



Title		
Size	Number	Revision
A3		
Date:	2016/8/15	Sheet of
File:	C:\Users\...\WAFC.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
CR1220		BAT	BATM	BAT	1
Cap	Capacitor	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C12, C13, C14, C15, C16, C19, C20, C26, C27, C28	0603	Cap	20
Cap Pol1	Polarized Capacitor (Radial)	C11, C17	C1210	Cap Pol1	2
LED2	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D1	0603	LED2	1
SS14	1 Amp General Purpose Rectifier	D2	SBD_SS14	Diode 1N4007	1
1N4148		D3, D4	DIODE_SOP	D	2
SS14	1 Amp General Purpose Rectifier	D5, D6	IN5819	Diode 1N4007	2
Header 4	Header, 4-Pin	I2C	HDR1X4	Header 4	1
BUTTON		K1	BTN8.5*8.5	BUTTON	1
RST		KEY0	KEY_M	KEY_M	1
ES/RST		KEY1	KEY_M	KEY_M	1
WPS/RST		KEY2	KEY_M	KEY_M	1
68uH		L1	L-68UH	L	1
LM2576S-ADJ		N1	TO-265	LM2576-ADJ	1
Header 7	Header, 7-Pin	OLED	HDR1X7	Header 7	1
POWER		POW	DC10B	POW	1
Header 3	Header, 3-Pin	PWM	HDR1X3	Header 3	1
Res2	Resistor	R1, R3, R4, R5, R6, R7, R11, R13, R15, R16, R17, R18, R19, R27, R_mea	0603	Res2	15
sd card		SD_CARD	SDCARD_L	sd card	1
STM32F103RCT6	STM32 ARM-based 32-bit MCU with 128 Kbytes Flash, 64-pin LQFP, Industrial Temperature	U1	LQFP64	STM32F103RB T6	1
LM1117	800mA LDO	U2	MP04A_N	LM1117	1
W25Q64	W25X16;SST25VF016;MX25L1605	U3	SOIC-8	W25X16	1
ina194		U4	ina194	ina194	1
SP3485		U5	SOP-8	MAX3485	1
HLK-RM04	HLK-RM04	U6	HLK-RM04	HLK-RM04	1
USB3.1 TYPEC		USB3.1C	MicroUSB TypeC 3.1 - duplicate	USB3.1 TYPEc	1
8MHz	Crystal Oscillator	Y1	XTAL_US	XTAL	1
32.768k	Crystal Oscillator	Y2	XTAL32768	XTAL	1