















Description	Designator	Footprint CARCIONEVOAN 0403	LCSC_Part
Capacitor SMT 10nF 50V 0402 ±10%	C1, C2, C3, C4, C5 C6, C8, C9, C12, C14, C15, C17,	CAPC1005X06N_0402	C15195
Capacitor SMT 100nF 50V 0402 ±10%	C18, C22	CAPC1005X06N_0402	C307331
Capacitor SMT 10uF 6.3V 0402 ±20%	C7, C47, C48	CAPC1005X06N_0402	C15525
Capacitor SMT 1uF 25V 0402 ±10%	C10, C16, C20	CAPC1005X06N_0402	C52923
Capacitor SMT 10uF 25V 0603 ±20%	C11, C13, C21	CAPC1608X09N_0603	C96446
Capacitor SMT 4.7uF 10V 0402 ±20%	C19, C24, C25, C26, C28, C29, C30, C32, C33, C34, C36, C37, C38, C40, C41, C42, C44, C45, C46	CAPC1005X06N_0402	C23733
Capacitor SMT 4.7uF 16V 0603 ±10%	C23, C27, C31, C35, C39, C43	CAPC1608X09N_0603	C19666
Capacitor SMT 100nF 100V 0805 ±10%	C49, C55	CAPC2012X14N_0805	C28233
Capacitor SMT 470pF 50V 0603 ±10%	C50	CAPC1608X09N_0603	C1620
Capacitor SMT 22uF 25V 0805 ±20% Capacitor SMT 10uF 50V 0805 ±10%	C51, C52	CAPC2012X14N_0805 CAPC2012X14N_0805	C45783 C440198
ED Red 20mcd@5mA 1.8V 0402	C53, C54 D1, D2, D3, D39, D40	DIOC1005X04N	C130719
	D4, D9, D12, D15, D18, D21,		
.ED Blue 78mcd .ED Green 275mcd	D24 D5, D7, D10, D13, D16, D19,	DIOC1005X04N DIOC1005X04N	C434447
LED Yellow 24mcd	D22, D41 D6, D8, D11, D14, D17, D20,	DIOC1005X04N	C130721
	D23, D38, D42 D25, D26, D27, D28, D29, D30,		
LED WS2812B-2020 RGB	D31, D32, D33, D34, D35, D36	WS2812B_2020_CAC-100P200X182-4N	C965555
Diode Schottky 100V 10A 850mV	D37	DIOM6959X26N	C65020
Header JST XH 3Pos	J1, J2	Header JST XH 3Pos Straight	C144394
CON PWR JCK 2.0 X 6.5MM HIGH CUR JSB Connector Type-C	J3 J4	DC POWER RECEPTACLE 5A USB Connector Type-C	C426213 C134092
Header 1x3P Male	J5, J13, J21, J29, J37, J45	Header 1x3P MALE	C49257
Receptacle Assembly, 9 Position, Right Angle	J6, J14, J22, J30, J38, J46	DSUB1.385-2H9 Straight Female W/Nuts	C183530
Header 1x1P Male	J7, J10, J15, J18, J23, J26, J31, J34, J39, J42, J47, J50	Header 1x1P MALE	C492400
Header JST XH 5Pos	J8, J16, J24, J32, J40, J48	Header JST XH 5Pos Straight	C157991
Header 1x3P Male	J9, J11, J12, J17, J19, J20, J25, J27, J28, J33, J35, J36, J41, J43, J44, J49, J51, J52	Header 1x3P MALE	C49257
Header 1x4P Female	J53	Header 1x4P FEMALE	C2718488
nductor 8.2uH 4.5A	L1	INDP7366X30N	C516306
2C 16-Bit I/O Expander	Q1	TSOP65P640X120-24N	C255606
2K EEPROM	Q2	SOIC127P600X175-8N	C7562
Transistor NPN 1.5A 25V SS8050	Q3, Q5	SOT95P237X117-3N	C2150
USBLC6-2P6	Q4	SOTFL50P162X60-6N	C2827693
Voltage Regulator 3.3V 1A USB/UART CP2104	Q6 Q7	SOT230P700X180-4N TAB THERMAL QFN50P400X400X80_HS-25N_CP2014	C6186 C47742
ESP32-WROOM-32E	Q8	ESP32-WROOM	C701343
AM26LV32 5V Differential Receiver	Q9, Q13, Q17, Q21, Q25, Q29	SOIC127P600X175-16N_3.9mm	C3019543
Multiplexer 2:1 74LVC1G157GW	Q10, Q11, Q12, Q14, Q15, Q16, Q18, Q19, Q20, Q22, Q23, Q24, Q26, Q27, Q28, Q30, Q31, Q32	SOT65P210X110-6N	C135822
SN74LVC1T45DCKR Push-Pull Transceiver	Q33	SOT65P210X110-6N	C9382
SSD1306 OLED	Q34	SSD1306 OLED Display	
Voltage Regulator	Q35	SOIC127P600X175_HS-9N_3.9mm_LargeThermal	C90665
Mosfet P-Channel 30V 9A 16mOhm	Q36, Q38	SOT95P237X117-3N	C2758226
Fransistor Dual Matched PNP	Q37, Q39 R1, R2, R3, R4, R5, R7, R18, R19,	SOT65P210X110-6N	C156320
Resistor 10kΩ 0402 SMT ±1% 62.5mW	R20, R33, R36, R38, R42, R45, R47, R51, R54, R56, R60, R63, R65, R69, R72, R74, R78, R81, R83	RESC1005X04N_0402	C25744
Resistor 47kΩ 0402 SMT ±1% 62.5mW	R6, R9, R28	RESC1005X04N_0402	C25792
Resistor 4.7kΩ 0402 SMT ±1% 62.5mW Resistor 3.3kΩ 0402 SMT ±1% 62.5mW	R8, R10, R11, R14, R27 R12, R13, R29, R31, R34, R35, R37, R40, R43, R44, R46, R49, R52, R53, R55, R58, R61, R62,	RESC1005X04N_0402 RESC1005X04N_0402	C25900 C25890
	R64, R67, R70, R71, R73, R76, R79, R80, R82, R86, R96	THESE TOURING TOUR	323070
Resistor 1.2kΩ 0402 SMT ±1% 62.5mW	R15, R17	RESC1005X04N_0402	C25862
Resistor 2.4kΩ 0402 SMT ±1% 62.5mW	R16, R93, R94	RESC1005X04N_0402	C25882
Resistor 5.1kΩ 0402 SMT ±1% 62.5mW	R21, R22	RESC1005X04N_0402	C25905
Resistor 220Ω 0402 SMT ±1% 62.5mW	R23	RESC1005X04N_0402	C25091
Resistor 1.5kΩ 0402 SMT ±1% 62.5mW	R24 R25	RESC1005X04N_0402	C25867
Resistor 7.5kΩ 0402 SMT ±1% 62.5mW Resistor 22kΩ 0402 SMT ±1% 62.5mW	R26	RESC1005X04N_0402 RESC1005X04N_0402	C25918 C25768
Resistor 27kΩ 0402 SMT ±1% 62.5mW	R30, R39, R48, R57, R66, R75, R95	RESC1005X04N_0402	C25770
Resistor 8.2kΩ 0402 SMT ±1% 62.5mW	R32, R41, R50, R59, R68, R77	RESC1005X04N_0402	C25924
Resistor 20kΩ 0402 SMT ±1% 62.5mW	R84	RESC1005X04N_0402	C25765
Resistor 68kΩ 0603 SMT ±1% 100mW	R85	RESC1608X06N_0603	C23231
	R87	RESC1608X06N_0603 RESC1608X06N_0603	C23182 C22790
Resistor 47Ω 0603 SMT ±1% 100mW	DRR		
Resistor 47Ω 0603 SMT ±1% 100mW Resistor 12kΩ 0603 SMT ±1% 100mW	R88 R89, R91		
Resistor 47Ω 0603 SMT ±1% 100mW Resistor 12kΩ 0603 SMT ±1% 100mW Resistor 68kΩ 0402 SMT ±1% 62.5mW	R88 R89, R91 R90, R92	RESC1005X04N_0402 RESC1005X04N_0402	C36871 C25741
Resistor 47Ω 0603 SMT ±1% 100mW Resistor 12kΩ 0603 SMT ±1% 100mW Resistor 68kΩ 0402 SMT ±1% 62.5mW Resistor 100kΩ 0402 SMT ±1% 62.5mW Vulti_Directional_Switch	R89, R91 R90, R92 S1	RESC1005X04N_0402 RESC1005X04N_0402 Multi_Directional_Switch	C36871 C25741 C465996
Resistor 470 6603 SMT ±1% 100mW Resistor 12kΩ 0603 SMT ±1% 100mW Resistor 12kΩ 0603 SMT ±1% 100mW Resistor 100kΩ 0402 SMT ±1% 62.5mW Resistor 100kΩ 0402 SMT ±1% 62.5mW Multi_Directional_Switch Rotary_Encoder_EC12E24204A8	R89, R91 R90, R92	RESC1005X04N_0402 RESC1005X04N_0402	C36871 C25741