

Section	Component	Value	Observations	Notes	Quantity
Microcontroller	ESP32	-	-	NODEMCU-32S	1
Input Network	Capacitors	150 nF	5% - 500 V	Ceramic or multilayer - 1206	1
	Selectors	2P2T	500 V	100DP2T1B1M2 QEH (or similar)	1
	BNC Input	BNC Hembra	-	BNC-6252H7 (or compatible BNC Female Right Angle PCB Connector)	1
Attenuation Network	Resistors	1,5 MΩ	5% - 1/4 W	1206	1
		39 kΩ	5% - 1/4 W		1
		1,3 MΩ	5% - 1/4 W		2
		910 kΩ	5% - 1/4 W		2
		590 kΩ	5% - 1/4 W		1
		160 kΩ	5% - 1/4 W		1
		82 kΩ	5% - 1/4 W		1
	Capacitors	18 pF	5% - 25 V	Ceramic or multilayer - 1206	2
		18 pF	5% - 500 V		1
		680 pF	5% - 25 V		1
		6,8 pF	5% - 25 V		1
		1 pF	5% - 25 V		1
		82 pF	5% - 25 V		1
		220 pF	5% - 25 V		1
		47 pF	5% - 25 V		1
		Trimmer 30 pF	25 V	TSCS06-200 // GKG20015	1
	Selectors	2P4T	25 V	SLW-2414894-6A-RA-S-D	1
		2P2T	500 V	100DP2T1B1M2 QEH (or similar)	1
Amplification Network	Resistors	1 MΩ	5% - 1/4 W	1206	1
		330 kΩ	5% - 1/4 W		1
		270 kΩ	5% - 1/4 W		1
		12 kΩ	5% - 1/4 W		1
	Capacitors	68 pF	5% - 25 V	Ceramic or multilayer - 1206	1
		1 pF	5% - 25 V		1
		100 pF	5% - 25 V		1
	Operational Amplifier	TL082CP	-	DIP-8	1
Filter	Resistors	680 Ω	5% - 1/4 W	1206	1
	Capacitors	68 pF	5% - 25 V	Ceramic or multilayer - 1206	1
Converter	ADC	ADS7884	-	SOT-23	1
	Resistors	100 Ω	5% - 1/4 W	1206	1
	Capacitors	10 nF	5% - 25 V	Ceramic or multilayer - 1206	1
		1 μF	5% - 25 V		1
Comparator	Resistors	33 kΩ	5% - 1/4 W	1206	1
		43 kΩ	5% - 1/4 W		1
		1,3 MΩ	5% - 1/4 W		1
	Capacitors	10 nF	5% - 25 V	Ceramic or multilayer - 1206	1
	Operational Amplifier	TL082CP(*)	-	DIP-8	0
	Diodo	BAT54 (or BAT85)	-	SOT-23-3	1
Calibration Signal	Resistors	15 kΩ	5% - 1/4 W	1206	1
		6,8 kΩ	5% - 1/4 W		1
Connection Indicator	Resistors	270 Ω	5% - 1/4 W		1
	Diode	LED	10 mA	5 mm	1
PCB	-	-	-	-	1
Power Supply	Inverting Converter	LM2776	-	SOT-23	1
	Capacitors	2,2 μF	5% - 25 V	Ceramic or multilayer - 1206	2
		1 μF	5% - 25 V		1