

Comment	Description	Value	Designator	Footprint	Quantity
ANT3216LL00R2400A	RF ANT 2.45GHZ CHIP SOLDER SMD		A1	ANT3216LL00R2400A	1
Cap	Capacitor	22uF	C1, C6	0805	2
Cap	Capacitor	10uF, 100n, 1u, 8pF	C2, C3, C4, C5, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25	0603 - CAP	21
USB-C Recepticle	3A 1 Surface Mount 16P Female -25°C~+85 °C Type-C SMD USB Connectors ROHS		P1	GCT_USB4105-GF-A	1
Res	Resistor	5.1K, 27R, 2K2, 0R	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12	0603	12
Switch	50mA Surface Mount SPST 100MΩ 100,000 Times 12V 160gf@±50gf SMD Tactile Switches ROHS		SW1, SW2	Switch-XDTD-0304-215	2
IC REG LINEAR 3.3V 300MA SOT23-5	600mA null 3.3V positive 6V SOT-25 Linear Voltage Regulators (LDO) ROHS		U1	SOT-23-5	1
ESP32-C3-FNH4	Ultra-Low-Power SoC with RISC-V Single- Core CPU 2.4 GHz Wi-Fi (802.11 b/g/n) and Bluetooth® 5 (LE)		U2	QFN50P500X500X100_ HS-33N	1
DRV5055A2QLPGM	Hall Effect Sensor Single Axis Radial Lead		U3	SS490A	1
MCP3221A5T-E/OT	10 Bit Analog to Digital Converter 1 Input 1 SAR SOT-23-5		U4	SOT95P270X145-5N	1
40MHz	40MHz 9pF ±10ppm SMD2016-4P Crystals ROHS		X1	XTAL-4LEAD-2016	1