								Farnell / Element	14	Digi-Key	1	Mouse	r
#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Part Number	Unit price MOQ	Part Number	Unit price MOQ	Part Number	Unit price MOQ
1	1	2x3-pin socket	THT; 2x3-pin socket	MCU-ICSP	Arduino Shield	1	7991983	M20-7830346	1,210 10	M20-7830346	1,000	M20-7830346	0,940
2	17	100n 16V X7R	0603	C9, C20, C32, C43, C44, C45, C49, C50, C51, C54, C56, C59, C63, C65, C69, C72, C73	Power board	34							
		100n 16V X7R	0603	C81, C82, C83, C84, C85	AUX PS	5							
	27	100n 16V X7R	0603	C97, C98, C99, C100, C101, C102, C104, C106, C107, C108, C109, C111, C113, C114, C121, C122, C123, C124, C125, C126, C127, C128, C132, C134, C136, C139, C141	Arduino Shield	27							
						66	2496832	0603B104K160CT	0,012 10	0603YC104KAT2 A	0,010	06033C104K4T4 A	0,025
3	1	220u 16V	SMD ELCO; Ø6.3 x 7.7mm	C78	AUX PS	1	1870605	MCESL16V227M6. 3X7.7	0,213 10	399-6679-1-ND	0,410 1	80- EDK227M016A9	0,407 1
4	5	10n 50V X7R	0805	C118, C131, C135, C137, C138	Arduino Shield	5							
	7	10n 50V X7R	0805	C25, C28, C35, C42, C47, C70, C74	Power board	14							
						19	1759246	MC0805B103K500 CT	0,009 10	CL21B103KBCN NNC	0,027	GRM216R71H10 3KA01D	0,014
5	2	10u 50V X7R	1210	C90, C110	Arduino Shield	2							
	7	10u 50V X7R	1210	C10, C16, C22, C24, C29, C30, C55	Power board	14							
						16	2362133	GRM32ER71H106 KA12L	0,748 1	CL32B106KBJN NWE	0,335	GRM32ER71H10 6KA12L	0,376
6	2	10u 10V	1206, Tantalum	C105, C129	Arduino Shield	2							
Ū		10u 10V	1206, Tantalum	C23, C31, C57	Power board	6							
						8	1457413	T491A106K010AT	0,260 5	T491A106K010A T	0,340	T491A106K010A T	0,344
7	2	120p 50V NP0	0805 / 0603	C17, C39	Power board	4	1414667	C0805C121J5GAC	0,044 10	CL21C121JBAN NNC	0,058	C0805C121J5GA CTU	0,031
8	2	18p 50V NP0	0805 / 0603	C116, C120	Arduino Shield	2	2320820	MC0805N180J101 CT	0,026 10	CL21C180JBAN NNC	0,090	C0805C180J5GA CTU	0,100
9	2	1n 50V NP0	0805 / 0603	C52, C53	Power board	4	1759227	MC0805N102J500 CT	0,029 10	CL21C102JBCN NNC	0,065	C0805C102J5GA CTU	0,038
10			1206, 100V	C8, C33	Power board		2320876	MC1206B105K101 CT	0,200 5	CL31B105KCHN NNE	0,253	GRM31CR72A10 5KA01L	0,227
11		1u 50V X7R	0805, 50V	C11, C26, C46, C48, C58, C64, C66	Power board		2118131	C0805C105K5RAC TU	,	CL21B105KBFN NNE	0,129	08055C105K4T2 A	0,135
12		22n 50V X7R	0805	C115	Arduino Shield		1759252	MC0805B223K500 CT	0,016 10	CL21B223KBAN NNC	0,058	C0805C223K5R AC	0,031
13		2n2 50V NP0	0805 / 0603	C36, C37, C38, C40, C71	Power board		1759236	MC0805N222J500 CT	0,052 10	CL21C222JBFN NNG	0,078	GRM2165C1H22 2JA01D	0,076
14	2	22u 50V	SMD ELCO; Ø8x10.2mm	C89, C94	Arduino board	2	2326151	EEE1HA220WAP	0,341 1	493-9884-1-ND	0,280 1	647- UWT1H220MCL6 GS	0,339 1
15	4	3n3 50V X7R or NP0	0805 / 0603	C60, C61, C67, C68	Power board	8	1759291	MC0805B332K101 CT	0,015 10	CL21B332KBAN NNC	0,045	C0805C332K5R AC	0,024

				RS Componer	nts		TME	aree code at				-	ice calcula	tion fo	r 1 set
#	Qty	Part name	Code	Part Number	Unit price	MOQ	Code / Part Number	Unit price ₽	MOQ	THT	SMD	Best	Lowest unit price	Order	Line Cost €
					6						02	Supplier	€	Qty	
1 2	1	2x3-pin socket 100n 16V X7R	681-6832	M20-7830346	0,899	5	ZL262-6DG	0,070	10	1		TME	0,070 €	1	0,070
_	• •														
	5	100n 16V X7R													
	27	100n 16V X7R													
			391-246	0603YC104JAT2	0,004	50	CL10B104KO8NNNC	0,004	100		66	RS	0,004 €	100	0,400
				A											
3	1	220u 16V	839-1770	865080345012	0,280	10	SC1C227M6L07KVR	0,061	10		1	TME	0,061 €	1	0,061
4	5	10n 50V X7R													
	7	10n 50V X7R													
		1011 00 0 7/11													
			461-4013	CC0805KRX7R9 BB103	0,007	50	CL21B103JBANNNC	0,006	100		19	TME	0,006 €	20	0,120
_	•	40 50///50													
5	7	10u 50V X7R 10u 50V X7R													
			700 4044		0.004	40	CL 20D40CKD INININE	0.004	10		10	TNAC	0.004.6	40	2.040
			766-1214	CL32B106KBJN NNE	0,601	10	CL32B106KBJNNNE	0,201	10		16	TME	0,201 €	10	3,216
6	2	10u 10V													
6	3	10u 10V													
			538-2278	T491A106K010A T	0,196	10	T491A106K010AT	0,085	10		8	TME	0,085€	10	0,845
				•											
7	2	120p 50V NP0	723-6209	GRM2165C1H1 21JA01D	0,035	100	CL21C121JBANNNP	0,007	100		4	TME	0,007 €	10	0,069
8	2	18p 50V NP0	648-0935	C0805C180J5G	0,157	10	CL21C180JBANNNC	0,071	100		2	Farnell	0,026 €	2	0,053
9	2	1n 50V NP0	378-710	ACTU 0805CG102J9B	0,021	25	CL21C102JBCNNNC	0,010	100		4	TME	0,010€	10	0,097
10	2	1u 100V X7R	740-7590	B C3216X7R2A10	0,174	10	GRM31CR72A105KA0	0,128	10		4	TME	0,128 €	10	1,279
				5K160AA			1L	,							
11	7	1u 50V X7R	766-1062	CL21B105KBFN NNF	0,041	100	CL21B105KBFNNNG	0,014	100		14	TME	0,014 €	15	0,214
12	1	22n 50V X7R	464-6701	08055C223KAT2 A	0,015	50	CL21B223KBANNNC	0,008	100		1	TME	0,008€	10	0,084
13	5	2n2 50V NP0	802-9905	C0805C222J5G	0,043	100	GRM2165C1H222JA0	0,015	100		10	TME	0,015€	10	0,145
14	2	22u 50V	520-2009	ACTU UWT1H220MCL	0,174	25	1D UWT1H220MCL6GS	0,009	10		2	TME	0,009 €	5	0,047
				1GB	-,			.,,					,		
15	4	3n3 50V X7R or NP0	237-7009	GRM216R71H3	0,038	50	CL21B332KBANNNC	0,007	100		8	TME	0,007 €	10	0,069
				32KA01D											

								Farnell / Element	:14		Digi-Ke	у	Mouse	r
#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Part Number	Unit price €	MOQ	Part Number	Unit price MOQ	Part Number	Unit price MOQ
16	1	470n 50V X7R	0805, 50V	C7	Power board	2								
	2	470n 50V X7R	0805, 50V	C87, C92	Arduino Shield	2								
						4	2470492	GRM21BR71H474 KA88L	0,163	5	CL21B474KBFN FNE	0,139	C0805C474K5R ACTU	0,103
17	2	470p 50V NP0	0805 / 0603	C14, C19	Power board	4	1759217	MC0805N471J500 CT	0,023	10	CL21C471JBAN NNC	0,090	08055A471JAT2 A	0,091
18		47n 50V X7R	0805	C133, C140	Arduino Shield	2								
	1	47n 50V X7R	0805	C79	AUX PS	1	0.400000	000ED 4701/E000T	0.000	40	01 040 4701/001	0.000		0.004
						3	2496983	0805B473K500CT	0,023	10	CL21B473KBCN NNC	0,090	08055C473KAT2 A	0,091
19	1	47n 400V Polyester Film	THT R=7,5mm	C76	AUX PS	1	2468839	B32520E6473K000	0,358	1	-		-	
20		47p 50V NP0	0805 / 0603	C34, C41	Power board	4	1414692	C0805C470J5GAC TU	,	10	CL21C470JBAN NNC	0,043	C0805C470J5GA CTU	0,029
21		47u 35V	SMD ELCO, Ø6.3 x 5.8mm	C103	Arduino Shield	1	9695850	EEEFK1V470P	0,493	1	EEEFK1V470P	0,440	EEEFK1V470P	0,443
22	1	47u 50V	SMD ELCO; Ø8x10.2mm	C13	Power board	2	9695931	EEEFK1H470P	0,622	1	PCE3815CT-ND	0,600 1	667-EEE- FK1H470P	0,754 1
23	4	4n7 100V X7R	0805	C1, C2, C4, C18	Power board	8								
	4	4n7 100V X7R	0805	C88, C91, C93, C95	Arduino board	4								
						12	1759293	MC0805B472K101 CT	0,019	10	CL21B472KCAN NNC	0,065	GRM21AR72D47 2KW01D	0,050
24	1	4u7 10V	1206, Tantalum	C130	Arduino Shield	1								
		4u7 10V	1206, Tantalum	C21	Power board	2								
			·			3	1457428	T491A475K016AT	0,238	5	T491A475K010A T	0,310	T491A475K010A T	0,299
		4 7 400) ( ) (TD	1010 1001/1775	05.00			0044440	00.404.407.4004.42	4 500		00,1000,000,40	4.040	00.000.000.40	4.050
25		4u7 100V X7R	1210, 100V, X7R	C5, C6	Power board		2211140	CGA6M3X7S2A47 5K200AB	1,560		GRJ32DC72A47 5KE11L	1,240	GRJ32DC72A47 5KE11L	1,250
26		6n8 50V X7R or NP0	0603	C117, C119	Arduino Shield	2	1759100	MC0603B682K500 CT	0,007		CL10B682KB8N NNC	0,090	GRM188R71H68 2KA01J	0,091
27		6n8 (X1 / Y2) PP Film 300Vac 1000Vdc	THT R=10mm	C75	AUX PS		2478385	R413F16804000M	0,528	1	R413F16804000 M	0,520	R413F16804000 M	0,525
28		1F 5,5V Backup Cap	THT	C112	Arduino Shield		9697497	EEC-S5R5H105	4,660	1	EEC-S5R5H105	3,480	EEC-S5R5H105	3,510
29 30		100u 63V 18u 50V	SMD ELCO; Ø10 x 10.2mm SMD ELCO <b>Polymer</b> ;	C15 C3	Power board Power bord	2	9696040	EEEFK1J101P	0,846	1	EEE-FK1J101P	0,930	EEE-FK1J101P	0,932
30	2	16u 50V	Ø8x6.9mm	<b>C3</b>	rower bord	2								
	2	18u 50V	SMD ELCO <b>Polymer</b> ; Ø8x6.9mm	C86, C96	Arduino Shield	2								
						4	2354813	50SVPF18M	1,830	1	P18942CT-ND	1,430 1	667-50SVPF18M	1,720 1
31		BAS316	SOD-323	D12	AUX PS	1								
		BAS316	SOD-323	D13, D14, D15, D16, D18, D21	Arduino Shield	6								
	9	BAS316	SOD-323	D2, D3, D4, D5, D6, D7, D8, D9, D10	Power board	18								
				2.0		25	8734275	BAS316,115	0,192	5	BAS316,115	0,175	BAS316,115	0,174
									., <u></u>		,,,,,	-, -	17.10	
32	1	BAT54S	SOT-23	D19	Arduino Shield	1	1621835	BAT54S	0,125	10	BAT54SLT1G	0,150	BAT54SLT1G	0,145

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				RS Componer	nts		TME					Pr	ice calcula	tion fo	r 1 set
#	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
16	1	470n 50V X7R											'		
	2	470n 50V X7R													
			766-1053	CL21B474KBF4 PNG	0,085	50	CL21B474KBFNNNG	0,015	100		4	TME	0,015€	10	0,153
17	2	470p 50V NP0	378-700	0805CG471J9B B	0,021	25	CL21C471JBANNNC	0,009	100		4	TME	0,009€	2	0,018
18	2	47n 50V X7R													
	1	47n 50V X7R													
			391-303	08055C473KAT2 A	0,011	50	CC0805KRX7R9473	0,008	100		3	TME	0,008€	3	0,025
19	1	47n 400V Polyester Film	668-9993	B32520C6473K1	0,241	10	-			1		RS	0,241 €	1	0,241
20	2	47p 50V NP0	264-4270	C0805C470J5G ACTU	0,014	25	CC0805JRNPO9470	0,007	100		4	TME	0,007€	10	0,074
21	1	47u 35V	565-623	EEEFK1V470AP	0,165	5	EEEFK1V470P	0,157	5		1	TME	0,157 €	10	1,572
22	1	47u 50V	537-0590	EEEFK1H470P	0,170	5	EEEFK1H470P	0,197	5		2	RS	0,170 €	5	0,850
23	4	4n7 100V X7R													
	4	4n7 100V X7R			0.000	0.5	01 04 5 4 7 014 0 4 4 14 14 10		400		40	T. 45	0.000.6		0.400
			698-3364	08051C472KAZ 2A	0,036	25	CL21B472KCANNNC	0,006	100		12	TME	0,006€	20	0,126
24	1	4u7 10V													
2-7	1	4u7 10V													
	•	Tur Tov	538-2341	T491A475K016A T	0,179	10	T491A475M010AT	0,128	5		3	TME	0,128€	5	0,640
25	2	4u7 100V X7R	915-5415	CGA6M3X7S2A 475K200AB	0,686		-				4	RS	0,686 €	4	2,744
26	2	6n8 50V X7R or NP0	147-825	C0603C682K5R ACTU	0,007		CL10B682JB8NNNC	0,004			2	TME	0,004 €		0,042
27	1	6n8 (X1 / Y2) PP Film 300Vac 1000Vdc	871-2489	890334023003C S	0,420		MKP-Y2-6N8	0,158		1		TME	0,158 €		0,158
28		1F 5,5V Backup Cap	339-6843	EECS5R5H105	3,556	1	EECS5R5H105	2,190	1	1	2	TME	2,190 €	1	2,190
29 30	1	100u 63V 18u 50V	708-3623	EEEFK1J101P	0,641	5	EEEFK1J101P	0,380	5		2	TME	0,380 €	2	0,760
30	2	100 00 0													
	2	18u 50V													
			-				-				4	Digikey	1,430 €	5	7,150
31	1	BAS316													
		BAS316													
	9	BAS316	007.55	DA0046 ::-			D40040 44-		0-		0-	<b>TA :</b>	0.615 =		
			397-2914	BAS316,115	0,195	50	BAS316,115	0,019	25		25	TME	0,019€	25	0,463
32	1	BAT54S	670-8797	BAT54S	0,202	10	BAT54S.215	0,017	50		1	TME	0,017 €	1	0,017

								Farnell / Element	14	Digi-Ke	y	Mouse	r	
#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Part Number	Unit price MOC	Part Number	Unit price MOQ	Part Number	Unit price M	OQ
33	1	SKL16	SOD-323	D11	AUX PS	1								
	1	SKL16	SOD-323	D20	Arduino Shield	1								
						2	8738025	PMEG4005AEA	0,104 5	PMEG4005AEA	0,325	PMEG4005AEA	0,286	
34	1	STPS15H100	TO-252	D1	Power board	2	2344052	STPS15H100CB- TR	1,070 1	STPS15H100CB	0,900	STPS15H100CB	0,896	
35	1	50mA, polyfuse	1210	F1	Arduino board	1	1861176	MC36203	0,163 5	507-1476-1-ND	0,200 1	530- 0ZCJ0005FF2E	0,101	1
36	3	60R@100MHz	0603 Ferrite Bead	FB1, FB2, FB3	Power board	6								
	3	60R@100MHz	0603 Ferrite Bead	FB4, FB5, FB6	AUX PS	3								
	1	60R@100MHz	0603 Ferrite Bead	FB7	Arduino Shield	1								
						10	1635704	742792602	0,210 1	742792602	0,210	742792602	0,160	
		1 TO000 4 EN 40 E # DDE	M00D 40	104	Danisaharah		0000400	LTOOOGAENOE#DD	4.500 4	170000451405#	0.000			
37	1	LTC3864EMSE#PBF	MSOP-12	IC1	Power board		2293128	LTC3864EMSE#PB F		LTC3864EMSE# PBF	3,960	-		
38	1	DAC8552IDGKTG4	MSOP-8 (VSSOP-8)	IC10	Power board	2	1329584	DAC8552IDGKTG4	6,420 1	DAC8552IDGKT	7,660	DAC8552IDGKR	6,510	
39	1	ADG465BRTZ	SOT-23	IC11	Power board	2	2376952	ADG465BRTZ- REEL7	1,690 1	Discontinued		Discontinued		
40	1	TS5A9411DCKT	SC-70	IC12	Power board	2	1755582	TS5A9411DCKT	1,050 1	TS5A9411DCKR	0,560	TS5A9411DCKR	0,534	
41	1	ADS1120IPWR	TSSOP-16	IC13	Power board	2	2402249	ADS1120IPWR	6,760 1	ADS1120IPWR	6,250	ADS1120IPWR	6,100	
42	1	LP339D	SOIC-14	IC14	Power board	2	9589686	LP339D	0,573 1	LP339DR	0,520	LP339DR	0,498	
43	1	TPD4E002DRLR		IC15	AUX PS	1	1755329	TPD4E002DRLR	0,275 1	296-21694-1-ND	0,660 1	595- TPD4E002DRLR	0,594	1
44	1	TPD2E001DZDR		IC16	AUX PS	1	2335446	TPD2E001DZDR	0,506 1	296-24770-1-ND	0,580 1	595- TPD2E001DZDR	0,519	1
45	1	ADUM3160BRWZ		IC17	AUX PS	1	1843660	ADUM3160BRWZ	7,070 1	ADUM3160BRW Z-ND	7,290 1	584- ADUM3160BRW Z	6,660	1
46	1	TLC5925IDBQR	SSOP-24	IC18	Arduino Shield	1	1694438	TLC5925IDBQR	1,520 1	TLC5925IDBQR	1,370	TLC5925IDBQR	1,330	
47	2	Si8641EC-B-IS1	SOIC-16	IC19, IC23	Arduino Shield	2	2423294	Si8641EC-B-IS1	3,210 1	Si8641EC-B-IS1	2,780	Si8641EC-B-IS1	2,720	
48	1	LP2951D	SOIC-8	IC2	Power board	2	1755066	LP2951D	0,573 1	LP2951DR	0,520	LP2951DR	0,498	
49	2	SI8651EC-B-IS1	SOIC-16	IC20, IC21	Arduino Shield	2	2423323	SI8651EC-B-IS1	3,150 1	SI8651EC-B-IS1	3,190	SI8651EC-B-IS1	3,060	
50	1	LD1117ADT33TR	TO-252	IC22	Arduino Shield	1	1087169	LD1117DT33	0,358 5	LD1117ADT33TR	0,590	LD1117ADT33TR	0,570	
51	1	PCA21125T/Q900/1,1	TSSOP-14	IC24	Arduino Shield	1	2400445	PCA21125T/Q900/ 1,1	1,870 1	PCA21125T/Q90 0/1,1	1,610	PCA21125T/Q90 0/1,1	1,660	
52	1	AT25256B	SOIC-8	IC25	Arduino Shield	1	1841577	AT25256B-SSHL-B	1,190 1	AT25256B- SSHL-B	1,300	AT25256B- SSHL-B	1,290	
53		W5500	LQFP-48	IC26	Arduino Shield	1	-			W5500	3,750	W5500	2,390	
54	1	BC857BS	SOT-363	IC27	Arduino Shield	1	1653608	BC857BDW1T1G	0,141 1	BC857BDW1T1G	0,210	BC857BDW1T1G	0,199	
55	1	TLC555	SOIC-8	IC28	Arduino Shield	1	9589880	NE555DR	0,300 1	NE555D	0,350	NE555D	0,353	
56	1	SN74LVC08APWR	TSSOP-14	IC29	Arduino Shield	1	1102978	SN74LVC08APWR	0,236 1	296-1221-1-ND	0,350 1	595- SN74LVC08APW R	0,335	1

				RS Componer	nts		TME		7	//gitriub.com/e	-	ice calcula	ation fo	r 1 set
#	٠.							Unit price			Best	Lowest	Order	
	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	€	MOQ	THT SMD	Supplier	unit price €	Qty	Line Cost €
33	1	SKL16												
		SKL16												
			485-729	PMEG4005AEA,	0,325	20	SKL16	0,095	5	2	TME	0,095€	10	0,952
				115										
34	1	STPS15H100	795-9075	STPS15H100CB	0,924	5	_			2	Mouser	0,896€	2	1,792
				-TR	-,					_		-,		.,
35	1	50mA, polyfuse	-				SM005-60	0,092	10	1	TME	0,092€	1	0,092
36	3	60R@100MHz												
00		60R@100MHz												
	1	60R@100MHz												
		<u> </u>	669-4049	742792602	0,172	10	LCBA-600	0,027	25	10	TME	0,027 €	10	0,269
										0				
37	1	LTC3864EMSE#PBF	-				-			2	Digikey	3,960 €	2	7,920
38	1	DAC8552IDGKTG4	662-1498	DAC8552IDGKT	6,524	1	_			2	Farnell	6,420 €	2	12,840
30	'	DAC0332IDGR1G4	002-1490	DAC0332IDGKT	0,324	'	-			2	1 allicii	0,420 €	2	12,040
39	1	ADG465BRTZ	-				-			2	Farnell	1,690 €	2	3,380
40	1	TS5A9411DCKT	459-459	TS5A9411DCKT	0,570	10	-			2	Mouser	0,534 €	2	1,068
41	1	ADS1120IPWR	_				_			2	Mouser	6,100 €	2	12,200
	•									_		-,	_	,
42	1	LP339D	661-2659	LP339DR	0,175	10	LP339D	0,244	3	2	RS	0,175€		0,350
43	1	TPD4E002DRLR	709-9060	TPD4E002DRLR	0,199	10	-			1	RS	0,199€	1	0,199
44	1	TPD2E001DZDR	812-0171	TPD2E001DZDR	0,193	25	-			1	RS	0,193€	3	0,579
45	1	ADUM3160BRWZ	796-9041	ADUM3160BRW	5,880	1	ADUM3160BRWZ-RL	4,040	1	1	TME	4,040 €	1	4,040
40	'	ADUMS TOUBRWZ	790-9041	Z	5,000	'	ADUNS 100BRWZ-RL	4,040	'	'	IIVIE	4,040 €	,	4,040
46	1	TLC5925IDBQR	812-3984	TLC5925IDBQR	1,109	10	-			1	RS	1,109€	1	1,109
47	2	Si8641EC-B-IS1	753-2438	Out of stock			_			2	Mouser	2,720 €	2	5,440
48	1	LP2951D	796-8095	LP2951D	0,613	5	LP2951CM/NOPB	0,495	1	2	TME	0,495 €		0,990
49		SI8651EC-B-IS1	753-2497	Si8651EC-B-IS1	3,038		-	0,100	•	2	RS	3,038 €		6,076
50	1	LD1117ADT33TR	686-9123	LD1117ADT33T R	0,294	10	LD1117ADT33	0,315	3	1	RS	0,294 €	1	0,294
51	1	PCA21125T/Q900/1,1	_	К			_			1	Digikey	1,610 €	1	1,610
31	'	1 CA211231/Q300/1,1	_							'	Digikey	1,010 C	'	1,010
52	1	AT25256B	738-0079	AT25256B-	1,267	2	25AA256-I/SN	1,290	1	1	Farnell	1,190 €	1	1,190
				SSHL-B										
53	1		-	DO0EZDOMAT:	0.000	0.5	W5500	2,190		1	TME	2,190 €		2,190
54	1	BC857BS	690-0101	BC857BDW1T1 G	0,022	25	BC857BS	0,027	25	1	RS	0,022€	1	0,022
55	1	TLC555	662-4006	TLC555CDR	0,218	10	TLC555CDR	0,384	3	1	RS	0,218€	1	0,218
56		SN74LVC08APWR	662-8588	SN74LVC08AP	0,240		-	-,		1	Farnell	0,236 €		0,236
				WR										

								Farnell / Element	:14		Digi-Ke	у		Mouse	•
#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Part Number	Unit price €	ЛOQ	Part Number	Unit price M	OQ	Part Number	Unit price MOQ
57	1	TL783CKTTR	TO-263-3	IC3	Power board	2	2075436	TL783CKTTR	2,070	1	296-20778-1-ND	2,270	1	595- TL783CKTTR	2,220 1
58	1	SN74LV1T34DBVR	SOT-23	IC30	Arduino Shield	1	2499914	SN74LV1T34DBVR	0,457	1	SN74LV1T34DB VR	0,410		SN74LV1T34DB VR	0,398
59	1	TPS3705-33D	SOIC-8	IC31	Arduino Shield	1	2296066	TPS3705-33D	1,330	1	TPS3705-33DR	1,580		TPS3705-33D	1,840
60		SN74LVC2G02DCTR	SSOP-8	IC32	Arduino Shield	1	1236358	SN74LVC2G02DC TR	0,452	1	SN74LVC2G02D CTR	0,590		SN74LVC2G02D CTR	0,570
61		LTC3260EMSE#PBF	MSOP-16	IC4	Power board		2115838	LTC3260EMSE#PB F			LTC3260EMSE# PBF-ND	6,780	1	-	
62		TL072CD	SOIC-8	IC5, IC6	Power board		1467663	TL072CDT	0,252		TL072CDT	0,430		TL072CDT	0,416
63		LTC2050HVCS8#PBF	SOIC-8	IC7	Power board	2	1330903	LTC2050HVCS8#P BF	,		LTC2050HVCS8 #PBF-ND	2,850		-	4 000
64	1	MCP23S17-E/SS	SSOP-28	IC8	Power board	2	1467675	MCP23S17-E/SS	1,280	1	MCP23S17- E/SS-ND	1,270	1	579-MCP23S17- E/SS	1,320 1
65 66		REF5025AIDG4 1-726388-2	SOIC-8 THT	IC9 J2	Power board Arduino board	2 1	1439622 2308760	REF5025AIDG4 1-726388-2	3,720 0,085		REF5025AIDR A121493-ND	2,990 0,210	1	REF5025AIDR 571-1-726388-2	2,910 0,235 1
67	2	RT424005	THT	K_PAR, K_SER	Arduino Shield	2			,			,			,
	1	RT424005	THT	K_DOUT2	AUX PS	1									
						3	9950168	G2RL-2 5DC	3,940	1	RTE24005	2,920		RTE24005	2,850
68	2	G6K-2F-5DC	SMD, relay	K_S1, K_S2	Arduino Shield	2	4446185	G6K-2F 5DC	5,870	1	G6K-2F DC5	3,860		G6K-2F-5DC	4,000
69		SK 145/37,5	THT Heatsink for installation of Q21 and Q22 like on the picture here.	KK1	AUX PS	1	4621414	SK 145/37,5 STS- 220	3,530		-	,,,,,,		-	,
	1	M3 nut	For mounting Q21, Q22 to KK1		AUX PS	1	-								
		Washer externally serrated M3, D=6mm	For mounting Q21, Q22 to KK1		AUX PS		7096471	6797/3.0	1,870	100					
	1	M3x8, black finish	For mouniting Q21, Q22 to KK1		AUX PS	1	-								
70	1	RN112-4-02	THT, solder on the bottom layer!	L1	Power board	2	1191474	RN112-4-02	3,240	1	817-1535-ND	2,510	1	631-RN112-4/02	2,290 1
71	1	470uH	SMD; 7.3mm x 7.3mm	L5	AUX PS	1	2455059	SRR0745A-471M	0,918	1	SRR0745A-471M	0,770		SRR0745A-471M	0,814
72		33uH - 7443551331	SMD; 13.2mm x 12.8mm	L2	Power board	2	2211631	Würth - 7443551331	3,070	1	7443551331	3,380		7443551331	2,970
73		IHLP2020CZER3R3M11	SMD; 5.49mm x 5.18mm	L3, L4	Power board	4	1741325	IHLP2020CZER3R 3M11	1,410	5	IHLP2020CZER3 R3M11	2,160		IHLP2020CZER3 R3M11	1,030
74		TFT_320QVT	THT; 2x20-pin socket	LCD1	Arduino Shield	1	7992033	M20-7832046	,	1	M20-7832046	3,160		M20-7832046	2,530
75		HSMG-C170	0805 Green	LED_O1, LED_O2	Arduino Shield	2	5790852	HSMG-C170	0,204	10	HSMG-C170	0,490		630-HSMG-C170	0,060
76	5	HSMH-C170	0805 Red	LED_CC1, LED_CC2, LED_PROG1, LED_PROG2, LED_SP	Arduino Shield	5	5790840	HSMH-C170	0,488	5	HSMH-C170	0,440		630-HSMH-C170	0,060
77	1	HSMD-C170	0805 Orange	LED_PWR	Arduino Shield	1	5790864	HSMD-C170	0,240	5	HSMD-C170	0,440		630-HSMD-C170	0,060
78	4	HSMY-C170	0805 Yellow	LED_CV1, LED_CV2, LED_S1, LED_S2	Arduino Shield	4	5790876	HSMY-C170	0,330	5	HSMY-C170	0,440		630-HSMY-C170	0,060
79	1	10K/Beta:3570K	0805	NTC1	Power board	2	1612623	NTCS0805E3103J MT	0,413	1	NTCS0805E3103 JMT	0,250		NTCS0805E3103 JMT	0,145
80	1	MOC3052	SMD; SDIP-6	OK1	AUX PS	1	2453236	MOC3052SM	0,884	1	MOC3052SM	0,910		MOC3052SM	0,750

							Project so	ource code a	t https	://githu	b.com/e	ez-open			
				RS Componer	nts		TME					Pr	ice calcula	tion fo	r 1 set
#	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ	тнт	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
57	1	TL783CKTTR	660-7455	TL783CKTTR	1,904	5	-				2	RS	1,904 €	2	3,808
58	1	SN74LV1T34DBVR	-				-				1	Mouser	0,398€	1	0,398
59	1	TPS3705-33D	662-3331	TPS3705-33D	0,528	5	-				1	RS	0,528 €	1	0,528
60	1	SN74LVC2G02DCTR	-				SN74LVC2G02DCTR	0,252	5		1	TME	0,252€	1	0,252
61	1	LTC3260EMSE#PBF	851-6768	LTC3260EMSE# PBF	5,800	1	-				2	RS	5,800 €	2	11,600
62	2	TL072CD	857-907P	TL072CD	0,252	1	TL072CD	0,164	3		4	TME	0,164 €	4	0,654
63	1	LTC2050HVCS8#PBF	822-6746	LTC2050HVCS8 #PBF-ND	2,155	2	-		1		2	Farnell	2,110 €	2	4,220
64	1	MCP23S17-E/SS	669-6452	MCP23S17- E/SS	1,168	5	MCP23S17-E/SS	1,290	1		2	RS	1,168 €	2	2,336
65	1	REF5025AIDG4	404-304	REF5025AID	3,500	1	-				2	Mouser	2,910 €	2	5,820
66	1	1-726388-2	680-5772	1-726388-2	0,060	100	1-726388-2	0,082	10	1		RS	0,060 €	1	0,060
67	2	RT424005													
	1	RT424005													
			198-6898	RTE24005	4,676	1	RT424005	1,260	1	3		TME	1,260 €	3	3,780
68		G6K-2F-5DC	683-9633	G6K2F5DC	4,928	1	G6K-2F-5DC	2,490	1	4	2	TME	2,490 €	2	4,980
69	1	SK 145/37,5	-				-			1		Farnell	3,530 €	1	3,530
	1	M3 nut					B3/BN117	0,005				TME	0,005€	1	0,005
	1	Washer externally serrated M3, D=6mm					B3/BN789	0,008				TME	0,008 €	1	0,008
	1	M3x8, black finish					M3X8/D7985B	0,019	100			TME	0,019€	1	0,019
70	1	RN112-4-02	219-3261	RN112-4-02	3,160	1	-			2		Mouser	2,290 €	2	4,580
71	1	470uH	770-1182	DR74-471-R	0,977	5	DE0704-470	0,254	5		1	TME	0,254 €	1	0,254
72	1	33uH - 7443551331	-				-				2	Mouser	2,970 €	2	5,940
73	2	IHLP2020CZER3R3M11	748-6912	IHLP2020CZER 3R3M01	1,518	5	-				4	Mouser	1,030 €	4	4,120
74	1	TFT_320QVT	681-6851	M20-7832046	3,027	5	ZL262-40DG	0,329	2	1		TME	0,329€	2	0,658
75	2	HSMG-C170	435-6767	HSMG-C170	0,206	50	HSMG-C170	0,095	5		2	Mouser	0,060 €	2	0,120
76	5	HSMH-C170	486-0468	HSMH-C170	0,188	25	HSMH-C170	0,057	10		5	TME	0,057 €	5	0,287
77	1	HSMD-C170	486-0525	HSMD-C170	0,231	25	HSMD-C170	0,059	10		1	TME	0,059€	1	0,059
78	4	HSMY-C170	486-0519	HSMY-C170	0,248	25	HSMY-C170	0,060	10		4	Mouser	0,060 €	4	0,240
79	1	10K/Beta:3570K	697-4601	NB12K00103JB B	0,392	5	NTCS0805E3103JMT	0,190	5		2	Mouser	0,145€	2	0,290
80	1	MOC3052	761-3690	MOC3052SM	0,739	5	MOC3052SR2VM	0,380	2		1	TME	0,380€	1	0,380

					cot source code at			Farnell / Element	14	Digi-Ke	<b>y</b>	Mouse	r
#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Part Number	Unit price MOC	Part Number	Unit price MOQ	Part Number	Unit price MOQ €
81 82	2	MOC3062 HCPL-181 HCPL-181	SMD; SDIP-6 SOIC-4 SOIC-4	OK2 OK3, OK4 OK5, OK6	AUX PS AUX PS Arduino Shield	1 2 2	2322554	MOC3062SR2VM	0,977 1	MOC3062SM	1,110	MOC3062SM	0,924
						4	1244525	HCPL-181-000E	0,342 1	HCPL-181-000E	0,560	HCPL-181-000E	0,150
83	2	IRFR5305	TO-252	Q1, Q7	Power board	4	8649820	IRFR5305PBF	0,994 1	IRFR5305PBF- ND	0,810	942- IRFR5305PBF	0,805
		Option #1: SPD30P06P	TO-252	Q1, Q7	Power board		2480881	SPD30P06P G	0,980 1	SPD30P06P GCT-ND	1,030	726- SPD30P06PG	1,020
		Option #2: SUD19P06-60		Q1, Q7	Power board		2101465	SUD19P06-60-GE3	1,590 5	SUD19P06-60- GE3	0,950	SUD19P06-60- GE3	1,070
84		MMBT5551	SOT-23	Q11, Q12, Q17, Q19, Q20	Power board	10	1459109	MMBT5551LT1G	0,167 5	MMBT5551LT1G	0,180	MMBT5551LT1G	0,163
85		MMBT5401 BTA26-600	SOT-23 THT	Q2, Q9, Q10, Q18 Q21, Q22	Power board  AUX PS	8	1459108 1057286	MMBT5401LT1G BTA26-600BRG	0,167 10 2,840 1	MMBT5401LT1G BTA26-600BRG	0,180 2,930	MMBT5401LT1G BTA26-600BRG	0,163 3,110
86 87		IRLL2705PBF	SOT-223	Q13	Power board	2	1037280	BIAZO-000BRG	2,040 1	BIAZO-OUOBRG	2,930	BIAZO-OUOBRG	3,110
o.		IRLL2705PBF	SOT-223	Q23	AUX PS	1							
	-						8651230	IRLL2705PBF	0,578 1	IRLL2705PBF-	0,630 1	942-	0,622 1
										ND		IRLL2705PBF	,
88		IRFR48ZPB	TO-252	Q14	Power board	2	1013388	IRFR48ZPBF	1,310 1	IRFR48ZTRLPBF CT-ND	1,090 1	942- IRFR48ZPBF	1,110 1
89		IRLML2246TRPBF	SOT-23	Q26, Q27, Q28, Q29, Q31	Arduino Shield	5							
	1	IRLML2246TRPBF	SOT-23	Q15	Power board	7	1888166	IRLML2246TRPBF	0,287 1	IRLML2246TRPB F	0,400	IRLML2246TRPB F	0,389
90	2	2N7002	SOT-23	Q24, Q25	AUX PS	2							
	2	2N7002	SOT-23	Q3, Q16	Power board	4							
	3	2N7002	SOT-23	Q30, Q32, Q33	Arduino Shield	3							
						9	1713823	2N7002-7-F	0,135 5	2N7002LT1G	0,130	2N7002LT1G	0,118
91	1	IRFP250N	THT, solder on the bottom layer! See pic here and here	Q4	Power board	2	8649260	IRFP250NPBF	2,080 1	IRFP250NPBF	1,870	IRFP250NPBF	1,870
92	1	BC857C	SOT-23	Q5	Power board	2	8734771	BC857C,215	0,022 10	BC857CLT1G	0,120	BC857CLT1G	0,109
93	2	BCP56-16.115	SOT-223	Q6, Q8	Power board	4	1081258	BCP56-16,115	0,256 5	BCP56-16T1G	0,360	BCP56-16,115	0,340
94	4	0R	0805	JP1, JP2, JP3, R56	Power board	8							
	5	0R	0805	JP4, JP5, JP6, JP7, JP8	Arduino Shield	5							
						13	9233750	RC0805JR-070RL	0,010 10	RC2012J000CS	0,014	RC0805JR- 070RL	0,012
c=	_	4001/ 40/	0005	D40 D45 D00 D00 D70 D70	Dames k	40							
95		100K 1%	0805	R12, R15, R22, R23, R73, R75	Power board	12							
	1	100K 1%	0805	R123	AUX PS	1							

								ource code at	πιμδ.	,, yıtı lü	0.0011//6				. 4 4
#				RS Componer			TME					Pi	rice calcula Lowest	tion fo	r 1 set
#	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	unit price €	Order Qty	Line Cost €
81		MOC3062	806-6064	MOC3062SM	0,718	10	MOC3062XSM	0,410	1		1	TME	0,410 €	1	0,410
82		HCPL-181													
	2	HCPL-181	693-5277	HCPL-181-000E	0,343	10	HCPL-181-000E	0,250	2		4	Mouser	0,150 €	4	0,600
83	2	IRFR5305	543-2496	IRFR5305PBF	0,994	1	IRFR5305PBF	0,540	1		4	TME	0,540 €	2	1,080
		Option #1: SPD30P06P	898-6864	SPD30P06P G	0,861	1	SPD30P06PGBTMA1	0,780	1						
		Option #2: SUD19P06-60	-				-								
84	5	MMBT5551	545-0400	MMBT5551LT1G	0,129	10	MMBT5551	0,020	25		10	TME	0,020 €	25	0,510
85	4	MMBT5401	545-0393	MMBT5401LT1G	0,151	10	MMBT5401	0,021			8	TME	0,021 €	25	0,513
86	2	BTA26-600	714-0515	BTA26-600BRG	3,038	1	BTA26-600BRG	2,540	1	2		TME	2,540 €	2	5,080
87	1	IRLL2705PBF													
	1	IRLL2705PBF													
			540-9907	IRLL2705PBF	0,260	1	IRLL2705PBF	0,307	1		3	RS	0,260 €	3	0,780
88	1	IRFR48ZPB	688-7055	IRFR48ZPBF	1,234	1	IRFR48ZPBF	0,540	1		2	TME	0,540 €	2	1,080
89	5	IRLML2246TRPBF													
	1	IRLML2246TRPBF													
			760-4432	IRLML2246TRP BF	0,322	5	IRLML2246TRPBF	0,100	5		7	TME	0,100€	7	0,700
90	2	2N7002													
	2	2N7002													
	3	2N7002													
			545-0012	2N7002LT1G	0,108	50	2N7002LT1G	0,019	25		9	TME	0,019€	25	0,475
91	1	IRFP250N	541-0042	IRFP250NPBF	2,100	1	IRFP250NPBF	1,060	1	2		TME	1,060 €	2	2,120
92	1	BC857C	690-0105	BC857CLT1G	0.102	25	BC857C-DIO	0,020	25		2	TME	0,020 €	2	0,040
93		BCP56-16.115		BCP56-16T3G			BCP56-16.115	0,106			4	TME	0,106€		0,424
94	4	0R													
	5	0R													
			679-0800	CRCW08050000 Z0EA	0,020	50	SMD0805-0R	0,006	100		13	TME	0,006€	15	0,090
		1001/ 10/													
95		100K 1%													
		100K 1%								I					

								Farnell / Element	:14		Digi-	<b>K</b> ey	Mouse	r
#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Part Number	Unit p	rice MC	Q Part Number	Unit price MOQ	Part Number	Unit price MOQ
	2	100K 1%	0805	R135, R146	Arduino Shield	2								
						15	2352619	RCV0805100KFKE A	0,	,080 10	RC0805FR- 07100KL	0,019	RC0805FR- 07100KL	0,015
96	2	100K 0.1%	0805	R43, R53	Power board	4	1577686	ERA6AEB104V	0,	,205 5	RT0805BRD07 0KL	10 0,350	CPF0805B100KE	0,095
97		100R 1%	0805	R116	AUX PS	1								
		100R 1%	0805	R155	Arduino Shield	1								
	3	100R 1%	0805	R7, R8, R42	Power board	6 8	9332375	MC01W08051100R	0,	,002 10	RC0805FR- 07100RL	0,019	RC0805FR- 07100RL	0,015
98	2	10K 1%	0805	R121, R122	AUX PS	2								
	5	10K 1%	0805	R139, R145, R149, R157, R165	Arduino Shield	5								
	19	10K 1%	0805	R3, R10, R11, R19, R27, R40, R49, R51, R58, R64, R69, R72, R74, R82, R91, R94, R95, R98, R102	Power board	38								
						45	9237755	RC0805FR-0710KL	. 0	,011 10	RC0805FR- 0710KL	0,019	RC0805FR- 0710KL	0,015
00		10R 1%	1206	R143	Arduino Shield									
99		10R 1%	1206	R9, R33, R81	Power board	1 6								
		101(17)	1200	16, 165, 161	Towor board	7	9236643	RC1206FR-0710RL	. 0,	,017 10	RC1206FR- 0710RL	0,029	RC1206FR- 0710RL	0,022
100	1	12K4 1%	0805	R144	Arduino Shield	1	2141850	MC01W0805112K4	0,	,002 10	RC0805FR- 0712K4L	0,090	RC0805FR- 0712K4L	0,091
101	1	18-22R / 7W	THT, RM 5mm, radial, max. Height 40 mm	R103	AUX PS	1	1687978	SQM7-22RJI	0,	,474 1	SQMW722RJ	0,590	280-PRM7-20- RC	0,378
102	2	16K 1%	0805	R17, R34	Power board	4	9332677	MC01W0805116K	0,	,002 10	RC0805FR- 0716KL	0,019	RC0805FR- 0716KL	0,015
103		180R 1%	0805	R134, R147, R148, R150	Arduino Shield		2447583	MCWR08X1800FT L	0,	,006 10	RC0805FR- 07180RL	0,019	RC0805FR- 07180RL	0,015
104		1K 1%	0805	R114, R120	AUX PS	2								
		1K 1%	0805	R163, R164	Arduino Shield	2								
	5	1K 1%	0805	R28, R38, R68, R78, R92	Power board	10 14	1099800	WCR0805-1K0FI	0,	,018 10	RC0805FR- 071KL	0,019	RC0805FR- 071KL	0,015
405	0	11/0 10/	0005	D24 D55	Dowerks									
105		1K8 1% 1K8 1%	0805 0805	R24, R55 R130, R151	Power board Arduino Shield	4 2								
	2	TRO 1 /0	0003	K130, K131	Arduino Snielu		2447595	MCWR08X1801FT L	0	,006 10	RC0805FR- 071K8L	0,019	RC0805FR- 071K8L	0,015
106	2	1R 1%	0805	R129, R132	Arduino Shield	2								
	1	1R 1%	0805	R6	Power board	2	21/1620	MC01W080511D0	0	002 40	DC0805ED	0.000	PC0805EP	0.001
						4	2 14 1029	WIGUTYVUOUSTIRU	U,	,002 10	071RL	0,090	071RL	0,091
	1	1R 1%	0805	R6	Power board		2141629	MC01W080511R0	0,	,002 10		0,090	RC0805FR- 071RL	0,091

	RS Components						TME	urce code a					ice calcula	tion fo	r 1 set
#	0.	5 /	0.1								01.15	Best	Lowest	Order	
	Qty	Part name	Code	Part Number	€	MOQ	Code / Part Number	€	MOQ	THT	SMD	Supplier	unit price €	Qty	Line Cost €
	2	100K 1%										'			
			223-0691	CRG0805F100K	0,007	50	SMD0805-100K-1%	0,008	100		15	RS	0,007€	15	0,105
96	2	100K 0.1%	666-2673	CPF0805B100K E	0,112	5	RN73C2A100KBTDF	0,513	2		4	Mouser	0,095€	4	0,380
97	1	100R 1%													
		100R 1%													
	3	100R 1%	679-0807	CRCW0805100 RFKEA	0,031	50	RC0805FR-07100R	0,008	100		8	Farnell	0,002€	10	0,020
••	•	401/ 40/													
98		10K 1% 10K 1%													
	J	TOR 170													
	19	10K 1%													
			223-0562	CRG0805F10K	0,021	50	RC0805FR-0710K	0,008	100		45	TME	0,008€	50	0,385
99	1	10R 1%													
99		10R 1%													
			740-9085	CR1206-FX- 10R0ELF	0,028	50	CRCW120610R0FKTA BC	0,014	100		7	TME	0,014 €	10	0,137
400	4	12K4 1%	679-0863	CDCW090E49K	0.000	E0.					1	Fornall	0,002 €	10	0.000
100		18-22R / 7W	199-8087	CRCW080512K 4FKEA SQMW722RJ	0,008		-			1	1	Farnell	0,002€		0,023 0,378
101		10-221( / / / / /	199-0007	3QIVIVV / ZZINJ	0,723	3	-					Mousei	0,570 €	'	0,576
102	2	16K 1%	679-0920	CRCW080516K 0FKEA	0,014	50	SMD0805-16K-1%	0,008	100		4	Farnell	0,002€	10	0,020
103		180R 1%	223-0326	CRG0805F180R	0,006	50	SMD0805-180R-1%	0,008	100		4	Farnell	0,024 €	10	0,240
104		1K 1%													
		1K 1%													
	5	1K 1%	223-0427	CRG0805F1K0	0,013	50	RC0805FR-071K	0,008	100		14	TME	0,008€	15	0,116
			223-0421	CRG0000F INU	0,013	50	RC0003FR-07 IX	0,006	100		14	TIVIE	0,006 €	13	0,116
105	2	1K8 1%													
		1K8 1%													
			679-1033	CRCW08051K8 0FKEA	0,011	50	SMD0805-1K8-1%	0,008	100		6	Farnell	0,006€	10	0,063
106	2	1R 1%													
	1	1R 1%													
	,	11. 170	721-5631	ERJ6BQF1R0V	0,246	5	RC0805FR-071R	0,009	100		4	Farnell	0,002€	10	0,022

								Farnell / Element	:14		Digi-Ke	у		Mouser		
#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Part Number	Unit price MO	Q Part I	Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
107	2	24K 0.1%	0805	R44, R54	Power board	4	1670195	ERA3AEB243V	0,184 10	YAG184	3CT-ND	0,330	1	660- RN732ATTD2402 B25	0,292	1
108	2	22R 1%	0805	R124, R125	AUX PS	2	2447609	MCWR08X22R0FT L	0,007 10	0603YC	104KAT2	0,090	1	603-RC0805FR- 0722RL	0,094	1
109	11	220R 1%	0805	R21, R31, R35, R36, R41, R47, R57, R76, R77, R79, R80	Power board	22										
	3	220R 1%	0805	R110, R113, R118	AUX PS	3										
	2	220R 1%	0805	R166, R177	Arduino Shield	2										
						27	1099795	WCR0805-220RFI	0,024 10	RC0805 07220R		0,019		RC0805FR- 07220RL	0,015	
440	_	014.0.404	0005	D00 D=0			4070004	ED 4 0 4 ED 000 /	0.050 44	D0 01/D				007 504	0.545	
110		2K 0.1% 2K2 1%	0805	R60, R70	Power board	4	1670231	ERA6AEB202V	0,259 10	P2.0KD	ACT-ND	0,370	1	667-ERA-	0,547	1
111		2K2 1%	0805 0805	R106, R107, R119 R29, R30, R32, R45, R59, R61,	AUX PS Power board	3 16										
	0	ZNZ 170	0003	R90, R93	rowel boald		9237534	RC0805FR-072K2L	. 0,011 10	RC0805	ED	0,019		RC0805FR-	0,015	
						19	9237334	NO00001 N-072N2L	. 0,011 10	072K2L		0,019		072K2L	0,013	
112	1	2R2 5% / 2W	2512	R26	Power board	2	1376975	RC2512JK- 7W2R2L	0,557 10	CRM25 2R2ELF		0,320		CRM2512-JW- 2R2ELF	0,341	
113	3	330K 1%	0805	R13, R20, R25	Power board	6	9333070	MC01W08051330K	0,002 10	RC0805 07330K		0,090	1	RC0805FR- 07330KL	0,091	1
114	2	330R 1%	0805	R83, R101	Power board	4	9333037	MC01W08051330R	0,002 10	RC0805 07330R		0,090		RC0805FR- 07330RL	0,091	
115	4	330R 5% / 2W	2512	R104, R105, R108, R111	AUX PS	4	1265196	3520330RJT	0,122 10	RHC25	12FT330R	0,760		3521330RFT	0,580	
116		470R 1%	0805	R37, R50	Power board	4	1099798	WCR0805-470RFI	0,024 10	RC0805 07470R		0,019		RC0805FR- 07470RL	0,015	
117		47K 1%	0805	R154, R158	Arduino Shield	2										
	7	47K 1%	0805	R5, R66, R67, R85, R86, R87, R100	Power board	14										
						16	2447664	MCWR08X4702FT L	0,006 10	RC0805 0747KL		0,019		RC0805FR- 0747KL	0,015	
		4K7 1%	0805	R126, R127, R128, R131, R133, R136, R137, R156, R159, R161, R162	Arduino Shield	11										
	1	4K7 1%	0805	R16	Power board	2										
						13	9333266	MC01W080514K7	0,002 10	RC0805 074K7L		0,019		RC0805FR- 074K7L	0,015	
440	1	40D0 40/	0005	D420 D440 D444 D440	Arduino Shield											
119		49R9 1% 49R9 1%	0805 0805	R138, R140, R141, R142 R109, R112	AUX PS	4										
	2	49R9 1%	0605	K109, K112	AUX PS		2141727	MC01W0805149R9	0,002 10	RC0805 0749R9		0,019		RC0805FR- 0749R9L	0,015	
120	1	51K 1%	0805	R48	Power board	2	9334653	MC01W0805551K	0,015 10	RC0805		0,019		RC0805FR- 0751KL	0,015	
121	3	5K1 1%	0805	R18, R84, R97	Power board	6	9333320	MC01W080515K1	0,002 10		FR-	0,019		RC0805FR- 075K1L	0,015	
122	2	5K6 1%	0805	R115, R117	AUX PS	2										
		5K6 1%	0805	R88, R99	Power board	4										

				<b>DO 0</b>					πιμδ.	//github.com/e				. 4 1
#				RS Componer			TME				Pı	ice calcula	ition fo	r 1 set
#	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ	THT SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
107	2	24K 0.1%					AR0805-24K-0.1%	0,111	10	4	TME	0,111 €	4	0,442
108	2	22R 1%	223-0203	CRG0805F22R	0,006	50	SMD0805-22R-1%	0,008	100	2	RS	0,006€	2	0,012
109		220R 1%												0,000
		220R 1%												
	2	220R 1%	223-0332	CRG0805F220R	0,024	50	RC0805FR-07220R	0,007	100	27	TME	0,007€	50	0,357
110	2	2K 0.1%	828-0554	ERA6AEB202V	0,230	5	AR0805-2K-0.1%	0,113	10	4	TME	0,113 €	4	0,452
111	3	2K2 1%	020 000 .		0,200	Ŭ	7 11 10 00 0 21 1 0 1 1 7 0	0,1.0		·		0,110 0	·	0, 102
	8	2K2 1%	679-1207	CRCW08052K2	0,027	50	SMD0805-2K2-1%	0,008	100	19	TME	0,008€	30	0,242
				0FKEA										
112	1	2R2 5% / 2W	720-3231	CRM2512-JW- 2R2ELF	0,406	5	WF25P-2R2-5%	0,042	50	2	TME	0,042€	2	0,084
113	3	330K 1%	679-1272		0,024	50	RC0805FR-07330K	0,007	100	6	Farnell	0,002 €	10	0,020
114	2	330R 1%	740-9022	KFKEA CR0805-FX- 3300GLF	0,025	50	RC0805FR-07330R	0,007	100	4	Farnell	0,002€	10	0,020
115	4	330R 5% / 2W	755-1224	3521330RFT	0,182	10	WF25P-330R-5%	0,042	50	4	TME	0,042€	10	0,419
116		470R 1%	223-0376	CRG0805F470R	0,024	50	RC0805FR-07470R	0,007	100	4	TME	0,007€	10	0,073
117		47K 1%												
	1	47K 1%												
			679-1434	CRCW080547K 0FKEA	0,010	50	RC0805FR-0747K	0,007	100	16	Farnell	0,006€	20	0,126
118	11	4K7 1%												
	1	4K7 1%												
	1	41(7-170	223-0528	CRG0805F4K7	0,011	50	RC0805FR-074K7	0,008	100	13	Farnell	0,002€	20	0,040
119		49R9 1%												
	2	49R9 1%	679-1462	CRCW080549R 9FKEA	0,011	50	RC0805FR-0749R9	0,007	100	6	Farnell	0,002€	10	0,020
120		51K 1%	679-1525	CRCW080551K 0FKEA	0,020		RC0805FR-0751K	0,006		2	TME	0,006€		0,061
121		5K1 1%	679-1569	CRCW08055K1 0FKEA	0,027	50	RC0805FR-075K1	0,007	100	6	Farnell	0,002€	10	0,021
122		5K6 1%												
	2	5K6 1%												

								Farnell / Element1	4		Digi-Key		Mouser	
#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Part Number	Unit price €	MOQ	Part Number U	nit price MO	Part Number	Unit price MOQ €
						6	2447693	MCWR08X5601FT L	0,006	10	RC0805FR- 075K6L	0,019	RC0805FR- 075K6L	0,015
123	3	750R 1%	0805	R46, R89, R96	Power board	6								
0		750R 1%	0805	R152, R153	Arduino Shield	2								
						8	9333525	MC01W08051750R	0,002	10	RC0805FR- 07750RL	0,019	RC0805FR- 07750RL	0,015
124	2	7K5 <mark>0.1%</mark>	0805	R39, R52	Power board	4	1670239	ERA6AEB752V	0,312	10	RT0805BRD077 K5L	0,350	RT0805BRD077 K5L	0,357
125	2	82R 0.1%	0805 / 0603	R62, R71	Power board	4	1577592	ERA3AEB820V	0,185	10	P82DBCT-ND	0,370 1	667-ERA- 6AEB820V	0,547 1
126	1	0R010 1% / 2W	2512 or 1206 / min 1W	R4	Power board	2	1435947	CRA2512-FZ- R010ELF	0,484	10	CRA2512-FZ- R010ELF	0,540	CRA2512-FZ- R010ELF	0,568
127		0R020 1% / 2W	2512, 2W	R65	Power board	2	2079436	LRMAM2512- R02FT4	0,250	10	CRA2512-FZ- R020ELF	0,540	CRA2512-FZ- R020ELF	0,568
128	1	0R16 1%	1210	R63	Power board	2	2503067	WW10PR160FTL	0,626	10	CRL1206-FW- R160ELFCT-ND	0,380 1	652- CRL1206FWR16 0ELF	0,341 1
129	1	1M 1%	0805	R176	Arduino Shield	1	2447596	MCWR08X1004FT L	0,006	10	311-1.00MCRCT- ND	0,090 1	603-RC0805FR- 071ML	0,094 1
130	2	4x10K 5%	1206; resistor array	RN1, RN2	Arduino Shield	2	1770137	CAY16-103J4LF	0,110	10	CAY16-103J4LF	0,090	CAY16-103J4LF	0,095
131		CG2-470L	THT	SAR1	AUX PS	1	1846854	2027-47-BLF	1,850	1	2027-47-BLF	1,270	2027-47-BLF	1,340
132		LD-BZEN-0903 A101SYCQ04	THT	SP1 Buzzer	Arduino Shield	1	-	A4040VC004	0.700	4	-	2.000	TE092703-6	2,200
133			THT, solder on the bottom layer. See pic here.	SW1	Arduino Shield	1	2292959	A101SYCQ04	_,	1	A101SYCQ04	3,000	A101SYCQ04	2,640
134		PEC12R-4225F-S0024	THT	SW2 incremental encoder, shaft length 25 mm	Arduino Shield	1	2663533	PEC12R-4225F- S0024	1,580	1	PEC12R-4225F- S0024-ND	1,180 1	652-PEC12R- 4225F-S24	1,150 1
135 136		1301.9316 VTX-214-005-0512	SMD; tactile switch	SW3 TR1	Arduino Shield AUX PS		1217765 2627176	1301.9316 VTX-214-005-0512	0,302 5,980		FSM6JSMA	0,210	1301.9316	0,270
130	'	V 1X-214-003-0312	1111	IKI	AUX F3	•	2021110	V 1 X-2 14-003-03 12	3,900	'	-		-	
137	2	ERZE14A431	THT	VAR1, VAR2	AUX PS	2	2291852	ERZE14A431	0,546	1	P15589-ND	0,990 1	667-ERZ- E14A431	0,905 1
138	2	ERZE11A431	THT	VAR3, VAR4	AUX PS	2	2291831	ERZE11A431	0,418	1	P16688-ND	0,470 1	667-ERZ- E11A431	0,472 1
139		39-30-1039	THT 4,2mm 3-pin	X1	Power board		2425045	39-30-1039	0,550	1	WM18442-ND	0,630 1	538-39-30-1039	0,585 1
140		2411-01	THT, solder on the bottom layer!	X11 USB Connector	AUX PS	1	1177884	2411-01	1,050	1	952-1767-ND	0,730	710- 61400413321	1,200
141		ZL305-08 (or similar with 0.1" raster and <b>5mm</b> height)	THT, solder on the bottom layer! Two headers per one connector.	X12, X14 Front Treminal	Arduino Shield	4	-				-		-	
142	2	TSW-113-07-F-D	THT; 2x13-pin header	X13, X15 Power board main connectors	Arduino Shield	2	2025182	TSW-113-07-F-D	2,240	5	TSW-113-07-L-D	2,470	710- 61302621121	1,410
143	1	22-23-2021	THT	X17 AUX temp	Arduino Shield	1	1462926	22-23-2021	0,100	1	22-23-2021	0,140	22-23-2021	0,141
144		SSW-113-02-T-D-RA	THT; 2x13-pin socket	X2	Power board		1805583	SSW-113-02-G-D- RA	5,700		SSW-113-02-G- D-RA	5,340	-	
145		39-30-3055	THT 4,2mm 5pin	X3 AC In	AUX PS		9963561	39303055	0,530	1	39-30-3055	1,180	39-30-3055	0,923
146		09185107324	THT; 2x5-pin header	X5	AUX PS	1								
	1	09185107324	THT; 2x5-pin header	X16	Arduino Shield	1 2	1096985	09 18 510 7324	1,220	1	09185107324	1,460	09185107324	1,460
						2	1090900	03 10 010 / 324	1,220	ı	09100107324	1,400	09 100 107 324	1,400

				RS Componer	nts		TME					Pı	rice calcula	tion fo	r 1 set
#	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ	тнт	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
			679-1572	CRCW08055K6 0FKEA	0,021	50	SMD0805-5K6-1%	0,008	100		6	Farnell	0,006€	10	0,063
123	3	750R 1%													
123		750R 1%													
			679-1660	CRCW0805750 RFKEA	0,010	50	CRCW0805750RFKTA BC	0,012	100		8	Farnell	0,002€	20	0,040
124	2	7K5 0.1%	666-2588	CPF0805B7K5E	0,280	5	RN73C2A7K5BTDF	0,520	2		4	RS	0,280 €	5	1,400
125	2	82R 0.1%	565-863	ERA6AEB820V	0,046	5	AR0805-82R-0.1%	0,113	10		4	RS	0,046 €	10	0,460
126	1	0R010 1% / 2W	693-4381	CRA2512-FZ- R010ELF	0,515	5	LRP2512-R010-1%	0,151	5		2	TME	0,151 €	5	0,754
127	1	0R020 1% / 2W	693-4384	CRA2512-FZ- R020ELF	0,507	5	WW25NR020FTL	0,189	5		2	TME	0,189€	5	0,945
128	1	0R16 1%	794-4207	CRL1206-FW- R160ELF	0,071	10	CS1206N2-0R16-1%	0,061	10		2	TME	0,061 €	5	0,305
129	1	1M 1%	223-0821	CRG0805F1M0	0,019	50	RC0805FR-071M	0,008	100		1	Farnell	0,006€	5	0,029
130	2	4x10K 5%	522-5585	CAY16-103J4LF	0,020	50	DR1206-10K-4/8	0,007	100		2	TME	0,007€	2	0,013
131	1	CG2-470L	878-3652	CG2-470L	2,279	10	CG2-470L	1,450	1	1		Digikey	1,270 €	1	1,270
132 133	1	LD-BZEN-0903 A101SYCQ04	- 710-9788	A101SYCQ04	2,576	1	LD-BZEN-0903	0,504	3	1		TME RS	0,504 € 2,576 €	3 1	1,512 2,576
100	•	Altitorogu <del>s</del>	710-3700	AIDIOIOQU	2,570					'		110	2,570 C	'	2,570
134	1	PEC12R-4225F-S0024	781-6811	PEC12R-4225F- S0024	1,120	1	-		1	1		RS	1,120 €	1	1,120
135	1	1301.9316	718-2443	FSM6JSMATR	0,818	5	1301.9316	0,220	5		1	Digikey	0,210 €	1	0,210
136	1	VTX-214-005-0512	-				-			1		Farnell	5,980 €	1	5,980
137	2	ERZE14A431	785-8960	ERZE14A431	0,928	5	-			2		Farnell	0,546 €	2	1,092
138	2	ERZE11A431	785-8904	ERZE11A431	0,249	25	-			2		RS	0,249€	2	0,498
139	1	39-30-1039	670-5751	39-30-1039	0,550	5	MX-5566-03A3	0,498	1	2		TME	0,498 €	2	0,996
140	1	2411-01	-				2411-01	0,660	1	1		TME	0,660 €	1	0,660
141	4	ZL305-08 (or similar with 0.1" raster and <b>5mm</b> height)	-				ZL305-08	0,560	1	4		TME	0,560 €	4	2,240
142	2	TSW-113-07-F-D	-				-			2		Mouser	1,410 €	2	2,820
143	1	22-23-2021	679-5583	22-23-2021	0,087	10	MX-22-23-2021	0,070	10	1		TME	0,070€	1	0,070
144	1	SSW-113-02-T-D-RA	-				ZL263-26DG	0,399	2	2		TME	0,399€	2	0,798
		39-30-3055	670-5861	39-30-3055	0,563	5	-			1		Farnell	0,530 €	1	0,530
146		09185107324 09185107324													
			740-7108	09185107324	1,442	1	T821-1-10-S1	0,290	2	2		TME	0,290 €	2	0,580

								Farnell / Element	14	Digi-Ke	у	Mouse	r
#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Part Number	Unit price MOC	Part Number	Unit price MOQ	Part Number	Unit price MOQ €
147	1	22-23-2031	THT	X4 FAN Connector	AUX PS	1	1462950	22-23-2031	0,081 1	22-23-2031	0,210	22-23-2031	0,198
148	1	CTB9300/3A	THT	X6 DOUT2 Connector	AUX PS	1	3882044	CTB9300/3A	0,176 1	ED2800-ND	0,350 1	710- 691311700103	0,620 1
149	1	LMJ2138812S0LOT6C or WE 74990101210	r THT, solder on the bottom layer!	X7 RJ45 Connector	AUX PS	1	2356129	74990101210	7,110 1	732-4497-5-ND	9,450 1	710- 74990101210	6,960 1
150	1	826629-8	THT 8-Pin Header	X8	AUX PS	1							
	6	826629-8	THT 8-Pin Header	MCU-ADCL, MCU-ADCH, MCU- COMM, MCU-PWML, MCU- PWMH, X18	Arduino Shield	6							
						7	1022256	M20-9990845	0,117 10	M20-9990845	0,240	M20-9990845	0,317
151	1	826629-6	THT 6-Pin Header	MCU-POWER	Arduino Shield	1	1022255	M20-9990646	0,161 10	952-2270-ND	0,220 1	855-M20-	0,226 1
450	,	40.00.7004	TUT 0::40 Dia Handar	MOLL DIGITAL	Andrian Obiald		0050447	04000004404	4.500 4	MARGOOO OO ND	2.000 4	9990646	4.000 4
152		10-89-7361	THT 2x18-Pin Header	MCU-DIGITAL	Arduino Shield		2356147	61303621121	1,580 1	WM50022-36-ND	3,020 1	538-10-89-7361	1,680 1
153		826629-5	THT 5-Pin Header	X10	AUX PS		2452473	826629-5	0,631 50	826629-5	0,660	M20-9990545	0,217
154		32.768kHz	THT	Y1	Arduino Shield	1	1611828	AB38T-32.768KHZ	0,185 1	AB38T- 32.768KHZ	0,150	AB38T- 32.768KHZ	0,155
155	1	25MHz	SMD, 11.5mm x 4.7mm	Y2	Arduino Shield	1	2467741	ABLS-25.000MHZ- B4-F-T	0,393 1	ABLS- 25.000MHZ-B4- F-T	0,240	ABLS-25.0M-F-T	0,260
156	1	SMAJ51A	DO-214AC	ZD1	Power board	2	1578999	SMAJ51A	0,163 5	SMAJ51ALFCT- ND	0,370 1	576-SMAJ51A	0,405 1
157	5	SMAJ18A	DO-214AC	ZD8, ZD9, ZD11, ZD12, ZD14	Arduino Shield	5							
	1	SMAJ18A	DO-214AC	ZD6	AUX PS	1							
						6	1749305	SMAJ18A-TR	0,070 10	SMA6J18A-TR	0,340	SMA6J18A-TR	0,407
158	1	BZX384-C4V3	SOD-323	ZD13	Arduino Shield	1	8735697	BZX384-C4V3	0,182 5	MM3Z4V3T1G	0,130	BZX384- C4V3,115	0,110
159		BZX384-C15.115	SOD-323	ZD2	Power board	2	8735506	BZX384-C15	0,182 5	MM3Z15VT1G	0,130	MM3Z15VT1G	0,118
160		PDZ6.2B	SOD-323	ZD3	Power board	2	1757863	PDZ6.2B,115	0,266 5	MM3Z6V2T1G	0,130	MM3Z6V2T1G	0,118
161		P4SMAJ48A	DO-214AC	ZD7, ZD10	Arduino Shield	2	1749310	SMAJ48A-TR	0,264 1	SMAJ48A-TR	0,340	SMAJ48A-TR	0,340
162	2	1.5KE400CA	ТНТ	ZD4, ZD5	AUX PS	2	2341650	1.5KE400CARL	0,777 1	1.5KE400CA-TP	0,560	1.5KE400CA-TP	0,549
ı		Not installed											
		1u 50V X7R	0805, 50V	C104A, C109A	Arduino Shield	2							
		n.c.	0805	C12	Power board	2	_						
	1		0805	C149	Arduino Shield	1	_						
	4		0805	C142, C143, C147, C148	Power board	8	_						
		n.c.	1206	C144	Power board	2	_						
		2m2	THT, Ø18mm, solder on bottom layer!	C145, C146	Power board	4	-						
	2	470n 50V X7R	0805, 50V	C150, C153	Arduino Shield	2							
		4n7 100V X7R	0805	C151, C152	Arduino Shield	2							
		100n	0805	C154	Arduino Shield	1	-						
	1	220n X7R	0805	C155	Arduino Shield	1	-						
	1	1uF/50V Tant.	6032	C27	power bord	1	-						
	1	n.c.	0805	C62	Power board	2	-						
		47u 35V	SMD ELCO, Ø6.3 x 5.8mm	C77, C80	AUX PS	2							

				RS Componer	nts		TME					Pi	rice calcula	tion fo	r 1 set
#	Qty	Part name	Code	Part Number	Unit price	MOQ	Code / Part Number	Unit price	MOQ	THT	SMD	Best	Lowest unit price	Order	Line Cost €
					€			€				Supplier	€	Qty	
147	1	22-23-2031	679-5587	22-23-2031	0,083	10	MX-22-23-2031	0,080	10	1		TME	0,080€	1	0,080
148	1	CTB9300/3A					TBG-5.0-PW-3P	0,114		1		TME	0,114 €	1	0,114
149	1	LMJ2138812S0LOT6C or WE 74990101210	814-9875	74990101210	7,180	1	LMJ2138812S0LOT6C	2,950	1	1		TME	2,950 €	1	2,950
150		826629-8													
	6	826629-8													
			681-2997	M20-9990845	0,125	10	ZL201-08G	0,065	10	7		TME	0,065€	10	0,649
151	1	826629-6	745-7062	M20-9990646	0,244	10	ZL201-06G	0,037	10	1		TME	0,037€	1	0,037
152	1	10-89-7361	828-1569	61303621121	1,626	1	-			1		Farnell	1,580 €	1	1,580
153	1	826629-5	681-2981	M20-9990545	0,160	10	ZL201-05G	0,032	25	1		TME	0,032€	1	0,032
154	1	32.768kHz	226-1443	LFXTAL002995	0,532	1	32.768K-TC38	0,144	5	1		TME	0,144 €	1	0,144
155	1	25MHz	814-9550	QCS25.0000F18 B23R	0,217	10	25.00M-SMDHC49S	0,373	2		1	RS	0,217€	1	0,217
156	1	SMAJ51A	687-3309	SMAJ51A R3	0,073	25	SMAJ51A-LF	0,175	3		2	RS	0,073 €	2	0,146
157	5	SMAJ18A													
	1	SMAJ18A													
			795-9268	SMA6J18A-TR	0,112	25	P4SMAJ18A-DIO	0,105	5		6	Farnell	0,070 €	6	0,420
158	1	BZX384-C4V3	508-696	BZX384-C4V3	0,013	100	BZT52C4V3-DIO	0,019	25		1	RS	0,013€	1	0,013
159	1	BZX384-C15.115	802-4568	MM3Z15VST1G	0,013		BZX384-C15.115	0,019			2	RS	0,013 €	2	0,026
160	1	PDZ6.2B	725-8247	PDZ6.2B,115	0,014		PDZ6.2B	0,019			2	RS	0,014 €		0,028
161 162	2	P4SMAJ48A 1.5KE400CA	687-3286 486-4381	SMAJ48A 1.5KE400CA	0,098 0,781		P4SMAJ48A-DIO 1.5KE400CA	0,102 0,256		2	2	RS TME	0,098 € 0,256 €	2	0,196 0,512
102	2	1.5KE400CA	400-4301	1.5KE400CA	0,761	5	1.5KE400CA	0,230	3			IIVIE	0,250 €	2	
									3	57	661				200,26 €
		Not installed													
	2	1u 50V X7R									2				
	1	n.c.									2				
	1	1u					-				1				
	4	1n									8				
	1	n.c.									2				
	2	2m2					-			4					
	2	470n 50V X7R									2				
	2	4n7 100V X7R									2				
	1	100n					-				1				
	1	220n X7R									1				
	1	1uF/50V Tant.									1				
	1	n.c.					-				2				
	2	47u 35V													

							Farnell / Element	14		Digi-Ke	у		Mouser	
Qty	Part name	Package	Reference designator	Board name	Qty	Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price M0
1	SMBJ5.0A-TR	DO-214AA	D17	Arduino Shield	1	-								
	STPS15H100	TO-252	D22, D23, D24, D25	Power board	8	-								
	74LVC1G125GW.125	TSSOP-5	IC33	Arduino board	1	-								
1	TPA6205A1DGN	MSOP-8	IC34	Arduino board	1	-								
1	693072010801	Micro SD card	J7	Arduino board	1	-								
	HSMY-C170	0805 Yellow	LED	Power board	2	-								
	n.c.	0805	R1	Power board	2	-								
	1R 1%	0805	R136A, R140A	Arduino Shield	2									
	47K 1%	0805	R160, R174	Arduino Shield	2									
	n.c.	1206	R167	Power board	2	-								
	12K	1208	R168	Power board	2	-								
	20K 1%	0805	R169, R175	Arduino board	2									
	1K 1%	0805	R170, R171	Arduino Shield	2									
	10K 1%	0805	R172, R173	Arduino Shield	2									
	n.c.	0805	R2, R14	Power board	4	-								
	LD-BZEN-0903	THT	SP2, if used mount SP1 on this position	Arduino Shield	1	-								
	826629-5	THT	X9	AUX PS	1	-								
1	282836-2	THT	X19	Power board	2	-								
	PCA-6B-20-HL-3 or 52746-2071	SMT	X20 3.5" Riverdi TFT LCD	Arduino board	1	-								
1	FFC 20-pin cable 150 mm		3.5" Riverdi TFT LCD	Arduino board	1	-								
1	n.c.		ZD15	Power board	2	-								
2	Power module AC input 2200uF 63V	THT, solder on bottom layer!	! C145. C146	Power board	4	1822562	UVR1J222MHD	2,540	1	UVR1H222MHD	1,680	)	UVR1H222MHD	1,710
	Option #1:	THT, solder on bottom layer!		Power board	0	1822570	UVZ1H222MHD	2,420	1	UVZ1H222MHD	1,500		UVZ1H222MHD	1,690
	UVZ1H222MHD	•												
	Option #2: UVZ1J222MHD	THT, solder on bottom layer!		Power board	0	1822575	UVZ1J222MHD	2,420	1	UVZ1J222MHD	2,210		UVZ1J222MHD	2,780
	STPS15H100	TO-252	D22, D23, D24, D25	Power board		2344052	STPS15H100CB- TR	1,070		STPS15H100CB	0,900		STPS15H100CB	0,896
	12K 1%	1206	R168	Power board	2	1100220	WCR1206-12KFI	0,026		RC1206FR- 0712KL	0,090		RC1206FR- 0712KL	0,091
	282836-2	THT, Terminal Block	X19	Power board	2	3089034	282836-2	0,452	1	282836-2	0,830		282836-2	0,385
1	INDEL TST450/014	-	Transformer: toroidal; 450VA; 230VAC; 2x40V; 2x5.62A; 4kg	Enclosure	1	-				VPT100-5000	81,040		VPM100-5000	129,850
	Other													
1		3 Power module 48VDC; 3.3A		Power board	2	-				-			LRS-150-48	23,980
	LRS-150F-48	Power module 48VDC; 3.3A (auto-range)		Power board	0	-				-			LRS-150F-48	28,190
0	Heatsink 70 x 120 mm	Not required if Varisom enclosure kit is purchased!		Power board	0	-				-			-	
1	Arduino Due			Arduino Shield	1	2250861	A000062	40,660	1					
1	3.2" TFT LCD			Arduino Shield	1	-								

				RS Componer	nts		TME					Pr	ice calcula	tion fo	r 1 set
#		Dedama	Ondo				Ondo / Bod Nombre	Unit price		T. 1.T	OMB	Best	Lowest	Order	
C	Qty	Part name	Code	Part Number	Unit price €	MUQ	Code / Part Number	€	MOQ	IHI	SIMD	Supplier	unit price €	Qty	Line Cost €
	1	SMBJ5.0A-TR									1				
	4	STPS15H100					-				8				
	1	74LVC1G125GW.125									1				
	1	TPA6205A1DGN									1				
	1	693072010801													
	1	HSMY-C170									2				
	1	n.c.									2				
		1R 1%									2				
	2	47K 1%									2				
	1	n.c.					-				2				
	1	12K					-				2				
		20K 1%									2				
		1K 1%									2				
		10K 1%									2				
		n.c.					-				4				
	1	LD-BZEN-0903								1					
	1	826629-5					=			1					
	1	282836-2					-			2					
	1	PCA-6B-20-HL-3 or 52746-2071									1				
	1	FFC 20-pin cable 150 mm													
	1	n.c.					-				2				
_	2	Power module AC input 2200uF 63V		UVR1H222MHD	2,156	1	UVR1H222MHD	1,100	1			I			
	_	2200di 03V	002-3223	OVICITIZZZIVII ID	2,100		OVICITIZZZIVII ID	1,100	'						
		Option #1: UVZ1H222MHD	845-4755	UVZ1H222MHD	1,218	5	UVZ1H222MHD	0,973	1						
		Option #2: UVZ1J222MHD	862-1759	UVZ1J222MHD	2,814	1	UVZ1J222MHD	1,593	1	4		TME	1,593 €	4	6,372
	4	STPS15H100	795-9075	STPS15H100CB -TR	0,924	5	-				8	Mouser	0,896€	8	7,168
	1	12K 1%	223-2401	CRG1206F12K	0,008	50	RC1206JR-0712K	0,006	100		2	TME	0,006€	2	0,013
	1	282836-2	361-7667	282836-2	0,414	5	282836-2	0,280	2	2		TME	0,280 €	2	0,560
	1	INDEL TST450/014			-,		TST450/014	36,500		1		TME	36,500 €		36,500
							I								
	1	Other					L DC 450 40	15 100	4	1		ТМЕ	1E 100 G	2	20,200
	1	MEAN WELL LRS-150-48					LRS-150-48	15,100		-		TME	15,100 €	2	30,200
		Option #1: MEAN WELL LRS-150F-48	-				LRS-150F-48	18,000		-					
	0	Heatsink 70 x 120 mm	-				RAD-A4463/120	1,370	1	-					0,000
		Arduino Due	769-7412	A000062	33,680	1	Itead/Eckstein	19,480		-		TME	19,480 €	1	19,480
	1	3.2" TFT LCD					Itead/Eckstein	12,140		-		TME	12,140 €	1	12,140

								Farnell / Elemen	nt14	Digi-Ke	∍y	Mouse	r
#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Part Number	Unit price MOQ €	Part Number	Unit price MOQ €	Part Number	Unit price MOQ €
	1	Varisom enclosure kit	Enclosure, AC/DC mounting rail, TFT display mounting rail, handles, foot		Enclosure	1	-						
	1	PCB+PCBA			Enclosure	1	-						

'	FODTFODA			Liiciosure	•	Į-			l	ļ	
	Nuts & bolts										
1	12V fan 60x60mm			Enclosure	1	-			-	-	-
4	FSP-2	Fastener for fan		Enclosure	4	-			-		
1	FG-06	Finger guard, 60x60mm, metal		Enclosure	1	2292912	MC32696	0,567	1 -	-	
2	MC000006	Insert into 2 x headers 5mm height	X12, X14 Front Treminal	Arduino Shield	2	2007972	MC000006	1,900	1		-
2	0.4 mm thermal silicone pad	Power module's Q4 mounting on heatsink		Enclosure	2						
	5 mm thick thermal silicone pad (20 x 75 mm)	Mounted below power pre- regulator	Shenzhen 3KS Electronic Material	Enclosure	2						
2	BS-244DSM-R	Binding post 4mm, red	J1, J5	Arduino Shield	2	-					
1	BS-244DSM-G	Binding post 4mm, green	J3	Arduino Shield	1	-					
2	BS-244DSM-B	Binding post 4mm, black	J4, J6	Arduino Shield	2	-					
5	Washer, spring M5	Binding posts		Arduino Shield	5	-					
	M3x5 countersunk, black finish	·		Enclosure	2						
	M3x5 countersunk, black finish	, and the second		Enclosure	2						
	M3x5 countersunk, black finish	. , .		Enclosure	4						
	M3x5 countersunk, black finish			Enclosure	2						
	M3x5 countersunk, black finish	· · · · · · · · · · · · · · · · · · ·		Enclosure	8						
8	M3x5 countersunk, black finish	Power board top and bottom plate mounting		Enclosure	8						
					26	-					
1	M4x6	Front panel handles		Enclosure	4						
	Washer externally	Earth connection		Enclosure	1	-					
	serrated M3, D=6mm										
2	Washer externally serrated M3, D=6mm	Power module's Q4 mounting on heatsink		Enclosure	2						
					3	7096471	6797/3.0	1,870	100		
					_						
	M3x12, cheese head	Power module's Q4 mounting on heatsink		Enclosure	2	-					
	Washer M3, 8mm	Enclosure feet		Enclosure	4	-					
	M3x8, black finish	AUX PS mounting, ext		AUX PS	5						
2	M3x8, black finish	Three part heatsink joints		Power board	4						
4	M3x8, black finish	Enclosure feet		Enclosure	4						
4	M3x8, black finish	Power module mounting on heatsink		Power board	8						
					21	-					

				DS Compose	nte	TME	urce code at mips	g.u.1ab.com/		rico coloula	ation fo	r 1 cot
#				RS Compone						rice calcula Lowest		i set
	Qty	Part name	Code	Part Number	Unit price MOQ €	Code / Part Number	Unit price MOQ €	THT SMD	Best Supplier	unit price	Order Qty	Line Cost €
	1	Varisom enclosure kit						-				
	1	PCB+PCBA						-				
						•			•			61,82 €
		Nuts & bolts										
	1	12V fan 60x60mm	-			MB60251V1-G99	2,590 1		TME	2,590 €		2,590
		FSP-2	-			FSP-2	0,140 5		TME	0,140 €		0,140
	1	FG-06	-			FG-06	0,513 1		TME	0,513 €	1	0,513
	2	MC000006	-			-			Farnell	1,900 €	2	3,800
	2	0.4 mm thermal silicone pad				SMICA-SOT93	0,214 10		TME	0,214 €	20	4,270
	2	5 mm thick thermal silicone pad (20 x 75 mm)										
	2	BS-244DSM-R				BS-244DSM-R	1,120 1		TME	1,120 €	2	2,240
	1	BS-244DSM-G				BS-244DSM-G	1,120 1		TME	1,120 €		1,120
	2	BS-244DSM-B				BS-244DSM-B	1,140 1		TME	1,140 €	2	2,280
	5	Washer, spring M5				B5/BN672	0,010 100		TME	0,010€	5	0,049
	2	M3x5 countersunk, black finish										
	2	M3x5 countersunk, black finish										
	4	M3x5 countersunk, black finish										
	2	M3x5 countersunk, black finish										
	8	M3x5 countersunk, black finish										
	8	M3x5 countersunk, black finish										
						M3X5/D965B	0,013 100		TME	0,013€	26	0,344
	4	M4x6				B4X6/BN3334	0,014 100		TME	0,014 €		0,000
		Washer externally serrated M3, D=6mm								.,.		
	2	Washer externally serrated M3, D=6mm										
		1, 2				B3/BN789	0,008 100		TME	0,008€	3	0,025
	2	M3x12, cheese head				B3X12/BN272	0,026 200		TME	0,026€	2	0,051
	4	Washer M3, 8mm				B8X0.4/BN806	0,026 100		TME	0,026 €	4	0,103
	5	M3x8, black finish										
	2	M3x8, black finish										
	4	M3x8, black finish										
	4	M3x8, black finish										
						M3X8/D7985B	0,019 100		TME	0,019€	21	0,389
								[				

				roject couree cour a		g a marcon	Farnell / Element	t14		Digi-K	ev		Mouse	er	
O+.	Dark same	Deelieee	Defenses designates	Daniel manua	Qty	Carla		Linit price	400	_	Unit price	1400		Unit price	MO0
Qty	Part name	Package	Reference designator	Board name		Code	Part Number	Ė	MOQ	Part Number	Ė	MOQ	Part Number	Ė	MUQ
5	M3x5	AUX PS mounting, int		AUX PS	5										
4	M3x5	AC/DC mounting rail		Enclosure	4										
					9	-									
0	TEE MOVAO/DDAGA	40 M2 /-		Fastasiis	•										
2	TFF-M3X40/DR124	40 mm metal spacer, M3 (a pair is required for dual channel)		Enclosure	2	-									
5	Screwed spacer sleeve; hexagonal	14 mm, M3		AUX PS	5	1466812	05.03.143	0,397	4						
5	Screwed spacer sleeve; M5; 8mm; brass	Extend binding post for PCB mounting		Arduino Shield	5	-									
	Spacer sleeve; 5mm; cylindrical; brass	Power module mounting on heatsink		Enclosure	8	1733405	D01475	0,106	10						
4	???	Spacer between display and Arduino shield		Arduino Shield	4										
12	Light pipe for LED	Round; Ø3mm; Front: convex; straight		Arduino Shield	12	2293496	PLP2-500	0,627	10						
1	Schurter 4304.6090	C14 IEC inlet, switch, 2 fuse drawer is included		Enclosure	1	2080294	4304.6090	9,200	1	486-1084-ND	13,080	1	693-4304.6090	11,760	1
2	4A Fuse	230 VAC		AUX PS	2	-									
	8A Fuse	115 VAC option			0	-									
0,06	CB-HFT50.8/1M-BL	Heat shrink sleeve; 2:1, 50.8mm		AUX PS	0,06	-									
	A3116068	Encoder knob head		Arduino Shield	1	-				-			-		
	A3216007	Encoder knob cap; grey		Arduino Shield	1	-				-			-		
1	SD card 8Gb, min. 4Mb/s	<b>3</b>		Arduino Shield	1	-				-			908- AP8GSDHC4-B	8,710	1
1	CTB92VG/3S	Pluggable terminal block; female; 5mm; angled 90° for DOUT2		AUX PS	1	3881921	CTB92VG/3S	1,070	1						
	Wire harness														
1	10K NTC	AUX temperature sensor		Arduino Shield	1	1187031	NTCLE100E3103J B0	0,489	1	BC2301-ND	0,640	1	594-2381-640- 63103	0,245	1
0,03	HIS-1.2/0.6-RD	Heat shrink sleeve; red	AUX temp sensor	Arduino Shield	0,03	-				-			-		
1	39-01-4030	Receptacle for X1	DC power input	Power board	2	9963480	39-01-4030	0,219	1	39-01-4030	0,300		39-01-4030	0,292	
1	39-01-4050	Receptacle for X3	AC power input	AUX PS	1	9963502	39-01-4050	0,327	1	39-01-4050	0,360		39-01-4050	0,358	
1	22-01-2035	3-pin receptacle for X4	Cooling fan	AUX PS	1	143127	22-01-2035	0,192	10	22-01-2035	0,310		22-01-2035	0,290	
	22-01-2025	2-pin receptacle for X17	AUX temp sensor	Arduino Shield	1	143126	22-01-2025	0,179	10	WM2613-ND	0,270	10	538-22-01-2025	0,236	
2	NSR-08	Receptacle for X8, X18	Ethernet cable	AUX PS	2	865667	M20-1060800	0,231	10	952-2234-ND	0,340	1	855-M20- 1060800	0,330	1
1	NSDR-KEY	Polarising key	Ethernet cable	AUX PS	1	512023	M20-003	0,149	100	952-2360-ND	0,250	1	855-M20-003	0,245	1
	39-00-0078	Pins for X1	DC power input	Power board	6										
5	39-00-0078	Pins for X3	AC power input	AUX PS	5										
					11	9732675	39-00-0078 100pc	13,300	1	39-00-0078	0,144		39-00-0078	0,112	
2	08-50-0114	Pins for X4	Cooling fan	AUX PS	3										
	08-50-0114	Pins for X17	MAIN temperature sensor	Arduino board	2										
_			topo. staro oorioor	, a dalo bodi u		2063734	08-50-0114	0,030	10	08-50-0114	0,170		08-50-0114	0,141	

			RS Compone	nto	TME					•	r 1 oot			
			KS Compone	iits		TIME					F	rice calcula Lowest		i i Set
Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	unit price €	Order Qty	Line Cost €
5	M3x5													
4	M3x5													
						M3X5/D7985	0,013	100			TME	0,013€	9	0,114
2	TFF-M3X40/DR124					TFF-M3X40/DR124	0,156	10			TME	0,156 €	2	0,31
5	Screwed spacer sleeve; hexagonal					B3X14/BN3320	0,309	10			TME	0,309€	5	1,54
5	Screwed spacer sleeve; M5; 8mm; brass					TFM-M5X8/DR218	0,187	10			TME	0,187 €	5	0,93
8	Spacer sleeve; 5mm; cylindrical; brass					DR316/3.2X5	0,057	10			TME	0,057 €	8	0,45
4	???										Farnell	0,000 €	4	0,00
12	Light pipe for LED					PLP2-625	0,331	5			TME	0,331 €	12	3,972
1	Schurter 4304.6090	867-7308	4304.6090	9,050	1	4304.6090	3,594	1			TME	3,594 €	1	3,594
2	4A Fuse					ZKT-4A	0,095	10			TME	0,095€	2	0,189
	8A Fuse					ZKT-8A/125V	0,094	10			TME	0,094 €	0	0,000
0,06	CB-HFT50.8/1M-BL					CB-HFT50.8/1M-BL	1,241	1			TME	1,241 €	1	1,24
1	A3116068	-				A3116068	1,495	1			TME	1,495 €	1	1,49
1	A3216007	-				A3216007	0,563	1			TME	0,563 €	1	0,56
1	SD card 8Gb, min. 4Mb/s					S400-0080R11	3,840	1			TME	3,840 €	1	3,840
1	CTB92VG/3S					TBW-5.0-3P	0,420	1			TME	0,420 €	1	0,420
						l					l			18,96 €
	Wire harness								-					
1	10K NTC	754-6645	NTCLE100E310 3JB0	0,334	5	NTCLE100E3103JB0	0,269				Mouser	0,245€	1	0,24
0,03	HIS-1.2/0.6-RD	-				HIS-1.2/0.6-RD	1,295	10			TME	1,295 €	1	1,29
1	39-01-4030	510-9685	39-01-4030	0,232	5	MX-5557-03R2	0,132				TME	0,132€		0,26
1	39-01-4050	510-9708	39-01-4050	0,188	5	MX-5557-05R2	0,240	2			RS	0,188€	1	0,18
1	22-01-2035	296-4940	22-01-2035	0,204	5	MX-6471-031	0,050				TME	0,050 €	1	0,05
1	22-01-2025					MX-6471-021	0,048	10			TME	0,048 €	1	0,048
2	NSR-08					NSR-08	0,087	10			TME	0,087 €	2	0,17
1	NSDR-KEY					NSDR-KEY	0,035	20			TME	0,035€	1	0,03
3 5	39-00-0078 39-00-0078													
		215-5887	39-00-0078	14,100	1	MX-5556-T3L	0,074	10			TME	0,074 €	11	0,816
			100pc	.,			-,	-				.,		3,31
3	08-50-0114													
	08-50-0114													
		172-9178	08-50-0114	0,085	100	MX-0850-0114	0,047	10			Farnell	0,030 €	5	0,150

							Farnell / Element14			Digi-Key			Mouser			
# Qty	Part name	Package	Reference designator	Board name	Qty	Code	Part Number	Unit price MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ		
21	NDR-T	Contact; female; 28÷22AWG; NSR/NDR; tinned	X8, X18	Arduino Shield	21	1022219	M20-1180042	0,064 100	952-2158-ND	0,130		855-M20- 1180042	0,127	1		
1	BM 91103	Ring terminal; M3; 0.5÷1 mm2	Chassis Earth	Enclosure	1	7356528	LRB-1.0T-M3	0,102 100								
4	BM01148	Female quick disconnect	AC switch patch cables	Enclosure	2											
1	BM01148	Female quick disconnect	AC inlet Earth (Side B)	Enclosure	1											
2	BM01148	Female quick disconnect	Lower AC/DC module power input (Side B)	Enclosure	2											
1	BM01148	Female quick disconnect	Cable set #1	Arduino board	1											
					6	3625424	STO-1.0T-187N-8	0,057 100								
2	H0.75/14D/GY	Bootlace ferrule; insulated, 0.75mm2	Cable set #1	Enclosure	2											
4	H0.75/14D/GY	Bootlace ferrule; insulated, 0.75mm2	Cable set #2	Enclosure	4											
					6	841195	H0,75/14.	0,135 100								
	110 75/45D0/OV	Death of female television	0-11	Endon	•											
	H0.75/15D2/GY	Bootlace ferrule, twin entry; insulated, 0.75mm2	Cable set #1	Enclosure	2											
3	H0.75/15D2/GY	Bootlace ferrule, twin entry; insulated, 0.75mm2	Cable set #2	Enclosure	3											
					5	1121751	9037410000	0,120 100								
1	Cat5E cable, stranded wire		Ethernet cable	Arduino Shield	1	1734894	PS11029	1,120 1								
0,0	5 LGY0.75/25-BR	Insulated wire, stranded, brown, 0.75 mm2	AC switch patch cables	Enclosure	0,05											
0,2	LGY0.75/25-BR	Insulated wire, stranded, brown, 0.75 mm2	Lower AC/DC module power input	Enclosure	0,2											
0,0	7 LGY0.75/25-BR	Insulated wire, stranded, brown, 0.75 mm2	Upper AC/DC module power input	Enclosure	0,07											
0,1	1 LGY0.75/25-BR	Insulated wire, stranded, brown, 0.75 mm2	AUX PS module power input	Enclosure	0,11											
					0,43	2528103	PP001205	0,239 1								
0,0	5 LGY0.75/25-BL	Insulated wire, stranded, <b>blue</b> , 0.75 mm2	AC switch patch cables	Enclosure	0,05											
0,2	LGY0.75/25-BL		Lower AC/DC module power input	Enclosure	0,2											
0,0	7 LGY0.75/25-BL		Upper AC/DC module power input	Enclosure	0,07											
0,1	1 LGY0.75/25-BL	Insulated wire, stranded, <b>blue</b> , 0.75 mm2	AUX PS module power input	Enclosure	0,11											
					0,43	2528092	PP001196	0,239 1								
0,42	2 LGY0.75/25-RD	Insulated wire, stranded, <b>red</b> , 0.75 mm2	Cable set #1, Power board X1 cable	Enclosure	0,42											

	Project source code at https://github.com/eez-open  RS Components  TME  Price calculation for 1							r 1 sot						
												Lowest		1 361
Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	unit price €	Order Qty	Line Cost €
21	NDR-T	681-2887	122-4777	0,041	100	NDR-T	0,027	25			TME	0,027 €	21	0,566
1	BM 91103					BM 91103	0,048	10			TME	0,048 €	1	0,048
	BM01148													
	BM01148													
	BM01148													
1	BM01148													
						BM01148	0,047	10			TME	0,047 €	6	0,281
	H0.75/14D/GY													
4	H0.75/14D/GY													
						H0.75/14D/GY	0,023	20			TME	0,023 €	6	0,140
2	H0.75/15D2/GY													
3	H0.75/15D2/GY													
						H0.75/15D2/GY	0,036	10			TME	0,036€	5	0,180
1	Cat5E cable, stranded wire					CA00600.00C01	6,800	1			Farnell	1,120€	1	1,120
0,05	LGY0.75/25-BR													
0,2	LGY0.75/25-BR													
0,07	LGY0.75/25-BR													
0,11	LGY0.75/25-BR													
						LGY0.75/25-BR	0,340	25			Farnell	0,239€	1	0,239
0,05	LGY0.75/25-BL													
0,2	LGY0.75/25-BL													
0,07	LGY0.75/25-BL													
0,11	LGY0.75/25-BL													
						LGY0.75/25-BL	0,340	25			Farnell	0,239€	1	0,239
0,42	LGY0.75/25-RD													
									l		l			

# EEZ PSU H24005 BOM (r5B12, 2017-03-24)

Project source code at https://github.com/eez-open

								Farnell / Element	t14	Digi-Ke	<b>Э</b> У		Mouse	r	
#	Qty	Part name	Package	Reference designator	Board name	Qty	Code	Part Number	Unit price MOQ €	Part Number	Unit price €	IOQ	Part Number	Unit price €	MOQ
	0,33 LGY	0.75/25-RD	Insulated wire, stranded, <b>red</b> , 0.75 mm2	Cable set #2, Power board X1 cable	Enclosure	0,33									
						0,75	2528175	PP001270	0,481 1						
	0,42 LGY	0.75/25-BK	Insulated wire, stranded, black, 0.75 mm2	Cable set #1, Power board X1 cable	Enclosure	0,42									
	0,33 LGY	0.75/25-BK	Insulated wire, stranded, black, 0.75 mm2	Cable set #2, Power board X1 cable	Enclosure	0,33									
						0,75	2528082	PP001186	0,481 1						
	0,42 LGY	0.75/25-YL/GR	Insulated wire, stranded, green-yellow, 0.75 mm2	Cable set #1, Power board X1 cable	Enclosure	0,42									
	0,07 LGY	0.75/25-YL/GR	Insulated wire, stranded, green-yellow, 0.75 mm2	Cable set #1, AC/DC module Earth	Enclosure	0,07									
	0,17 LGY	0.75/25-YL/GR	Insulated wire, stranded, green-yellow, 0.75 mm2	Chassis Earth	Enclosure	0,17									
	0,35 LGY	0.75/25-YL/GR	Insulated wire, stranded, green-yellow, 0.75 mm2	Arduino Shield Earth	Enclosure	0,35									
	0,33 LGY	0.75/25-YL/GR	Insulated wire, stranded, green-yellow, 0.75 mm2	Cable set #2, Power board X1 cable	Enclosure	0,33									
	0,12 LGY	0.75/25-YL/GR	Insulated wire, stranded, green-yellow, 0.75 mm2	Cable set #2, AC/DC module Earth	Enclosure	0,12									
	0,15 LGY	0.75/25-YL/GR	Insulated wire, stranded, green-yellow, 0.75 mm2	AUX PS module Earth	Enclosure	0,15									
						1,61	2528140	PP001239	0,481 1						
	0,29 LGY	0.35/25-BR	Insulated wire, stranded, <b>any color</b> , max. 0.35 mm2	AUX temp sensor	Arduino Shield	0,29	2425402	MC6A-7/0.2T2-BN- 100	0,095 1						
	1 Ardu	ino USB cable	USB micro to 5-pin receptacle cable, 30 or 50 cm	Shenzhen Wonderwing Electronics . Or search Aliexpress	3	1	-								
	1 FC10	0300-0	Ribbon cable with IDC connectors, 30 cm	2. 22. <b>3</b>	Arduino Shield	1	-								

All prices are net prices (without VAT)

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

				RS Compone	ents	TME					P	rice calcula	ation fo	r 1 set
#	Qty	Part name	Code	Part Number	Unit price MOQ	Code / Part Number	Unit price €	MOQ	ТНТ	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
	0,33 LG	GY0.75/25-RD												
						LGY0.75/25-RD	0,340	25			TME	0,340€	1	0,255
	0,42 LG	GY0.75/25-BK												
	0,33 LG	GY0.75/25-BK												
						LGY0.75/25-BK	0,340	25			TME	0,340 €	1	0,255
	0,42 LG	GY0.75/25-YL/GR												
	0,07 LG	GY0.75/25-YL/GR												
	0,17 LG	GY0.75/25-YL/GR												
	0,35 LG	GY0.75/25-YL/GR												
	0,33 LG	GY0.75/25-YL/GR												
	0,12 LG	GY0.75/25-YL/GR												
	0,15 LG	GY0.75/25-YL/GR												
						LGY0.75/25-YL/GR	0,340	25			TME	0,340 €	2	0,546
	0,29 LG	GY0.35/25-BR				LGY0.35/25-BR	0,210	25			Farnell	0,095€	1	0,095
	1 Ar	duino USB cable				-					Farnell	0,000€	1	0,000
	1 FC	C10300-0				FC10300-0	1,040	1			TME	1,040 €	1	1,040
														8,27 €
													Total	289,30 €
								PCB/	(min.	50 pcs	;)	Es	timated	40,00

	Total	289,30 €
PCBA (min. 50 pcs) PCBs (min. 20 pcs) Enclosure (min. 20 pcs)	Estimated Estimated Estimated	40,00 30,00 51,00
Estimated total (no shipping co	osts included):	121,00 410,30 €