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Revision

Date: 9/3/2016

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Drawn By:

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Mini Box

Comment	Description	Designator	Footprint	LibRef	Quantity
CR1220	Multicell Battery	BAT	CR1220	Battery	1
Cap	Capacitor	C14, C15, C16, C17, C23, C24, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C40, C41	C-0805	Cap	20
Cap Pol2	Polarized Capacitor (Axial)	C21, C22	CAP-3528	Cap Pol2	2
Cap Pol2	Polarized Capacitor (Axial)	C25	CAPAE-D	Cap Pol2	1
ST_LED	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D1	LED-0805	LED2	1
PW_LED	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D2	LED-0805	LED2	1
Fuse 1	Fuse	F1	0805-1	Fuse 1	1
USB_M	Micro/Mini USB	J1	USB_MICRO_5S_B	USB_M	1
Buzzer	Magnetic Transducer Buzzer	LS	BEEP-S	Buzzer	1
LUX		LUX		LUX	1
ISP	Header, 3-Pin, Dual row	P2	HDR2X3	Header 3X2	1
COL_OUT	Header, 7-Pin	P3	HDR1X7	Header 7	1
ROW_OUT	Header, 4-Pin	P4	HDR1X4	Header 4	1
PW_OUT	Header, 2-Pin	P5	HDR1X2	Header 2	1
Res2	Resistor	R1, R7, R8, R9, R10, R14, R15, R16, R17, R18, R19, R20, R21	0805-1	Res2	13
SW-PB	Switch	SW_ANGLE	AX_2.54	SW-PB	1
SW-PB	Switch	SW_KEY1, SW_KEY2, SW_KEY3, SW_RST	SW_B	SW-PB	4
ATmega128L-8AC	8-Bit AVR Microcontroller with 128K Bytes of In-System Programmable Flash Memory	U1	64A_N	ATmega128L-8AC	1
TXB0104		U2	TSSOP-14	TXB0104	1
CH340G		U3	SOIC-16	CH340G	1
DS3231		U4	SOIC-16W	DS3231	1
DHT22		U5	DHTxx	DHT22	1
ESP-12		U6	ESP_12	ESP-12	1
AT24Cxx		U7	SOIC-8	AT24Cxx	1
AMS1117		U8	SOT223	AMS1117	1
16MHz	Crystal Oscillator	Y1	X-SM49	XTAL	1
12MHz	Crystal Oscillator	Y2	X-SM49	XTAL	1