

Part Number	Description	Altium Identifier
ASR00007	BATTERY LITH-ION 3.7V 290MAH	NONE
SM02B-SRSS-TB(LF)(SN)	Connector Header Surface Mount, Right Angle 2 position 0.039 _1.00mm_	BAT
08055C104KAT4A	CAP CER 0.1UF 50V X7R 0805	C1, C4, C6, C12, C13, C14, C15, C17, C18, C19, C20, C21, C22, C23, C24, C26, C27, C28, C29, C30
CC0805KKX5R6BB106	CAP CER 10UF 10V X5R 0805	C2, C7, C11, C25, C31
CL21B105KBFNNNG	CL21 Series 0805 1uF 50V ±10% Tolerance X7R Multilayer Ceramic Chip Capacitor	C3, C8, C9, C10
CL21A226MOCLRNC	22µF 16V Ceramic Capacitor X5R 0805 (2012 Metric) 0.079" L x 0.049" W (2.00mm x 1.25mm)	C5, C16
SB110-E354	Schottky Diodes & Rectifiers 10 Volt 1.0 Amp	CR1, CR2
150080RS75000	LED Uni-Color Red 630nm 2-Pin Chip 0805(2012Metric) T/R	D1
PPPC081LFBN-RC	CONN HEADER FEMALE 8POS .1" GOLD	Display Out
MI0805J102R-10	FERRITE BEAD 1 KOHM 0805 1LN	FB1
USB4105-GF-A	USB-C Connector Piece	J1
MX1A-11NN	Pushbutton Switch SPST-NO Keyswitch Panel Mount, Front	J2, J3
ROB-20441	Three Phase Brushless Gimbal Stabilizer Motor	NONE
530480310	CONN HEADER R/A 3POS 1.25MM	J4
NRS3015T3R3MNGHV	SMD Power Inductors for Automotive Applications 3.3uH ±20% 1.21 A 93.6mΩ	L1
SK6812SIDE-A-RVS	SMD,2x4mm RGB LEDs(Built-in IC) ROHS	LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8
ESP32-WROOM-32	RX TXRX MOD WIFI SURFACE MOUNT	MD1
BSS138-7-F	N-Channel 50 V 200mA (Ta) 300mW (Ta) Surface Mount SOT-23-3	Q1, Q2
PJC7407_R1_00001	SOT PMOS	Q3, Q4
RR1220P-512-D	RES SMD 5.1K OHM 0.5% 1/10W 0805	R1, R4, R18
RN73C2A10KBTG	RES SMD 10K OHM 0.1% 1/10W 0805	R2, R5, R7, R8, R9, R10, R11, R14, R15, R16
CRCW08052M26FKEA	RES SMD 2.26M OHM 1% 1/8W 0805	R3
RR1220P-2493-D-M	RES SMD 249K OHM 0.5% 1/10W 0805	R6
CPF0805B2K2E	RES SMD 2.2K OHM 0.1% 1/10W 0805	R12, R13
RR1220P-104-D	RES SMD 100K OHM 0.5% 1/10W 0805	R17

TPS61200DRCT	Boost Voltage Converter with 0.3 to 5.5 V Input and 1.8 to 5.5 V Output, -40 to 85 degC, 10-Pin SON (DRC), Green (RoHS & no Sb/Br)	U1
CH340C	2Mbps Transceiver USB 2.0 SOP-16 USB Converters ROHS	U2
KMR231NGLFS	Tactile Button Small	U3, U4
NCP164CSN330T1G	IC REG LINEAR 3.3V 300MA 5-TSOP	U5
MAX1898EUB41+	Linear Charger for Single-Cell Li+ Battery	U6
MT6701CT-STD	Hall Based Angle Position Encoder Sensor	U7
TMC6300-LA-T	Motor / Motion / Ignition Controllers & Drivers Low Voltage BLDC Motor/PMSM Driver IC, 2-11V, 1.2A, QFN-20	U8
SN74LV1T34DBVR	IC BUF NON-INVERT 5.5V SOT23-5	U9