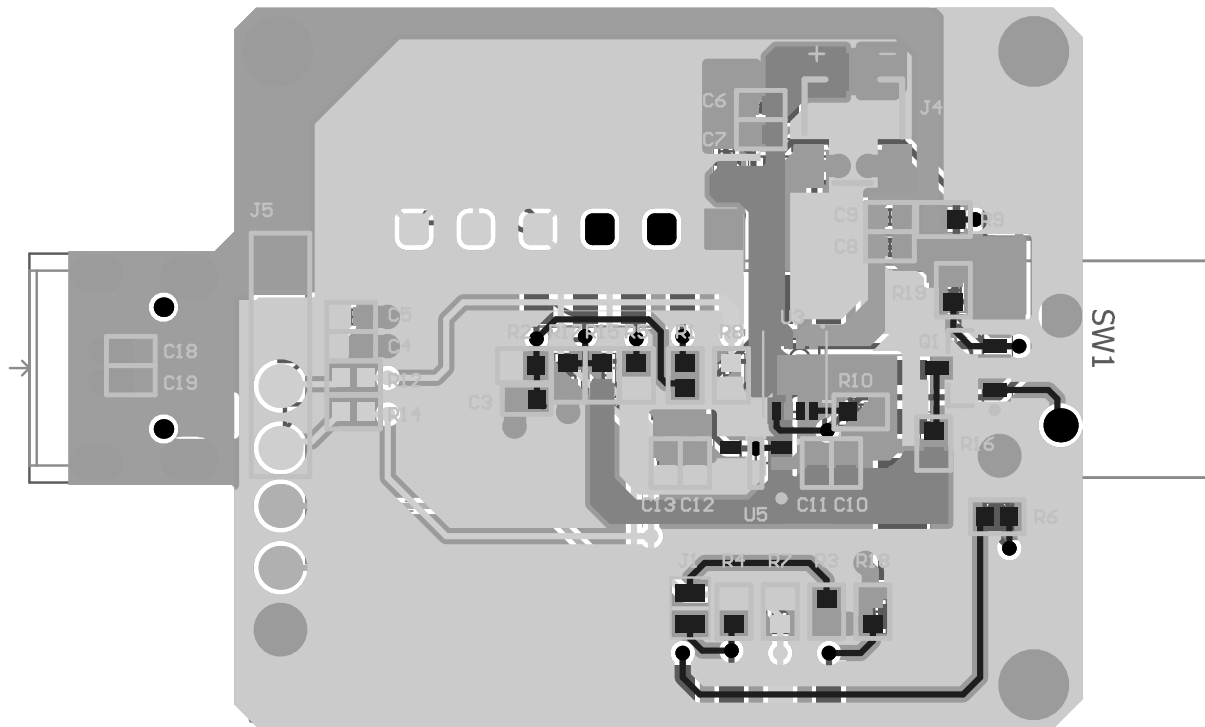


Title			
ESP8266_Oxymeter			
Size	Number	Revision	
A2			
Date	9/18/2021	Sheet of	2
File	D:\Work_Files\BrahMos_ESP8266_Sch	Drawn By:	ANIL A B



Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uF (25V)	0.1uF ±10% 25V Ceramic Capacitor XTR 0402 (1005 Metric)	C1, C2, C3, C4, C5, C14, C15, C18, C19	CAPACITOR_0402	GRM155R71E104KE14 J	9
4.7uF (16V)	4.7uF ±20% 16V Ceramic Capacitor XSR 0402 (1005 Metric)	C6, C7, C8, C9	CAPACITOR_0402	0402YD475MAT2A	4
10uF (10V)	10uF ±20% 10V Ceramic Capacitor XSR 0402 (1005 Metric)	C10, C12	CAPACITOR_0402	CL05A106MP9NUB8	2
2.2uF (25V)	2.2 uF ±10% 25V Ceramic Capacitor XSR 0402 (1005 Metric)	C11, C13	CAPACITOR_0402	GRT155R61E225KE13D	2
LED GREEN	Green 570nm LED Indication - Discrete 2.1V 0603 (1608 Metric)	D1, D2	0603_LED	XZVG53W-8	2
BAV70LT1G	Diode Array 1 Pair Common Cathode Standard 200mA (DC) Surface Mount TO- 236-3, SC-59, SOT-23- 3	D3	SOT-23_3LEAD- BAV70	BAV70LT1G	1
1x2 Test Pad		J1	dual test pad 1.27	1x2Test Pad	1
1x4HDR	Connector Header Through Hole 4 position 0.100" (2.54mm)	J2, J5	P2.541X4HDR	PEC045AAN	2
MicroUSB	USB - micro B USB 2.0 Receptacle Connector 5 Position Surface Mount, Right Angle: Through Hole	J3	Micro USB	629105150521	1
BAT	Connector Header Surface Mount, Right Angle 2 position 0.029" (1.00mm)	J4	SM02B-SRSS- TB(LF)(SN)	SM02B-SRSS- TB(LF)(SN)	1
Mounting Hole	2mm Mounting Hole	M#11, M#12, M#13	2mm mounting Hole	2mm mounting hole	3
FDV304P	P-Channel 460mA (Ta) 350mW (Ta) Surface Mount SOT- 23	Q1	SOT-23_3LEAD	FDV304P	1
0R	Jumper 0.063W, 1/16W Chip Resistor 0402 (1005 Metric) Anti-Sulfur, Automotive AEC- Q200, Moisture Resistant Thick Film	R1, R11, R12, R13, R14	RESISTOR_0402	CR0402AJ/-000GA5	5
12K	±5% 0.1W, 1/10W Chip Resistor 0402 (1005 Metric) Automotive AEC- Q200 Thick Film	R2, R3, R4, R5	RESISTOR_0402	ERJ-2GEJ123X	4
330R	±5% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Automotive AEC- Q200, Moisture Resistant Thick Film	R6, R9	RESISTOR_0402	CRG06030603330R	2
2.2K	2.2 kOhms ±5% 0.1W, 1/10W Chip Resistor 0402 (1005 Metric) Automotive AEC- Q200 Thick Film	R7, R8	RESISTOR_0402	ERJ-2GEJ222X	2
3.3K(1%)	3.3 ±1% 0.1W, 1/10W Chip Resistor 0402 (1005 Metric) Automotive AEC- Q200, Moisture Resistant Thick Film	R10	RESISTOR_0402	RK73H1ETTTP3301F	1
150K	150 kOhms ±5% 0.1W, 1/10W Chip Resistor 0402 (1005 Metric) Automotive AEC- Q200 Thick Film	R15	RESISTOR_0402	ERJ-2GEJ154X	1
100K	100 kOhms ±5% 0.1W, 1/10W Chip Resistor 0402 (1005 Metric) Automotive AEC- Q200 Thick Film	R16, R19, R20	RESISTOR_0402	ERJ-2GEJ104X	3
47K	47 kOhms ±5% 0.1W, 1/10W Chip Resistor 0402 (1005 Metric) Anti-Sulfur, Automotive AEC- Q200 Thick Film	R17	RESISTOR_0402	ERJ-U02J473X	1
10K(0402 in)	10 kOhms ±5% 0.1W, 1/10W Chip Resistor 0402 (1005 Metric) Anti-Sulfur, Automotive AEC- Q200 Thick Film	R18, R21, R22, R23	RESISTOR_0402	ERJ-U02J103X	4
Switch	Tactile Switch SPST- NO Side Actuated Through Hole, Right Angle	SW1	right angle through hole switch	1301_9502	1
ESP8266 12E		U2	ESP8266 12F	ESP8266 12E	1
MCP73831	Charger IC Lithium Ion/Polymer 8-DFN (2x3)	U3	8VDFN	MCP73831T-2DCI/MC	1
MAX30102 MOD		U4	MAX30102 MODULE	MAX30102 MOD	1
3.3V	LDO Voltage Regulators Ultra Low Iq LDO	U5	SOT23-5LEAD	MCP1812BT-033/OT	1