

mainBoard a Light sensors v1.1

Označení komponenty	Počet	Hodnota/Typ	Footprint
AE1,	1	Antenna	mainBoard:ANT-868-CHP-T
BT1,	1	18650 holder	Connector_JST:JST_XH_B2B-XH-A_1x02_P2.50mm_Vertical
C1, C3, C4, C5, C7, C8, C11, C12, C13, C17, C18, C20,	12	100n	Capacitor_SMD:C_0603_1608Metric
C2, C9, C10, C14, C15,	5	22u	Capacitor_SMD:C_0805_2012Metric
C6, C22, C23,	3	1u	Capacitor_SMD:C_0805_2012Metric
C16,	1	1n	Capacitor_SMD:C_0805_2012Metric
C19, C21,	2	47u	Capacitor_SMD:CP_Elec_6.3x7.7
D1, D2, D3, D4,	4	LED	LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder
F1,	1	Polyfuse	Fuse:Fuse_1812_4532Metric_Pad1.30x3.40mm_HandSolder
J1,	1	PWR_LIGHT	Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_Vertical
J2,	1	I2C	Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Vertical
J3,	1	PWR_LIGHT	Connector_PinSocket_2.54mm:PinSocket_1x03_P2.54mm_Vertical
J5,	1	I2C	Connector_PinSocket_2.54mm:PinSocket_1x02_P2.54mm_Vertical
J8,	1	PMS5003	Connector_Molex:Molex_PicoBlade_53048-0810_1x08_P1.25mm_Horizontal
J9,	1	BAT-	mainBoard:2mm_Banana-Socket
J10,	1	BAT+	mainBoard:2mm_Banana-Socket
J15,	1	U.FL	Connector_Coaxial:U.FL_Hirose_U.FL-R-SMT-1_Vertical
L1,	1	22u	Inductor_SMD:L_Coilcraft_LPS4018
Q1, Q2,	2	MMBT3904	Package_TO_SOT_SMD:SOT-23
Q3, Q5, Q9, Q10, Q12, Q14,	6	AO3401A	Package_TO_SOT_SMD:SOT-23
Q4, Q6, Q7, Q8, Q11, Q13, Q15,	7	2N7002	Package_TO_SOT_SMD:SOT-23
R1, R2,	2	R	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R3, R4, R5,	3	1k	Resistor_SMD:R_0805_2012Metric
R6, R8, R10,	3	10k	Resistor_SMD:R_0805_2012Metric
R7, R9, R11, R12, R18, R19,	6	220	Resistor_SMD:R_0805_2012Metric
R13, R17, R20, R22, R23, R24, R25, R26, R27, R28, R30, R31, R33, R36, R39, R40, R41, R42,	18	100k	Resistor_SMD:R_0805_2012Metric
R14, R16,	2	3k3	Resistor_SMD:R_0805_2012Metric
R15,	1	330	Resistor_SMD:R_0805_2012Metric
R21,	1	R	Resistor_SMD:R_0805_2012Metric
R29,	1	2M2	Resistor_SMD:R_0805_2012Metric
R32,	1	10M	Resistor_SMD:R_0805_2012Metric
SW1,	1	PWR_ON	Button_Switch_THT:SW_PUSH_6mm
SW2,	1	PWR_OFF	Button_Switch_THT:SW_PUSH_6mm
SW3,	1	RESET	Button_Switch_THT:SW_PUSH_6mm
SW4,	1	SW_Push	Button_Switch_THT:SW_PUSH_6mm
U1,	1	ESP32-WROOM-32	RF_Module:ESP32-WROOM-32
U2,	1	MCP3202-BI/SN	Package_SO:SOIC-8_3.9x4.9mm_P1.27mm
U3,	1	AMS1117-3.3	Package_TO_SOT_SMD:SOT-223-3_TabPin2
U4,	1	VEML7700	mainBoard:VEML7700
U5,	1	RFM95W-868S2	RF_Module:HOPERF_RFM9XW_SMD
U6,	1	ML8511	mainBoard:ML8511
U7,	1	BMP388	mainBoard:BMP388
U8,	1	SGP30	mainBoard:SGP30
U9,	1	SHT40	mainBoard:SHT40
U10,	1	AP1603	Package_TO_SOT_SMD:SOT-23-6_Handsoldering
U11,	1	NCP115ASN180T2G	Package_SO:TSOP-5_1.65x3.05mm_P0.95mm