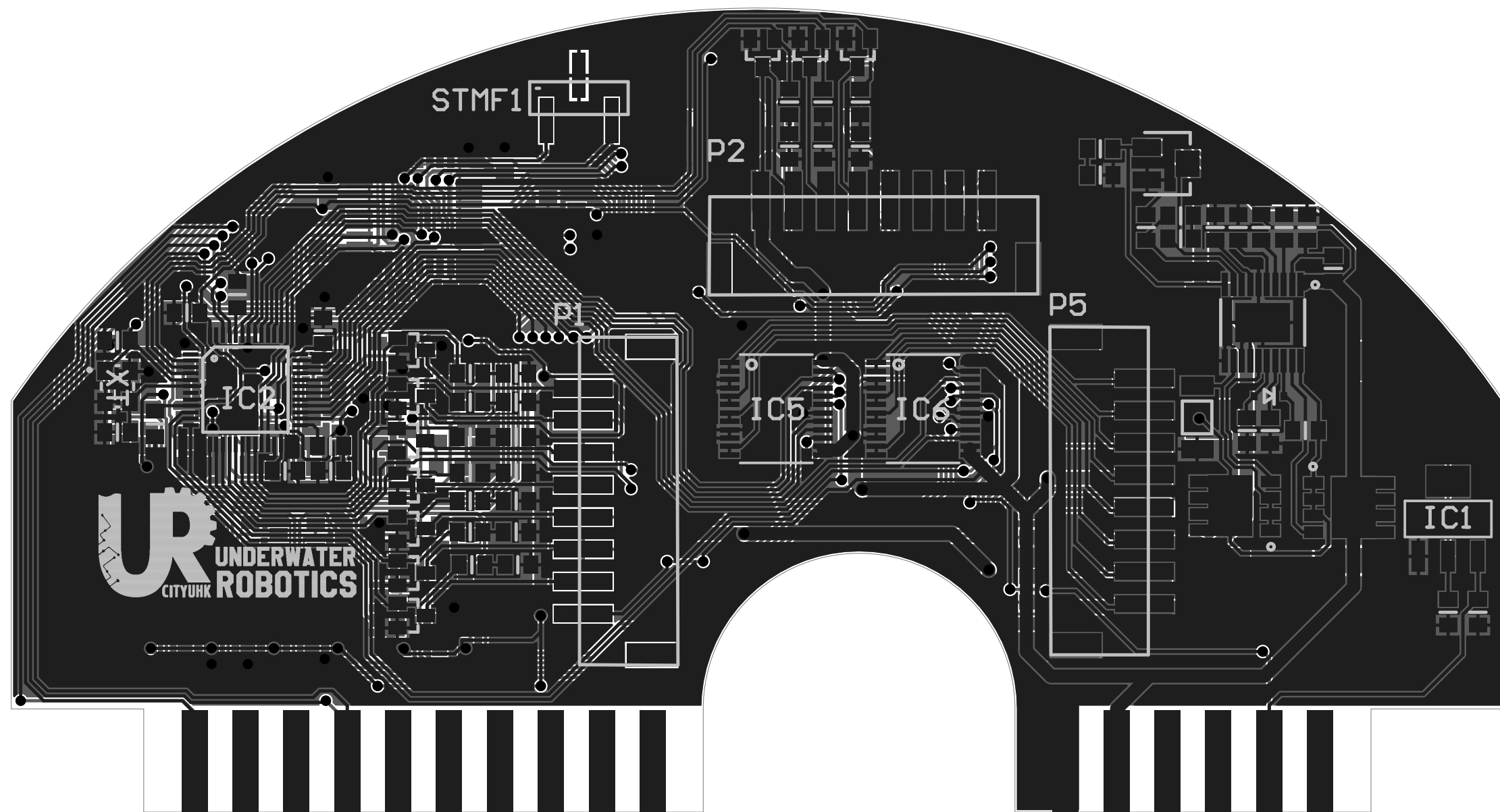


Title			
Size A4	Number		Revision
Date:	2/4/2019	Sheet	of
File:	D:\PCB\...\Sheet1.SchDoc	Drawn By:	



Comment	Description	Designator	Footprint	LibRef	Quantity
LED		B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, GY, GY1, LED	LED-0805	LED	13
0.1u		C1, C2	C0805	Cap	2
22pF		C3, C4	C0805	Capacitor	2
0.1uF		C5, C6, C7, C8, C9, C10, C11, CL1, CL2	C0805	Capacitor, Cap	9
220pF		C12	C0805	Cap	1
10nF		C13	C0805	Cap	1
100pF		C14	C0805	Cap	1
3.3nF		C15	C0805	Cap	1
1uF		C16, C17, C18	C0805	Cap	3
		C19	Cap SMD 10x12.7mm	Cap-pol	1
AMC7135		CC1, CC2, CC3, CC4, CC5, CC6, CC7, CC8, CC9, CC10, CC11, CC12	SOT89-150P410X160-3L	AMC7135	12
2x6pin		Con1	2x6pin	2x6pin	1
2x10pin		Con2	2x10pin	2x10pin	1
5817		D1	Diode-SOD-323	Diode	1
Debug		Debug, Debug2	Debug_SMD	Debug	2
AMS1117		IC1	SOT-223	AMS1117	1
STM32F103C8T6		IC2	LQFP48	STM32F103C8T6	1
STM32F030K6T6	ARM Cortex-M0 32-bit MCU, 32 KB Flash, 4 KB Internal RAM, 26 I/Os, 32-pin LQFP, -40 to 85 degC, Tray	IC3	LQFP-32	STM32F030K6T6	1
LM25116	Buck Controller	IC4	HTSSOP-20	LM25116	1
TB6612		IC5, IC6	SSOP24	TB6612	2
Inductor		L1	Inductor-CDEP147	Inductor	1
10K		LR1, LR2, LR3, LR4, LR5, LR6, LR7, LR8, LR9, LR10, LR11, LR12	R0805	Resistor	12
Si2302		M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, T3	SOT23	Si2302	11
2N2222	NPN	ML1, ML2, ML3, ML4, ML5, ML6, ML7, ML8, ML9, ML10, ML11, ML12	SOT23	2N2222	12
AO3401		ML13, ML14, ML15, ML16, ML17, ML18, ML19, ML20, ML21, ML22, ML23, ML24	SOT23	AO3401	12
8Pin		P1, P2, P5, P6, P7	XH2.54-8pin_SMD	8Pin	5
1K		R1, R2, R3, R4, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33	R0805	Resistor	26
100K		R5	R0805	Resistor	1
21K		R6	R0805	Resistor	1
12.4K		R7	R0805	Resistor	1
1M		R8	R0805	Resistor	1
18K		R9	R0805	Resistor	1
10mR		R10	R2010	Resistor	1
5K		R11	R0805	Resistor	1
TPH2R608NH		T1, T2	TPH2R608NH	MOSFET-N	2
2k		VR	3224W-1-202E	Potentiometer	1
8MHz		XT	3225-P	Passive Crystal	1