



-161.227 (mm)

## Bill of Materials <Parameter Title not found>

Source Data From: ARMicon.PrjPcb Project: ARMicon.PrjPcb Variant: None

Creation Date: 7/14/2014
Print Date: 41834 3:00:47 PM 41834.62585

Footprint	Comment	LibRef	Designator	Description	Quantity
BAT	3.3V	Battery	BT1	Multicell Battery	1
0805C	100nF	CAP	611, C2, C3, C4, C6, C7, C8, C11, C12, C16, C18, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C43, C45, C48, C49, C50, C51	Capacitor	38
CAP-G	1000uF/10V	Cap Pol1	C5, C10	Polarized Capacitor (Radial)	2
CAP-G 0805C	330uF/35V 6pF	Cap Pol1 CAP	C9 C13, C14	Polarized Capacitor (Radial) Capacitor	1 2
0805C	20pF	CAP	C15, C17	Capacitor	2
0805C	2.2uF	CAP	C19, C20	Capacitor	2 1
DB9-Female DB9-Female	USART1 USART2	DB9 DB9	CN1 CN2		1
SS14	SS54	Diode	D1, D8, D11	Default Diode	3
SMD_LED_0 805	LED	LED1	D2, D3, D4, D5, D6, D7, D9, D10, D12, D17, D18, D19, D21, D22, D23, D24, D27, D33		18
SS14 4148	SS14 Diode Zenner 4148	Diode 1N4002 D Schottky	D13, D14, D15, D16 D20	1 Amp General Purpose Rectifier Schottky Diode	4 1
SS14	1N4007	Diode	D25, D26	Default Diode	2
FUSE 1812	MF- MSMF110/16	Fuse Thermal	F1	Thermal Fuse	1
coc xanh cong 3p	RELAY1	Header 3	J1	Header, 3-Pin	1
coc xanh cong 3p	RELAY2	Header 3	J2	Header, 3-Pin	,
Relay - medium - 10A	Relay	Relay	K1, K2	SPDT Relay	2
inductor12x1 2	33uH	Inductor Iron	L1, L2	Magnetic-Core Inductor	2
0805R BUZZ 12V	10uH Buzzer	INDUCTOR Buzzer	L3, L4, L5 LS1	Magnetic Transducer Buzzer	3 1
octo SMD	PC817	817A	OPTO1	-	1
coc xanh cong 4P	POW	Header 4	P1	Header, 4-Pin	1
LC16x4_2	LCD16x4	Header 16	P2	Header, 16-Pin	1
coc xanh cong 4P	RS485	Header 4	P3	Header, 4-Pin	1
RJ45 - duplicate	Cong mang	Header 8	P4	Header, 8-Pin	1
JTAG20 coc xanh cong 4P	IO weigand_1	Header 10X2 Header 4	P5 P6	Header, 10-Pin, Dual row Header, 4-Pin	1
coc xanh cong 4P	weigand_2	Header 4	P7	Header, 4-Pin	1
PJ-313	Jack Audio 3.5MM PJ-313 5P	Header 5	P8	Header, 5-Pin	1
coc xanh cong 2p	I_OPTO	Header 2	P9	Header, 2-Pin	1
NPN - C1815 0805R	10K	2N3904 RES2	Q1 R1, R2, R3, R4, R5, R6, R7, R8, R9, R14, R15, R16, R17, R18, R34, R38, R40, R42, R43, R53, R54, R57, R66, R70	NPN General Purpose Amplifier Resistor	24
0805R	4K7	RES2	R10, R11, R12, R13, R23, R30, R31, R36, R37, R39, R46, R61, R62, R67, R68	Resistor	15
BT3362 0805R	100K 0R	RPot RES2	R19 R20, R21, R22, R25, R32, R33, R35, R41	Potentiometer	1 8
0805R	1K	RES2	R24, R26, R29, R79	Resistor	4
0805R 0805R	22R 18R	RES2 RES2	R28 R44, R55, R58, R64, R69		1 5
0805R	150R	RES2	R45		1
0805R	2K2	RES2	R47, R49, R50, R51, R80	Resistor	5
0805R 0805R	330R 100K	RES2 RES2	R60, R63, R65 R71, R72	Resistor	3 2
0805R DIP SWITCH	300K SW DIP-8	RES2 SW DIP-8	R73 S1	DIP Switch, 8 Position, SPST	1 1
8 SW-6-6 SO-16	SW-PB MAX3232	SW-PB ST3232	S2 U1	Switch 3.3V/5V Dual RS232 Transceiver w/ Int.	1
				Cap.	
microSD JTAG20	microSD	microSD	U2		1
LM2576	JTAG LM2596S-3.3V	JTAG20 LM2576D2T- ADJ	U3 U4	Easy Switcher 3.0A Step-Down Voltage Regulator	1
D016_N LM2576	ULN2003AD LM2596S-5V	ULN2003AD LM2576D2T- ADJ	U5 U6	Darlington Transistor Array Easy Switcher 3.0A Step-Down Voltage Regulator	1 1
	STM32F407VET	STM32F407VET	U7	• "	1
ET6 SO-8 CRY50.000	75LB184 50MHZ	MAX485 CRY50MHZ	U8 U9		1
OSC TC4584 STM32F100-	TC4584 DP83848CVVX/	TC4584 DB83848I	U10 U11		1
LQFP48	NOPB				
RJ45_BA SOIC18_N	NET_PORT MT8870	RJ45 MT88L70AS	U12 U13	3 Volt Integrated DTMF Receiver	1
CRYTAL_32.		CRYSTAL	Y1	Crystal	1
768 CRY8.00 OSC	8M	CRYSTAL	Y2	Crystal	1
Crystals TH	3.58MHz	CRYSTAL	Y3	Crystal	1 188
Approved Notes					