







Title			
Size A4	Number		Revision
Date:	2017-02-11	Sheet	of
File:	E:\AUVicOwncloud\...\micro.SchDoc	Drawn By:	

Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uF, 50V, 10%, X7R, 1608	CAP CER 0.1UF 50V 10% X7R 1608 (0603)	C1, C2, C3, C4, C5, C6, C7, C8, C9	CAPC1608N(0603")	0.1uF, 50V, 10%, X7R, 1608	9
4.7μF	Capacitor, Ceramic, 35V, +/- 10%, 0805 SMD, X5R	C10	CAPC2012N(0805")	4.7uF 35V 0805 SMD, Ceramic	1
10μF	Capacitor, Ceramic, 50V, +/- 10%, 1206 SMD, X5R	C11	CAPC3216N(1206")	10uF 50V 1206 SMD, Ceramic	1
1μF	Capacitor, Ceramic, 25V, +/- 10%, 0603 SMD, X5R	C12, C14, C21, C23	CAPC1608N(0603")	1uF 25V 0603 SMD, Ceramic	4
2.2μF	Capacitor, Ceramic, 50V, 10%, 0603 SMD, X5R	C13	CAPC1608N(0603")	2.2uF, 50V, 0603 SMD, X5R, Ceramic	1
0.1μF	Capacitor, Ceramic, 100V, +/- 10%, 0603 SMD, X7R	C15, C16, C17, C18, C19, C20, C22, C26, C27, C28	CAPC1608N(0603")	0.1uF 100V 0603 SMD, Ceramic	10
30pF	Capacitor, Ceramic, 50V, +/-1%, 0603 SMD, C0G	C24, C25	CAPC1608N(0603")	30pF 50V 0603 SMD, Ceramic	2
Header Male 1x6	1x6, Pads Pitch: 0.1" (2.54mm), Through hole	CN1, CN5	Header, Male, 1X6	Header, Male, 1x6	2
Header Male 1x4	1x4, Pads Pitch: 0.1" (2.54mm), Through hole	CN2, CN3, CN4	Header, Male, 1X4	Header, Male, 1x4	3
ZENER MM3Z3V0ST1G	DIODE ZENER 11V 200MW ±5% SOD323	D1, D3, D5	SC-90	ZENER MM3Z3V0ST1G	3
Red	LED, 0805 (2012), Green, Clear	D7	LED0805	LED, 0805 (2012), Green, Clear	1
1X2 Pin Head		JP1	2X1 Males Header	1x2 Male Header	1
BC846B,215	NPN 65V 100mA 250mW	Q1, Q2, Q3	SOT-23	BC846B,215	3
100k	100kR, 1%, 1/10W, 0603 SMD	R1, R7, R12, R13, R21, R25, R30, R32	RESC1608N(0603")	100kR, 1%, 1/10W, 0603 SMD	8
11k	11kR, 1%, 1/10W, 0603 SMD	R2, R8, R14	RESC1608N(0603")	11kR, 1%, 1/10W, 0603 SMD	3
10k	10kR, 1%, 1/10W, 0603 SMD	R3, R6, R9, R15, R18, R19, R20, R22, R27, R31	RESC1608N(0603")	10kR, 1%, 1/10W, 0603 SMD	10
16k	16kR, 1%, 1/10W, 0603 SMD	R4, R5, R10, R11, R16, R17	RESC1608N(0603")	16kR, 1%, 1/10W, 0603 SMD	6
3.32k	3.32k, 1%, 1/10W, 0603, SMD	R23, R24	RESC1608N(0603")	3.32k, 1%, 1/10W, 0603, SMD	2
715R	715R, 1%, 1/10W, 0603, SMD	R26	RESC1608N(0603")	715R, 1%, 1/10W, 0603, SMD	1
0R	0R, 1%, 1/8W, 0805 SMD	R28, R29	RESC2012N(0805")	0R, 1%, 1/8W, 0805 SMD	2
Solder Bridge		SB1	Solder Bridge	Solder Bridge	1
SPST		SW1	4-SPST-NO	4 pin Tacitle Switch	1
Quad Op Amp TSV324	TSV324	U1, U2, U3	SOP-14	Quad Op Amp TSV324	3
CMOS Voltage Converter	CMOS Voltage Converter	U4	8-SOIC	TL7660	1
3.3V Lin Reg 30Vin		U5	TO-252	3.3V TO-252 Linear Regulator	1
Temperature Sensor		U6	SOIC-8	LM75B (Temperature Sensor)	1
STM32F091CCT6	LQFP48 Chip	U7	STM-48LQFP	STM32F091CCT6	1
Full duplex Intersil UART - RS485		U8	SOIC-SN8_M	Full duplex Intersil UART - RS485	1
4MHz	4Mhz 150ESR 20pF -20"	X1	HC49/US	Oscillator 4MHz	1