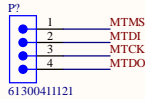
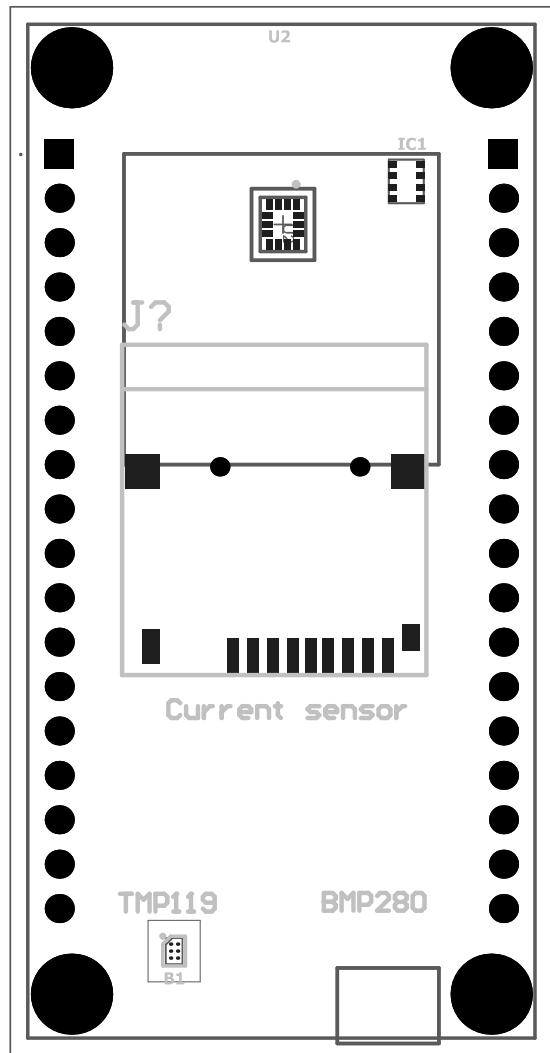


JTAG Pins	Pin
Mode Select	MTMS
Data Input	MTDI
Clock	MTCK
Data output	MTDO



Title		
Size	Number	Revision
A3		
Date:	4-17-2024	Sheet of
File:	F:\fiverr\...FireBeetle ESP32 IoT SchDoc	Drawn By:

U?



R1

C1

R2

C3

Y1

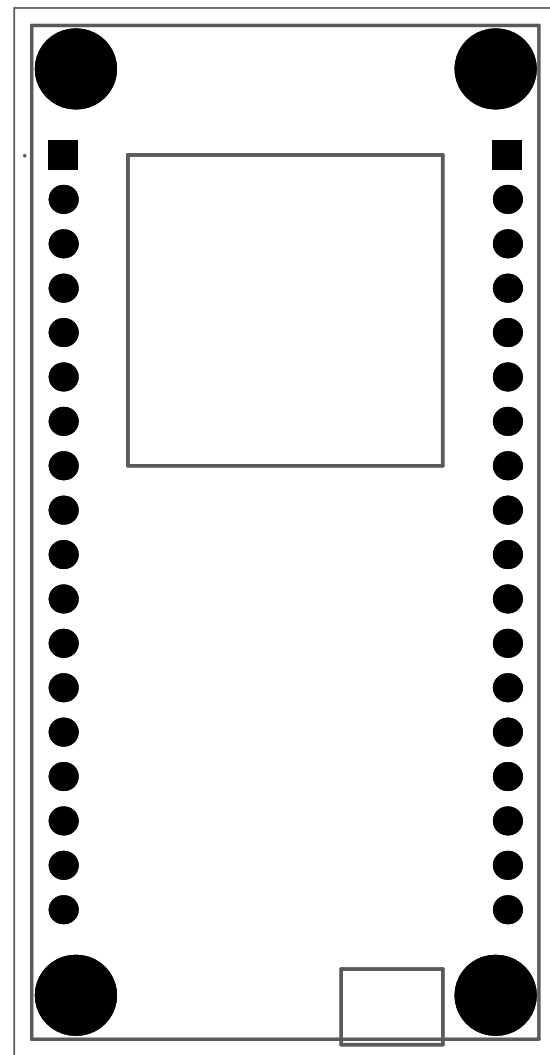
C6

C5g

RTC

U1

U4



IMU

Comment	Description	Designator	Footprint	LibRef	Quantity
TMP119AIYBGR	Board Mount Temperature Sensors TEMPERATURE SENSOR	B1	BGA6C40P2X3_95X14 9X52	TMP119AIYBGR	1
DS3232MZ+	Real Time Clock with SRAM I2C SOIC8 Maxim DS3232MZ+ Real Time Clock Calendar, 236B RAM 8- Pin SOIC	B?	SOIC127P600X175-8N	DS3232MZ+	1
CC0201KRX5R5BB104	CAP CER 0.1UF 6.3V X5R 0201	C4	FP-CC0201-BA-MFG	CMP-03422-000376-1	1
GRM155R61A104KA0 1D	Chip Capacitor, 100 nF, +/- 10%, 10 V, -55 to 85 degC, 0402 (1005 Metric), RoHS, Tape and Reel	C?	CAPC1005X55X25ML5 T10	CMP-1662-00019-1	1
GRM155R61A105KE15 D	CAP CER 1UF 10V X5R 0402	C?	FP-GRM15-0_1-MFG	CMP-2008-04556-2	1
GRM155R71C104KA8 8D	CAP CER 0.1UF 16V X7R 0402	C?	FP-GRM15-MFG	CMP-2100-03641-2	5
GRM155R71E103KA01 D		C?	CAPC1005X55X25ML0 5T10	CMP-1034-01880-2	1
GRM155R71H222KA0 1D	Chip Multilayer Ceramic Capacitors for General Purpose, 0402, 2200pF, X7R, 15%, 10%, 50V	C?	FP-GRM155-0_05- IPC_B	CMP-2008-04653-5	1
Micro SD		J?	TFP-09-2-12B	Micro SD TFP-09-2- 12B	1
61300411121		P?	61300411121	CMP-1502-01064-2	1
ERJ-1GNF4701C	RES SMD 4.7K OHM 1% 1/20W 0201	R1, R2	FP-ERJ0201-MFG	CMP-1010-00492-3	2
ERJ-2RKF1003X	RES SMD 100K OHM 1% 1/10W 0402	R?	FP-ERJ2RK-IPC_C	CMP-2002-00608-4	2
ERJ-2RKF1004X	Chip Resistor, 1 MOhm, +/- 1%, 100 mW, -55 to 155 degC, 0402 (1005 Metric), RoHS, Tape and Reel	R?	RESC1005X40X25LL05 T05	CMP-2002-00609-3	1
BME280	DIGITAL HUMIDITY, PRESSURE AND TEMPERATURE SENSOR * Digital interface IÂ°C (up to 3.4 MHz) and SPI (3 and 4 wire, up to 10 MHz)* Supply voltage VDD main supply voltage range: 1.71 V to 3.6 V*VDDIO interface voltage range: 1.2 V to 3.6 V  Operating range -40â€¦  +85 Â°C, 0â€¦  100 % rel. humidity, 300â€¦  1100 hPa    The library has been designed by<a href="https://www.fab cebook.com/groups/e aglecadsoftUK"> Richard Magdycz</a>	U?	PSON65P250X250X10 0-8N	BME280	1
Development Boards & Kits - Wireless FireBeetle ESP32 IOT MCU Source: Datasheet		U?	FIREBEETLE_ESP32	DFR0478	1
INA238AIDGST		U?	SOP50P490X110-10N	INA238AIDGST	1
MPU-6050	3-Axis Gyroscope, Accelerometer and a Digital Motion Processor(TM) (DMP), 2.375 to 3.46 V, -40 to 85 degC, 24-Pin OFN, RoHS, Tape and Reel	U?	IS-QFN-24_V	CMP-1753-00002-2	1