



Title		
Size	Number	Revision
Overall C		
Date:	11-06-1401	Sheet of
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Comment	Description	Designator	Footprint	LibRef	Quantity
Battery	Multicell Battery - 1220	BAT	Battery socket SMD	Battery	1
Tact-5*3	Push Button Switch	BOOT, RESET, USER1, WK-UP	Tact-5*3	Switch PB	4
10uF	CAPACITOR, Capacitor - 603	C1, C4, C11, C18, C41	C0603	CAP_EL, c, CAP1	5
100nF	CAPACITOR, Capacitor - 603, Bipolar Capacitor	C2, C3, C6, C7, C12, C13, C14, C15, C16, C17, C19, C22, C24, C25, C31, C32, C34, C35, C36, C38, C39, C42	C0603	CAP1, CAP, Cap-Bipolar, CAP_EL	22
15pF	Capacitor - 603	C5, C8	C0603	CAP	2
22pF	Capacitor - 603	C9, C10	C0603	CAP	2
2.2UF	Capacitor - 603	C20, C21	C0603	CAP	2
1uF	Bipolar Capacitor, CAPACITOR	C23, C40	C0603	Cap-Bipolar, CAP1	2
100nF	CAPACITOR, Bipolar Capacitor	C26, C27, C28, C29, C37, C43, C45	0603C	CAP1, Cap-Bipolar	7
22pF	CAPACITOR	C30	0603C	CAP1	1
10uF	CAPACITOR	C33	1206	CAP_EL	1
10uF 50V	CAPACITOR	C44	1206	CAP1	1
CON2	CONNECTOR	CAN, RS485	SIP2	CON2	2
BAT54C		D1	SOT-23	BAT54C	1
1N5822	Schottky Diode	D2, D5, D9, D15	SMA	DIODE SCHOTTKY, D Schottky	4
5.6V	ZENER DIODE	D3, D12	MELF-D	ZENER1	2
BAV99		D4	SOT-23	Component_1	1
RED	LED RED 0603	D6	LED0603	LED-2L	1
BLUE	LED BLUE 0603	D7, D8	LED0603	LED-2L	2
9.1V	ZENER DIODE	D10	MELF-D	ZENER1	1
1N5822	Schottky Diode	D11	SMA	D Schottky	1
4148	DIODE	D16	MELF-D	DIODE	1
2AMPER	Fuse	F1	0805R	RES 0805	1
FPC50-TOP		FPC1	FPC50	Header50	1
FPC6-0.5-TOP	CONNECTOR	GT-CT	FPC 6 Pin 0.5mm	CON6	1
Header 25	Header, 25-Pin	J2, J3	HDR1X25	Header 25	2
HDR1*3		JP1, JP2	SIP3	Jumper3	2
FB		L1	L0603	INDUCTOR	1
10uH		L2, L3	L0603	INDUCTOR	2
10uH 100mA		L4	1812	INDUCTOR	1
22uH 500mA		L5	L5X5	INDUCTOR	1
microsd		MMC1	MMC-SMD	microsd	1
MP1		MP1	Mark Point 4	TP	1
MP2		MP2	Mark Point 4	TP	1
MP3		MP3	Mark Point 4	TP	1
MP4		MP4	Mark Point 4	TP	1
S8050	NPN Transistor	Q1, Q2	SOT-23	NPNSMD	2
SI2301	P-Channel MOSFET	Q3	SOT-23	P-Channel MOSFET	1
10K	Resistor-603, RESISTOR, Resistor SMD, [NoValue]	R1, R2, R3, R4, R5, R11, R14, R17, R18, R19, R20, R23, R25, R26, R27, R28, R29, R34, R38	R0603	res1, Resistor, RES, RES-SMD, RES2, RES 0805	19
1.5K	Resistor-603, RESISTOR, [NoValue]	R6, R8, R10, R21, R22, R30, R31	R0603	R, res1, RES, RES 0805	7
22R	[NoValue], Resistor-603	R7, R9, R12, R13	R0603	RES 0805, R	4
120K	RESISTOR	R15	R0603	RES	1
10K	POT	R16	MU-POT	POT1	1
2R,5%	RESISTOR	R24	0805R	RES	1
1K	Resistor	R32, R35	R0603	Resistor	2
120R	Resistor	R33	R0603	Resistor	1
120	Resistor	R36	0805R	Resistor	1
10K/NC	RESISTOR	R37	R0603	RES	1
10K	RESISTOR ARRAY	R-A1	SOP8	RESPACK4_2	1
USB-MICRO	mini USB Connector	SERIAL, USB	USB-MICRO	USB mini	2
CON5	Header, 5-Pin 2.54mm	SWD	SIP5	CON5	1
FPC40-TOP		TFT-40P	FPC40	Header40	1
CON4	CONNECTOR	TouchPad	FFC/SM1.0-2H4	CON4	1
STM32H780VB16		U1	TOFP100	STM32H780	1
AMS1117-3.3	1A LOW DROPOUT VOLTAGE REGULATOR	U2	SOT-223	AMS1117	1
PRT5V0U2X		U3	SOT143B	PRT5V0U2X	1
CP2104		U4	QFN-24	Component_1	1
SP3485	RS485 TRANCCIVER	U5	SO-8	ST485	1
MP3202	High Current Boost White LED Driver	U6	TSOT23-6	MP3202	1
W25Q64JV		U7, U8	SO-8-W	Component_1	2
XPT2046		U9	SSOP-16	Component_1	1
SN65HVD230		U10	SO-8	Component_1	1
TPS61040DBV		U11	SOT23-5	TPS61040	1
100R	Variable Resistor	VR1	MU-POT	Resistor Variable	1
32.768 KHz	XTAL Crystal	Y1	SMD-RTC-FC135	XTAL	1
25MHz		Y2	Xtal 3.2*2.5 mm	XTAL 4pin	1