

Project: **Led_orb.PrjPcb**

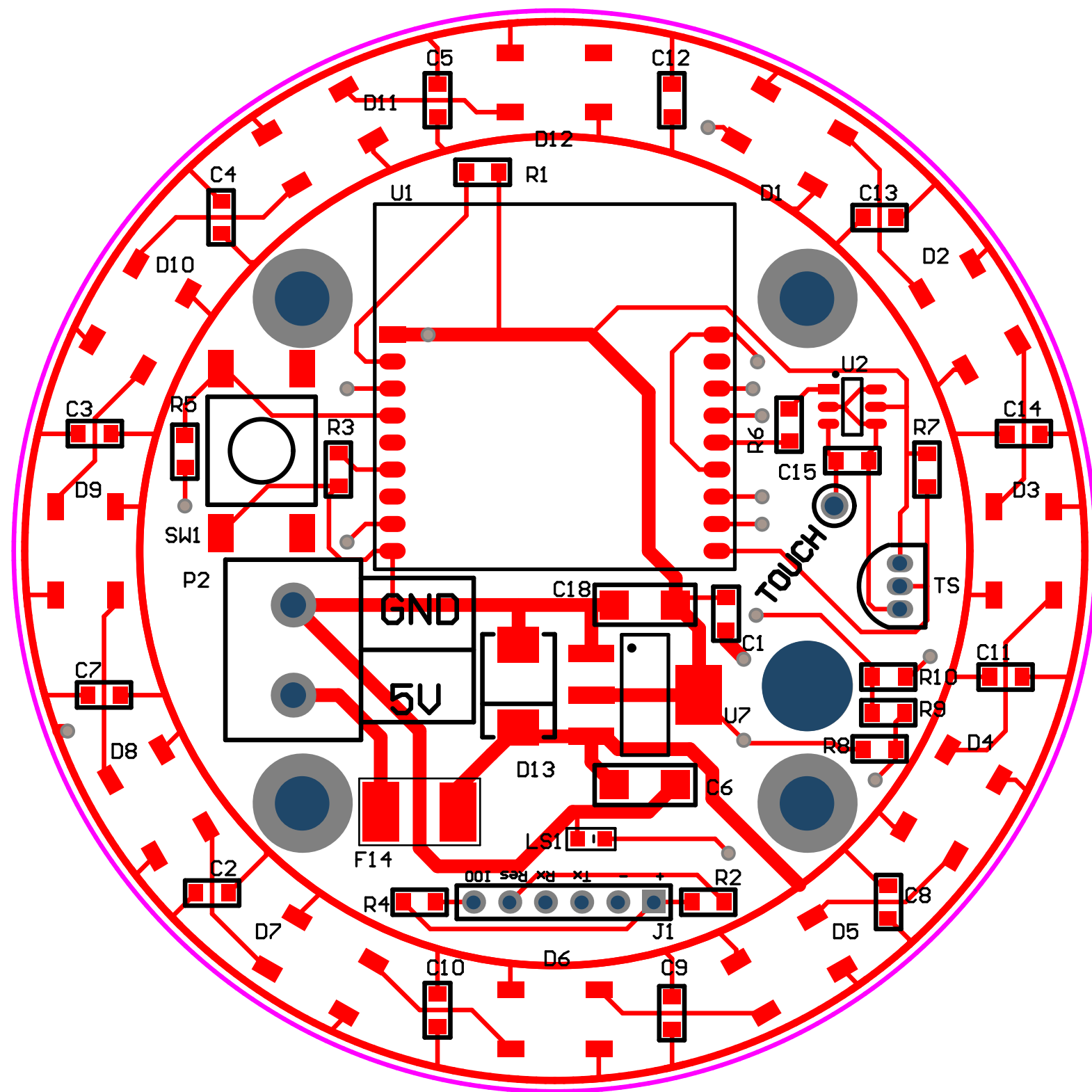
Sheet Name: **Led_orb.SchDoc**

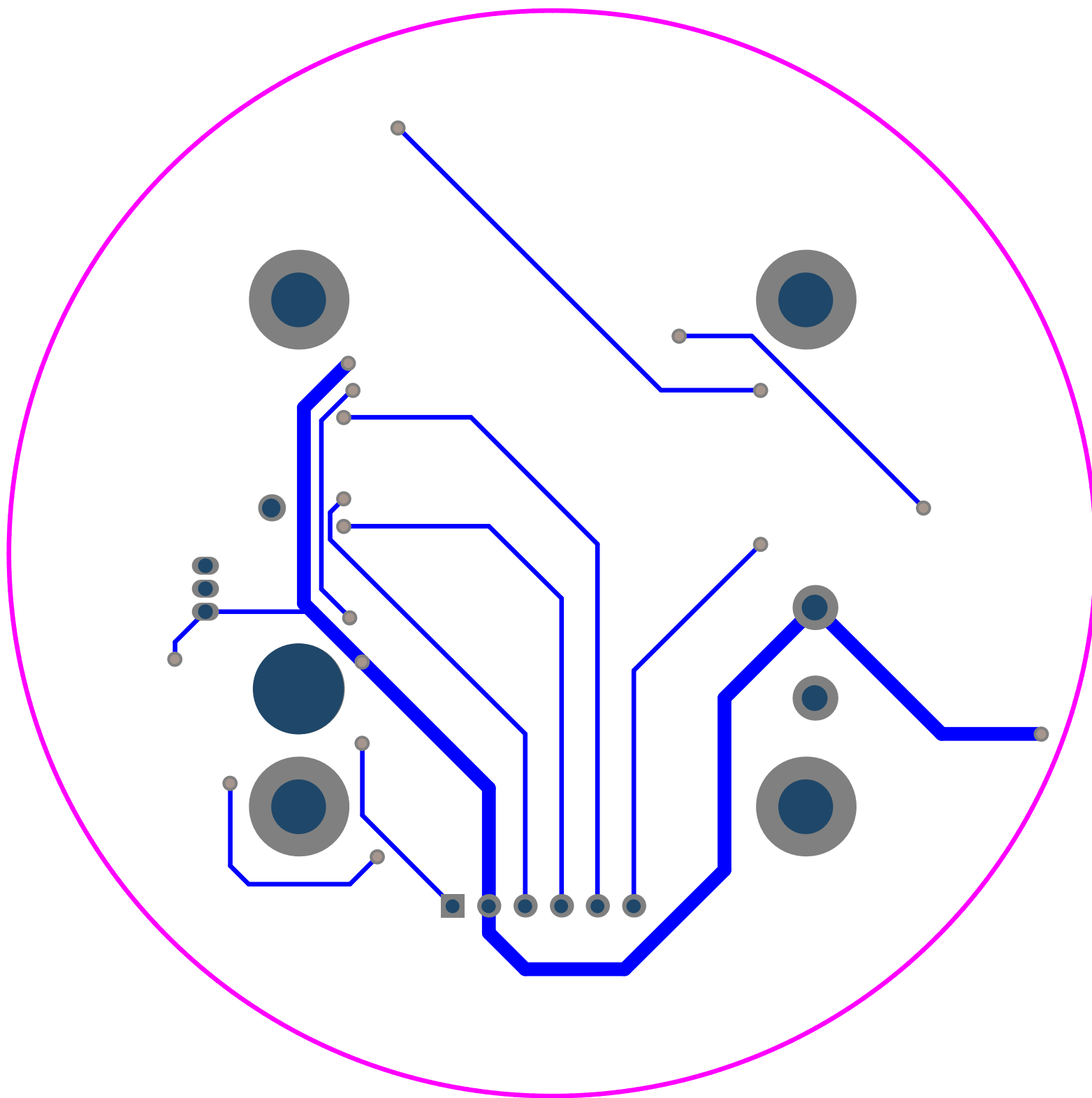
Modified: **2020.02.07.**

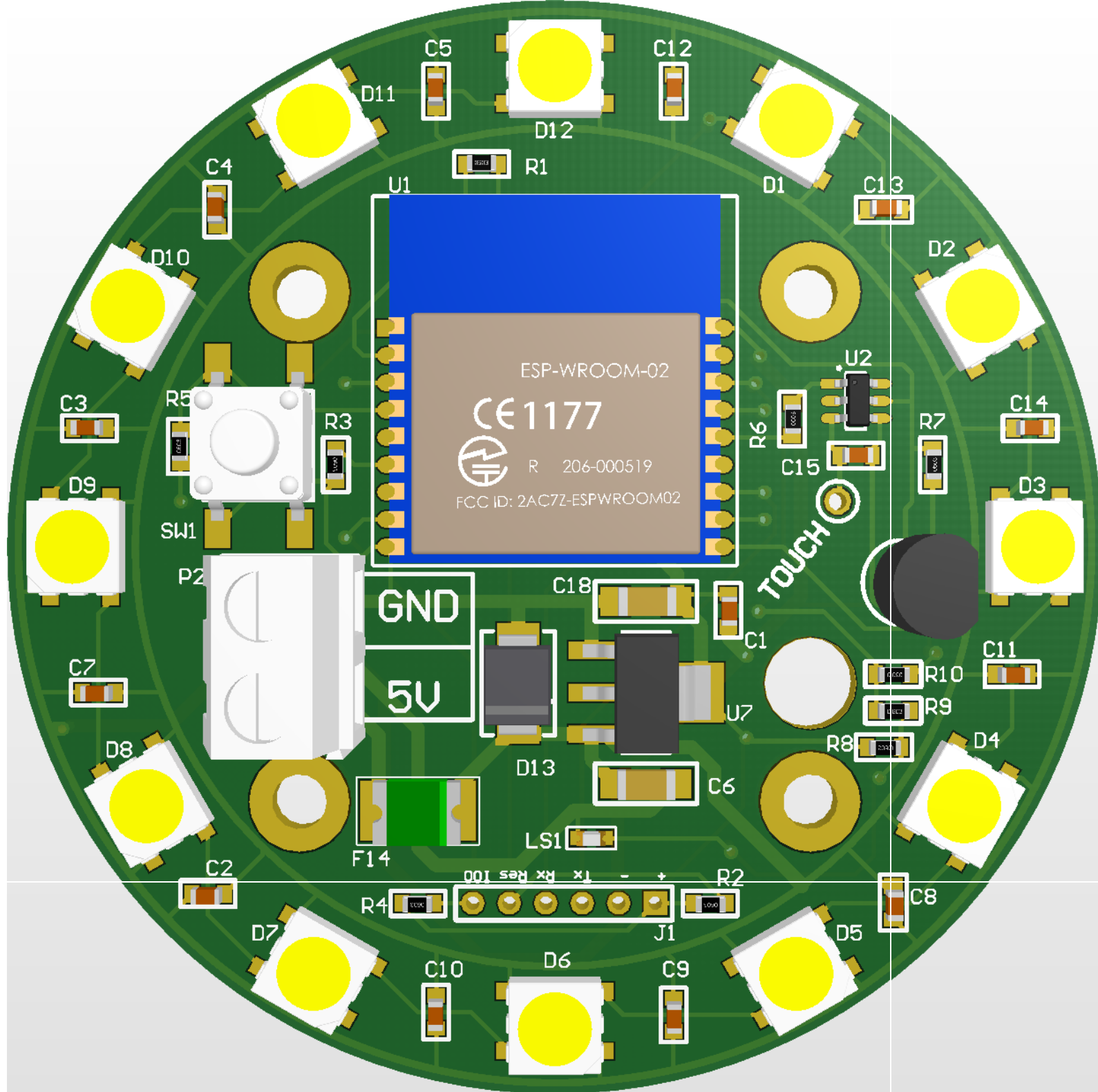
Revision: **2.0**

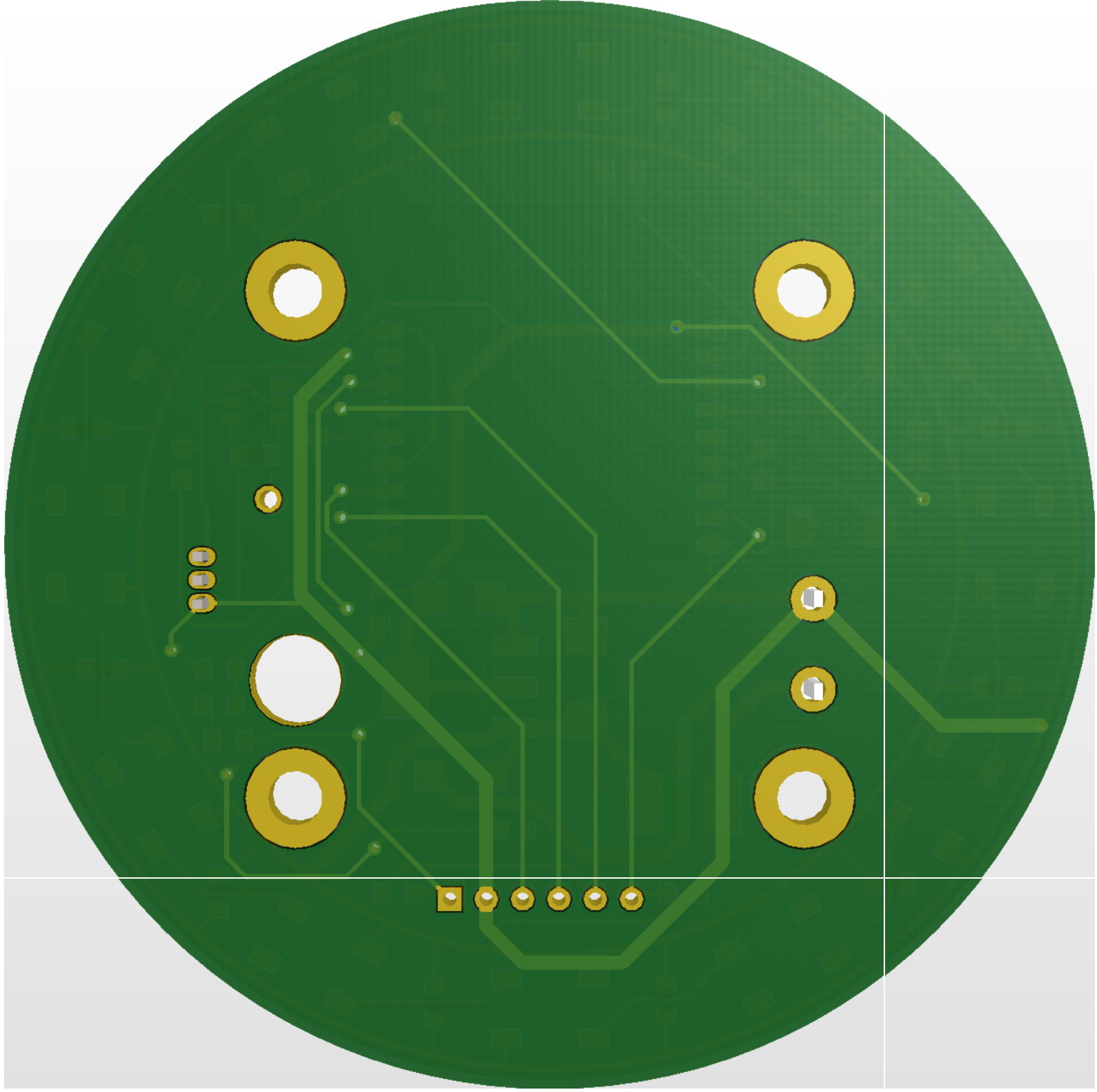
iData Kft.
1103 Budapest
Gergely utca 112/C

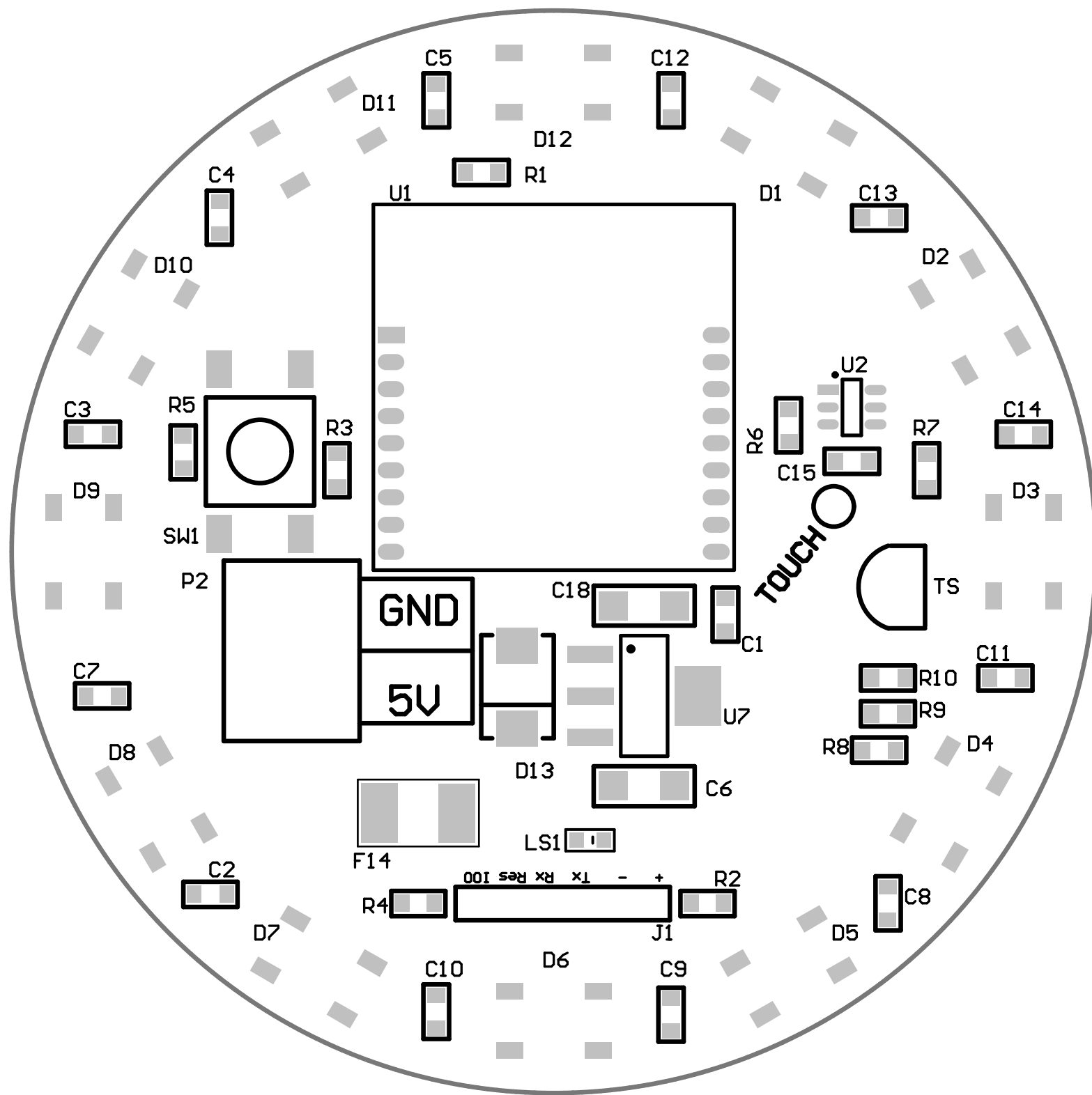
iData
Fleet Management

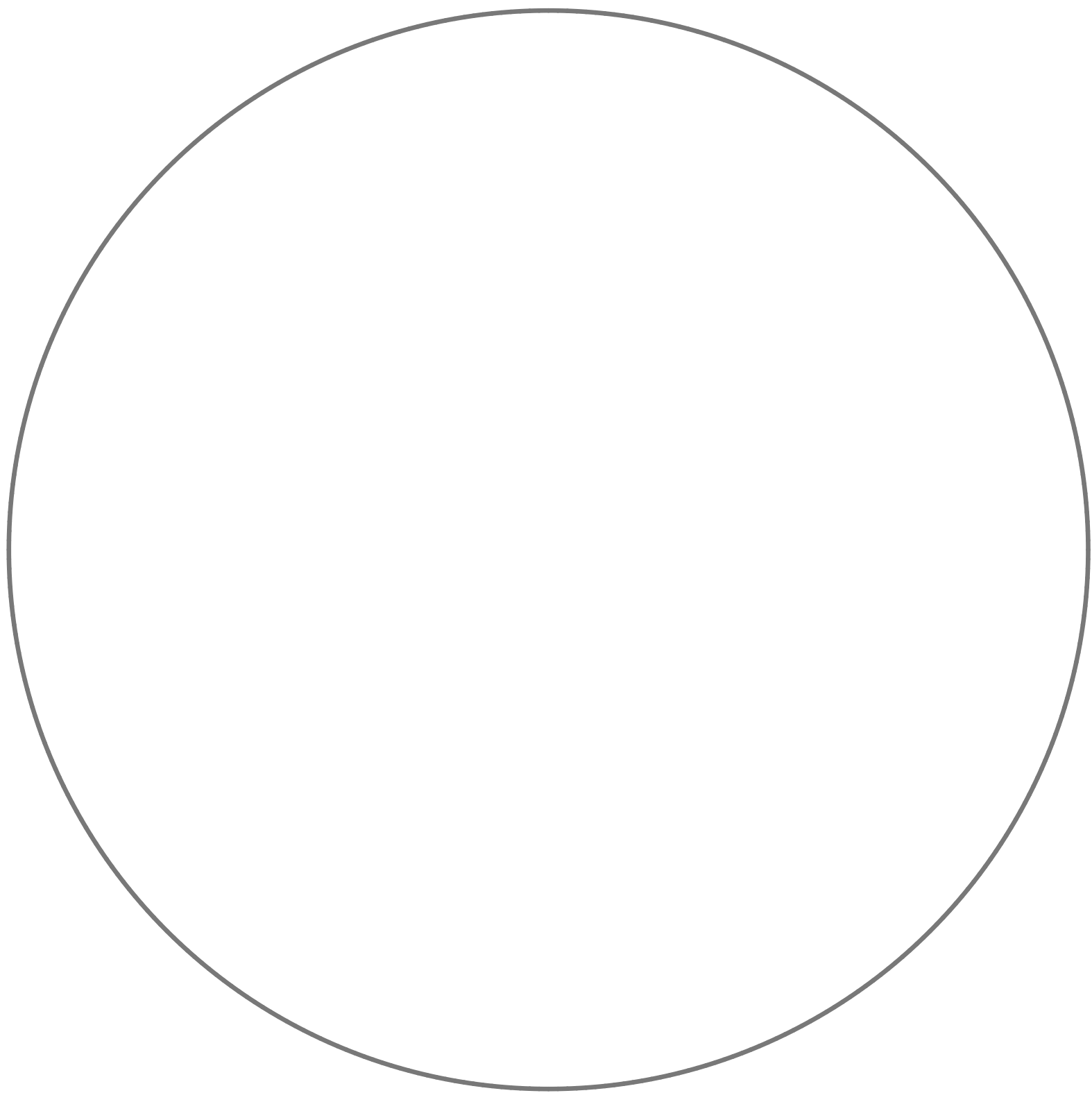












Comment	Description	Designator	Footprint	LibRef	Sample	Part number	Quantity
100nF	Capacitor	C1, C2, C3, C4, C5, C7, C8, C9, C10, C11, C12, C13, C14	FP_0603_CAP_080	CAP	82-12-71	100nF_0603_50V_X7R_10percent	13
10uF	Capacitor ceramic X7R	C6, C18	FP_1206_CAP_085	Cap			2
22pF	Capacitor	C15	FP_0603_CAP_080	Cap	82-02-18	22pF_0603_50V_NP0_5percent	1
WS2812B	WS2812B	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12	LED_5050_4pin	WS2812B			12
SMBJ5.0A suppressor		D13	FP_SMB DO214AA	Suppressor diode	96-00-74	SMBJ5.0A	1
fuse 1.1A	fuse	F14	Fuse-Littelfuse-1812	FUSE	https://hu.mouser.com/ProductDetail/Littelfuse/1812L110-33MR?qs=PWhpLWeW8wdL8%252bas2HFkoA%3D%3D	1812L110/33	1
ALS-PT19	ALS-PT19 Ambient Light Sensor	LS1	ALS-PT19	ALS-PT19	https://lsc.com/product-detail/Photoresistors_ALS-PT19-315C-L177-TR8_C146233.html	ALS-PT19-315C/L177/TR8	1
Sorkapocs_2	Header, 2-Pin	P2	Sorkapocs_5mm_2P	Header 1X2			1
10k	Resistor	R1, R2, R3, R4, R7, R8	FP_0603_RES	Res3	80-15-13	10k_0603_1percent	6
1K	Resistor	R5, R6	FP_0603_RES	RES	80-11-59	1k_0603_1percent	2
220k	Resistor	R9	FP_0603_RES	Res3	TODO	220k_0603_1percent	1
100k	Resistor	R10	FP_0603_RES	Res3		100k_0603_1percent	1
SW_ tactile		SW1	FP_TACTBTN	SW_ tactile			1
DS18B20P	DS18B20P	TS	SENSOR_TO92	DS18B20P	http://hu.mouser.com/ProductDetail/Maxim-Integrated/DS18B20+PAR/?qs=sGAepiMZZMucenItShoSnqz2Nq7rAtSUU07bIAAmMis%3d	DS18B20+PAR	1
ESP8266_wroom02	ESP8266 WROOM 02 wifi module	U1	ESP8266_wroom02	ESP8266_wroom02		ESP_WROOM02	1
TTP223E-BA6	SOT-23-6 Touch Sensor Controller ICs RoHS	U2	SWITCH_SOT23-6	TTP223E-BA6	https://lsc.com/product-detail/Touch-Screen-Controller-ICs_TTP223E-BA6_C129457.html	TTP223E-BA6	1
LD1117xx	LD1117xx 3,3V lin	U7	SUPPLY_SOT223	LD1117xx			1