

# ESP32-S3-WROOM-2 Board Bill of Materials

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Reference	Value	Description	Manufacturer	MPN	Mouser #
C1, C2, C5	4u7	X7R, 16 VDC, 10%	Murata	GRM21BR71C475KE51K	<a href="#">81-GRM21BR71C475KE1K</a>
C3	100n	X7R, 100 VDC, 10%	Samsung	CL21B104KCFNNNE	<a href="#">187-CL21B104KCFNNNE</a>
C4	22u	X5R, 6.3 VDC, 10%	Samsung	CL21A226KQCLRNC	<a href="#">187-CL21A226KQCLRNC</a>
J1	USB_C_Receptacle_USB2.0	16 P, 5 A	GCT	USB4105-GF-A-120	<a href="#">640-USB4105-GF-A-120</a>
J2, J3	PinHeader_02x10_P2.54mm	5.84 mm, 3.05 mm	Amphenol	10129381-920001BLF	<a href="#">649-1012938192001BLF</a>
R1, R2, R5	5k1	125 mW, 1%	Yageo	RC0805FR-075K1L	<a href="#">603-RC0805FR-075K1L</a>
R3, R4	0R	125 mW, 5%	Yageo	RC0805JR-070RL	<a href="#">603-RC0805JR-070RL</a>
SW1	SW_Push	Tactile, 50 mA, 12 VDC, 6.0x3.5, 2.5 mm	C&K	PTS636 SK25 SMTR LFS	<a href="#">611-PTS636SK25SMTRLF</a>
U1	ESP32-S3-WROOM-2	8 MB PSRAM, 32 MB Flash, PCB Antenna	Espressif	ESP32-S3-WROOM-2-N32R8V	<a href="#">356-ESP3S3WRM2N32R8V</a>
U2	AP2115M-3.3	3.3 VOUT, 1 AOUT, 2.5-6 VIN	Diodes Incorporated	AP2115M-3.3TRG1	<a href="#">621-AP2115M-3.3TRG1</a>