

Bill Of Materials for mppt

Design Title mppt
Author
Document Number
Revision
Design Created 9, april, 2023
Design Last Modified 28, aug, 2024
Total Parts In Design 45

7 Capacitors

Quantity	References	Value
1	C1	1n
1	C2	470u
4	C3,C4,C5,C7	1000u
1	C6	100U

Sub-totals:

12 Resistors

Quantity	References	Value
1	R1	47k
2	R2,R10	100k
1	R3	1R
4	R4,R6,R12,R13	10k
1	R5	3k3
1	R7	1K
2	R9,R11	220k

Sub-totals:

6 Integrated Circuits

Quantity	References	Value
1	U1	PC817
2	U2,U4	ACS712
1	U3	MC34063
1	U5	ARDU NANO
1	U6	LM358

Sub-totals:

6 Transistors

Quantity	References	Value
4	Q1,Q2,Q3,Q4	IRFB4310
1	Q5	BC547
1	Q6	MJE13005

Sub-totals:

5 Diodes

Quantity	References	Value
1	D1	1N5809
2	D2,D3	MBR20100CT
2	D4,D5	1N4751B

Sub-totals:

9 Miscellaneous

Quantity	References	Value
1	BAT	BAT
3	DOWN,OK,UP	PUSH BUTTON
1	L1	330uH
1	L2	1mH
1	LCD1	2X16-I2C
1	PV	5k

Sub-totals:

Totals:
