

Referenz	Wert	Footprint	Anzahl	Sonsitges
C1 C2 C6 C7 C8 C9 C10 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C28 C29 C30	47pF	C_0805_2012Metric	25	Capacitor 0805 47pF
C3 C5	100pF	C_0805_2012Metric	2	Capacitor 0805 100pF
C4 C11 C32 C33	1uF	C_0805_2012Metric	4	Capacitor 0805 1uF
D1	SP0503BAHT	SOT-143	1	SP0503BAHT SOT-143
D2	1N5819HW-7-F	SOD 123	1	1N5819HW-7-F SOD-123
D3	Led Smd 1206	LED_1206_3216Metric	1	Led Smd 1206
J1	Micro-B_Wuerth_629105150521	USB_Micro-B_Wuerth_629105150521_CircularHoles	1	USB B Micro-B_Wuerth_629105150521
J2 J4 J6	Stecker Messerleiste WSL 10G	SHDR10W64P254X254_2X5_2032X880X915P	3	Stecker Messerleiste WSL 10G
J3	Stecker Messerleiste WSL 10G	SHDR10W64P254X254_2X5_2032X880X915P	1	Stecker Messerleiste WSL 10G
J5	Stecker Messerleiste WSL 10G	SHDR10W64P254X254_2X5_2032X880X915P	1	Stecker Messerleiste WSL 10G
J7	Stecker Messerleiste WSL 10G	SHDR10W64P254X254_2X5_2032X880X915P	1	Stecker Messerleiste WSL 10G
Q1 Q2	BC817	SOT-23	2	BC817 SOT-23
R1 R2	22R	R_0805_2012Metric	2	Resistor 0805 22R
R13	2k2	R_0805_2012Metric	1	Resistor 0805 2k2
R14	22,1k	R_0805_2012Metric	1	Resistor 0805 22,1k
R15	47,5k	R_0805_2012Metric	1	Resistor 0805 47,5k
R3 R4 R8 R33 R34	10k	R_0805_2012Metric	5	Resistor 0805 10k
R35	1M	R_0805_2012Metric	1	Resistor 0805 1M
R36	330R	R_0805_2012Metric	1	Resistor 0805 330R
R5 R6 R7 R10 R12 R16 R17 R18 R19 R20 R21 R22 R23 R24 R25 R26 R27 R28 R29 R30 R31 R32	47R	R_0805_2012Metric	22	Resistor 0805 47R
R9 R11	4k7	R_0805_2012Metric	2	Resistor 0805 4k7
S1	B3SL-1002P	SW_SPST_B3SL-1002P	1	Button SMD B3SL-1002P
S2	B3SL-1002P	SW_SPST_B3SL-1002P	1	Button SMD B3SL-1002P
U1	CP2102N-A01-GQFN24	QFN-24-1EP_4x4mm_P0.5mm_EP2.6x2.6mm	1	CP2102N-A01-G QFN24
U2	EP32-WROOM-32D	ESP32-WROOM-32U	1	EP32-WROOM-32D
U3	AMS1117-3.3	SOT-223-3_TabPin2	1	AMS1117-3.3 SOT-223-3

Mainboard

Referenz	Wert	Footprint	Anzahl	Sonstiges
C1 C2 C3 C4 C5 C6 C7 C8 C9	10nF	C_0805_2012Metric	9	Capacitor 0805 10nF
J3	Stecker Messerleiste WSL 10G	SHDR10W64P254X254_2X5_2032X880X915P	1	Stecker Messerleiste WSL 10G
J1	Stecker Messerleiste WSL 10G	SHDR10W64P254X254_2X5_2032X880X915P	1	Stecker Messerleiste WSL 10G
J2 J4 J5 J6	TBL 127B p2	TBL_127B 2	4	TBL 127B p2
R5	100R	R_0805_2012Metric	1	Resistor 0805 100R
R_POT1	10K_Pot	Potentiometer_Bourns_PRS11S_Vertical	1	10K_Pot Bourns_PRS11S_Vertical
R1 R3 R6 R8	10k	R_0805_2012Metric	4	Resistor 0805 10k
R2 R9	1k6	R_0805_2012Metric	2	Resistor 0805 1k6
R4 R7	4k7	R_0805_2012Metric	2	Resistor 0805 4k7
U1 U2	AD8603	TSOT-23-5	2	AD8603 TSOT-23-5

Modul1

Referenz	Wert	Footprint	Anzahl	Sonstiges
C1 C2 C3 C4 C5	10nF	C_0805_2012Metric	5	Capacitor 0805 10nF
D1 D2 D3	Led THT d5mm	D_DO-15_P5.08mm_Vertical_KathodeUp	3	Led d5mm
J1	Stecker Messerleiste WSL 10G	SHDR10W64P254X254_2X5_2032X880X915P	1	Stecker Messerleiste WSL 10G
J2	Stecker Messerleiste WSL 10G	SHDR10W64P254X254_2X5_2032X880X915P	1	Stecker Messerleiste WSL 10G
J3	LCD Dobrovitz	LCD_dobrovitz	1	LCD Dobrovitz
Q1	BC817	SOT-23	1	BC817 SOT-23
R1 R2 R6 R8	10k	R_0805_2012Metric	4	Resistor 0805 10k
R3 R5 R7	220R	R_0805_2012Metric	3	Resistor 0805 220R
RV1	R_POT 10k	Potentiometer_Bourns_3314G_Vertical	1	R_POT 10k Bourns_3314G_Vertical
SW1 SW3 SW4	B077FH7TGD Taster	Druckschalter	3	B077FH7TGD Taster
U1	PCF8574	SOIC-16W_7.5x10.3mm_P1.27mm	1	PCF8574AT SOIC-16W

Modul 2

Referenz	Wert	Footprint	Anzahl	Sonstiges
C3 C4 C9 C10	100nF	C_0805_2012Metric	4	Capacitor 0805 100nF
C1 C2	10nF	C_0805_2012Metric	2	Capacitor 0805 10nF
C13 C14	10uF	CP_Radial_D5.0mm_P2.00mm	2	Capacitor 0805 10uF
C5 C6 C7 C8 C11 C12	1uF	C_0805_2012Metric	6	Capacitor 0805 1uF
D1 D2 D3 D4	1N4148	D_SOD-123	4	1N4148
J2	Stecker Messerleiste	WSISHDR10W64P254X254_2X5_2032X880X915P	1	Stecker Messerleiste WSL 10G
J3	Stecker Messerleiste	WSISHDR10W64P254X254_2X5_2032X880X915P	1	Stecker Messerleiste WSL 10G
J1 J5	TBL 127B p2	TBL_127B 2	2	TBL 127B p2
J4 J6	TBL 127B p3	TBL_127B 3	2	TBL 127B p3
K1 K2	Songle Relay TypC	Relay_SPDT_SANYOU_SRD_Series_Form_C	2	Songle Relay TypC
Q9 Q10	BC817	SOT-23	2	BC817 SOT-23
Q1 Q2 Q3 Q4	NVD5C454NT4G	TO-252-2	4	NVD5C454NT4G TO-252-2
R1 R2	100K	R_0805_2012Metric	2	Resistor 0805 100k
R3 R4	100R	R_0805_2012Metric	2	Resistor 0805 100R
R10 R11 R12 R14	10K	R_0805_2012Metric	4	Resistor 0805 10k
R9 R13	5K6	R_0805_2012Metric	2	Resistor 0805 5k6
SW1 SW2	SW_DIP_x01	Druckschalter	2	B077FH7TGD Taster
U1 U2	si8234bb	SOIC-16W_7.5x10.3mm_P1.27mm	2	si8234bb SOIC-16W

Modul3

Referenz	Wert	Footprint	Anzahl	Sonsitges
AC1	LIS3DHTR	XDCR_LIS3DHTR	1	LIS3DHTR LGA-16
C1 C4 C5 C6	1pF	C_0805_2012Metric	4	Capacitor 0805 1pF
C2 C3	47pF	C_0805_2012Metric	2	Capacitor 0805 1pF
IC1	OPT3001DNPR	OPT3001DNPR	1	OPT3001DNPR USON-6
J5	Stecker Messerleiste WSL 10G	SHDR10W64P254X254_2X5_2032X880X915P	1	Stecker Messerleiste WSL 10G
J4	Stecker Messerleiste WSL 10G	SHDR10W64P254X254_2X5_2032X880X915P	1	Stecker Messerleiste WSL 10G
J1	HC-SR04	XCVR_HC-SR04	1	HC-SR04
R3 R4	10K	R_0805_2012Metric	2	Resistor 0805 10k
R1 R2	47R	R_0805_2012Metric	2	Resistor 0805 47R
U1	Si7020-A20 DFN-6	DFN-6-1EP_3x3mm_P1mm_EP1.5x2.4mm	1	Si7020-A20 DFN_QFN

Modul4