8,075 € 5,734 € 14,215 € 3,178 € 1,828 € 15,362 € 0,556 € 3,847 € 0,310 €	2 2 2 2 2 2 2 2 2 1
1 60R@100MHz 0603 FB7 Arduino Shield 1 8 1635704 0,171 £1,37 LCBA-600 44 1 LTC3864EMSE#PBF MSOP-12 IC1 Power board 2 2293128 3,380 £6,76 - 45 1 REF-5025AIDG4 SOIC-8 IC10 Power board 2 1439622 2,400 £4,80 - 46 1 DAC8552IDGKTG4 SOP-8 IC11 Power board 2 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 275582 0,765 £1,53 - 49 1 ADS1120IPWR TSSOP-16 IC14 Power board 2 2402249 6,430 £12,86 - 50 1 LP339D SOIC-14 IC15 Power board 2 9589686 0,357 £0,71 LP339D 51 1 LM25575MH/NOPB HTSSOP-16 IC16 AUX PS 1 1564783 3,220 £3,22 - 52 1 MC79L05 SOIC-8 IC2 Power board 2 2323583 0,249 £0,50 MC79L05ACD 53 1 TLC5925IDBQR SSOP-24 IC20 Arduino Shield 1 1694438 1,010 £1,01 -	0,278	0,278	0,56 €	8,075 € 5,734 € 14,215 € 3,178 € 1,828 € 15,362 € 0,556 € 3,847 € 0,310 € 1,207 €	2 2 2 2 2 2 2 2 1 2
1 60R@100MHz 0603 FB7 Arduino Shield 1 8 1635704 0,171 £1,37 LCBA-600 44 1 LTC3864EMSE#PBF MSOP-12 IC1 Power board 2 2293128 3,380 £6,76 - 45 1 REF5025AIDG4 SOIC-8 IC10 Power board 2 1439622 2,400 £4,80 - 46 1 DAC8552IDGKTG4 SOP-8 IC11 Power board 2 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 1755582 0,765 £1,53 - 49 1 ADS1120IPWR TSSOP-16 IC14 Power board 2 2402249 6,430 £12,86 - 50 1 LP339D SOIC-14 IC15 Power board 2 9589686 0,357 £0,71 LP339D 51 1 LM25575MH/NOPB HTSSOP-16 IC16 AUX PS 1 1564783 3,220 £3,22 - 50 1 LP3595IDBQR SOIC-8 IC2 Power board 2 2323583 0,249 £0,50 MC79L05ACD 53 1 TLC5925IDBQR SSOP-24 IC20 Arduino Shield 1 1694438 1,010 £1,01 - 54 2 Si8641EC-B-IS1 SOIC-16 IC21, IC24 Arduino Shield 2 2423294 2,870 £5,74 -	0,278	0,278	0,56 €	8,075 € 5,734 € 14,215 € 3,178 € 1,828 € 15,362 € 0,556 € 3,847 € 0,310 € 1,207 € 6,857 €	2 2 2 2 2 2 2 2 1 2 1 2
1 60R@100MHz 0603 FB7 Arduino Shield 1 8 1635704 0,171 £1,37 LCBA-600 44 1 LTC3864EMSE#PBF MSOP-12 IC1 Power board 2 2293128 3,380 £6,76 - 45 1 REF-5025AIDG4 SOIC-8 IC10 Power board 2 1439622 2,400 £4,80 - 46 1 DAC8552IDGKTG4 SOP-8 IC11 Power board 2 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 275582 0,765 £1,53 - 49 1 ADS1120IPWR TSSOP-16 IC14 Power board 2 2402249 6,430 £12,86 - 50 1 LP339D SOIC-14 IC15 Power board 2 9589686 0,357 £0,71 LP339D 51 1 LM25575MH/NOPB HTSSOP-16 IC16 AUX PS 1 1564783 3,220 £3,22 - 52 1 MC79L05 SOIC-8 IC2 Power board 2 2323583 0,249 £0,50 MC79L05ACD 53 1 TLC5925IDBQR SSOP-24 IC20 Arduino Shield 1 1694438 1,010 £1,01 -	0,278	0,278 0,155	0,56 €	8,075 € 5,734 € 14,215 € 3,178 € 1,828 € 15,362 € 0,556 € 3,847 € 0,310 € 1,207 €	2 2 2 2 2 2 2 2 1 2

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57	1	PCA21125T/Q900/1,1	TSSOP-14	IC26	Arduino Shield	1	2400445	1,380	£1,38	-			1,649 €	1	
58	1	AT25256B	SOIC-8	IC27	Arduino Shield	1	1841577	0,905	£0,91	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	9593845	0,357	£0,71	MC78L05ABDG	0,165	0,33 €	0,330 €	2	
61	1	BC857BS	SOT-363	IC29	Arduino Shield	1	1653608	0,108	£0,11	BC857BS	0,027	0,03 €	0,027 €	1	
62	1	TLC555	SOIC-8	IC30	Arduino Shield	1	9589880	0,240	£0,24	TLC555CDR	0,365	0,37 €	0,287 €	1	
63	1	SN74LVC2G08DCTR	SSOP-8	IC31	Arduino Shield	1	1470871	0,314	£0,31	-			0,375€	1	
64	1	TPS3705-33D	SOIC-8	IC32	Arduino Shield	1		0,812		-			0,970 €	1	
65	1	SN74LV1T34DBVR	SOT-23	IC33	Arduino Shield	1		0,334	£0,33	-			0,399€	1	
66		SN74LVC2G02DCTR	SSOP-8	IC34	Arduino Shield		1236358	0,360	£0,36	SN74LVC2G02DCTR	0,024	0,02 €	0,024 €	1	
67		LM5574	TSSOP-16	IC4	Power board	2		2,880	£5,76	LM5574MT	4,170	8,34 €	6,881 €	2	
68		LP2951SO8	SOIC-8	IC5	Power board		1755066	0,579	£1,16	LP2951CM/NOPB	0,508	1,02 €	1,016 €	2	
69		TL072D	SOIC-8	IC6, IC7	Power board		1467663	0,113	£0,45	TL072CD	0,164	0,66 €	0,540 €	4	
70		OP27GSZ	SOIC-8	IC8	Power board		9426124	2,020	£4,04	OP27GSZ	1,550	3,10 €	3,100 €	2	
71	1	MCP23S08-E/SO	SOIC-18	IC9	Power board	2		0,866	£1,73	MCP23S08-E/SO	1,070	2,14 €	2,069 €	2	
		RT424005	THT	K PAR, K SER	Arduino Shield	2	9950168	2,430	£1,73	RT424005	1,260	2,14 €	2,520 €		
72	2			_ / _											
73		G6K-2F-5DC	SMD, relay	K_S1, K_S2	Arduino Shield	2	4446185	2,810	£5,62	G6K-2F-5DC	2,490	4,98 €	4,980 €	2	
74		SK 145/37,5	THT	KK1	AUX PS		4621414	1,600		-	1 000	2.64.0	1,911 €		
75 76	1	RN114-4/02	THT, solder on bottom layer!	L1	Power board	2	1191484	2,180	£4,36	CAF-3.1-1.2	1,820	3,64 €	3,640 €		
76		470u	SMD; 7.3mm x 7.3mm	L10	AUX PS		2455059	0,706	£0,71	DE0704-470	0,218	0,22 €	0,218 €	1	
77	1	7443551331	SMD; 13.2mm x 12.8mm	L2	Power board	2	2211631	2,560	£5,12	-			6,116 €	2	
78		IHLP2020CZER3R3M11	SMD; 5.49mm x 5.18mm	L3, L4	Power board		1741325	1,100	£4,40	-			5,256 €	4	
79	3	2u2	1210	L5, L6, L7	Power board	6									
	1	2u2	1210	L8	AUX PS	1									
						7	2470305	0,205	£1,44	DLJ3015-2.2	0,275	1,92 €	1,714 €	7	
80	1	100uH	SMD, 12mm x 12mm	L9	AUX PS	1		0,735	£0,74	DE1205-100	0,336	0,34 €	0,336 €	1	
81		TFT_320QVT	THT; 2x20-pin socket	LCD1	Arduino Shield	1	7992033	2,040	£2,04	ZL262-40DG	0,322	0,32 €	0,022 0	1	
82	2		0805	LED_O1, LED_O2	Arduino Shield	2	5790852	0,147	£0,29	HSMG-C170	0,095	0,19 €	0,190 €	2	
83	5	HSMH-C170	0805	LED_CC1, LED_CC2, LED_PROG1,	Arduino Shield	5	5790840	0,144	£0,72	HSMH-C170	0,056	0,28 €	0,280 €	5	
				LED_PROG2, LED_SP			======	0.4=0	00.4=		0.050		0.050.6		
84		HSMR-C170	0805	LED_PWR	Arduino Shield	1	5790864	0,172	£0,17	HSMD-C170	0,059	0,06 €	0,059€	1	
85	4	HSMY-C170	0805	LED_CV1, LED_CV2, LED_S1,	Arduino Shield	4									
	1	LICANY C170	0005	LED_S2	Dames has and	_									
		HSMY-C170	0805	LED1	Power board	2	E700076	0.144	CO 06	LICALY C170	0.060	0.26.6	0.260.6	c	
						6	5790876	0,144	£0,86	HSMY-C170	0,060	0,36 €	0,360 €	6	
-00		401/10 - 1 - 05701/	0005	NTO	D l		4040000	0.004	00.50	NTOCOCCETOACOANT	0.400	0.00.0	0.000.6	0	
86	1	10K/Beta:3570K	0805	NTC1	Power board		1612623	0,264	£0,53	NTCS0805E3103JMT	0,190	0,38 €	0,380 €	2	
87	1	MOC3052	SMD; SDIP-6	OK1	AUX PS	1	2453236	0,655	£0,66	MOC3052SR2VM	0,380	0,38 €	0,380 €	1	
88		MOC3062	SMD; SDIP-6	OK2	AUX PS		2322554	0,537	£0,54	MOC3062XSM	0,420	0,42 €	0,420 €	1	
89		HCPL-181	SOIC-4	OK3	Arduino Shield	1		0,255	£0,26	HCPL-181-000E	0,250	0,25 €	0,250 €	1	
90		SUD19P06-60	TO-252	Q1	Power board		2101465	1,470	£2,94	-	0.000	0.60.0	3,512 €	2	
91	5	MMBT5551	SOT-23	Q12, Q13, Q16, Q18, Q19	Power board		1459109	0,127	£1,27	MMBT5551	0,020	0,20 €	0,204 €	10	
92		BSS84P	SOT-23	Q14	Power board		1056526	0,085	£0,17	BSS84P	0,048	0,10 €	0,096 €	2	
93	4	MMBT5401	SOT-23	Q2, Q10, Q11, Q17	Power board	8	1459108	0,121	£0,97	MMBT5401	0,021	0,16 €	0,164 €	8	
94		BTA26-600	THT	Q20, Q21	AUX PS		1057286	2,070	£4,14	BTA26-600BRG	2,540	5,08 €	4,946 €		
95	1	IRLL014N	SOT-232	Q22	AUX PS	1	8651183	0,392	£0,39	IRLL014NPBF	0,214	0,21 €	0,214 €	1	
96		IRLML2246TRPBF	SOT-23	Q23, Q24, Q25, Q26, Q28	Arduino Shield	5	1888166	0,212	£1,06	IRLML2246TRPBF	0,100	0,50 €	0,500 €	5	
97		2N7002	SOT-23	Q27, Q29, Q30	Arduino Shield	3									
	2	2N7002	SOT-23	Q3, Q15	Power board	4									
						7	1713823	0,093	£0,65	2N7002LT1G	0,019	0,13 €	0,133 €	7	
98		IRFP250N	THT, solder on bottom layer!	Q4	Power board		8649260	1,510	£3,02	IRFP250NPBF	1,060	2,12 €	2,120 €		
		BC857C	SOT-23	Q5	Power board		8734771	0,018	£0,04	BC857C-DIO	0,020	0,04 €	0,040 €	2	
		BC846C	SOT-23	Q6	Power board	2		0,040	£0,08	BC846C-DIO	0,002	0,00 €	0,004 €	2	
		BCP56-16.115	SOT-223	Q7, Q9	Power board		1081258	0,187	£0,75		0,106	0,42 €	0,424 €	4	
		IRFR5410	TO-252	Q8	Power board	2	2468040	0,846	£1,69	IRFR5410PBF	0,550	1,10 €	1,100 €	2	
103			0805	R3, R21, R57	Power board	6									
	2	0R	0805	JP1, JP2	Power board	4									

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	5 0	OR .	0805	JP4, JP5, JP6, JP7, JP8	Arduino Shield	5								
						15 9	9233750	0,007	£0,11	SMD0805-0R	0,058	0,87 €	0,127€	15
104	4 1	100K	0805	R11, R14, R77, R79	Power board	8								
	2 1		0805	R143, R154	Arduino Shield	2								
		20010	0000	111-0, 1110-1	7 traditio Officia		2352619	0,063	£0.63	SMD0805-100K-1%	0,008	0,08 €	0,081 €	10
						10 2	-002010	0,000	20,00	SWID0003 100K 170	0,000	0,00 0	0,001 C	10
105	2 1	100K	0905 0 104	R49, R59	Power board	4 1	1577686	0,197	£0.70	RN73C2A100KBTDF	0,513	2,05 €	0,941€	4
			0805, 0.1%				1377000	0,197	20,19	KN73C2A100KB1DF	0,313	2,03 €	0,941 €	4
106			0805	R127	AUX PS	1								
	1 1		0805	R164	Arduino Shield	1								
	3 1	100R	0805	R5, R6, R43	Power board	6	=====		00.00			0.05.0	0.070.6	
						8 1	L759246	0,011	£0,09	RC0805FR-07100R	0,007	0,05 €	0,053 €	8
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107			0805	R124, R125, R131	AUX PS	3								
	5 1		0805	R147, R153, R157, R170, R172	Arduino Shield	5								
	16 1	10K	0805	R9, R10, R22, R23, R29, R45, R52,	Power board	32								
				R54, R61, R75, R76, R78, R86, R98,										
				R99, R106										
						40 9	9237755	0,009	£0,36	RC0805FR-0710K	0,007	0,27 €	0,266 €	40
108	1 1	10R	1206	R120	AUX PS	1								
	1 1	10R	1206	R151	Arduino Shield	1								
	3 1	10R	1206	R8, R18, R85	Power board	6								
						8 9	9236643	0,013	£0,11	CRCW120610R0FKTABC	0,014	0,11 €	0,110 €	8
109	1 1	12K4	0805	R152	Arduino Shield	1 2	2141850	0,002	£0,00	-			0,002€	1
110	1 2	22R/7W	THT	R107	AUX PS		L687978	0,272	£0,27				0,325€ 1	
111			0805	R118, R123	AUX PS	2		-,	,				.,.	
	2 1		0805	R25, R36	Power board	4								
		20.1		1120,1100	. ottor board		9332677	0,016	£0.10	SMD0805-16K-1%	0,008	0,05 €	0,049€	6
						•	7552011	0,010	20,10	SWID0003 10K 170	0,000	0,03 0	0,043 C	
112	4 1	190D	0805	R142, R155, R156, R158	Arduino Shield	4 2	2447583	0,005	£0.03	SMD0805-180R-1%	0,008	0,03 €	0,024 €	4
113	2 1		0805, <mark>0.1%</mark>	R63, R73	Power board		L577596	0,003	£0,02		0,008	0,03 €	0,024 €	4
			,				1377390	0,143	£0,57	-			0,065 €	4
114			0805	R129	AUX PS	1								
	2 1		0805	R167, R168	Arduino Shield	2								
	6 1	IK	0805	R4, R33, R41, R74, R82, R95	Power board	12	1000000	0.000	00.44	D000055D 0741/	0.007	0.40.0	0.000.6	4.5
						15 1	1099800	0,009	£0,14	RC0805FR-071K	0,007	0,10 €	0,099 €	15
						_								
115			0805	R126	AUX PS	1								
	2 1		0805	R28, R56	Power board	4								
	2 1	1K8	0805	R138, R159	Arduino Shield	2								
						7 2	2447595	0,005	£0,03	SMD0805-1K8-1%	0,008	0,06 €	0,041 €	7
116	2 1	1R	0805	R136, R140	Arduino Shield	2 2	2141629	0,017	£0,03	RC0805FR-071R	0,009	0,02 €	0,019€	2
117	2 2	20K	0805, 0.1%	R50, R60	Power board	4 1	L575937	0,393	£1,57	TC0525B2002T1E	0,108	0,43 €	0,431 €	4
118	9 2	220R	0805	R38, R39, R42, R48, R58, R80, R81,	Power board	18								
				R83, R84										
	2 2	220R	0805	R114, R117	AUX PS	2								
						20 1	1099795	0,012	£0,25	RC0805FR-07220R	0,007	0,14 €	0,143€	20
119	4 2	2K2	0805	R110, R111, R119, R12	AUX PS	4								
	11 2		0805	R17, R32, R34, R35, R37, R46, R62,	Power board	22								
				R65, R68, R94, R96										
						26 9	9237534	0,009	£0,23	SMD0805-2K2-1%	0,008	0,21 €	0,210€	26
								· .		- -				
120	2 2	2K37	0805, <mark>0.1%</mark>	R64, R72	Power board	4 1	L575834	0,343	£1,37	-			1,639 €	4
		2R2/2W	2512	R31	Power board		1376975	0,353		WF25P-2R2-5%	0,042	0,08 €	0,084 €	2
122			0805	R12	Power board		9333070	0,002		RC0805FR-07330K	0,042	0,00 €	0,004 €	2
123			0805	R87, R105	Power board		9333070	0,002		RC0805FR-07330R	0,007	0,01 €	0,004 €	4
123	2 3	Jourt	0003	Nor, R103	i uwei buaiu	4 8	7000001	0,002	£0,01	NCCOUSER-U133UR	0,007	0,03 €	0,000 €	4

R144, R145, R169, R171 R157, R97					ojeot source code c	ac meq	os.,, gittiab.com, ccz o	DOM							
23 25 25 25 25 25 25 25	124	4 330R/2W	2512	R108, R109, R112, R115	AUX PS	4	1265196	0,106	£0,42	WF25P-330R-5%	0,042	0,17 €	0,168 €	4	
24 14 15 16 16 16 16 16 16 16	125	3 470R												6	
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1		7 47K	0805	R7, R10, R19, R89, R90, R91, R103	Power board		0447004	0.005	00.00	D000055D 0747V	0.007	0.10.0	0.400.6	1-	,
2 4999 0905						17	2447004	0,005	£0,08	RC0805FR-0747K	0,007	0,12 €	0,100 €	17	
2 4999 9095 R13, R116, AIX PS 2 1 1 1 1 1 1 1 1 1															
12 12 13 14 15 15 15 15 15 15 15															
2		2 49R9	0805	R113, R116,	AUX PS	2									
Power board						6	2141727	0,016	£0,10	RC0805FR-0749R9	0,007	0,04 €	0,043 €	6	
Power board															
2 447 6905 715, 767 72 72 73 73 73 73 73 7	128	9 4K7	0805	R134, R135, R137, R139, R141,	Arduino Shield	9									
13 13 13 13 14 15 15 15 15 15 15 15				R144, R145, R169, R171											
22 2 SIK 0805 624, R51 Power board 4 S3349S3 0.011 £ 0.04 RC08DSFR-0751K 0.005 0.02 0.024 4 1.075 8 1.075 2 1.075 8 1.075 2 1.075 8 1.075 2 1.075 8 1.075 2 1.075 8 1.075 2 1.075 8 1.075 2 1.075 1.075 8 1.075		2 4K7	0805	R15, R97	Power board	4									
22 2 SIK GBUS R24, R51 Power board 4 S334853 O.11 E.0.4 RC0805FR-075IK O.005 O.02 C.0.24 A C.0.24 A C.0.25 C.0.25 C.0.						13	9333266	0.016	£0,21	RC0805FR-074K7	0,006	0,08 €	0,084 €	13	j
130 4 SIR 0005, 0134 R6, R67, R70, R71 Power board 8 1670/10 0.007 1.66 C C C C C C C C C								.,.	,		-,	.,	.,		
130 4 SIR 0005, 01346 R65, R67, R70, R71 Power board 8 1670210 0,207 1,86 - 1,876 8 1	129	2 51K	0805	R24 R51	Power hoard	4	933/653	0.011	£0.04	PC0805ER-0751K	0.006	0.02 €	0.024 €	1	
134 1 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5								,			0,000	0,02 0			
2 Shi							1010210	0,201	۵۱,00				1,370 €	0	
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13						8	9333320	0,016	£0,13	RC0805FR-075K1	0,007	0,05 €	0,052€	8	
A Second Second															
133 5 750R	132	2 5K6	0805	R121, R130											
13 5 750R		4 5K6	0805	R26, R92, R102, R104	Power board	8									
Part						10	2447693	0,005	£0,05	SMD0805-5K6-1%	0,008	0,08 €	0,059€	10	i
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12 12 13 15 15 16 16 16 16 16 16															
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15 ROLOW Power board 2 1435947 0.386 E.O.77 WW.SERROLOFTL 0.189 0.38 0.378 2 2 2 2 2 2 2 2 2						12	3000023	0,010	20,10	CITCW0003730ITI RIABC	0,012	0,14 0		12	7
15 R010/2W	124	2 7/5	0905 0 106	D44 D55	Dower board	1	1670220	0.206	EU 83	DN72C2A7KEDTDE	0.475	1 00 £	0.084 6	1	
136 1 ROZO/ZW 2512, ZW R69 Power board 2 2079436 0.156 E0.31 WZSNROZOFTL 0.189 0.88 1.25 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			,												
137 1 R080/3W 2512, 3W R30 Power board 2 1435951 0.524 £1.05 - 1252															
138 2 4.10K 1206; resistor array RNI, RN2 Arduino Shield 2 1770137 0,088 £0,18 PR1206-10K-4/8 0,007 0,01 € 0,013 € 2 139 1 LD-BZEN-0903 THT SP1 Arduino Shield 1 2292959 1,960 £1,96											0,189	0,38 €			
139 1 U-BZEN-0903 THT SP1 Arduino Shield 1 - U-BZEN-0903 0,508 0,51 € 0,508 € 1 140 1 A101SYCQ04 THT SW1 Arduino Shield 1 1217765 0,510 € 1,96 - 2,41 € 1 141 1 1301.9316 SM0; tactile switch SW2 Arduino Shield 1 1217765 0,510 € 0,51 1301.9316 0,220 0,22 € 0,220 € 1 142 1 SRF0703-821M SM0; 7,6mm x 7,6mm TR1 Power board 2 1852832 0,608 € 1,22 - 1,453 € 1 143 1 YR-Z14-005-112 THT TR2 AUX PS 1 2401.04 6,490 € 6,49 - 1,453 € 1 144 1 393.03035 THT X1 Power board 2 9963545 0,568 € 1,14 MX-5569-03A4 0,476 0,95 € 0,95 € 0,95 € 0 145 1 241-01 THT, solder on bottom layer! X11 AUX PS 1 1 177884 0,841 € 0,84 € 2411-01 0,660 0,66 € 0,660 € 1 146 1 MC000006 THT, solder on bottom layer! X12 Arduino Shield 1 2007972 1,530 € 1,53 - 1 147 2 TSW-113-077-D THT X13, X15 Arduino Shield 1 2007972 1,530 € 1,53 - 1 148 1 MC000005 THT, solder on bottom layer! X14 Arduino Shield 1 2007971 1,190 € 1,19 - 1,422 € 1 149 1 2-23-2021 THT X18 Arduino Shield 1 1 462926 0,040 € 0,40															
140 1 A 10.15YCQ04 THT SWI Arduino Shield 1 2.92959 1.960 € 1.96 - - 2.341 € 1 141 1 10.10.19316 SMD; tactile switch SW2 Arduino Shield 1 2.17765 0.510 € 0.51 13.01.9316 0.220 0.22 € 0.220 € 0.220 0.22 € 0.220 € 1 142 1 SMD; 7.6mm x 7.6mm TR1 Power board 2 1852832 0.608 £ 1.22 - - 1.458 € 2 143 1 VTX-214-005-112 THT TR2 AUX PS 1 2401044 6.490 £ 6.9 - - 7.753 € 1 145 1 2411-01 THT, solder on bottom layer! X1 AUX PS 1 1177884 0.841 £ 0.94 2411-01 0.660 0.66 €			1206; resistor array					0,088	£0,18		,				
141 1 1301.9316 SMD; tactile switch SW2 Arduino Shield 1 1217765 0,510 £0,51 1301.9316 0,220 0,22 € 0,220 € 1,23 € 1 142 2 1 SMD; 7,6mm X 7,6mm TR1 Power board 2 1852832 0,608 £1,22 - - 1,453 € 2 144 3 1 240104 6,490 £6,49 - - 7,753 € 1 145 1 23030355 THT X1 Power board 2 9963545 0,568 £1,14 MX-5569-03A4 0,476 0,95 € 0,952 € 0,952 € 2 146 1 MC000006 THT, solder on bottom layer! X11 AVIX PS 1 177884 0,841 € £0,84 241-101 0,660 0,66 € 0,952 € 2 147 2 TSW-113-07F-D THT X13, X15 Arduino Shield 1 2007972 1,530 £1,53 - - 1,422 € 1 148 1 CO000000 THT, solder on bottom layer!	139	1 LD-BZEN-0903	THT	SP1	Arduino Shield	1	-			LD-BZEN-0903	0,508	0,51 €	0,508 €	1	
142 1 SKPO703-821M SMD; 7.6mm x 7.6mm TR1 Power board 2 185832 0,608 £1,22 - 14,53 € 2 143 1 VTX-214-005-112 THT TR2 AUX PS 1 2401044 6,490 £6,49 - 4,75569-03A4 0,476 0,95 € 0,955 € 2 146 1 2411-01 THT, solder on bottom layer! X11 AUX PS 1 117884 0,841 £0,84 2411-01 0,660 0,66 € 0,660 € 0,660 € 1 146 1 2411-01 THT, solder on bottom layer! X11 AUX PS 1 117884 0,841 £0,40 2411-01 0,660 0,66 € 0,660 € 0,600 € 0,660 € 0,600 € 0,600 € 0,600 € 0,600 € 0,600 € 0,6	140	1 A101SYCQ04	THT	SW1	Arduino Shield	1	2292959	1,960	£1,96	-			2,341 €	1	
143 1 VTX-214-005-112 THT TR2 AUX PS 1 2401044 6,490 £6,49 -	141	1 1301.9316	SMD; tactile switch	SW2	Arduino Shield	1	1217765	0,510	£0,51	1301.9316	0,220	0,22 €	0,220€	1	
143 1 VTX-214-005-112 THT TR2 AUX PS 1 2401044 6,490 £6,49 -	142	1 SRF0703-821M	SMD: 7.6mm x 7.6mm	TR1	Power board	2	1852832	0.608	£1.22	-			1.453 €	2	
144 1 39303035 THT X1 Power board 2 9963545 0,568 £1,14 MX-5569-03A4 0,476 0,95 € 0,952 € 2 145 1 2411-01 THT, solder on bottom layer! X11 AUX PS 1 1177884 0,841 £0,84 £1-10 0,660 0,66 € 0,60 € 1,828 € 1 147 2 TSW-113-07-F-D THT X13 X15 Arduino Shield 1 2005182 1,640 £3,28 € - - 1,422 € 1 1,422 € 1 150 1 MC3-753 THT X18 Arduino Shield															
145 1 2411-01 THT, solder on bottom layer! X11 AUX PS 1 1177884 0,841 €0,84 2411-01 0,660 0,66 € 0,660 € 1 146 1 MC000006 THT, solder on bottom layer! X12 Arduino Shield 1 2007972 1,530 €1,53 - 3,916 € 2 148 1 MC000005 THT, solder on bottom layer! X14 Arduino Shield 1 2007971 1,190 £1,19 - 1,422 € 1 149 1 22-23-2021 THT X17 Arduino Shield 1 1462926 0,040 £0,04 MX-22-23-2021 0,070 0,07 € 0,048 € 1 150 1 MC34753 THT X18 Arduino Shield 1 1462926 0,040 £0,04 MX-22-23-2021 0,070 0,07 € 0,048 € 1 151 1 22-23-2041 THT X19 Arduino Shield 1 1462920 0,130 £0,13 MX-22-23-2041 0,106 € 0,11 € 0,106 € 1 152											0.476	0.95 €			
146 1 MC000006 THT, solder on bottom layer! X12 Arduino Shield 1 207972 1,530 £1,53 - 1,828 € 1 147 2 TSW-113-07-F-D THT X13, X15 Arduino Shield 1 2025182 1,640 £3,28 - 3,918 € 2 149 1 22-23-2021 THT X14 Arduino Shield 1 2007971 1,190 £1,19 - 1,422 € 1 150 1 MC34753 THT X18 Arduino Shield 1 146926 0,040 £0,04 MX-22-23-2021 0,070 0,07 € 0,048 € 1 151 1 22-23-2041 THT X18 Arduino Shield 1 14593431 0,331 £0,33 - - 0,048 € 1 151 1 22-23-2041 THT X19 Arduino Shield 1 14593431 0,331 £0,33 - - 0,068 € 0,06 € 0,06 € 0,08 € 0,799 € 2 153 153 139303055 THT X4 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>															
147 2 TSW-113-07-F-D THT X13, X15 Arduino Shield 2 2025182 1,640 £3,28 - 3,918 € 2 148 1 MC000005 THT, solder on bottom layer! X14 Arduino Shield 1 2007971 1,190 £1,19 - - 1,422 € 1 150 1 22-23-2021 THT X17 Arduino Shield 1 1462926 0,040 MX-22-23-2021 0,070 0,07 € 0,048 € 1 151 1 22-23-2041 THT X18 Arduino Shield 1 1462920 0,130 £0,13 MX-22-23-2041 0,106 0,11 € 0,066 € 1 152 1 SSW-113-02-TD-RA THT X3 Power board 2 1805583 4,170 £8,34 Z1263-26DG 0,399 0,80 € 0,799 € 2 153 1 39303055 THT X4 AUX PS 1 9963561 0,374 £0,37 - - 0,447 € 1 154 1 9185067324 THT X16 <td></td> <td>0,000</td> <td>0,00 €</td> <td></td> <td></td> <td></td>											0,000	0,00 €			
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149 1 2-2-3-2021 THT X17 Arduino Shield 1 1462926 0,040 £0,04 MX-22-23-2021 0,070 0,07 € 0,048 € 1 150 1 MC34753 THT X18 Arduino Shield 1 1593431 0,331 £0,33 - - 0,046 € 0,048 € 1 152 2 22-23-2041 THT X19 Arduino Shield 1 1462920 0,130 £0,13 MX-22-23-2041 0,106 0,11 € 0,046 € 1 152 1 22-23-2041 THT X19 Arduino Shield 1 1462920 0,130 £0,13 MX-22-23-2041 0,106 0,11 € 0,0799 € 2 153 1 39303055 THT X4 AUX PS 1 9963561 0,374 £0,37 - - 0,447 € 1 154 1 9185067324 THT X16 AUX PS 1 1462950 0,074 £1,49 T821-1-10-S1 0,290 0,58 € 0,080 € 0,08 € 0,08 € 0,08 € 0															
150 1 MC34753 THT X18 Arduino Shield 1 1593431 0,331 £0,33 -			•												
151 1 22-23-2041 THT X19 Arduino Shield 1 1462920 0,130 £0,13 MX-22-23-2041 0,106 0,11 € 0,106 € 1 152 1 SSW-113-02-T-D-RA THT X3 Power board 2 1805583 4,170 £8,34 ZL263-26DG 0,399 0,80 € 0,799 € 2 153 1 39303055 THT X4 AUX PS 1 9963561 0,374 £0,37 - 0,447 € 1 154 1 9185067324 THT X5 Arduino Shield 1 1 1462920 0,130 £0,130 £0,130 MX-22-23-2041 0,106 € 1 155 1 9185067324 THT X5 AUX PS 1 1462950 0,745 £1,49 T821-1-10-S1 0,290 0,58 € 2 155 1 22-23-2031 THT X6 AUX PS 1 1462950 0,079 £0,08 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 MCU-ADCL, MCU-ADCL, MCU-ADCH, MCU-Arduino Shield 5											0,070	0,07 €			
152 1 SSW-113-02-T-D-RA THT X3 Power board 2 1805583 4,170 £8,34 ZL263-26DG 0,399 0,80 € 0,799 € 2 153 1 39303055 THT X4 AUX PS 1 9963561 0,374 £0,37 - 154 1 9185067324 THT X5 Arduino Shield 1 1 9185067324 THT X16 Arduino Shield 1 1 22-23-2031 THT X6 AG AUX PS 1 1462950 0,079 £0,08 MX-22-23-2031 0,080 0,08 € 0,080 € 1 156 1 LMJ2138814S0L1T1C THT, solder on bottom layer! X7 AUX PS 1 462950 0,079 £0,08 MX-22-23-2031 0,080 0,08 € 2,820 € 2,820 € 1 157 1 826629-8 THT X8 AUX PS 1 AUX PS 1 FIT MCU-ADCL, MC			THT		Arduino Shield	1	1593431		£0,33	-			0,395€	1	
153 1 39303055 THT X4 AUX PS 1 9963561 0,374 £0,37 -	151	1 22-23-2041	THT	X19	Arduino Shield	1	1462920	0,130	£0,13	MX-22-23-2041	0,106	0,11 €	0,106€	1	
154 1 9185067324 THT X5 AC AUX PS 1 1 9185067324 THT X16 Arduino Shield 1 22-23-2031 THT X6 AUX PS 1 1462950 0,079 £0,08 MX-22-23-2031 0,080 0,08 € 0,080 € 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	152	1 SSW-113-02-T-D-RA	THT	X3	Power board	2	1805583	4,170	£8,34	ZL263-26DG	0,399	0,80 €	0,799€	2	
154 1 9185067324 THT X5 AC AUX PS 1 1 1462950 0,745 £1,49 T821-1-10-S1 0,290 0,58 € 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	153	1 39303055	THT	X4	AUX PS	1	9963561	0,374	£0,37	-			0,447 €	1	
1 9185067324 THT X16 Arduino Shield 1 2 1096984 0,745 £1,49 T821-1-10-S1 0,290 0,58 € 2 2 1 1 22-23-2031 THT X6 AUX PS 1 1462950 0,079 £0,08 MX-22-23-2031 0,080 0,08 € 0,080 € 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1															
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155 1 22-23-2031 THT X6 AUX PS 1 1462950 0,079 £0,08 MX-22-23-2031 0,080 0,08 € 0,080 0,08 € 1 1 1462950 0,079 £0,08 MX-22-23-2031 0,080 0,08 € 0,080			•	·			1096984	0.745	£1 49	T821-1-10-S1	0.290	0.58 €		2	
156 1 LMJ2138814S0L1T1C THT, solder on bottom layer! X7 AUX PS 1 - RJ45-TRAFO-LP 2,820 2,820 € 2,820 € 2,820 € 2,820 € 1 15 1 826629-8 THT X8 AUX PS 1 - 5 826629-8 THT MCU-ADCL, MCU-ADCH, MC						_	1000004	0,170	۵۱,۳۵	1021 1 10 01	0,230	0,30 €		_	
156 1 LMJ2138814S0L1T1C THT, solder on bottom layer! X7 AUX PS 1 - RJ45-TRAFO-LP 2,820 2,820 € 2,820 € 2,820 € 2,820 € 1 15 1 826629-8 THT X8 AUX PS 1 - 5 826629-8 THT MCU-ADCL, MCU-ADCH, MC	155	1 22 22 2021	TUT	V6	ALIV DC	1	1462050	0.070	CO 00	MV 22 22 2021	0.000	0.00.6	0.000.6	1	
157 1 826629-8 THT X8 AUX PS 1 5 826629-8 THT MCU-ADCL, MCU-ADCH, MCU-ADCH								0,079	£0,08		,				
5 826629-8 THT MCU-ADCL, MCU-ADCH, MCU- Arduino Shield 5							-			KJ45-TKAFU-LP	2,820	2,82 €	2,820 €	1	
COMM, MCU-PWML, MCU-PWMH		5 826629-8	TH T		Arduino Shield	5									
				COMM, MCU-PWML, MCU-PWMH											

				,		,							
					6	1022256	0,084	£0,50	ZL201-08G	0,065	0,39 €		6
1	826629-5	THT	X9	AUX PS	1	1593416	0,281	£0,28	ZL201-05G	0,032	0,03 €	0.032€	1
												-,	
1	- ,	THT	Y1	Arduino Shield		1611828	0,131	£0,13	32.768K-TC38	0,144	0,14 €	0,144 €	
1		SMD, 11.5mm x 4.7mm	Y2	Arduino Shield		2467741	0,111	£0,11	25.00M-SMDHC49S	0,373	0,37 €	0,133 €	1
. 2	SMAJ18A	DO-214AC	ZD10, ZD11	Arduino Shield		1749305	0,040	£0,08	P4SMAJ18A-DIO	0,105	0,21 €	0,095€	2
1	BZX384-C4V3	SOD-323	ZD12	Arduino Shield		8735697	0,133	£0,13	BZT52C4V3-DIO	0,019	0,02 €	0,019€	1
1	BZX384-C15.115	SOD-323	ZD4	Power board	2	8735506	0,133	£0,27	BZX384-C15.115	0,019	0,04 €	0,038 €	2
1	PDZ6.2B	SOD-323	ZD5	Power board	2	1757863	0,194	£0,39	PDZ6.2B	0,019	0,04 €	0,037 €	2
2	P4SMAJ48A	DO-214AC	ZD8, ZD9	Arduino Shield	2	1749310	0,157	£0,31	P4SMAJ48A-DIO	0,102	0,20 €	0,204 €	2
			,				•	£215,81		,	75,00 €	194,65 €	
	AUX PS 230 V protection												
1	CG2-470L	THT	SAR1	AUX PS	1	1846854	1,390	£1,39	CG2-470L	1,450	1,45 €	1,450 €	1
2	S20K250	THT	VAR1, VAR2	AUX PS	2	1004357	0,563	£1,13	SIOV-S20K250	0,517	1,03 €	1,034 €	2
2	1.5KE400CA	THT	ZD6, ZD7	AUX PS	2	2341650	0,346	£0,69	1.5KE400CA	0,256	0,51 €	0,512€	2
			,				2,212	£3,21		2,222	3,00 €		48 69
	Not installed												
5	100n	0603	C99, C100, C101, C102, C103	AUX PS	5	-			-				Ę
	1u	1206	C14	Power board		-			-				2
	100n	0805	C15, C19	Power board		-			-				2
									-				2
	n.c.	0805	C39	Power board		-			-				
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	-			-				
	S1751-46R	0805	GND, SW	Power board		-			_				4
1	TPD4E002DRLR		IC17	AUX PS		-			_				1
			IC18	AUX PS		-							1
									-				
	ADUM3160BRWZ	T. 1.T.	IC19	AUX PS		-			-				1
	826926-2	THT	JP3	Arduino Shield		-			-				1
	0R	0805	R13	Power board		-			-				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		THT	X10	AUX PS		-			-				1
	282836-2	THT	X2	Power board		-			_				2
1		THT	X20	Arduino Shield		-			-				1
		IIII							-				
1	n.c. See Note 3.2		ZD1, ZD2 ZD3	Power board Power board		-			-				2
	See Note 3.2		200	i owei boaid	_	_					_		2
2	Power module AC input of 2m2	option THT, solder on bottom layer!	C4 C5	Power board	4	1822562	1,651	£6,60	UVR1H222MHD	1,100	4,40 €	0,000 €	
_		THT, solder on bottom layer!		Power board		-	1,001	20,00	UVZ1H222MHD	0,973	0,97 €	0,000 €	
	Ontion #2: LIV/71 1222MHD	THT, solder on bottom layer!	C4 C5	Power board	0	-			UVZ1J222MHD	1,593	1,59 €		
	·	· ·							O * Z TOZZZZIVII ID	1,595	1,55 €		
4	STPS15H100	TO-252	D1, D2, D3, D4	Power board	8	2344052	0,549	~ .,00	•			0,000€	
1	12K	1206	R1	Power board		1100220	0,013	£0,03	RC1206JR-0712K	0,006	0,01 €	0,000€	
1	282836-2	THT	X2	Power board	2	3089034	0,264	£0,53	282836-2	0,270	0,54 €	0,000€	
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	1815818	2,120	£4,24	BS-244DSM-R	1,120	2,24 €	2,240 €	-
1	BS-244DSM-G	Binding post 4mm, green	J2	Arduino Shield	1	1815820	2,170	£2,17	BS-244DSM-G	1,120	1,12 €	1,120 €	-
2		Binding post 4mm, black	J3, J5	Arduino Shield		1815819	2,110	£4,22	BS-244DSM-B	1,140	2,28 €	2,280 €	
	39-01-4030	Receptacle for X1	,	Power board		9963480	0,172		MX-5557-03R2	0,132	0,26 €	0,264 €	
	00 01 4000	recoptable for A1		i owei boaiu	_	3300400	0,112	20,04	W/ 3337 331(Z	0,132	0,20 €	0,207 €	

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1	39-01-4050	Receptacle for X4	A	AUX PS	1	9963502	0,087	£0,09	MX-5557-05R2	0,240	0,24 €	0,104 €	-
1	22-01-2035	Receptacle for X6	A	AUX PS	1	143127	0,145	£0,15	MX-6471-031	0,050	0,05 €	0,050 €	-
3	39-00-0078	Pins for X1	F	Power board	6								
5	39-00-0078	Pins for X4	A	AUX PS	5								
					11	9732675	0,110	£1,21	MX-5556-T3L	0,074	0,82 €	0,816€	
	08-50-0114	Pins for X6		AUX PS	3	2063734	0,023	£0,07	MX-0850-0114	0,047	0,14 €	0,082 €	
1	MEAN WELL LRS-150-48	Power module 48VDC; 3.3A (adjustable to 54VDC)	F	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)	F	Power board	2	-			TFF-M3X40/DR124	0,156	0,31 €	0,312€	
0	Heatsink 70 x 120 mm	(Heatsink included with Varisom enclosure)	F	Power board	0	-			RAD-A4463/120	1,340	0,00 €	0,000€	
4	Screwed spacer sleeve; M3; 6 mm	Dremec 213x6	F	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	9963502	0,087	0,09 €	0,087 €	
5	39-00-0078	Pins for X4			5	9732675	0,110	£0,55	9732675	0,110	0,55 €	0,550 €	
1	12V fan 60x60mm		E	Enclosure	1	-			MB60251V1-G99	4,110	4,11 €	4,110 €	
4	Screwed spacer sleeve; hexagonal	14 mm, M3	A	AUX PS	4	1466812	0,326	£1,30	B3X14/BN3320	0,309	1,24 €	1,238 €	
1	Schurter 4304.6090	C14 IEC inlet, switch, 2 fuse drawer is included	E	Enclosure	1	2080294	8,650	£8,65	4304.6090	5,190	5,19 €	5,190 €	
1	Arduino Due		A	Arduino Shield	1	-			Itead/Eckstein	19,480	19,48 €	19,480 €	
1	3.2" TFT LCD		A	Arduino Shield	1	-			Itead/Eckstein	12,140	12,14 €	12,140 €	
2	NSR-08	Plug; female; PIN:8 w/o terminals for Ethernet cable	A	Arduino Shield	2	-			NSR-08	0,088	0,18 €	0,175 €	
1	NSR-05	Plug; female; PIN:5 w/o terminals for USB cable	A	Arduino Shield	1	-			NSR-05	0,027	0,03 €	0,027 €	
21	NDR-T	Contact; female; 28÷22AWG; NSR/NDR; tinned	A	Arduino Shield	21	-			NDR-T	0,027	0,57 €	0,566 €	
9	Screwed spacer sleeve; M5; 8mm; brass	Extend binding post for PCB mounting	A	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	A	Arduino Shield	4	1733405	0,065	£0,26	DR316/3.2X5	0,057	0,23 €	0,228€	
	Screwed spacer sleeve; hexagonal; polyamide; M3	11 mm between TFT display and PCB	A	Arduino Shield	4	2494576	0,238	£0,95	-	0,128		1,137 €	
4	Plastic washer; round; M3		A	Arduino Shield	4	-			B3/BN1074	0,008	0,03 €	0,032€	
12	Light pipe for LED	Round; Ø3mm; Front: convex; straight	A	Arduino Shield	12	2293496	0,362	£4,34	PLP2-625	0,490	5,88 €	5,189€	
1	130106	Ring terminal; M5; 1÷2.5mm2	A	AUX PS	1	970682	0,135	£0,14	130106	0,162	0,16 €	0,162€	
1	FC10300-0	Ribbon cable with IDC connectors, 30cm	A	Arduino Shield	1	-			FC10300-0	1,040	1,04 €	1,040 €	
1	Custom enclosure		E	Enclosure	1	-			Varisom (Qty of 10)	43,000	43,00 €	43,000 €	
1	PCB+PCBA		E	Enclosure	1	-			?	20,000	20,00 €	20,000 €	
								£28,77			153,41 € TOTAL	153,65 € 351,30 €	

All prices are net prices (without VAT)

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.