

JLPCB Part Number	Description
C94351	ARM Microcontrollers - MCU 16/32-BITS MICROS
C1525	Capacitor, Ceramic (MLCC), 100nF, ±10%, 16V, X7R, ±10%, SMD 0402
C1953127	Tantalum Capacitor, Polarized, Tantalum (dry/solid), 10V, 10% +Tol, -20% -Tol
C15525	Capacitor, Ceramic (MLCC), 10uF, ±20%, 6.3V, X5R, ±20%, SMD 0402
C147367	50V 4.3pF NP0 0402 Multilayer Ceramic Capacitors MLCC - SMD/SMT
C1575	50V 6pF C0G 0402 Multilayer Ceramic Capacitors MLCC - SMD/SMT
C52923	Capacitor, Ceramic (MLCC), 1uF, ±10%, 25V, X5R, ±10%, SMD 0402
C23733	Capacitor, Ceramic (MLCC), 4.7uF, ±20%, 10V, X5R, ±20%, SMD 0402
C191023	40V 600mV@1A 1A SOD-323 Schottky Barrier Diodes (SBD) ROHS
C2286	SZYY0603R
C64898	DIODE GEN PURP 1KV 1A SOD123FL
C76884	520mΩ ±25% 600Ω@100MHz 0402 Ferrite Beads ROHS
	Pressure Sensor 30kPa to 125kPa Absolute 10-Pin LGA
	AVX edge to edge connector 10pin
	RF SMA Connector, 1 Contact(s), Female, Board Mount, Surface Mount
C3654058	FFC/FPC Connector, 40 Contact(s), 2 Row(s), Female, Straight, 0.01mm
C2927300	YTC-TC16S-23 USB Type C Surface Mount PCB Socket 3A
C2765055	Barrier Strip Terminal Block, 9A, 0.75mm <sup>2</sup> , 1 Row(s), 1 Deck(s)
C94598	Externally Driven Magnetic 4000Hz SMD,5x5mm Buzzers ROHS
C15127	P沟道 VDS=-30V VGS=±12V ID=-4A P=1.4W
C20917	N沟道 VDS=30V VGS=±12V ID=5.7A P=1.4W
C25905	Resistor, 5.1kΩ, ±1%, 62.5mW, 50V, ±100ppm/°C, -55°C~+155°C, SMD
C25744	Resistor, 10kΩ, ±1%, 62.5mW, 50V, ±100ppm/°C, -55°C~+155°C, SMD
C25091	Resistor, 220Ω, ±1%, 62.5mW, 50V, ±100ppm/°C, -55°C~+155°C, SMD
C25102	Resistor, 300Ω, ±1%, 62.5mW, 50V, ±100ppm/°C, -55°C~+155°C, SMD
C25879	Resistor, 2.2kΩ, ±1%, 62.5mW, 50V, ±100ppm/°C, -55°C~+155°C, SMD
C2757930	PTC Resettable Fuse: 2A Hold, 4A Trip, 0603
C79167	Switch Tactile N.O. SPST Rectangular Button Gull Wing 0.05A 12VDC
	GPS Module 15, 0x15, 0x4, 0mm SMD w/Antenna 3, 0V
C4154872	SMD,2.4x2.7mm Light Emitting Diodes (LED) ROHS
C726001	9-Axis MEMS MotionTracking Device Gyroscope/Accelerometer/Compass
	LoRa-CC68 targeting 868MHz and with a TXCO
C6186	Fixed Positive LDO Regulator, 3.3V, 1.3V Dropout, PDSO3
C58069	Fixed Positive Standard Regulator, 5VBIPolar, PSSO2
C97521	FLASH - NOR Memory IC 128Mb (16M x 8) SPI - Quad I/O, QPI, DTR 1.8V
C478473	Interface Circuit, PBGA12
C92498	250-mA, low-noise, high-PSRR, low-IQ, ultra-low-dropout voltage regulator
C156247	Crystal 16MHz ±20ppm (Tol) ±30ppm (Stability) 8pF FUND 80Ohm A
C5136773	Crystal 32.7680KHZ 7PF SMD

Designator	Footprint	Value
B1	QFP50P1200X1200X160-64N	
C1, C2, C4, C6, C7, C12,	CAP-0402	100nF
C3	KEMT-T491-B_M	22μF
C5, C30	CAP-0402	10μF
C8, C9	CAP-0402	4.3pF
C10, C11	CAP-0402	6pF
C13, C27, C28, C32	CAP-0402	1μF
C14, C15	CAP-0402	4.7μF
D1	FP-477-02-IPC_C	
D2, DS1	FP-LTST-C190GKT-MFG	
D3	MCC-SOD-123FL_V	
FB1	FP-BLM15-0_05-IPC_A	
IC1	BMP388	
J1	009159010061911-Footprint-1	
J2	FP-SMA-J-P-H-ST-EM1-MFG	
J3	FP-DF40HC_4_0_-40DS-0_4V-MFG	
J4	VALCON_CSP-USC16-TR	
J5	WAGO-2060-452_V	
LS1	MLT-5020	
Q1	AO-SOT-23-3L_V	
Q2, Q3	FP-SOT23-IPC_C	
R1, R2	RES-0402	5.1k
R3, R6, R7, R8, R9, R11, R	RES-0402	10k
R4, R5	RES-0402	220
R10	RES-0402	300
R13, R14	RES-0402	2.2k
RT1	THRMC1608X95N	
SW1, SW2	FP-EVQ-P7A01P-MFG	
U1	QUEC-L80-M39-12_V	
U2, U10, U11	WS2812C-2427-Footprint-1	
U3	TDK-QFN-24_L	
U4	LoRa-CC68-868-TCXO-Footprint-1	
U5	FP-AMS1117-IPC_B	
U6	FP-L78M05ABDT-TR-MFG	
U7	SOIC127P790X216-8N	
U8	FP-YZT0012A-IPC_C	
U9	SOT95P280X145-5N	
Y1	FP-NX3225GA-MFG	8pF
Y2	FP-NX3215SA-MFG	7pF