#	Qty	Part name	Package	Reference designator	Farnell / Element14 Code	Farnell / Element14 Part Number	Unit price €	MOQ	Digi-Key Part Number	Unit price €	MOQ	Mouser Part Number	Unit price €	MOQ
1	1	S8401-46 or DS1092-16-B6P	THT; CR2032 cell battery holder; vertical	B1	2115304	S8401-46	2,190	1	952-1743-1-ND	1,230	1	855-S8401-46	1,220	1
2	1	EEEFK1V470P	Ø6.3 x 5.8 mm	C11	9695850	EEEFK1V470P	0,364	1	PCE3842CT-ND	0,302	10	667-EEE-FK1V470P	0,238	10
3	3	4u7/6.3V	1206, Tant.	C13, C20, C47	2321209	T491A475K006AT	0,421	5	399-9717-1-ND	0,259	10	80-T491A475K006AT	0,184	10
4	4	10n	0805	C2, C3, C5, C6	2896555	VJ0805Y103JXXPW1BC	0,065	10	490-7194-1-ND	0,017	10	710-885012207122	0,036	10
5	5	1u	0805	C22, C31, C32, C46, C54	2896566	VJ0805Y105KXXTW1BC	0,084	5	587-1283-1-ND	0,090	10	603-CC805MKX7R7BB105	0,062	10
6	3	2u2	0805	C34, C35, C48	1828829	GRM21BR71C225KA12L	0,198	5	1276-2954-1-ND	0,085	10	80-C0805C225M4RECLR	0,078	10
7	3	4u7	1206	C37, C45, C51	1907356	C3216X7R1E475K160AC	0,282	5	1276-2970-1-ND	0,199	10	963-EMK316B7475ML-T	0,129	10
8	36	100n	0603	C4, C12, C14, C15, C16, C17, C18, C19, C21, C24, C25, C26, C27, C28, C29, C30, C33, C38, C39, C40, C41, C42, C43, C44, C50, C53, C56, C57, C58, C59, C60, C61, C63, C64, C65, C66	2522597	C0603C104K4RAC7081	0,073	10	490-4774-1-ND	0,090	100	80-C0603C104M4R	0,085	100
9	1	10u	1206, Tant.	C62	1457412	T491A106K006AT	0,259	5	399-3683-1-ND	0,238	10	80-T491A106K0067280	0,173	10
10	2	18p	0603, C0G	C7, C9	2896373	VJ0603A180JXACW1BC	0,016	10	1276-1089-1-ND	0,048	10	80-C0603C180J5G7867	0,023	10
11	2	4p7	0603, C0G	C8, C10	2627469	MC0603N4R7C500CT	0,329	10	311-1740-1-ND	0,054	10	710-885012006049	0,072	10
12	1	SMBJ5.0A-TR	DO-214AA	D1	2353654	SMBJ5.0ATR	0,232	5	497-3144-1-ND	0,263	10	511-SMBJ5.0A	0,306	1
13	1	RB751V40T1G	SOD-323, low capacitance switching diode	D2	1459171	RB751V40T1G	0,143	5	RB751V40T1GOSCT-ND	0,192	10	863-RB751V40T1G	0,146	10
14	1	BLM18AG102SH1D	0603 ferrite bead; 60R; 100MHz	FB1, FB2	1669708	MMZ1608Y102B	0,072	10	490-7809-1-ND	0,052	50	81-BLM18AG102SH1D	0,063	10
15	1	CD74HC4050PWR	TSSOP-16	IC1	1753505	CD74HC4050PW	0,436	5	296-9215-1-ND	0,400	1	595-CD74HC4050PWR	0,376	1
16	1	TSC2007IPW	TSSOP-16	IC11	2769429	TSC2007IPWR	1,700	1	296-27124-1-ND	2,110	1	595-TSC2007IPWR	2,040	1
17	1	DP83848CVV/NOPB	LQFP-48	IC13	1685784	DP83848CVV/NOPB	4,850	1	DP83848CVV/NOPB-ND	4,280	1	926-DP83848CVV/NOPB	4,260	1
18	1	STM32F769IIT6	LQFP-176	IC2	2849930	STM32F769IIT6	15,100	1	497-16649-ND	14,800	1	511-STM32F769IIT6	14,510	1

#	Qty	Part name	RS Components Code	Part Number	Unit price €	MOQ	TME Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
1	1	S8401-46 or DS1092-16-B6P	161-3709	S8401-46	1,454	5	DS1092-16-B6P	0,147	10	1		TME	0,147 €	1	0,147
2	1	EEEFK1V470P	537-0657	EEEFK1V470P	0,394	5	EEEFK1V470P	0,130	5		1	TME	0,130 €	1	0,130
3	3	4u7/6.3V	538-2335	T491A475K006AT	0,337	10	T491A475K006AT	0,094	10		3	TME	0,094 €	3	0,281
4	4	10n	464-6672	08055C103KAT2A	0,026	50	CC0805KRX7R9103	0,027	100		4	Digikey	0,017 €	4	0,068
5	5	1u	451-5770	C0805C105K4RACTU	0,028	25	CL21B105KOFNNNE	0,010	100		5	TME	0,010 €	5	0,052
6	3	2u2	766-1031	CL21B225KAFNNNF	0,069	100	CL21B225KOFNNNG	0,071	100		3	RS	0,069 €	3	0,207
7	3	4u7	691-1221	C1206C475K3RACTU	0,232	25	GCM31CR71E475KA55L	0,381	10		3	Mouser	0,129 €	3	0,387
8	36	100n	264-4630	C0603C104K4RACTU	0,035	25	CL10B104KA8NNNC	0,098	100		36	RS	0,035 €	36	1,260
9	1	10u	136-2614	F930J106MA	0,182	25	T491A106K006AT	0,069	25		1	TME	0,069 €	1	0,069
10	2	18p	147-415	C0603C180J5GACTU	0,032	50	CL10C180JB8NNNC	0,015	100		2	TME	0,015 €	2	0,030
11	2	4p7	298-9315	C0603C479C5GACTU	0,024	25	CL10C4R7CB8NNNC	0,024	100		2	RS	0,024 €	2	0,048
12	1	SMBJ5.0A-TR	714-7210	SMBJ5.0A-TR	0,268	25	SMBJ5.0A-TR	0,114	5		1	TME	0,114 €	1	0,114
13	1	RB751V40T1G	690-0022	RB751V40T1G	0,137	25	RB751V40T1G	0,036	25		1	TME	0,036 €	1	0,036
14	1	BLM18AG102SH1D	839-0803	BLM18AG102SH1D	0,043	100	BLM18AG102SH1D	0,016	50		1	TME	0,016 €	1	0,016
15	1	CD74HC4050PWR	662-7131	CD74HC4050PWR	0,309	10	-				1	RS	0,309 €	1	0,309
16	1	TSC2007IPW	661-3545	TSC2007IPW	2,340	1	-		1		1	Farnell	1,700 €	1	1,700
17	1	DP83848CVV/NOPB	651-5738	DP83848CVV/NOPB	4,310	1	DP83848CVV/NOPB	3,000	1		1	TME	3,000 €	1	3,000
18	1	STM32F769IIT6	-				STM32F769IIT6	13,010	400		1	TME	13,010 €	1	13,010

#	Qty	Part name	Package	Reference designator	Farnell / Element14			Digi-Key			Mouser		
					Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
19	1	LD1117ADT33TR	TO-252 (DPAK)	IC3	2849768	LD1117ADT33TR	0,419	1	497-3455-1-ND	0,420	1	511-LD1117ADT33-TR	0,408	1
20	1	IS42S16400J	TSOP-II	IC5	2901167	IS42S16400J-6TLI	2,710	1	IS42S16400J-7TLI	2,050	1	870-IS42S16400J-7TL	1,410	1
21	1	AT24C256C-SSHL-B	SOIC-8	IC6	1972001	AT24C256C-SSHL-B	0,685	1	AT24C256C-SSHL-B-ND	0,540	1	556-AT24C256C-SSHL-B	0,541	1
22	1	TPS2051BDBVR	SOT-23-5	IC7	2296067	TPS2051BDBVR	1,080	1	296-21265-1-ND	1,280	1	595-TPS2051BDBVR	1,220	1
23	1	TPS61169DCKR	SC-70-5	IC8	2542731	TPS61169DCKR	0,661	1	296-40821-1-ND	0,790	1	595-TPS61169DCKR	0,770	1
24	1	TPD4E001DRLR	SOT-6	IC9	1611469	TPD4E001DRLR	0,453	5	296-21887-1-ND	0,590	1	595-TPD4E001DRLR	0,536	1
25	1	503398-1892	SMD; Micro SD, push-push, 8-pin	J1	2358234	503398-1892	1,980	1	WM11190CT-ND	2,160	1	538-503398-1892	1,960	1
26	1	67803-8020	SMD; USB mini AB, OTG, 5-pin	J2	1355761	67803-8020	1,470	1	WM17148CT-ND	1,790	1	538-67803-8020	1,790	1
27	1	M22-2510246	THT; Connector Header; 2 position; 2.00mm	JP2	2289776	M22-2510205	0,096	100	952-2280-ND	0,150	1	855-M22-2510246	0,148	1
28	1	DLG-0403-4R7	0403 power inductor	L1	1827980	SDR0403-4R7ML	0,406	5	SDR0403-4R7MLCT-ND	0,424	10	652-SDR0403-4R7ML	0,272	10
29	1	505110-4091	SMD; FFC/FPC 40-pin lower side entry	LCD1	2500025	505110-4091	-		WM11292CT-ND	1,250	1	538-505110-4091	1,150	1
30	1	2N27002	SOT-23	Q2	1713823	2N7002-7-F	0,118	5	2N7002LT1GOSCT-ND	0,150	1	863-2N7002LT1G	0,128	1
31	9	4K7	0805	R1, R3, R4, R6, R7, R8, R14, R15, R16	2861530	CRGCQ0805F4K7	0,009	10	311-4.70KCRCT-ND	0,090	1	603-RC0805FR-074K7L	0,026	10
32	1	47R	0805	R17	2861899	CRGCQ0805J47R	0,007	10	P47.0CCT-ND	0,069	10	279-CRGCQ0805F47R	0,028	10
33	6	10K	0805	R2, R10, R11, R12, R13, R31	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10
34	2	47K	0805	R21, R22	2447664	MCWR08X4702FTL	0,010	10	RHM47KKCT-ND	0,074	10	603-RC0805FR-0747KL	0,026	10
35	2	10R	0805	R24, R26	9236643	RC1206FR-0710RL	0,050	10	311-10.0CRCT-ND	0,071	10	603-RC1206FR-0710RL	0,034	10
36	2	22R	0805	R29, R30	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT22R0CT-ND	0,020	10	RC0805FR-07220RL	0,026	10
37	1	1K5	0805	R32	2861908	CRGCQ0805J1K5	0,007	10	541-4161-1-ND	0,041	10	279-CRGCQ0805F1K5	0,085	10
38	4	49R9	0805	R33, R34, R37, R42	2447669	MCWR08X49R9FTL	0,009	10	311-49.9CRCT-ND	0,039	10	603-RC0805FR-0749R9L	0,026	10
39	9	2K2	0805	R35, R36, R38, R40, R41, R43, R46, R47, R49	9237534	RC0805FR-072K2L	0,037	10	311-2.20KCRCT-ND	0,039	10	603-RC0805FR-072K2L	0,026	10
40	2	220R	0805	R44, R45	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT220RCT-ND	0,020	10	603-RC0805FR-13220RL	0,020	10
41	1	4K87	0805	R48	1469925	CRCW08054K87FKEA	0,016	10	311-4.87KCRCT-ND	0,039	10	652-CR0805FX-4871ELF	0,037	10

#	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 €
			RS Components				TME					Price calculation for 1 set			
19	1	LD1117ADT33TR	686-9123	LD1117ADT33TR	0,499	10	LD1117ADT33	0,521	3		1	Mouser	0,408 €	1	0,408
20	1	IS42S16400J	811-5125	IS42S16400J-7TLI	2,565	2	IS42S16400J-7TL	2,050	1		1	Mouser	1,410 €	1	1,410
21	1	AT24C256C-SSHL-B	738-0041	AT24C256C-SSHL-B	0,488	5	AT24C256C-SSHL-B	0,470	3		1	TME	0,470 €	1	0,470
22	1	TPS2051BDBVR	662-2384	TPS2051BDBVT	1,284	5	-				1	Farnell	1,080 €	1	1,080
23	1	TPS61169DCKR	-				-				1	Farnell	0,661 €	1	0,661
24	1	TPD4E001DRLR	709-9066	TPD4E001DRLR	0,552	5	-				1	Farnell	0,453 €	3	1,359
25	1	503398-1892	880-1277	503398-1892	2,600	1	MX-503398-1892	0,860	2	1		TME	0,860 €	1	0,860
26	1	67803-8020	720-6618	67803-8020	1,540	5	MX-67803-8020	0,590	1	1		TME	0,590 €	1	0,590
27	1	M22-2510246	681-3287	M22-2010205	0,215	10	ZL303-02P	0,012	50	1		TME	0,012 €	1	0,012
28	1	DLG-0403-4R7	-				DLG-0403-4R7	0,129	10		1	TME	0,129 €	1	0,129
29	1	505110-4091	-				-				1	Mouser	1,150 €	1	1,150
30	1	2N27002	545-0012	2N7002LT1G	0,126	50	2N7002LT1G	0,025	25		1	TME	0,025 €	1	0,025
31	9	4K7	223-0528	CRG0805F4K7	0,010	50	SMD0805-4K7-1%	0,022	100		9	Farnell	0,009 €	9	0,077
32	1	47R	223-0253	CRG0805F47R	0,016	50	SMD0805-47R-1%	0,022	100		1	Farnell	0,007 €	1	0,007
33	6	10K	125-1189	CRG0805F10K	0,002	100	RC0805FR-0710K	0,022	100		6	RS	0,002 €	2	0,004
34	2	47K	679-1434	CRCW080547K0FKEA	0,046	50	SMD0805-47K-1%	0,022	100		2	Farnell	0,010 €	2	0,019
35	2	10R	740-9085	CR1206-FX-10R0ELF	0,036	50	CRCW120610R0FKTABC	0,031	100		2	TME	0,031 €	2	0,062
36	2	22R	223-0332	CRG0805F220R	0,024	50	SMD0805-220R-1%	0,022	100		2	Farnell	0,019 €	2	0,038
37	1	1K5	223-0449	CRG0805F1K5	0,036	50	SMD0805-1K5-1%	0,022	100		1	Farnell	0,007 €	1	0,007
38	4	49R9	679-1462	CRCW080549R9FKEA	0,036	50	RC0805FR-0749R9	0,035	100		4	Farnell	0,009 €	2	0,019
39	9	2K2	679-1207	CRCW08052K20FKEA	0,039	50	SMD0805-2K2-1%	0,022	100		9	TME	0,022 €	2	0,045
40	2	220R	223-0332	CRG0805F220R	0,018	50	SMD0805-220R-1%	0,022	100		2	RS	0,018 €	2	0,036
41	1	4K87	-				RC0805FR-074K87	0,035	100		1	Farnell	0,016 €	1	0,016

#	Qty	Part name	Package	Reference designator	Farnell / Element14			Digi-Key			Mouser		
					Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
42	2	1K	0805	R5, R9	1099800	WCR0805-1K0FI	0,019	10	RC0805FR-071KL	0,039	10	603-RC0805FR-071KL	0,015	10
43	4	DR1206-33R-4/8	1206; resistor array	RN1, RN2, RN3, RN4	1770128	CAY16-330J4LF	0,069	10	CAY16-330J4LFCT-ND	0,090	1	652-CAY16-330J4LF	0,085	1
44	1	AI-1223-TWT-3V-2-R or LD-BZEN 0903	THT; buzzer Ø9 or Ø12 mm	SP1	-				668-1456-ND	1,190	1	665-AI1223TWT3V2R	1,230	1
45	1	PEC16-2215F-S0024	THT; encoder with switch	SW1	-				PEC16-2215F-S0024-ND	1,340	1	652-PEC16-2215FS0024	1,220	1
46	1	TL1100CF160Q	Tactile switch, without cap	SW2	2830627	TL1100CF160Q	0,474	1	EG1822-ND	0,380	1	612-TL1100C	0,442	1
47	1	ZL263-40DG	THT; 40-pin socket; female; angled 90°	X1	1805895	SSW-120-02-T-D-RA	4,920	1	SAM11958-ND	3,060	1	200-SSW12002TDRA	3,050	1
48	1	ZL231-16KG	THT; 16-pin IDC socket; male; angled 90°	X2	1642024	61201621721	0,676	1	S9179-ND	0,620	1	710-61201621721	0,680	1
49	1	1844249	THT; Pluggable Terminal Blocks; 3.5mm; 5-pin	X3	2493680	CTB932HD/5	0,373	10	732-2772-ND	1,010	1	710-691322110005	1,000	1
50	1	LMJTAB881243M-L	THT; RJ45 socket with magnetics and LEDs; shielded	X5	-				-			Non-Stocked, Call for Quote		
51	1	25 MHz	SMD; HC-49/US; XTAL	Y1	2832034	LFXTAL033342	0,227	1	1923-1536-1-ND	0,360	1	815-ABLS-25.0M-F-T	0,298	1
52	1	XTAL016178-85SMX	SMD; 8.7mm x 3.7mm; XTAL	Y2	1652572	XTAL016178-85SMX	0,440	1	1923-1021-1-ND	0,520	1	449-LFXTAL016178REEL	0,393	1
53	1	BZX384-B30.115	SOD-323	ZD1	2575164	BZX384-B30	0,157	5	1727-3649-1-ND	0,223	10	771-BZX384-B30115	0,157	10

	Not installed / optional													
	1	2-pin 2 mm header	THT	BOOT1										
	2	2n2/1kV	1206 or 1210	C1, C49	1855965	MC1210B222K102CT	0,496	5	490-12018-1-ND	0,502	10	710-885342208019	0,121	10
	1	N.C.	0603	C23										
	4	100n	0603	C23, C36, C52, C55	2522597	C0603C104K4RAC7081	0,073	10	490-4774-1-ND	0,090	100	80-C0603C104M4R	0,085	100
	3	TPD4E001DRLR	SOT-6	IC4, IC10, IC12	1611469	TPD4E001DRLR	0,453	5	296-21887-1-ND	0,590	1	595-TPD4E001DRLR	0,536	1
	1	MMBT5551	SOT-23	Q1	1459109	MMBT5551LT1G	0,154	5	MMBT5551LT1GOSCT-ND	0,180	1	863-MMBT5551LT1G	0,170	1
	2	22R	0805	R29, R30	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT220RCT-ND	0,020	10	RC0805FR-07220RL	0,026	10
	2	10K	0805	R23, R27	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10
	2	22R	0805	R19, R20	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT220RCT-ND	0,020	10	RC0805FR-07220RL	0,026	10
	1	330R	0805	R25										

#	Qty	Part name	RS Components Code	Part Number	Unit price €	MOQ	TME Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
42	2	1K	223-0427	CRG0805F1K0	0,017	50	SMD0805-1K-1%	0,022	100		2	Mouser	0,015 €	2	0,030
43	4	DR1206-33R-4/8	522-5670	CAY16-330J4LF	0,004	50	DR1206-33R-4/8	0,009	100		4	RS	0,004 €	4	0,016
44	1	AI-1223-TWT-3V-2-R or LD-BZEN 0903	-				LD-BZEN-0903	0,498	1	1		TME	0,498 €	1	0,498
45	1	PEC16-2215F-S0024	-				-			1		Mouser	1,220 €	1	1,220
46	1	TL1100CF160Q	-				-			1		Digikey	0,380 €	1	0,380
47	1	ZL263-40DG	154-8342	SSW-120-02-F-D-RA	4,320	1	ZL263-40D	0,680	1	1		TME	0,680 €	1	0,680
48	1	ZL231-16KG	771-8367	61201621721	0,676	5	ZL231-16K	0,135	5	1		TME	0,135 €	1	0,135
49	1	1844249	824-6642	691322110005	0,960	1	-			1		Farnell	0,373 €	1	0,373
50	1	LMJTAB881243M-L	-				LMJTAB881243M-L	1,890	1	1		TME	1,890 €	1	1,890
51	1	25 MHz	478-9628	LFXTAL010595	0,764	1	25.00M-SMDHC49R	0,443	2		1	Farnell	0,227 €	1	0,227
52	1	XTAL016178-85SMX	148-4350	LFXTAL016178	0,252	20	32.768KHZ-MC306	0,195	8		1	TME	0,195 €	1	0,195
53	1	BZX384-B30.115	751-3720	BZT52C30S-7-F	0,020	100	BZX384-B30.115	0,029	20		1	RS	0,020 €	1	0,020
										11	**123**				**35,01 €**

	Qty	Not installed / optional	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
	1	2-pin 2 mm header								1		Farnell	0,000 €	1	0,000
	2	2n2/1kV	723-6492	GRM31BR73A222KW01L	0,246	25	1206B222K102CT	0,030	50		2	TME	0,030 €	2	0,059
	1	N.C.									1	Farnell	0,000 €	1	0,000
	4	100n	264-4630	C0603C104K4RACTU	0,035	25	CL10B104KA8NNNC	0,098	100		4	RS	0,035 €	4	0,140
	3	TPD4E001DRLR	709-9066	TPD4E001DRLR	0,552	5	-				3	Farnell	0,453 €	3	1,359
	1	MMBT5551	545-0400	MMBT5551LT1G	0,146	10	MMBT5551	0,024	25		1	TME	0,024 €	1	0,024
	2	22R	223-0332	CRG0805F220R	0,024	50	SMD0805-220R-1%	0,022	100		2	Farnell	0,019 €	2	0,038
	2	10K	125-1189	CRG0805F10K	0,002	100	RC0805FR-0710K	0,022	100		2	RS	0,002 €	2	0,004
	2	22R	223-0332	CRG0805F220R	0,024	50	SMD0805-220R-1%	0,022	100		2	Farnell	0,019 €	2	0,038
	1	330R									1	Farnell	0,000 €	3	0,000

# Qty	Part name	Package	Reference designator	Farnell / Element14 Code	Farnell / Element14 Part Number	Farnell / Element14 Unit price €	Farnell / Element14 MOQ	Digi-Key Part Number	Digi-Key Unit price €	Digi-Key MOQ	Mouser Part Number	Mouser Unit price €	Mouser MOQ
1	47K	0805	R28	2447664	MCWR08X4702FTL	0,010	10	RHM47KKCT-ND	0,074	10	603-RC0805FR-0747KL	0,026	10
1	220R	0805	R39	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT220RCT-ND	0,020	10	603-RC0805FR-13220RL	0,020	10
1	LTST-C170YKT	0805 LED; Yellow	SPEED	2062217	SML-LX0805YC-TR	0,180	5	160-1175-1-ND	0,229	10	859-LTST-C170YKT	0,153	10
1	LTST-C170GKT	0805 LED; Green	VBUS	2322081	150080VS75000	0,171	5	160-1179-1-ND	0,201	10	859-LTST-C170GKT	0,136	10
1	22-23-2061	THT; 6-pin, 0.1" socket; wire-board; male	X4	1462922	22-23-2061	0,229	100	WM4204-ND	0,341	10	538-22-23-2061	0,275	10

# Qty	Part name	Package	Reference designator	Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
Related parts and accessories													
1	4JRED	SW2 button cap; red		-				-			612-4J-RD	0,145	1
1	A3131068	SW1 knob without pointer; Ø31x16mm; grey		-				-			-		
1	A3231007	SW1 knob cap; blue		-				-			-		
1	ER-TFT043-8-3023, resistive touchscreen	Buydisplay.com: https://www.buydisplay.com/default/low-cost-4-3-inch-480x272-tft-lcd-display-w-optl-capacitive-touch-screen											
1	Display option: RFE43BH-AIW-DNS	TFT LCD 4.3"; 480x272; resistive		-				-			-		
1	15EDGKN-3.5-05P-14-1000AH	Pluggable terminal block; 3.5mm; push-in, 5-pin		1792972	FMC 1,5/ 5-ST-3,5	3,360	1	277-6248-ND	5,060	1	651-1952296	5,060	1
1	CR2025	Battery; lithium; 3V; Ø20x2.5mm		1823475	CR 2025 MFR (1BL)	1,710	1	1908-1384-ND	0,230	1	-		

# Qty	Part name	Package	Reference designator										
Custom made components													
1	PCB 4-layer 139 x 70 mm	ALLPCB.com (Qty of 5)		-									

All prices are net prices (without VAT)

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

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

#	Qty	Part name	RS Components				TME			THT	SMD	Price calculation for 1 set			
			Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ			Best Supplier	Lowest unit price €	Order Qty	Line Cost €
	1	47K	679-1434	CRCW080547K0FKEA	0,046	50	SMD0805-47K-1%	0,022	100		1	Farnell	0,010 €	1	0,010
	1	220R	223-0332	CRG0805F220R	0,018	50	SMD0805-220R-1%	0,022	100		1	RS	0,018 €	2	0,036
	1	LTST-C170YKT	692-0925	LTST-C170YKT	0,206	50	LTST-C170YKT	0,055	10		1	TME	0,055 €	1	0,055
	1	LTST-C170GKT	692-0900	LTST-C170GKT	0,211	50	LTST-C170GKT	0,055	10		1	TME	0,055 €	1	0,055
	1	22-23-2061	679-5593	22-23-2061	0,221	10	MX-22-23-2061	0,124	5	1		TME	0,124 €	1	0,124

Related parts and acces

#	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 €
	1	4JRED	-				-					Mouser	0,145 €	1	0,145
	1	A3131068	-				A3131068	2,090	1			TME	2,090 €	1	2,090
	1	A3231007	-				A3231007	0,715	1			TME	0,715 €	1	0,715
	1	ER-TFT043-8-3023, resistive touchscreen										Buydisplay.com	13,700 €	1	13,700
	1	Display option: RFE43BH-AIW-DNS	-				RFE43BH-AIW-DNS	21,140	1			Farnell		0	0,000
	1	15EDGKN-3.5-05P-14-1000AH	176-1456	1952296	5,056	1	15EDGKN-3.5-05P-14-1000AH	1,271	1			TME	1,271 €	1	1,271
	1	CR2025	457-4741	CR-2025/BN	1,740	1	BAT-CR2025/RE-B	0,580	1			Digikey	0,230 €	1	0,230

18,15 €

Custom made componer

#	Qty	Part name										Best Supplier	Lowest unit price €	Order Qty	Line Cost €
	1	PCB 4-layer 139 x 70 mm										ALLPCB	12,800 €	1	12,800

12,80 €

Total   65,96 €