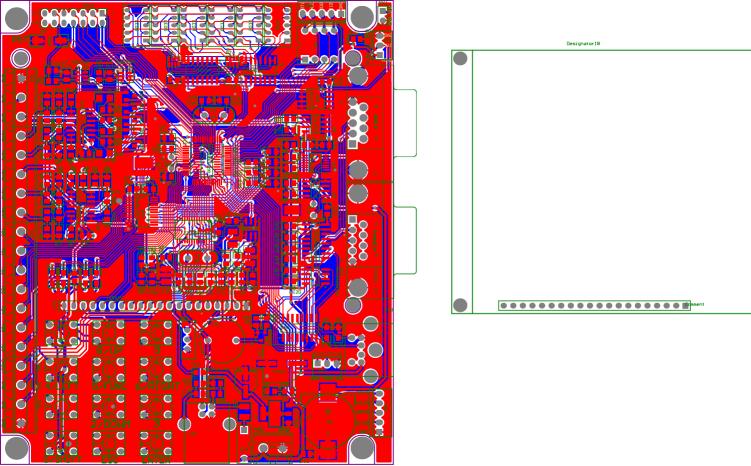


A2

3



Comment	Description	Designator	Footprint	LibRef	Quantity
3V	Multicell Battery	BT1	BTAY	Battery	-
0.1u	Capacitor	C1, C2, C4, C5, C7, C8, C9, C10, C12, C15, C16, C17, C30, C31, C37, C38, C39, C41,	CR2012-0805	Cap	
22pF	Consider	C42, C43, C44, C45 C3, C6, C19, C20	CR2012-0805	Cap	ļ
22pF 470pF	Capacitor Capacitor	C3, C6, C19, C20 C11	CR2012-0805 CR2012-0805	Cap	-
0.01u	Capacitor	C13	CR2012-0805	Cap	
68p	Capacitor	C14	CR2012-0805	Cap	
22p	Capacitor	C18, C21	CR2012-0805	Cap	
0.1u	Capacitor (Semiconductor SIM	C22, C23, C24, C25, C26	R2012-0805	Cap Semi	I -
	Model) Polarized Capacitor				—
470uF	(Radial)	C27	SM10	Cap Pol1	
100uF	Polarized Capacitor (Radial)	C28	SM5	Cap Pol1	Ь
4.7u	Polarized Capacitor (Radial)	C29	1210	Cap Pol1	
5n	Capacitor	C32, C33, C34,	CR2012-0805	Сар	
10u	Capacitor	C35, C36 C40	CR2012-0805	Cao	
USB_Header		CZ1	USB-B	USB_Header	
Diode 1N4148	High Conductance Fast Diode	D1, D2, D3, D4	3216	Diode 1N4148	
3.3V	High Conductance	D5, D6	3216	Diode 1N4148	
	Fast Diode				
BAT54S		DD1, DD2, DD3, DD4, DD5	90-G3	BAT54S	
LED	Typical BLUE SIC LED	DS1	SMD_LED	LED3	
GOODLINK	Typical BLUE SIC LED	DS2	SMD_LED	LED3	1
MSP430LF149	LLD	IC1	F-QFP64forMy149	F14X	
MSP430LF1232		IC2	PW028forMy1232	F12X	
RS232	Receptacle Assembly, 9 Position, Right Angle	J1	RS232_male	D Connector 9	
RS232	Receptacle Assembly, 9 Position, Right Angle	J2	DSUB1.385-2H9	D Connector 9	
PS2	6 Pin Through Hole PS2 Socket (Kycon P/N)	J3	MyPS2-6PIN	PS2-6PIN	
430JTAG 7X2	Header, 7-Pin, Dual row	JP1	MyHDR2X7	430JTAG 7X2	
Header 3	Header, 3-Pin	JP2	MKDSN_3RMI	Header 3	
Header 3	Header, 3-Pin	JP3, JP10	header-2.54-3	Header 3	
Header 2	Header, 2-Pin	JP4	MKDSN_2RMI	Header 2	
Header 5 Header 5	Header, 5-Pin Header, 5-Pin	JP5, JP6 JP7	header-2.54-5 MKDSN_5RMI	Header 5 Header 5	—
Header 5 Header 4	Header, 5-Min Header, 4-Pin	JP8	MKDSN_5HMI MKDSN_4RMI	Header 5 Header 4	-
Header 7	Header, 7-Pin	JP9	mkdsn_7rmi	Header 7	
Header 2	Header, 2-Pin	JP11	HDR1X2	Header 2	
CBG201209U151B	Inductor	L1, L2	1210	Inductor	
3R3 12864M	Inductor	LCD1	CR3225-1210 MyHDR1X20	Inductor 12864M	-
		LED1, LED2, LED3,			l —
LED		LED1, LED2, LED3, LED4, LED5, LED6	led7x11	LED_CC	l
Speaker	Loudspeaker	LS1	FMQ	Speaker	
S8050	Desister f	Q1	NPN	S8060	
RES PACK 4	Resistor Array - Parts	R1, R2	SOP8	RES PACK 4	_
10K	Resistor	R3, R4, R5, R6, R16, R17, R25, R26, R27, R60	CR2012-0805	Res2	
5K	Resistor	R7, R8, R9, R10, R11, R12, R13	R2012-0805	Res2	Щ
10	Resistor	R14	CR2012-0805	Res2	
10 1M	Resistor	R14 R15, R21, R22, R23	CR2012-0805	Res2	
10 1M 18R 1%	Resistor Resistor	R14 R15, R21, R22, R23 R18, R20	CR2012-0805 CR2012-0805	Res2 Res2	
10 1M 18R 1% 1K	Resistor Resistor Resistor	R14 R15, R21, R22, R23 R18, R20 R19, R24	CR2012-0805 CR2012-0805 CR2012-0805	Res2 Res2 Res2	
10 1M 18R 1% 1K 4.7K	Resistor Resistor Resistor	R14 R15, R21, R22, R23 R18, R20 R19, R24 R28	CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805	Res2 Res2 Res2 RES2	
10 1M 18R 1% 1K	Resistor Resistor Resistor	R14 R15, R21, R22, R23 R18, R20 R19, R24	CR2012-0805 CR2012-0805 CR2012-0805	Res2 Res2 Res2	
10 1M 18R 1% 1K 4.7K	Resistor Resistor Resistor	R14 R15, R21, R22, R23 R18, R20 R19, R24 R28 R30, R34 R31, R32 R33	CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR3216-1206	Res2 Res2 Res2 RES2	
10 1M 18R 1% 1K 4.7K 24.9K 5K	Resistor Resistor Resistor Resistor Resistor Resistor	R14 R15, R21, R22, R23 R18, R20 R19, R24 R28 R30, R34 R31, R32 R33 R35, R36, R37, R38, R39, R40, R41, R42, R43,	CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR3216-1206 CR2012-0805	Res2 Res2 Res2 RES2 RES2 Res2	
10 1M 18R 1% 1K 4.7K 24.9K SSK Res Tap	Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Tapped Resistor	R14 R15, R21, R22, R23 R18, R20 R19, R24 R26 R30, R34 R31, R32 R33 R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R46 R47, R46, R47, R46, R47, R40, R50, R51,	CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR3216-1206 CR3216-1206 CR2012-0805 RVAR CR2012-0805	Res2 Res2 Res2 RES2 RES2 Res2 Res Tap	
10 1M 18R 1% 1K 4.7K 24.9K 55K Res Tap	Resistor	R14 R15, R21, R22, R23 R18, R20 R19, R24 R28 R30, R34 R31, R32 R33 R35, R36, R37, R38, R39, R40, R45, R46, R46, R46, R46, R46, R46, R46, R46	CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 RVAR CR2012-0805 CR2012-0805	Res2 Res2 Res2 RES2 RES2 RES2 Res52 Res52 Res Tap RES2 RES2	
10 1M 18R 1% 18R 1% 1K 4.7K 24.9K SK Res Tap 50K	Resistor	R14 R15, R21, R22, R23 R18, R20 R19, R24 R28 R30, R34 R31, R32 R33 R35, R36, R37, R35, R36, R37, R35, R36, R37, R36, R36, R36, R36, R36, R36, R36, R36	CR2012-0805	Res2 Res2 Res2 Res2 Res2 Res2 Res2 Res2	
10 1M 18R 1% 18R 1% 1K 4.7K 24.9K SK Res Tap 50K	Resistor	R14 R15, R21, R22, R23 R18, R20 R19, R24 R28 R30, R34 R31, R32 R33 R35, R36, R37, R36, R37, R36, R39, R40, R41, R42, R43, R41, R42, R43, R41, R45, R46, R47, R66, R57, R86, R57, R86	CR2012-0805	Res2 Res2 Res2 Res2 Res2 Res2 Res2 Res2	
10 1M 18R 1% 18R 1% 18K 4.7K 24.9K 50K Res Tap 100 120 RST	Resistor Switch Switch Switch	R14 R15, R21, R22, R23 R19, R20 R19, R24 R28 R30, R34 R31, R32 R33 R35, R36, R37, R36, R37, R36, R39, R40, R37, R46, R46, R46, R46, R46, R46, R46, R46	CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR3012-0805 CR3012-0805 CR3012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 SO-59W	Res2	
10 1M 18R 1% 18R 1% 1K 4.7K 24.9K 5K Res Tap 50K 51 100 120 RST SW SO8	Resistor	R14 R15, R21, R22, R23 R19, R20 R19, R24 R28 R30, R34 R31, R32 R33 R35, R36, R37, R38, R39, R40, R45, R45, R46, R47, R48 R40, R50, R51, R52, R53, R54, R55, R56, R57, R58 R54, R55, R56, R57, R58 R59 R5W1	CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 RVAR CR2012-0805 SR2012-0805 SR2012-0805	Res2 Res2 Res2 Res2 Res2 Res2 Res2 Res2	
10 11M 11M 118R 119 11K 4.7X 24.9K 59 66 67 68 67 110 100 120 120 120 120 120 120 120 120	Resistor DiP Switch DIP Switch	R14 R15, R21, R22, R23 R18, R20, R31, R24 R28, R30, R34 R31, R32 R33 R35, R36, R37, R36, R37, R36, R39, R40, R41, R42, R43, R45, R45, R45, R45, R45, R45, R45, R45	CR2012-0005 CR2012-0005 CR2012-0005 CR2012-0005 CR2012-0005 CR2012-0005 RVAR CR2012-0005	Res2 Res2 Res2 Res2 Res2 Res2 Res2 Res2	
10 1M 1M 1M 1M 1RR 1W 1K K 4 7K 2 24 66 5K SK SK SS	Resistor Switch OIPS witch Switch Switch Switch	R14 R15, R21, R22, R23 R18, R20 R19, R24 R24 R25	CR2012-0005 SO-SW SW-DPP SO-G16 KEY KEY	Res2 Res2 Res2 Res2 Res2 Res2 Res2 Res2	
10 1M 188 1% 1K 47K 27K 28 5K 88 Tap 100 100 1100 120 188 TS 8W 5016 7 8UP 100 100 100 100 100 100 100 100 100 10	Resistor Res	R14 R15, R21, R22, R23 R18, R20 R19, R20 R19, R20 R19, R24 R28 R20, R34 R31, R32 R33 R35, R36, R37, R36, R36, R36, R37, R36, R36, R36, R37, R36, R36, R36, R36, R36, R36, R36, R36	CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 RVAR CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 SO-SW SW-DIPP SO-O-16	Res2 Res2 Res2 Res2 Res2 Res2 Res2 Res2	
10 10 11 11 11 11 11 11 11 11 11 11 11 1	Resistor Disposition Resistor	R14 R15, R21, R22, R23 R15, R00 R15, R21, R22, R23 R15, R00 R15, R24 R23	CR2012-0805 CR2012	Rest2	
10 1M 188 1% 1K 47K 27K 28 5K 88 Tap 100 100 1100 120 188 TS 8W 5016 7 8UP 100 100 100 100 100 100 100 100 100 10	Resistor Res	R14 R15, R21, R22, R23 R18, R20 R19, R20 R19, R20 R19, R24 R28 R20, R34 R31, R32 R33 R35, R36, R37, R36, R36, R36, R37, R36, R36, R36, R37, R36, R36, R36, R36, R36, R36, R36, R36	CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 RVAR CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 CR2012-0805 SO-SW SW-DIPP SO-O-16	Res2 Res2 Res2 Res2 Res2 Res2 Res2 Res2	
10 10 11 11 11 11 11 11 11 11 11 11 11 1	Resider Reside	R744 R745, R212, R22, R22 R746, R20 R746, R20 R740, R24 R20, R26 R20, R27 R20, R20, R20 R20 R20 R20 R20 R20 R20 R20	CH2012-0805 CH2012	Rest2	
10 1M 188 1% 1K 47K 22 28 6K 5K 6K 6K 6K 6K 75 100 100 120 120 120 120 120 120 120 120	Resister Res	R144 FR15, R21, R22, R22 FR18, R20 F	CH2012-0805 CH2012	Paus 2 Paus 2 Paus 2 Paus 2 Paus 3 Pa	
10 10 1M	Resistor Res	17-14 (1975, Paris, Par	GR0012 68065 GR001	Paud Paud Paud Paud Paud Paud Paud Paud	
10 10 11 11 11 11 11 11 11 11 11 11 11 1	Resister Res	R144 FR15, R21, R22, R22 FR18, R20 F	CH2012-0805 CH2012	Paus 2 Paus 2 Paus 2 Paus 2 Paus 3 Pa	
10 1M 188 1% 1K 42 7K 24 9K 24 9K 26 9K Res Tap 50K 51 100 100 120 RSST 89W 508 89W 5018 7 80B 89W 5018 7 100 100 100 100 100 100 100 100 100 1	Resister Assister Ass	R144 R15, R21, R22, R22 R15, R23 R15, R24 R15, R25, R25, R25, R25, R25, R25, R25, R2	GRODI 2005 GRODI	Final C	
10 10 11M 11M 11M 11M 11M 11M 11M 11M 11	Hassister Assister As	R144 R15, R21, R22, R22 R15, R31, R31, R31, R31, R31, R31, R31, R31	CH2012-0805 CH2012	Read Re	
10 10 11 11 11 11 11 11 11 11 11 11 11 1	Resister Assister Ass	R144 R156, R212, R22, R22 R158, R20	CH2012-0805 CH2013-1805 CH201	Bas2	
10 MM MIN MIN MIN MIN MIN MIN MIN MIN MIN	Resister Assister Ass	R144 R15, R21, R22, R22 R18, R20 R18, R20 R18, R20 R28 R28 R21, R22 R23 R26 R21, R22 R26 R27 R27 R26 R27	CR0012-0805 CR0012	Bas2	
10 MM MIN MIN MIN MIN MIN MIN MIN MIN MIN	Resider Reside	R144 R156, R212, R22, R22 R158, R20	CH2012-0805 CH2013-1805 CH201	Bas2	
100 101 101 102 101 103 101 103 103 103 103 103 103 103	Resister Res	R144 R156, R21, R22, R22 R158, R20 R158, R20 R158, R20	CH2012-2605 CH201	Basic Basi	
10 10 11 11 11 11 11 11 11 11 11 11 11 1	Resider Fesseler Fess	R14 R14 R15, R21, R22, R22 R15, R25 R15, R21, R22, R22 R15, R20 R1	CH2012 4805 CH201	Flast Flas	
10 10 11 11 11 11 11 11 11 11 11 11 11 1	Resister Res	R14 R14 R22, R22 R22 R18 R20	CH2012-2805 CH201	Field	
10 Mill 1981 198 1981 198 1982 198 50 C 50	Massister Massis	R14	CA2012-0805 CA201	Bas2	
10 10 10 10 10 10 10 10 10 10 10 10 10 1	Resister Res	#14 #14 #15, #21, #22, #23 #15, #24 #15, #21, #22, #23 #15, #24 #15, #24 #15, #24 #15, #24 #15, #24 #15, #24 #15, #24 #15, #24 #15, #24 #15, #24 #15, #24 #15, #24 #15, #24 #15, #24 #15, #25 #1	CH2012 4805 CH201	Read	
10 10 11 11 11 11 11 11 11 11 11 11 11 1	Resider Reside	R14 R14 R22, R22 R22 R18 R20	CH2012-2805 CH2012	Field	
10 10 11 11 11 11 11 11 11 11 11 11 11 1	Resister Res	RTM	CH2012-2805 CH201	Field	
10 10 11 11 11 11 11 11 11 11 11 11 11 1	Resister Res	RTM	CH2012-2805 CH201	Field	
10 10 11 11 11 11 11 11 11 11 11 11 11 1	Resider Reside	R14	CH2012-0805 CH2012	Bas2	
10 10 11M 11M 11M 11M 11M 11M 11M 11M 11	Resider Reside	R14	CH2012-24005 CH201	Field	