



Designator	Quantity	LCSC Part #	Description	Comment	LibRef	Footprint
A1	1		Bridge Rectifier 100V 0.8A MiniDIP SMD4	ESP32-WROOM-32D	ESP32-WROOM-32D	ESP32-WROOM-32D
BR1	1			DB 100V 0A8	DB 100V 0A8	miniDIP 4
C1	1		CAP CER 0.1UF 16V X7R 0603	100n 16V	CAP 100n 16V 0603	CAP 0603 MD
C2	1		SAMSUNG ELECTRO- MECHANICS - CL21A106KOQNNNE - SMD Multilayer Ceramic Capacitor, 10 µF, 16 V, 0805 [2012 Metric], ± 10%, X5R, CL Series	10u 16V	CAP 10u 16V 0805	CAP 0805 LD
C3	1		SAMSUNG ELECTRO- MECHANICS - CL10B105KABNNNC - SMD Multilayer Ceramic Capacitor, 1 µF, 25 V, 0603 [1608 Metric], ± 10%, X7R, CL Series	1u 25V	CAP 1u 25V 0603	CAP 0603 MD
C4	1			100u 50V	CAP-EL 100u 50V	ELECTROLYTIC CAP D8 Lifted
C5	1	C466608	10nF ±10% 50V X7R 0402 Multilayer Ceramic Capacitors MLCC - SMD/SMT RoHS	10n 50V	CAP 10n 0402	CAP0402X07
C6	1		CAP CER 0.1UF 16V X7R 0603	100n 16V	CAP 100n 16V 0603	CAP 0603 HD
C7	1		Multilayer Ceramic Capacitors MLCC - SMD/SMT 50V 1500pF X7R 0603 10% Tol	1n5 50V	CAP 1n5 50V 0603	CAP 0603 HD
C8	1			220u 16V	CAP-EL 220u 16V	ELECTROLYTIC CAP D6.3 Lifted
D1	1		DIODE SCHOTTKY 50V 1A SMAE	DS -50V 700mV 1A	DS -50V 700mV 1A	DO-214AC
D2, D3	2		DIODE FS 100V 150MA SOT363	D -75V A150 x3	D -75V A150 x3	SOT-363
K1, K2, K3, K4, K5	5		OPTOISOLATOR 3.75KV TRIAC 6SO 4L	TLP266J	TLP266J	11-4M1S MD
L1	1		FIXED IND 150UH 610MA 949 MOHMM	150u A560 R949	IND 150u 560mA	IND 5050X45 MD
P1	1		Header, 3 Pin	Header 3	Header 3	HDR1X3
P2, P3	2		Header, 2 Pin	Header 2	Header 2	HDR1X2
R1, R2	2		PANASONIC - ERJ- 3EK1002V - THICK FILM CHIP RES, 0603, 1%, PRECISION	10k 1% 0W1	RES 10k 0603 1% 0W1	RES 0603 MD
R3	1		SUSUMU RL1220S-R50-F SMD Current Sense Resistor, 0.5 ohm, 0805 [2012 Metric], 250 mW, 1%, RL Series	0R5 1% 0W33	RES 0R5 0805 1% 0W33	RES 0805 HD
R4	1		RES SMD 36k OHM 0.5% 1/16W 0603	36k 0.5 52m5	RES 36k 0603 0%5 62m5	RES 0603 HD
R5	1		Res Thick Film 0603 22K Ohm 1% 1/10W 100ppm/C Molded SMD SMD Paper T/R	22k 1% 0W1	RES 22k 0603 1% 0W1	RES 0603 HD
R6	1		TE CONNECTIVITY - CRGCO0603F12K - SMD Chip Resistor, 0603 [1608 Metric], 12 kohm, CRGCO Series, 75 V, Thick Film, 100 mW	12k 1% 0W1	RES 12k 0603 1% 0W1	RES 0603 HD
R7, R8, R9, R10, R11	5		TE CONNECTIVITY - CRGCO0603F56R - SMD Chip Resistor, 0603 [1608 Metric], 56 ohm, CRGCO Series, 75 V, Thick Film, 100 mW	56 1% 0W1	RES 56 0603 1% 0W1	RES 0603 HD
R12, R13, R14, R18, R19	5		RES 100K OHM 1% 1/10W 0603	100k 1% 0W1	RES 100k 0603 1% 0W1	RES 0603 HD
R15, R16, R17, R20, R21	5		PANASONIC - ERJ- 3EK1002V - THICK FILM CHIP RES, 0603, 1%, PRECISION	10k 1% 0W1	RES 10k 0603 1% 0W1	RES 0603 HD
U1, U3, U4	3		TEXAS INSTRUMENTS SN74LVC126APWR - NON INVERTING BUS BUFFER GATE TSSOP14	SN74LVC126APWR	SN74LVC126APWR	TSSOP-14 MD
U2	1		ON SEMICONDUCTOR NCP3064BDR2G DC-DC Switching Buck, Boost, Inverting Regulator, Adj., 3V- 40Vin, 1.25V- 40V/1.5A out, 150kHz, SOIC-8	NCP3064BDR2G	NCP3064BDR2G	soic-8 md