

Bill Of Materials for OscilloscopeProject

Design Title	OscilloscopeProject
Author	
Document Number	
Revision	
Design Created	Tuesday 18 February 2025
Design Last Modified	Thursday 24 April 2025
Total Parts In Design	83

0 Modules

Quantity	References	Value
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Sub-totals:

31 Capacitors

Quantity	References	Value
7	C1-C3,C9,C23-C25	1uF
2	C4-C5	100uF
8	C6,C8,C10,C27,C30-C33	100nF
4	C7,C11,C14,C26	10uF
2	C12-C13	27pF
1	C15	2.2pF
1	C16	6.8pF
1	C17	15pF
1	C18	10pF
1	C19	47pF
1	C20	100pF
1	C21	470pF
1	C22	680pF

Sub-totals:

28 Resistors

Quantity	References	Value
3	R1,R5,R11	680
2	R2,R6	2.2
1	R3	2k2
2	R4,R17	1k5
6	R7,R13,R18,R24,R27-R28	1k
2	R8,R20	10k
1	R9	11k
2	R10,R25	100
1	R12	1k1
1	R14	75k
1	R15	15k
1	R16	7k5
3	R19,R23,R26	20k
1	R21	2.7k
1	R22	5.1k

Sub-totals:

4 Integrated Circuits

Quantity	References	Value
1	U1	74HCT4052
1	U2	TLV272CP
1	U3	PIC18F24J50
1	U4	LM317L

Sub-totals:

3 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>
1	Q1	BC327
2	Q2-Q3	BC337

Sub-totals:

9 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>
7	D1-D4,D6-D8	DIODE
1	D5	DIODE-ZEN
1	D9	LED

Sub-totals:

8 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>
1	J1	USBCONN
1	J2	26630201RP2
1	J3	25630501RP2
2	L1-L2	100uH
1	RL	TSC-105D3H
1	RV1	5k
1	X1	CRYSTAL

Sub-totals:

Totals:

Thursday 24 April 2025 20:52:27