

Reference	Value	Footprint	
C1	10uF	Capacitors_SMD:CP_Elec_4x4.5	
C2	1uF	Capacitors_SMD:C_0805	
C3	100nF	Capacitors_SMD:C_0805	
C4	100nF	Capacitors_SMD:C_0805	
C5	100nF	Capacitors_SMD:C_0805	
C6	100nF	Capacitors_SMD:C_0805	
C7	100nF	Capacitors_SMD:C_0805	
C8	10uF	Capacitors_SMD:CP_Elec_4x4.5	
C9	1uF	Capacitors_SMD:C_0805	
C10	100nF	Capacitors_SMD:C_0805	
C11	100nF	Capacitors_SMD:C_0805	
C12	100nF	Capacitors_SMD:C_0805	
C13	100nF	Capacitors_SMD:C_0805	
C14	100nF	Capacitors_SMD:C_0805	
C15	470n	Capacitors_SMD:C_0805	
C16	470n	Capacitors_SMD:C_0805	
C17	470n	Capacitors_SMD:C_0805	
C18	470n	Capacitors_SMD:C_0805	
C19	100nF	Capacitors_SMD:C_0805	
C20	100nF	Capacitors_SMD:C_0805	
C21	220p	Capacitors_SMD:C_0805	
C22	220p	Capacitors_SMD:C_0805	
C23	220p	Capacitors_SMD:C_0805	
C24	220p	Capacitors_SMD:C_0805	
D1	STPS1L30U	Diodes_SMD:D_SMB	
D2	STPS1L30U	Diodes_SMD:D_SMB	
D3	LM4040DBZ-5	TO_SOT_Packages_SMD:SOT-23	
D4	LM4040DBZ-2.5	TO_SOT_Packages_SMD:SOT-23	
D5	1N4148	Diodes_SMD:D_SOD-123	
D6	1N4148	Diodes_SMD:D_SOD-123	
D7	5V1	Diodes_SMD:D_SOD-123	
D8	LED	LEDs:LED_D3.0mm	
D9	1N4148	Diodes_SMD:D_SOD-123	
D10	1N4148	Diodes_SMD:D_SOD-123	
D11	5V1	Diodes_SMD:D_SOD-123	
D12	LED	LEDs:LED_D3.0mm	
D13	1N4148	Diodes_SMD:D_SOD-123	
D14	1N4148	Diodes_SMD:D_SOD-123	
D15	5V1	Diodes_SMD:D_SOD-123	
D16	LED	LEDs:LED_D3.0mm	
D17	1N4148	Diodes_SMD:D_SOD-123	
D18	1N4148	Diodes_SMD:D_SOD-123	
D19	5V1	Diodes_SMD:D_SOD-123	
D20	LED	LEDs:LED_D3.0mm	
J1	EURO_PWR_2x5	Pin_Headers:Pin_Header_Straight_2x05_Pitch2.54mm	
J2	PJ301M-12	Synth_Components:PJ301M-12	
J3	PJ301M-12	Synth_Components:PJ301M-12	
J4	PJ301M-12	Synth_Components:PJ301M-12	
J5	PJ301M-12	Synth_Components:PJ301M-12	
J6	PJ301M-12	Synth_Components:PJ301M-12	
J7	PJ301M-12	Synth_Components:PJ301M-12	
J8	PJ301M-12	Synth_Components:PJ301M-12	
J9	PJ301M-12	Synth_Components:PJ301M-12	
J10	PJ301M-12	Synth_Components:PJ301M-12	
J11	PJ301M-12	Synth_Components:PJ301M-12	
J12	PJ301M-12	Synth_Components:PJ301M-12	
J13	PJ301M-12	Synth_Components:PJ301M-12	
L1	BLM21PG221SN1D	Resistors_SMD:R_0805	
L2	BLM21PG221SN1D	Resistors_SMD:R_0805	
R1	4K7	Resistors_SMD:R_0805	
R2	3K	Resistors_SMD:R_0805	
R5	47K	Resistors_SMD:R_0805	
R6	10K	Resistors_SMD:R_0805	
R7	27K	Resistors_SMD:R_0805	
R10	10K	Resistors_SMD:R_0805	
R11	100K	Resistors_SMD:R_0805	

R12	36K	Resistors_SMD:R_0805	
R13	3K3	Resistors_SMD:R_0805	
R14	47K	Resistors_SMD:R_0805	
R15	1K	Resistors_SMD:R_0805	
R16	470R	Resistors_SMD:R_0805	
R17	82K	Resistors_SMD:R_0805	
R19	30K	Resistors_SMD:R_0805	
R20	47K	Resistors_SMD:R_0805	
R21	10K	Resistors_SMD:R_0805	
R22	27K	Resistors_SMD:R_0805	
R25	10K	Resistors_SMD:R_0805	
R26	100K	Resistors_SMD:R_0805	
R27	36K	Resistors_SMD:R_0805	
R28	3K3	Resistors_SMD:R_0805	
R29	47K	Resistors_SMD:R_0805	
R30	1K	Resistors_SMD:R_0805	
R31	470R	Resistors_SMD:R_0805	
R32	82K	Resistors_SMD:R_0805	
R34	30K	Resistors_SMD:R_0805	
R35	47K	Resistors_SMD:R_0805	
R36	10K	Resistors_SMD:R_0805	
R37	27K	Resistors_SMD:R_0805	
R40	10K	Resistors_SMD:R_0805	
R41	100K	Resistors_SMD:R_0805	
R42	36K	Resistors_SMD:R_0805	
R43	3K3	Resistors_SMD:R_0805	
R44	47K	Resistors_SMD:R_0805	
R45	1K	Resistors_SMD:R_0805	
R46	470R	Resistors_SMD:R_0805	
R47	82K	Resistors_SMD:R_0805	
R49	30K	Resistors_SMD:R_0805	
R50	47K	Resistors_SMD:R_0805	
R51	10K	Resistors_SMD:R_0805	
R52	27K	Resistors_SMD:R_0805	
R55	10K	Resistors_SMD:R_0805	
R56	100K	Resistors_SMD:R_0805	
R57	36K	Resistors_SMD:R_0805	
R58	3K3	Resistors_SMD:R_0805	
R59	47K	Resistors_SMD:R_0805	
R60	1K	Resistors_SMD:R_0805	
R61	470R	Resistors_SMD:R_0805	
R62	82K	Resistors_SMD:R_0805	
R64	30K	Resistors_SMD:R_0805	
R65	470R	Resistors_SMD:R_0805	
R66	470R	Resistors_SMD:R_0805	
R67	470R	Resistors_SMD:R_0805	
R68	470R	Resistors_SMD:R_0805	
RV1	5K	Potentiometers:Potentiometer_Trimmer_Bourns_3296W	
RV2	5K	Potentiometers:Potentiometer_Trimmer_Bourns_3296W	
RV3	5K	Potentiometers:Potentiometer_Trimmer_Bourns_3296W	
RV4	5K	Potentiometers:Potentiometer_Trimmer_Bourns_3296W	
RV5	1K	Potentiometers:Potentiometer_Trimmer_Bourns_3296W	
RV6	1K	Potentiometers:Potentiometer_Trimmer_Bourns_3296W	
RV7	1K	Potentiometers:Potentiometer_Trimmer_Bourns_3296W	
RV8	1K	Potentiometers:Potentiometer_Trimmer_Bourns_3296W	
SW1	SW_SPDT	Synth_Components:SPDT_TOGGLE_MINIATURE_PANEL	
SW2	SW_SPDT	Synth_Components:SPDT_TOGGLE_MINIATURE_PANEL	
SW3	SW_SPDT	Synth_Components:SPDT_TOGGLE_MINIATURE_PANEL	
SW4	SW_SPDT	Synth_Components:SPDT_TOGGLE_MINIATURE_PANEL	
U1	LM339	Housings_SOIC:SOIC-14_3.9x8.7mm_Pitch1.27mm	
U2	OPA4196	Housings_SOIC:SOIC-14_3.9x8.7mm_Pitch1.27mm	
U3	OPA4196	Housings_SOIC:SOIC-14_3.9x8.7mm_Pitch1.27mm	
U4	TLV2172	Housings_SOIC:SOIC-8_3.9x4.9mm_Pitch1.27mm	
U5	LM13700	Housings_SOIC:SOIC-16_3.9x9.9mm_Pitch1.27mm	
U6	LM13700	Housings_SOIC:SOIC-16_3.9x9.9mm_Pitch1.27mm	
U7	TLV2172	Housings_SOIC:SOIC-8_3.9x4.9mm_Pitch1.27mm	

Component	Count
10uF:Capacitors_SMD:CP_Elec_4x4.5	2
1uF:Capacitors_SMD:C_0805	2
100nF:Capacitors_SMD:C_0805	12
470n:Capacitors_SMD:C_0805	4
220p:Capacitors_SMD:C_0805	4
STPS1L30U:Diodes_SMD:D_SMB	2
LM4040DBZ-5:TO_SOT_Packages_SMD:SOT-23	1
LM4040DBZ-2.5:TO_SOT_Packages_SMD:SOT-23	1
1N4148:Diodes_SMD:D_SOD-123	8
5V1:Diodes_SMD:D_SOD-123	4
LED:LEDs:LED_D3.0mm	4
EURO_PWR_2x5:Pin_Headers:Pin_Header_Straight_2x05_Pitch2.54mm	1
PJ301M-12:Synth_Components:PJ301M-12	12
BLM21PG221SN1D:Resistors_SMD:R_0805	2
4K7:Resistors_SMD:R_0805	1
3K:Resistors_SMD:R_0805	1
47K:Resistors_SMD:R_0805	8
10K:Resistors_SMD:R_0805	8
27K:Resistors_SMD:R_0805	4
100K:Resistors_SMD:R_0805	4
36K:Resistors_SMD:R_0805	4
3K3:Resistors_SMD:R_0805	4
1K:Resistors_SMD:R_0805	4
470R:Resistors_SMD:R_0805	8
82K:Resistors_SMD:R_0805	4
30K:Resistors_SMD:R_0805	4
5K:Potentiometers:Potentiometer_Trimmer_Bourns_3296W	4
1K:Potentiometers:Potentiometer_Trimmer_Bourns_3296W	4
SW_SPDT:Synth_Components:SPDT_TOGGLE_MINIATURE_PANEL	4
LM339:Housings_SOIC:SOIC-14_3.9x8.7mm_Pitch1.27mm	1
OPA4196:Housings_SOIC:SOIC-14_3.9x8.7mm_Pitch1.27mm	2
TLV2172:Housings_SOIC:SOIC-8_3.9x4.9mm_Pitch1.27mm	1
LM13700:Housings_SOIC:SOIC-16_3.9x9.9mm_Pitch1.27mm	2