Part Value	Device	Package	Description	CATEGORY	CREATED BY	LARFI	MANUFACTURER	MPN	OPERATING TEMP	PACKAGE	PART STATUS	POPUI ARITY	PROD ID	ROHS COMPLIANT	SERIES	SPICEPREFIX	SUB-CATEGORY	THERMALLOSS	TYPE	VALUE	VOLTAGE RATING
ACT RED	LEDCHIP-LED0805	CHIP-LED0805	LED	OMILOUM	ONE-TIED_D1	LILLE	III I I I I I I I I I I I I I I I I I		O' ETOTTINO_TERM	TADIOTOL		r or oblum	T TOD_ID	NOTIO_COMM EDITO	OLITEO	OF IOLI INC.	COD GALLEGOIA	TTLTUM LLCOOL		,,,,,,	VOLINGE_TOTTING
BAT CR1220	CR1220THM	CR1220-THM	CR1216/CR1220/CR1225 12mm 3V lithium coin cell																		
C1 22pF	C TANTALUM-2412(6032-METRIC)	CAPM6032X280		Capacitor											_						
C2 22pF	C TANTALUM-2412(6032-METRIC)	CAPM6032X280		Capacitor																	
C3 0.1µF	CAP CERAMICO805		Ceramic Capacitors	Сарасноі																	
C4 10uF	10UF-1206-6.3V-20%		10.0µF ceramic capacitors										CAP-10057							10uF	
C5 1.0uF	1.0UF-0603-16V-10%		1μF ceramic capacitors										CAP-10057							1.0uF	
C6 0.1uF													CAP-00666 CAP-08604							0.1uF	
C7 10uF/10V	0.1UF-0603-25V-5% CPOL-USA/3216-18R	A/3216-18R	8 0.1µF ceramic capacitors										CAP-08604							J.1uF	
			POLARIZED CAPACITOR, American symbol																		
C8 0.1uF	C-USC0805K	C0805K	CAPACITOR, American symbol																		
C9 0.1uF	C-US025-025X050	C025-025X050	CAPACITOR, American symbol																		
CE	PINHD-1X1-BIGPOGO	1X1-BIGPOGO	Pin header 1x1 for 0.1 spacing"																		
IC1 UA741D	UA741D	S008	OP AMP									0									
IC2 UA741D	UA741D	S008	OP AMP									0									
IC3 4050D	4050D	SO16	Hex non-inverting BUFFER																		
IC4 LP298XS	LP298XS	SOT23-5L																			
IC5 DS1307	DS1307	DIL08	DS1307																		
J2	I2C_STANDARD	1X04	SparkFun I2C Standard Pinout Header																		
JP1 JUMPER NO	JUMPER-SMT_2_NO_NO-SILK	SMT-JUMPER_2_NO_NO-SILK	Normally open jumper																		
JP3 BAT	M01PTH	1X01	Header 1																		
JP4 JUMPER-SMT_2_NC_TRACE_NO		SMT-JUMPER_2_NC_TRACE_NO-SILK	Normally closed trace jumper																		
JP10 GND-BAT	M01PTH	1X01	Header 1																		
LED1 red	LEDCHIP-LED0805	CHIP-LED0805	LED																		,
LED2 green	LEDCHIP-LED0805	CHIP-LED0805	LED																		
Q1	32.768 CRYTALTC38H	TC38H	CRYSTAL																		,
R1	R-US_R0805	R0805	RESISTOR, American symbol													R					
R2	50 R-US_R0805	R0805	RESISTOR, American symbol													R					· ·
R3 10k	R-US_R0805	R0805	RESISTOR, American symbol													R					
R4 10k	R-US_R0805	R0805	RESISTOR, American symbol													R					1
R5 10K	RESISTOR0805	805	Resistors																		
R5 10K R6 10K	RESISTOR0805		Resistors																		
R7 10K	RESISTOR0805	805	Resistors																		
R8 10K	RESISTOR0805		Resistors																		
R9 0.1/1% (PT2512FK-070R1L)	RESISTOR2512		Resistors																		
R10 100k	R-US R0805	R0805	RESISTOR, American symbol													R					· ·
R11 100k	R-US R0805	R0805	RESISTOR, American symbol													R					1
R12 100k	R-US R0805	R0805	RESISTOR, American symbol													R					·
R13 100k	R-US R0805	R0805	RESISTOR, American symbol													R					
R14 2.4k	2.49KOHM-0603-1/10W-1%		3 2.49kΩ resistor										RES-09568							2.49k	
R15 4.7k	4.7KOHM-0603-1/10W-1%		4.7kΩ resistor										RES-07857							4.7k	-
R16	100 RESISTOR0603-RES	0603-RES	Resistor										1120 07007							4.716	
R17 1k	1KOHM-0603-1/10W-1%		3 1kΩ resistor										RES-07856							1k	
R18	330 330OHM-0603-1/10W-1%		330Ω resistor										RES-00818							330	
R19	330 330OHM-0603-1/10W-1%		330Ω resistor										RES-00818							330	
R20 1K	R-US R0805	R0805	RESISTOR, American symbol										NES-00018							330	
R21 100k	R-US_R0805	R0805	RESISTOR, American symbol RESISTOR, American symbol													P					
R21 100k R22 2.2K																					
R22 2.2K R23 2.2k	R-US_0207/10 R-US_0207/10		RESISTOR, American symbol RESISTOR, American symbol									-									
R23 2.2K RE																					
	PINHD-1X1-BIGPOGO	1X1-BIGPOGO	Pin header 1x1 for 0.1 spacing"																		
	SWITCH-OMRON_B3U-1000P	SWITCH-OMRON_B3U-1000P	SMD Tactile Switch - Ultra Small																		
SJ1	SOLDERJUMPERREFLOW_NOPASTE	SOLDERJUMPER_REFLOW_NOPASTE																			
SJ2	SOLDERJUMPERREFLOW_NOPASTE	SOLDERJUMPER_REFLOW_NOPASTE																			
SW1 PTS645SM43SMTR92LFS	PTS645SM43SMTR92LFS	PTS645-SMT-6MM	SWITCH TACTILE SPST-NO 0.05A 12V		_	\vdash		_													
U\$1 DIO5158	DIO5158	SOIC-8																			
U\$7 DW01-P	DW01-P	SOT23-6L	One Cell Lithium-ion/Polymer Battery Protection IC			\Box															
U\$8 FS8205A	FS8205A	TSSOP8																			
U\$9 USB-MICROB-POWERONLY	USB-MICROB-POWERONLY	USB-MICROB-POWERONLY				\sqcup															
U1 ATMEGA328P_TQFP	ATMEGA328P_TQFP	TQFP32-08	Popular 328P in QFP										IC-09069							ATMEGA328P_TQFP	
U2 INA219BIDCNT	INA219	SOT23-8	INA219 - I2C Current/Power Monitor																		
WE	PINHD-1X1-BIGPOGO	1X1-BIGPOGO	Pin header 1x1 for 0.1 spacing"																		
X1 16MHz	49S/18PF	XTAL_HC49	Crystal		PCBLayout.com		Xinhunjing	49S/18PF		SMD											
X2 MICROSD	MICROSD	MICROSD	Micro-SD / Transflash card holder with SPI pinout																		
LCD1 LCD-16X2NOSILK	LCD-16X2NOSILK	LCD-16X2_NOSILK	Standard text-only 16x2 parallel input LCD	LCD-00255																	
U\$1 LCD-I2C-CONVERTER	LCD-I2C-CONVERTER	LCD-I2C-CONVERTER	I2C Bus to 4-Bit Parallel LCD Interface with LED backlight driver																		