## BoM, for kit building assembly

гef	value	Vendor	Vendor P/N	NOTE1	NOTE 2	QTY
C1	100n	DigiKey	399-5863-ND		Decoupling capacitor	1
C2	100u	DigiKey	P833-ND		Capacitor Voltage Rating >= 16V	1
С3	100n	DigiKey	399-5863-ND		Decoupling capacitor	1
C4	100n	DigiKey	399-5863-ND		Decoupling capacitor	1
C5	100n	DigiKey	399-5863-ND		Decoupling capacitor	1
C6	100n	DigiKey	399-5863-ND		Decoupling capacitor	1
C7	100n	DigiKey	399-5863-ND		Decoupling capacitor	1
C8	100u	DigiKey	P833-ND		Capacitor Voltage Rating >= 16V	1
C9	100n	DigiKey	399-5863-ND		Decoupling capacitor	1
C10	100n	DigiKey	399-5863-ND		Decoupling capacitor	1
C13	100n	DigiKey	399-5863-ND		Decoupling capacitor	1
C14	100n	DigiKey	399-5863-ND		Decoupling capacitor	1
C15	100n	DigiKey	399-5863-ND		Decoupling capacitor	1
C16	0.47mF,5V5	DigiKey	EEC-S0HD473V		Super Capacitor	1
C17	100n	DigiKey	399-5863-ND		Decoupling capacitor	<u>.</u>
D1	GRN	DigiKey	1080-1134-ND		Debug LED, 3mm or 5mm LED, any Color	<u>.</u> 1
D2	YEL	DigiKey	1080-1134-ND		Debug LED, 3mm or 5mm LED, any Color	<u>'</u> 1
D3	PWR	DigiKey	1080-1134-ND		Debug LED, 3mm or 5mm LED, any Color	<u>'</u>
D3						
	3V3_Z	DigiKey	1N5226BFSCT-ND		Zener Diode, 3.3V, for DCF77	1
D5	1N4007	DigiKey	1N4007DICT-ND		Diode, for reverse polarity protection	1
D6	1N4148	DigiKey	1N4148TA		Diode, Small signal	1
D7	1N4148	DigiKey	1N4148TA		Diode, Small signal	1
D8	1N4148	DigiKey	1N4148TA		Diode, Small signal	1
D9	1N4148	DigiKey	1N4148TA		Diode, Small signal	1
K1	PWR	DigiKey	SAM1031-50-ND		Header, Male, 3 pin, for PWR_SEL	1
		DigiKey	S9341-ND		Jumper socket for PWR_SEL K1	1
K2	CONN_3	DigiKey	SAM1031-50-ND		Header, Male, 3 pin, for LED_ENABLE	1
		DigiKey	S9341-ND		Jumper socket for LED_ENABLE K2	1
P1	DCF77	DigiKey	SAM1031-50-ND		Header, Male, 6 pin, for DCF77	1
P5	ANODES	DigiKey	SAM1095-36-ND		Header, 16x2 pin	1
P6	KATHODES	DigiKey	SAM1095-36-ND		Header, 16x2 pin	1
P7	FTDI	DigiKey	SAM1043-50-ND		Header, 6 pin, right angle, for FTDI	1
P13	ISP		SAM1095-36-ND	Optional	Header, 3x2 pin	1
P20	DC_IN	DigiKey	CP-002B-ND		Barrel socket	1
R1	10k	DigiKey	CF18JT10K0CT-ND		Resistor, 1/8W, 5%	1
R2	10k	DigiKey	CF18JT10K0CT-ND		Resistor, 1/8W, 5%	1
R3	10k	DigiKey	CF18JT10K0CT-ND		Resistor, 1/8W, 5%	1
R4	10k	DigiKey	CF18JT10K0CT-ND		Resistor, 1/8W, 5%	1
R5	10k	DigiKey	CF18JT10K0CT-ND		Resistor, 1/8W, 5%	1
R6	4k7	DigiKey	CF18JT4K70CT-ND		Resistor, 1/8W, 5%	1
R7	4k7	DigiKey	CF18JT4K70CT-ND		Resistor, 1/8W, 5%	1
R8	1k	DigiKey	CF18JT1K00CT-ND		Resistor, 1/8W, 5%	1
R9	1k	DigiKey	CF18JT1K00CT-ND		Resistor, 1/8W, 5%	1
R10	10K	DigiKey	CF18JT10K0CT-ND		Resistor, 1/8W, 5%	1
R11	LDR	DigiKey	PDV-P9007-ND		LDR, 10k to 100k	1
R12	6.8E	DigiKey	6.8EBK-ND		Resistor, 1/6W, 5%	1
R13	6.8E	DigiKey	6.8EBK-ND		Resistor, 1/6W, 5%	1
R14	6.8E	DigiKey	6.8EBK-ND		Resistor, 1/6W, 5%	1
R15	6.8E	DigiKey	6.8EBK-ND		Resistor, 1/6W, 5%	<u></u>
R16	6.8E	DigiKey			Resistor, 1/6W, 5%	<u>.</u> 1
R17	6.8E		6.8EBK-ND		Resistor, 1/6W, 5%	<u>'</u>
R18	6.8E	DigiKey			Resistor, 1/6W, 5%	<u>'</u> 1
R19	6.8E	DigiKey	6.8EBK-ND		Resistor, 1/6W, 5%	<u>_</u> 1
R20	6.8E	DigiKey	6.8EBK-ND		Resistor, 1/6W, 5%	<u>'</u> 1
R20	6.8E				· · ·	<u> </u> 1
		DigiKey	6.8EBK-ND		Resistor, 1/6W, 5%	
R22	6.8E	DigiKey	6.8EBK-ND		Resistor, 1/6W, 5%	1

## BoM, for kit building assembly

ref	value	Vendor	Vendor P/N	NOTE1	NOTE 2	QTY
R23	6.8E	DigiKey	6.8EBK-ND	•	Resistor, 1/6W, 5%	1
R24	6.8E	DigiKey	6.8EBK-ND		Resistor, 1/6W, 5%	1
R25	6.8E	DigiKey	6.8EBK-ND		Resistor, 1/6W, 5%	1
R26	6.8E	DigiKey	6.8EBK-ND		Resistor, 1/6W, 5%	1
R27	6.8E	DigiKey	6.8EBK-ND		Resistor, 1/6W, 5%	1
R28	4k7	DigiKey	CF18JT4K70CT-ND		Resistor, 1/8W, 5%	1
R29	220E	DigiKey	CF14JT220RCT-ND		Resistor, 1/4W, 5%	1
R30	4k7		CF18JT4K70CT-ND		Resistor, 1/8W, 5%	1
R31	1k	DigiKey	CF18JT1K00CT-ND		Resistor, 1/8W, 5%	1
R32	10k	DigiKey	CF18JT10K0CT-ND		Resistor, 1/8W, 5%	1
R33	10k	DigiKey	CF18JT10K0CT-ND		Resistor, 1/8W, 5%	1
R34	820E		CF18JT820R		Resistor, 1/8W, 5%	1
R35	4k7		CF18JT4K70		Resistor, 1/8W, 5%	1
SW1	MODE	DigiKey	450-1657-ND		Right Angle switch	<u>'</u> 1
SW2	HOUR+	DigiKey	450-1657-ND		Right Angle switch	<u>'</u> 1
SW3	MIN+		450-1657-ND			<u>'</u> 1
		DigiKey			Right Angle switch	
SW4	RST	DigiKey	450-1657-ND		Right Angle switch	1
SW5	ENTER	DigiKey			Right Angle switch	1
U1	74HC595	DigiKey	568-1484-5-ND		IC SHIFT REGISTER 8BIT 16DIP	1
*	Socket 16 DIP		A100206-ND		Socket for IC U1	1
U2	74HC595	DigiKey	568-1484-5-ND		IC SHIFT REGISTER 8BIT 16DIP	1
*	Socket 16 DIP		A100206-ND		Socket for IC U2	1
U3	ATMEGA8-P	DigiKey	ATMEGA328-PU-ND		IC MCU AVR 32K FLASH 28PDIP	1
*	Socket 28 DIP	DigiKey	A100210-ND		Socket for IC U3	1
U4	74HC595	DigiKey	568-1484-5-ND		IC SHIFT REGISTER 8BIT 16DIP	1
*	Socket 16 DIP	DigiKey	A100206-ND		Socket for IC U4	1
U5	74HC595	DigiKey	568-1484-5-ND		IC SHIFT REGISTER 8BIT 16DIP	1
*	Socket 16 DIP	DigiKey	A100206-ND		Socket for IC U5	1
U6	DS1307	DigiKey	DS1307+-ND		IC RTC SERIAL 512K 8-DIP	1
*	Socket 8 DIP	DigiKey	A100204-ND		Socket for IC U6	1
U7	UDN2981A	Jameco	1762681		Trans Darlington NPN/PNP 50 Volt 0.5A 18-Pin Plastic	1
*	Socket 18 DIP	DigiKey	A100207-ND		Socket for IC U7	1
U8	UDN2981A	Jameco	1762681		Trans Darlington NPN/PNP 50 Volt 0.5A 18-Pin Plastic	1
*	Socket 18 DIP	DigiKey	A100207-ND		Socket for IC U8	1
U9	78L05	DigiKey	MC7805CTGOS-ND		ONLY if V_IN > 5V. ELSE USE SHORTING LINK	1
X1	16MHz	DigiKey	X908-ND		Resonator, with capacitors, 3 pin	1
X2	CRYSTAL	DigiKey	535-9034-ND		Crystal for RTC U6	1
PCB1	PCB				Main Board	1
						94
NOT USED	COMPONENTS					
Α0	CONN_1		Break Out Pad, no component		Arduino Port A0	1
A1	CONN_1		Break Out Pad, no component		Arduino Port A1	1
A2	CONN_1		Break Out Pad, no component		Arduino Port A2	1
C11	22p	DigiKey	BC1034CT-ND	Optional	if using crystal instead of resonator	1
C12	22p	DigiKey	BC1034CT-ND	Optional	if using crystal instead of resonator	1
CD1	CDOT1	DigiKey	3M9515-ND	Optional		1
CD2	CDOT2	DigiKey	3M9515-ND	Optional		1
CD3	CDOT3	DigiKey	3M9515-ND	Optional		1
D13	CONN_1		Break Out Pad, no component		Arduino Port D13	1
P2	SDA	DigiKey	SAM1031-50-ND	Optional		<u>.</u> 1
		DigiKey	S9341-ND	Optional		1
P3	SCL	DigiKey	SAM1031-50-ND	Optional	·	1
		DigiKey	S9341-ND	Optional		<u>'</u> 1
 P4	CONN_1	Digikey 	טאו ודעכע	Optional	Fixing Screw for Voltage Regulator	<u>'</u> 1
P8	<del>_</del>				Fixing Screw for Board	
	CONN_1					1
P9	CONN_1				Fixing Screw for Board	1

## BoM, for kit building assembly

P10         CONN_1         —         Fixing Screw for Board           P21         CONN_1         —         Prototyping area           P25         DIL6         —         Prototyping area           P25         DIL6         —         Prototyping area           P26         DIL6         —         Prototyping area           P27         DIL6         —         Prototyping area           P28         DIL6         —         Prototyping area           P29         DIL6         —         Prototyping area           P30         DIL6         —         Prototyping area           P31         DIL6         —         Prototyping area           P32         DIL6         —         Prototyping area           P33         DIL6         —         Prototyping area           P34         DIL6         —         Prototyping area           P34         DIL6         —         Prototyping area           P35         DIL6         —         Prototyping area           P36         DIL6         —         Prototyping area           P37         DIL6         —         Prototyping area           P37         DIL6         —	гef	value	Vendor	Vendor P/N	NOTE1	NOTE 2	QTY
P24         DIL6         —         Prototyping area           P25         DIL6         —         Prototyping area           P26         DIL6         —         Prototyping area           P27         DIL6         —         Prototyping area           P28         DIL6         —         Prototyping area           P29         DIL6         —         Prototyping area           P30         DIL6         —         Prototyping area           P31         DIL6         —         Prototyping area           P32         DIL6         —         Prototyping area           P33         DIL6         —         Prototyping area           P34         DIL6         —         Prototyping area           P35         DIL6         —         Prototyping area           P35         DIL6         —         Prototyping area           P36         DIL6         —         Prototyping area           P37         DIL6         —         Protot	P10	CONN_1				Fixing Screw for Board	1
P25 DIL6 Prototyping area P26 DIL6 Prototyping area P27 DIL6 Prototyping area P28 DIL6 Prototyping area P29 DIL6 Prototyping area P30 DIL6 Prototyping area P31 DIL6 Prototyping area P32 DIL6 Prototyping area P33 DIL6 Prototyping area P34 DIL6 Prototyping area P35 DIL6 Prototyping area P36 DIL6 Prototyping area P37 DIL6 Prototyping area P38 DIL6 Prototyping area P39 DIL6 Prototyping area P30 DIL6 Prototyping area P31 DIL6 Prototyping area P32 DIL6 Prototyping area P33 DIL6 Prototyping area P34 DIL6 Prototyping area P35 DIL6 Prototyping area P36 DIL6 Prototyping area P37 DIL6 Prototyping area P38 DIL6 Prototyping area P40 DIL6 Prototyping area P41 STACK-L DigiKey SAM1009-50-ND Optional Socket, 4 pin, right angle, for daisy-chaining boards P42 STACK-R DigiKey SAM1043-50-ND Optional Header, 4 pin, right angle, for daisy-chaining boards P49 CONN_1 Fixing Screw for rtcBoB P50 CONN_1 Fixing Screw for rtcBoB	P11	CONN_1				Fixing Screw for Board	1
P26 DIL6 Prototyping area P27 DIL6 Prototyping area P28 DIL6 Prototyping area P29 DIL6 Prototyping area P30 DIL6 Prototyping area P31 DIL6 Prototyping area P32 DIL6 Prototyping area P33 DIL6 Prototyping area P34 DIL6 Prototyping area P35 DIL6 Prototyping area P36 DIL6 Prototyping area P37 DIL6 Prototyping area P38 DIL6 Prototyping area P39 DIL6 Prototyping area P39 DIL6 Prototyping area P30 DIL6 Prototyping area P31 DIL6 Prototyping area P32 DIL6 Prototyping area P33 DIL6 Prototyping area P34 DIL6 Prototyping area P35 DIL6 Prototyping area P36 DIL6 Prototyping area P37 DIL6 Prototyping area P41 STACK-L DigiKey SAM1009-50-ND Optional Socket, 4 pin, right angle, for daisy-chaining boards P42 STACK-R DigiKey SAM1043-50-ND Optional Header, 4 pin, right angle, for daisy-chaining boards P49 CONN_1 Fixing Screw for rtcBoB P50 CONN_1 Fixing Screw for rtcBoB P51 CONN_1 Fixing Screw for rtcBoB	P24	DIL6				Prototyping area	1
P27 DIL6 Prototyping area P28 DIL6 Prototyping area P29 DIL6 Prototyping area P30 DIL6 Prototyping area P31 DIL6 Prototyping area P32 DIL6 Prototyping area P33 DIL6 Prototyping area P34 DIL6 Prototyping area P35 DIL6 Prototyping area P36 DIL6 Prototyping area P37 DIL6 Prototyping area P38 DIL6 Prototyping area P39 DIL6 Prototyping area P30 DIL6 Prototyping area P31 DIL6 Prototyping area P32 DIL6 Prototyping area P33 DIL6 Prototyping area P34 DIL6 Prototyping area P35 DIL6 Prototyping area P36 DIL6 Prototyping area P37 DIL6 Prototyping area P38 DIL6 Prototyping area P40 DIL6 Prototyping area P41 STACK-L DigiKey SAM1009-50-ND Optional Socket, 4 pin, right angle, for daisy-chaining boards P42 STACK-R DigiKey SAM1043-50-ND Optional Header, 4 pin, right angle, for daisy-chaining boards P49 CONN_1 Fixing Screw for rtcBoB P50 CONN_1 Fixing Screw for rtcBoB P51 CONN_1 Fixing Screw for rtcBoB	P25	DIL6				Prototyping area	1
P28 DIL6 - Prototyping area  P29 DIL6 - Prototyping area  P30 DIL6 - Prototyping area  P31 DIL6 - Prototyping area  P32 DIL6 - Prototyping area  P33 DIL6 - Prototyping area  P34 DIL6 - Prototyping area  P35 DIL6 - Prototyping area  P36 DIL6 - Prototyping area  P37 DIL6 - Prototyping area  P38 DIL6 - Prototyping area  P39 DIL6 - Prototyping area  P30 DIL6 - Prototyping area  P31 DIL6 - Prototyping area  P32 DIL6 - Prototyping area  P33 DIL6 - Prototyping area  P34 DIL6 - Prototyping area  P35 DIL6 - Prototyping area  P36 DIL6 - Prototyping area  P37 DIL6 - Prototyping area  P41 STACK-L DigiKey SAM1009-50-ND Optional Socket, 4 pin, right angle, for daisy-chaining boards  P42 STACK-R DigiKey SAM1043-50-ND Optional Header, 4 pin, right angle, for daisy-chaining boards  P49 CONN_1 - Fixing Screw for rtcBoB  P50 CONN_1 - Fixing Screw for rtcBoB  P51 CONN_1 - Fixing Screw for rtcBoB	P26	DIL6				Prototyping area	1
P29 DIL6 Prototyping area P30 DIL6 Prototyping area P31 DIL6 Prototyping area P32 DIL6 Prototyping area P33 DIL6 Prototyping area P34 DIL6 Prototyping area P35 DIL6 Prototyping area P36 DIL6 Prototyping area P37 DIL6 Prototyping area P38 DIL6 Prototyping area P39 DIL6 Prototyping area P30 DIL6 Prototyping area P31 DIL6 Prototyping area P32 DIL6 Prototyping area P33 DIL6 Prototyping area P34 STACK-L DigiKey SAM1009-50-ND Optional Socket, 4 pin, right angle, for daisy-chaining boards P42 STACK-R DigiKey SAM1043-50-ND Optional Header, 4 pin, right angle, for daisy-chaining boards P49 CONN_1 Fixing Screw for rtcBoB P50 CONN_1 Fixing Screw for rtcBoB P51 CONN_1 Fixing Screw for rtcBoB	P27	DIL6				Prototyping area	1
P30 DIL6 Prototyping area P31 DIL6 Prototyping area P32 DIL6 Prototyping area P33 DIL6 Prototyping area P34 DIL6 Prototyping area P35 DIL6 Prototyping area P36 DIL6 Prototyping area P37 DIL6 Prototyping area P38 DIL6 Prototyping area P39 DIL6 Prototyping area P30 DIL6 Prototyping area P31 DIL6 Prototyping area P32 DIL6 Prototyping area P33 DIL6 Prototyping area P34 STACK-L DigiKey SAM1009-50-ND Optional Socket, 4 pin, right angle, for daisy-chaining boards P42 STACK-R DigiKey SAM1043-50-ND Optional Header, 4 pin, right angle, for daisy-chaining boards P49 CONN_1 Fixing Screw for rtcBoB P50 CONN_1 Fixing Screw for rtcBoB P51 CONN_1 Fixing Screw for rtcBoB	P28	DIL6				Prototyping area	1
P31 DIL6 Prototyping area P32 DIL6 Prototyping area P33 DIL6 Prototyping area P34 DIL6 Prototyping area P35 DIL6 Prototyping area P36 DIL6 Prototyping area P37 DIL6 Prototyping area P38 DIL6 Prototyping area P39 DIL6 Prototyping area P30 DIL6 Prototyping area P31 DIL6 Prototyping area P32 DIL6 Prototyping area P33 DIL6 Prototyping area P44 STACK-L DigiKey SAM1009-50-ND Optional Socket, 4 pin, right angle, for daisy-chaining boards P42 STACK-R DigiKey SAM1043-50-ND Optional Header, 4 pin, right angle, for daisy-chaining boards P49 CONN_1 Fixing Screw for rtcBoB P50 CONN_1 Fixing Screw for rtcBoB P51 CONN_1 Fixing Screw for rtcBoB P52 CONN_1 Fixing Screw for rtcBoB	P29	DIL6				Prototyping area	1
P32 DIL6 Prototyping area P33 DIL6 Prototyping area P34 DIL6 Prototyping area P35 DIL6 Prototyping area P36 DIL6 Prototyping area P37 DIL6 Prototyping area P38 DIL6 Prototyping area P39 DIL6 Prototyping area P39 DIL6 Prototyping area P30 DIL6 Prototyping area P31 DIL6 Prototyping area P32 DIL6 Prototyping area P33 DIL6 Prototyping area P44 STACK-L DigiKey SAM1009-50-ND Optional Socket, 4 pin, right angle, for daisy-chaining boards P42 STACK-R DigiKey SAM1043-50-ND Optional Header, 4 pin, right angle, for daisy-chaining boards P49 CONN_1 Fixing Screw for rtcBoB P50 CONN_1 Fixing Screw for rtcBoB P51 CONN_1 Fixing Screw for rtcBoB P52 CONN_1 Fixing Screw for rtcBoB	P30	DIL6				Prototyping area	1
P33 DIL6 Prototyping area P34 DIL6 Prototyping area P35 DIL6 Prototyping area P36 DIL6 Prototyping area P37 DIL6 Prototyping area P38 DIL6 Prototyping area P39 DIL6 Prototyping area P41 STACK-L DigiKey SAM1009-50-ND Optional Socket, 4 pin, right angle, for daisy-chaining boards P42 STACK-R DigiKey SAM1043-50-ND Optional Header, 4 pin, right angle, for daisy-chaining boards P49 CONN_1 Fixing Screw for rtcBoB P50 CONN_1 Fixing Screw for rtcBoB P51 CONN_1 Fixing Screw for rtcBoB P52 CONN_1 Fixing Screw for rtcBoB	P31	DIL6				Prototyping area	1
P34 DIL6 Prototyping area  P35 DIL6 Prototyping area  P36 DIL6 Prototyping area  P37 DIL6 Prototyping area  P41 STACK-L DigiKey SAM1009-50-ND Optional Socket, 4 pin, right angle, for daisy-chaining boards  P42 STACK-R DigiKey SAM1043-50-ND Optional Header, 4 pin, right angle, for daisy-chaining boards  P49 CONN_1 Fixing Screw for rtcBoB  P50 CONN_1 Fixing Screw for rtcBoB  P51 CONN_1 Fixing Screw for rtcBoB  P52 CONN_1 Fixing Screw for rtcBoB	P32	DIL6				Prototyping area	1
P35 DIL6 Prototyping area  P36 DIL6 Prototyping area  P37 DIL6 Prototyping area  P41 STACK-L DigiKey SAM1009-50-ND Optional Socket, 4 pin, right angle, for daisy-chaining boards  P42 STACK-R DigiKey SAM1043-50-ND Optional Header, 4 pin, right angle, for daisy-chaining boards  P49 CONN_1 Fixing Screw for rtcBoB  P50 CONN_1 Fixing Screw for rtcBoB  P51 CONN_1 Fixing Screw for rtcBoB  P52 CONN_1 Fixing Screw for rtcBoB	P33	DIL6				Prototyping area	1
P36 DIL6 Prototyping area  P37 DIL6 Prototyping area  P41 STACK-L DigiKey SAM1009-50-ND Optional Socket, 4 pin, right angle, for daisy-chaining boards  P42 STACK-R DigiKey SAM1043-50-ND Optional Header, 4 pin, right angle, for daisy-chaining boards  P49 CONN_1 Fixing Screw for rtcBoB  P50 CONN_1 Fixing Screw for rtcBoB  P51 CONN_1 Fixing Screw for rtcBoB  P52 CONN_1 Fixing Screw for rtcBoB	P34	DIL6				Prototyping area	1
P37 DIL6 Prototyping area  P41 STACK-L DigiKey SAM1009-50-ND Optional Socket, 4 pin, right angle, for daisy-chaining boards  P42 STACK-R DigiKey SAM1043-50-ND Optional Header, 4 pin, right angle, for daisy-chaining boards  P49 CONN_1 Fixing Screw for rtcBoB  P50 CONN_1 Fixing Screw for rtcBoB  P51 CONN_1 Fixing Screw for rtcBoB  P52 CONN_1 Fixing Screw for rtcBoB	P35	DIL6				Prototyping area	1
P41 STACK-L DigiKey SAM1009-50-ND Optional Socket, 4 pin, right angle, for daisy-chaining boards P42 STACK-R DigiKey SAM1043-50-ND Optional Header, 4 pin, right angle, for daisy-chaining boards P49 CONN_1 Fixing Screw for rtcBoB P50 CONN_1 Fixing Screw for rtcBoB P51 CONN_1 Fixing Screw for rtcBoB P52 CONN_1 Fixing Screw for rtcBoB	P36	DIL6				Prototyping area	1
P42     STACK-R     DigiKey     SAM1043-50-ND     Optional     Header, 4 pin, right angle, for daisy-chaining boards       P49     CONN_1      Fixing Screw for rtcBoB       P50     CONN_1      Fixing Screw for rtcBoB       P51     CONN_1      Fixing Screw for rtcBoB       P52     CONN_1      Fixing Screw for rtcBoB	P37	DIL6				Prototyping area	1
P49         CONN_1          Fixing Screw for rtcBoB           P50         CONN_1          Fixing Screw for rtcBoB           P51         CONN_1          Fixing Screw for rtcBoB           P52         CONN_1          Fixing Screw for rtcBoB	P41	STACK-L	DigiKey	SAM1009-50-ND	Optional	Socket, 4 pin, right angle, for daisy-chaining boards	1
P50         CONN_1          Fixing Screw for rtcBoB           P51         CONN_1          Fixing Screw for rtcBoB           P52         CONN_1          Fixing Screw for rtcBoB	P42	STACK-R	DigiKey	SAM1043-50-ND	Optional	Header, 4 pin, right angle, for daisy-chaining boards	1
P51 CONN_1          Fixing Screw for rtcBoB           P52 CONN_1          Fixing Screw for rtcBoB	P49	CONN_1				Fixing Screw for rtcBoB	1
P52 CONN_1 Fixing Screw for rtcBoB	P50	CONN_1	<u>-</u>			Fixing Screw for rtcBoB	1
	P51	CONN_1	-			Fixing Screw for rtcBoB	1
U10 DS3231N DigiKey DS3231S#-ND Optional IC, RTC	P52	CONN_1	-			Fixing Screw for rtcBoB	1
	U10	DS3231N	DigiKey	DS3231S#-ND	Optional	IC, RTC	1

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GRAND TOTAL