

Bill Of Materials for Boost Converter PID

Design Title Boost Converter PID
Author Salah Ud Din
Document Number 1
Revision 1
Design Created Sunday, December 10, 2023
Design Last Modified Sunday, December 10, 2023
Total Parts In Design 14

1 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>
1	C1	100uF

Sub-totals:

4 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>
1	R1	100
1	R2	40k
1	R3	10
1	R4	1k

Sub-totals:

3 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>
1	U1	RPI4
1	U2	IR2101
1	U3	MCP3004

Sub-totals:

1 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>
1	Q3	IRFZ44N

Sub-totals:

3 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>
1	D1	BAR28
1	D2	DIODE
1	D3	1N4728A

Sub-totals:

2 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>
1	L1	330uH
1	V1	5V

Sub-totals:

Totals:

Sunday, December 10, 2023 9:30:08 PM