		pcs	shop	part number	mouser link	Value	Description	Remark
Destination	buzzer	1	Mouser			buzzer	5V with generator	max. diameter 14, raster 7.50
17791892								, in the second
C1 C4 C5 C6 C7 C14 C16					1/?qs=sGAEpiMZZMsK322k1r			
C1					6GeWYtvILEr%252bCRQ%3d			
FOODCOMENS ABSENCED	04 04 05 00 07 044 040			497-IE092705-1	%3d	400-5		5.00
S96-K104K15X7FE/SH5 STUCKTES/THORIDAD ST	C1, C4, C5, C6, C7, C14, C16	/	Mouser			TOONE	monolitnic capacitor	raster 5.08
S94-K12MK15X7RF5UH-5					15X7RF5UH5virtualkey59420			
C12				594-K104K15X7RF5UH5				
CZ, US	C12	1	Mouser		http://www.mouser.de/Product	22p	ceramic capacitor	raster 5.08
C2, C13								
C2, C3					UH5/?qs=sGAEpiMZZMsh%2			
C2, C3				594-K220.I10C0GF5UH5	hztXIKBUu3qv%252bs%3d			
140-500N5-150J-RC 140-	C2, C3	2	Mouser	00111220010000100110	http://www.mouser.de/Search/	15pF	ceramic capacitor	raster 5.08
14,0-500NS-150J-RC								
CS, C15					RCvirtualkey21980000virtualk			
Defam/Nachocom/USRYTATIONIDD Drags This 9x, 20eb (CS) 22 Defam/Nachocom/USRYTATIONIDD Drags This 9x, 20eb (CS) 22 Defam/Nachocom/USRYTATIONIDD Drags Defam/Nachocom/USRYTATIONIDD Defam/Nachocom/USRYTATIONID Defam/Nachoco	C8 C15	2	Mouser	140-500N5-150J-RC		100u/10V	electrolytic canacitor	raster 2.54_diameter ~7_max_height ~10
CS		[Detail/Nichicon/USR1A101MD			The state of the s
1				647-USR1A101MDD				
ElectronicsDEA1X3F150JP3A A7X958GAEpIMZ2NSWWXTM S1-DEA1X3F150JP3A A7X958GAEpIMZ2NSWXTM A7X958G	C9	1	Mouser	OTT CONTAINING	http://www.mouser.de/Product	22p/500V	high voltage ceramic capacitor	raster 5.08
A77gs=SCAE_PIMIZ/NISPINSON_ A77gs=SCAE_PIMIZ/NISPINSON_ A77gs=SCAE_P								
CON3					A/?qs=sGAEpiMZZMsh%252			
Mouser				81-DEA1X3E150 IP3A				
ElectronicsXMVPD	CON3	1	Mouser	01-DEATASI 1300F3A	http://www.mouser.de/Product	MiniUSB-B	mini usb b type connector, angle	5 pin, standard, THT
DST277GSSGAEDMZZMUM8 POOPSEZDEWWANDARFIQUOE POOPSEZDEWWANDARFICATION POOPSEZDEWWA								
D1					0512/?qs=sGAEpiMZZMulM8			
D1								
Default.ne-Ont.TL-				653-XM7D-0512	mg%3d%3d			
B59-LTL-4296N Septimoromaps Septimoromap	D1	1	Mouser			LED	3mm, in your favourite colour	
DZ4, DZ5 3 Mouser http://www.mouser.de/search/ Sy1 Zener diode 5.1V ProductDetail.aspx?R=1N523 TB- Sy1tualkey58300000virtualke					4296N/?qs=sGAEpiMZZMuU			
DZ2, DZ3	DZ1 DZ4 DZ5	3	Mouser	859-LTL-4296N		5V1	Zener diode 5 1V	
DZ2, DZ3	32., 32., 320	ľ			ProductDetail.aspx?R=1N523		20.10. 0.000 0.11	
S83-1N5231B-B V583-1N5231B-B V583-								
Defail/Visinay- Semisonductors/BZX85B3V6- TR/7gs=\$GAEpiMZZMvzzUrS	270 270			583-1N5231B-B	v583-1N5231B-B	0) (0	7	
Semiconductors/BZX85B3V6	DZZ, DZ3	2	Mouser		nπp://www.mouser.de/Product Detail/Vishav-	3Vb	Zener diode 3.6V	
T8-BZX85B3V6 9%252bUWc6yyVPRXOTK					Semiconductors/BZX85B3V6-			
Total Mouser Intp://www.mouser.de/Product LM358N LM358N Detail/Fairchild Semiconductor/LM358N/?qs= SGAEpiMZZMItCHixnSjNA6Hv CXy4Obg07ftQkS3380Mo%3d Total Mouser Intp://www.mouser.de/Product Detail/Fastron/SMCC-N-100K-02 Mouser Intp://www.mouser.de/Product Detail/Fastron/SMCC-N-100K-02 Mouser Intp://www.mouser.de/Product Detail/Fastron/MitCCS-220K-02/?qs=SGAEpiMZZMsg%252 Dy3WiYCkU45mucuneYXkWi A34-SMCCN-100K-02 AAHNTHILQ%3d Intp://www.mouser.de/Product Detail/Fastron/MitCCS-220K-02/?qs=SGAEpiMZZMsg%252 Dy3WiYCkU3Estp%252b0%2 A34-MICCS-220K-02 A34-				78-BZX85B3V6				
Semiconductor/LM358N/7qs= SGAEpiMzZMtCHixnSjNA6Hiv	IC2	1	Mouser		http://www.mouser.de/Product	LM358N	dual operational amplifier	
SGAEpiMZZMtCHixnsjNA6Hy								
1				540 I M050N	sGAEpiMZZMtCHixnSjNA6Hv			
Defail/Fastron/SMCC-N-10UK- 02/?qs=sGAEpiMZZMsg%252 by3WIYCKU45muCuneYXkWi aAHNTHILQ%3d http://www.mouser.de/Product Defail/Fastron/MICCS-22UK- 02/?qs=sGAEpiMZZMsg%252 by3WIYCKU3Esig%2520by2 434-MICCS-220K-02 f4X/gaKBXDpkBGs%3d http://www.mouser.de/Product Defail/Fastron/SMCC-N-10UK- 02/?qs=sGAEpiMZZMsg%252 by3WIYCKU3Esig%252b0%2 f4X/gaKBXDpkBGs%3d http://www.mouser.de/Product Defail/KOA-Speer/MF1-	L1	1	Mouser	D I ∠-LIVIJD8IN		10uH	Inductor, axial	
L2		1			Detail/Fastron/SMCC-N-100K-			
A34-SMCCN-100K-02 aAHNTHILQ%3d								
Defail/Fastron/MICCS-220K- 02/*/qs=sGAEpiMzZMsg%252 by3WYYCkU3Estp%252b0%2 434-MICCS-220K-02 f4X7gaRBXDpkBGs%3d http://www.mouser.de/Pfoduct Defail/KOA-Speer/MF1- 1 Mouser http://www.mouser.de/Pfoduct Defail/KOA-Speer/MF1-		<u> </u>		434-SMCCN-100K-02	aAHNTHILQ%3d	00	Englished and add	
02/?qs=sGAEpiMzZMsg%252 by3WfYCkU3Estp%252bO%2 f434-MICCS-220K-02 T4X7gaKBXDpkBgs%3d ntp://www.mouser.de/Product 470 resistor 1/4W, 5% Detail/kOA-Speer/MF1-	LZ	1	Mouser			22uH	inductor, axiai	
434-MICCS-220K-02 f4X7gaKBXDpKBGs%3d					02/?qs=sGAEpiMZZMsg%252			
R1 1 Mouser http://www.mouser.de/Product 470 resistor 1/4W, 5% Detail/KOA-Speer/MF1-				434-MICCS-220K-02				
	R1	1	Mouser		http://www.mouser.de/Product	470	resistor 1/4W, 5%	
1 14LU 2ZK4/ JJ / QS=SGAEDINI					Detail/KOA-Speer/MF1- 4LCT52R471J/?gs=sGAEpiM			
ZZMtlubZbdnlBIBiU%2fdU%2f				000 ME4/41 CT50D 477	ZZMtlubZbdhlBlBiU%2fdU%2f			
R10 660-MF1/4LCT52R471J 2aMBLNYf4NMtgqw%3d R10 1 Mouser http://www.mouser.de/Product 200k resistor 0.6W, 1%, metalized	R10	1	Mouser	660-MF1/4LC152R471J		200k	resistor 0.6W, 1%, metalized	
Detail/TE-Connectivity-		[Detail/TE-Connectivity-		, , , , , , , , , , , , , , , , , , , ,	
Neohm/LR1F200K/?qs=sGAE piMZZMtlubZbdhlBiFho3SHfD								
279-LR1F200K XSty5MyXeGncVQ%3d				279-LR1F200K				

	pcs	shop	part number	mouser link	Value	Description	Remark
R11	1	Mouser	partitionisci	http://www.mouser.de/Product	68k	resistor 0.6W, 1%, metalized	Terriary
KII	'	Mousei		Detail/TE-Connectivity-	OOK	resistor 0.0vv, 170, metalized	
				Neohm/LR1F68K/?qs=sGAEp			
				iMZZMtlubZbdhlBIFho3SHfD			
			279-LR1F68K	XStUtfD5W4H2AY%3d			
R14, R21	2	Mouser		http://www.mouser.de/Product	100k	resistor 0.6W, 1%, metalized	
				Detail/TE-Connectivity- Neohm/LR1F100K/?qs=sGAE			
				piMZZMtlubZbdhlBIFho3SHfD			
			279-LR1F100K	XStyHqsH%2fB6ENQ%3d			
R2	1	Mouser		http://www.mouser.de/Product	10k	resistor 1/4W, 5%	
				Detail/KOA-Speer/MFS1-			
				4DCT52R1002F/?qs=sGAEpi			
				MZZMu61qfTUdNhG%2fDQa wzJ6c7PxO8WA%2fw0T2E%			
			660-MS1/4DCT52R1002	3d			
R20	1	Mouser	000-100017-2001321(1002	http://www.mouser.de/Product	22k	resistor 0.6W, 1%, metalized	
				Detail/TE-Connectivity-		,,	
				Neohm/LR1F22K/?qs=sGAEp			
				iMZZMu61qfTUdNhG0k3J%2			
			279-LR1F22K	52b4UeQ2nzRx4YkCm43I%3			
R19	1	Mouser	2/9-LR 1F22N	http://www.mouser.de/Product	33k		
1113	Ι'	IVIOUSCI		Detail/TE-Connectivity-	OOK		
				Neohm/LR1F1K0/?qs=sGAEp			
				iMZZMu61qfTUdNhG0k3J%2			
				52b4UeQ2n0t8q6nOWP2U%			
DE DC		Mariaan	279-LR1F33K	3d	69	Legister 4/4/N/ E0/	
R5, R6	2	Mouser		http://www.mouser.de/Product Detail/Xicon/291-68-	08	resistor 1/4W, 5%	
				RC/?qs=sGAEpiMZZMtlubZbd			
				hIBIOeQLv1WbhugYUs41fvO			
			291-68-RC	0%252b0%3d			
R7	1	Mouser		http://www.mouser.de/Product	1k5	resistor 1/4W, 5%	
				Detail/TE-Connectivity-			
				Neohm/CFR16J1K5/?qs=sGA			
			279-LR1F220K	EpiMZZMtlubZbdhIBIOCXMLk fQ6V9OxcT7yRerpw%3d			
R9, R13	1	Mouser	Z79-LICIT ZZOIC	http://www.mouser.de/Product	220k	resistor 0.6W, 1%, metalized	
1.0,1.10	·			Detail/TE-Connectivity-		Todator Crovv, 170, motanizou	
				Neohm/LR1F220K/?qs=sGAE			
				piMZZMtlubZbdhlBIFho3SHfD			
			070 D4500014	XStMdh3%252bs1x%252bFE			
SW1, SW2, SW3	3	Mouser	279-LR1F220K	%3d https://www.mouser.de/Searc	tact switch	angle with button height 5.85mm or more	
3001, 3002, 3003	١٩	Wousei		h/ProductDetail.aspx?R=2-	lact Switch	angle with button neight 5.55mm of more	
				1825027-			
				Ovirtualkey50660000virtualkey			
			506-2-1825027-0	506-2-1825027-0			switch
T1	1	Mouser		http://www.mouser.de/Product	BS170	n-mosfet, TO-92	
				Detail/Fairchild- Semiconductor/BS170_D27Z/			
				?qs=sGAEpiMZZMshyDBzk1			
				%2fWi6u8DDnmpUwtixQcEN			
			512-BS170D27Z	p3p68%3d			
X1	1	Mouser		http://www.mouser.de/Product	20MHz	crystal resonator, HC-49S	
	1	1		Detail/Fox/FOXSLF-200-			
	1	1		20/?qs=sGAEpiMZZMsBj6bBr 9Q9aRTaFt3VVGpld2PX1XJS			
	1	1	559-FOXS200-20-LF	gd4%3d			
CON1	1	Mouser	555 : 67,6266 26 21	http://www.mouser.de/Product	RS232	1x4 pin header, angle	optional, raster 2.54
				Detail/Harwin/M20-			' '
				9960246/?qs=sGAEpiMZZMu			
0010		1	855-M20-9960246	6TJb8E8Cjr6PY1FLBIgPV	100		
CON2	1	Mouser		http://www.mouser.de/Product Detail/Harwin/M20-	lor	2x3 pin header, straight	optional, raster 2.54
	1	1		9770246/?qs=sGAEpiMZZMu			
	1	1	855-M20-9770246	6TJb8E8CjrwMnxwMp53te			
VR1	1	Mouser		http://www.mouser.de/Product	10k	variable resistor, type 3296W	mount only with native I2C display
	1			Detail/BI-Technologies-TT-			' '
	1			Electronics/67WR10KLF/?qs=			
	1	1		sGAEpiMZZMvygUB3GLcD7t			
	1	1	858-67WR10KLF	%252bTH1DfRowScE3Cd2W oEC0%3d			
T2	1	Mouser	000-07WK IUNLF	http://www.mouser.de/Product	RS170	n-mosfet, TO-92	mount only with native I2C display
	1'	I VIOUSUI		Detail/Fairchild-			
	1	1		Semiconductor/BS170 D27Z/			
	1	1		?qs=sGAEpiMZZMshyDBzk1			
	1		540 0047005==	%2fWi6u8DDnmpUwtixQcEN			
			512-BS170D27Z	p3p68%3d		1	

	pcs	shop	part number	mouser link	Value	Description	Remark
R3, R4	2	Mouser		http://www.mouser.de/Product Detail/KOA-Speer/MF 1- 4LCT52R222J/?qs=sGAEpiM ZZMtiubZbdhIBIBIU%2fdU%2f 2aMBiz8d3Ah9daE%3d	2k2	resistor 1/4W, 5%	mount only with native I2C display
DISP1	1		buy somewhere else those ar	http://www.mouser.de/Product Detail/mikroElektronika/MIKR OE- 55/?qs=sGAEpiMZZMuCISx1 W3tuznzw%252bFuT6CWS		alphanumeric LCD 2x16 with additional expander*	only one display or none
or DISP2	1			http://www.mouser.de/Product Detail/Newhaven- Display/NHD-0216CW- AB3/?qs=sGAEpiMZZMshRH SPqbouvOr0%2fnIF2uMHnmI hq7UytQ%2f4fxaTmON4NQ% 3d%3d	Display	alphanumeric LCD 2x16 with native I2C**	only one display or none
R15, R16	2				10M	resistor 0.6W, 1%, metalized	will be delivered
L3	1				10mH	inductor, vertical	will be delivered
R22	1			http://www.mouser.de/Product	112	resistor 0.6W, 1%, metalized	will be delivered
				Detail/TE-Connectivity- Neohm/LR1F1K0/?qs=sGAEp iMZZMu61qf1UdNhG0k33/%2 52b4UeQ2n0t8q6nOWP2U% 3d		reside 6.644, 176, inclanaed	will be delivered
R17	1			http://www.mouser.de/Product Detail/TE- Connectivity/CFR16J33K/?qs =%2fha2pyFaduj6rHsrYtyzKJ S6htRk52LfyEn2kzF4dNc%3d	33k	resistor 0.6W, 1%, metalized	will be delivered
R8	1			http://www.mouser.de/Product Detail/TE- Connectivity/LR1F470K/?qs=i p69W3eHERXAbrHhfTLqcA% 3d%3d		resistor 0.6W, 1%, metalized	will be delivered
R12, R18	2				5M1	resistor 0.6W, 1%, metalized	will be delivered
Enclosure	1				KM-33B	machined at CNC	will be delivered
Distance	2				M2.5x10		will be delivered
Screw	4				M2.5x4		will be delivered
T3	1				MPSA44	high voltage NPN, darlington transistor, TO-92	will be delivered
GMTUBE	1				SBM-20 / STS-5 / BOB-33A	Geiger-Muller Tube, as specified	will be delivered
D2	1				UF4007	ultra fast rectifier diode, 1kV	will be delivered
Tube Holder	1						will be delivered
IC1	1				ATmega88P	avr microcontroller	will be delivered programmed
C10, C13	2				220n/630V	polypropylene or poliester capacitor	will be delivered, raster 15.24
C11	1				4n7	MKT, MKP or monolithyc capacitor	will be delivered, raster 5.08