

solar_mppt1			
Qty	Reference(s)	Value	Footprint
2	C1, C3	22p	Capacitor_SMD:C_0603_1608Metric_Pad1.05x0.95mm_HandSolder
30	C2, C4, C6, C7, C8, C10, C11, C14, C15, C18, C19, C24, C29, C32, C33, C34, C35, C38, C42, C45, C47, C48, C49, C50, C51, C52, C54, C55, C57, C58	100n	Capacitor_SMD:C_0603_1608Metric_Pad1.05x0.95mm_HandSolder
6	C5, C17, C27, C36, C40, C56	10u	Capacitor_THT:CP_Radial_D5.0mm_P2.00mm
4	C9, C28, C30, C31	1000u	Capacitor_THT:CP_Radial_D10.0mm_P5.00mm
2	C12, C20	10n	Capacitor_SMD:C_0805_2012Metric_Pad1.15x1.40mm_HandSolder
2	C13, C21	1u	Capacitor_THT:CP_Radial_D5.0mm_P2.00mm
2	C16, C26	2.2u	Capacitor_SMD:C_0805_2012Metric_Pad1.15x1.40mm_HandSolder
1	C22	220n	Capacitor_THT:C_Rect_L7.0mm_W2.5mm_P5.00mm
2	C23, C25	1000u	Capacitor_THT:CP_Radial_D16.0mm_P7.50mm
1	C37	1u	Capacitor_SMD:C_0603_1608Metric_Pad1.05x0.95mm_HandSolder
4	C39, C41, C46, C59	10u	Capacitor_SMD:C_0805_2012Metric_Pad1.15x1.40mm_HandSolder
2	C43, C44	1nDNP	Capacitor_SMD:C_0603_1608Metric_Pad1.05x0.95mm_HandSolder
1	C53	1u	Capacitor_SMD:C_0805_2012Metric_Pad1.15x1.40mm_HandSolder
1	C60	DNP	Capacitor_SMD:C_0603_1608Metric_Pad1.05x0.95mm_HandSolder
2	D1, D3	LED_Dual_AACC	LED_SMD:LED_Cree-PLCC4_3.2x2.8mm_CCW
1	D2	50V	Diode_THT:D_5KPW_P7.62mm_Vertical_AnodeUp
1	D4	BAT54W	Package_TO_SOT_SMD:SOT-323_SC-70
1	D6	LED	LED_SMD:LED_0603_1608Metric_Pad1.05x0.95mm_HandSolder
1	D7	SB540	Diode_THT:D_DO-201AD_P5.08mm_Vertical_AnodeUp
2	F1, F2	10A	Fuse:Fuseholder_Cylinder-5x20mm_Stelvio-Kontek_PTF78_Horizontal_Open
1	FB1	Ferrite_Bead	solar_mppt1:FerriteBead
4	H1, H2, H3, H4	M3	MountingHole:MountingHole_3.2mm_M3_Pad_Via
1	J1	Screw_Terminal_01x08	TerminalBlock_Phoenix:TerminalBlock_Phoenix_MKDS-1,5-8-5.08_1x08_P5.08mm_Horizontal
1	J2	USB_B_Mini	Connector_USB:USB_Mini-B_Lumberg_2486_01_Horizontal
1	J3	S2	Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_Vertical
1	J4	S1	Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_Vertical
1	J5	AC_Charger	solar_mppt1:TerminalBlock_bornier-4_P5.08mm
1	J6	ICSP	Connector_IDC:IDC-Header_2x05_P2.54mm_Vertical
1	J7	UART	solar_mppt1:TerminalBlock_TE_282834-4_1x04_P2.54mm_Horizontal
1	JP1	5VExt	Jumper:SolderJumper-2_P1.3mm_Open_RoundedPad1.0x1.5mm
2	JP2, JP5	Jumper_NO_Small	Jumper:SolderJumper-2_P1.3mm_Open_RoundedPad1.0x1.5mm
1	JP3	Jumper_NC_Small	Jumper:SolderJumper-2_P1.3mm_Bridged_RoundedPad1.0x1.5mm
1	JP4	Jumper_3_Bridged12	Jumper:SolderJumper-3_P1.3mm_Bridged12_RoundedPad1.0x1.5mm
1	L1	L_Coupled	solar_mppt1:Choke_toroidal
1	L2	75µ	solar_mppt1:L_Toroid_Vertical_L26.7mm_W14.0mm_P10.16mm_Pulse_D
1	L4	100u	solar_mppt1:LPC4545
1	Q1	2N7000	Package_TO_SOT_THT:TO-92_Inline
1	Q2	2N7002	Package_TO_SOT_SMD:SOT-23
7	R1, R2, R5, R6, R10, R13, R34	470	Resistor_SMD:R_0603_1608Metric_Pad1.05x0.95mm_HandSolder
6	R3, R4, R7, R8, R12, R17	1k87	Resistor_SMD:R_0603_1608Metric_Pad1.05x0.95mm_HandSolder
3	R9, R11, R23	10k	Resistor_SMD:R_0805_2012Metric_Pad1.15x1.40mm_HandSolder
2	R14, R25	10m	Resistor_SMD:R_2512_6332Metric_Pad1.52x3.35mm_HandSolder
3	R15, R16, R18	100k	Resistor_SMD:R_0805_2012Metric_Pad1.15x1.40mm_HandSolder
2	R19, R20	1	Resistor_SMD:R_0805_2012Metric_Pad1.15x1.40mm_HandSolder
1	R21	5m	Resistor_THT:R_Bare_Metal_Element_L12.4mm_W4.8mm_P11.40mm
4	R22, R26, R27, R31	3k9	Resistor_SMD:R_0805_2012Metric_Pad1.15x1.40mm_HandSolder
1	R24	5mDNP	Resistor_THT:R_Bare_Metal_Element_L12.4mm_W4.8mm_P11.40mm
1	R28	DNP	Resistor_SMD:R_0805_2012Metric_Pad1.15x1.40mm_HandSolder
1	R30	21k	Resistor_SMD:R_0805_2012Metric_Pad1.15x1.40mm_HandSolder
2	R32, R33	22	Resistor_SMD:R_0805_2012Metric_Pad1.15x1.40mm_HandSolder
1	R35	DNP	Resistor_THT:R_Bare_Metal_Element_L12.4mm_W4.8mm_P11.40mm
1	R36	DNP	Resistor_SMD:R_2512_6332Metric_Pad1.52x3.35mm_HandSolder
1	RV1	R_POT	Potentiometer_THT:Potentiometer_Bourns_3299W_Vertical
3	SW1, SW2, SW3	TL3330AF130QG	solar_mppt1:TL3330
1	U1	ATmega32U4RC-AU	Package_QFP:TQFP-44_10x10mm_P0.8mm
2	U2, U5	MCP6C04T-100E_CHY	solar_mppt1:MCP6C04T-
1	U3	1461405-5	solar_mppt1:OJ-SH-112LM_relay
1	U4	MIC4605-1YM-TR	solar_mppt1:MIC4605-1YM-TR
3	U6, U7, U12	BUK766R0-60E	solar_mppt1:BUK766R0-60E
1	U8	LTC2944CDD-PBF	solar_mppt1:LTC2944CDD-PBF
1	U9	MCP16311MS	Package_SO:MSOP-8_3x3mm_P0.65mm
1	U10	MIC5011YM-TR	solar_mppt1:MIC5011YM-TR
1	U11	MIC5205-5.0YM5	Package_TO_SOT_SMD:SOT-23-5
1	Y1	16MHz	Crystal:Crystal_HC49-U_Vertical