

MPPT_BOM

Project: MPPT
 Tool: kicad
 Number of Parts 85

Reference	Quantity	Value	Distributor	Distributor #	Price	Extended Price
F1	1	Fiducial	DigiKey	NA		\$0.00
C29,C30	2	DNP	DigiKey	NA		\$0.00
C27	1	39pF	DigiKey	1276-1769-1-ND	\$0.10	\$0.10
C17,C18,C19,C20	4	1nF	DigiKey	399-1147-1-ND	\$0.10	\$0.40
C5,C6,C7,C8	4	100nF	DigiKey	399-1167-1-ND	\$0.11	\$0.44
C9,C10,C11,C12,C26	5	1uF	DigiKey	1276-1275-1-ND	\$0.10	\$0.50
C13,C14,C15,C16	4	4.7uF	DigiKey	490-3338-1-ND	\$0.17	\$0.68
C1,C2,C3,C4	4	10uF	DigiKey	587-1312-1-ND	\$0.17	\$0.68
C22,C23,C21,C24	4	10uF	DigiKey	490-3886-1-ND	\$0.20	\$0.80
C25	1	22uF	DigiKey	511-1506-1-ND	\$1.03	\$1.03
C28	1	68uF Tant	DigiKey	478-8414-1-ND	\$1.08	\$1.08
R13,R14,R15,R16	4	0.5, 2W	DigiKey	CRM2512-FX-R510ELFCT-ND	\$0.53	\$2.12
R26	1		49.9 DigiKey	P49.9CCT-ND	\$0.10	\$0.10
R5,R6,R1,R7,R8,R2,R9,R10,R3,R11,R12,R4	12	1k	DigiKey	P1.0KACT-ND	\$0.10	\$1.20
R28	1	49.9K	DigiKey	P49.9KCCT-ND	\$0.10	\$0.10
R20,R22,R24,R18	4	121K	DigiKey	311-121KCRCT-ND	\$0.10	\$0.40
R27	1	150K	DigiKey	P150KCCT-ND	\$0.10	\$0.10
R25	1	200K	DigiKey	P200KACT-ND	\$0.10	\$0.10
R19,R21,R23,R17	4	330K	DigiKey	311-330KCRCT-ND	\$0.10	\$0.40
H1,H2,H3,H4	4	Mounting_Hole	DigiKey	NA		\$0.00
L5	1	6.8uF	DigiKey	SRN6045-6R8YCT-ND	\$0.43	\$0.43
L1,L2,L3,L4	4	10uH	DigiKey	308-1666-1-ND	\$1.35	\$5.40
D5,D6,D8,D7	4	Diode-TVS	DigiKey	SMAJ5.0ALFCT-ND	\$0.43	\$1.72
D1,D2,D3,D4	4	1N5819	DigiKey	1N5819HW-FDICT-ND	\$0.52	\$2.08
D9	1	1N5819	DigiKey	1N5819HW-FDICT-ND	\$0.52	\$0.52
U1,U2,U3,U4	4	SPV1040	DigiKey	NA		\$0.00
U5	1	LMR61428	DigiKey	LMR61428XMM/NOPBCT-ND	\$1.87	\$1.87
P1	1	CONN_01X08	DigiKey	ED2615-ND	\$1.31	\$1.31
P3	1	CONN_01X02	DigiKey	NA		\$0.00
P2	1	CONN_01X03	DigiKey	952-2264-ND, S9001-ND	\$0.27	\$0.27
	1		OSH Park		\$13.78	\$13.78
TOTAL:						\$37.61