

environment-sensor

Reference	Value	Footprint
U1	ATMEGA32U4-AU	Housings_QFP:TQFP-44_10x10mm_Pitch0.8mm
C2	12p	Capacitors_SMD:C_0603
C3	12p	Capacitors_SMD:C_0603
R1	10k	Resistors_SMD:R_1206
P2	ICSP	Pin_Headers:Pin_Header_Straight_2x03
P3	JTAG	Pin_Headers:Pin_Header_Straight_2x05_Pitch1.27mm
R5	10k	Resistors_SMD:R_1206
L1	Würth WE-CBF	Choke_SMD:Choke_SMD_1206_Standard
R8	10k	Resistors_SMD:R_1206
C12	100n	Capacitors_SMD:C_1206
C5	100n	Capacitors_SMD:C_1206
C7	100n	Capacitors_SMD:C_1206
C8	100n	Capacitors_SMD:C_1206
C9	100n	Capacitors_SMD:C_1206
C10	100n	Capacitors_SMD:C_1206
C6	10u	Capacitors_ThroughHole:C_Radial_D5_L11_P2
C11	10u	Capacitors_ThroughHole:C_Radial_D5_L11_P2
D1	Status 1	Connectors_Molex:Molex_KK-6410-02_02x2.54mm_Straight
D2	Status 2	Connectors_Molex:Molex_KK-6410-02_02x2.54mm_Straight
R6	180R	Resistors_SMD:R_1206
R7	180R	Resistors_SMD:R_1206
X1	16MHZ	Crystals:crystal_FA238-TSX3225
R4	1M	Resistors_SMD:R_1206
SW1	Reset	Buttons_Switches_SMD:SW_SPST_B3SL-1002P
P1	USB_OTG	Connect:USB_Micro-B_10103594-0001LF
L2	Würth WE-CBF	Choke_SMD:Choke_SMD_1206_Standard
C4	1u	Capacitors_ThroughHole:C_Radial_D5_L11_P2
R2	22R	Resistors_SMD:R_1206
R3	22R	Resistors_SMD:R_1206
C1	10u	Capacitors_ThroughHole:C_Radial_D5_L11_P2
U2	W5500	Housings_QFP:LQFP-48_7x7mm_Pitch0.5mm
C21	100n	Capacitors_SMD:C_1206
C18	10u	Capacitors_ThroughHole:C_Radial_D5_L11_P2
C22	10n	Capacitors_SMD:C_1206
C23	4u7	Capacitors_ThroughHole:C_Radial_D5_L11_P2
C15	100n	Capacitors_SMD:C_1206
C16	100n	Capacitors_SMD:C_1206
C17	100n	Capacitors_SMD:C_1206
C19	100n	Capacitors_SMD:C_1206
C20	100n	Capacitors_SMD:C_1206
C13	10u	Capacitors_ThroughHole:C_Radial_D5_L11_P2
R13	12k4/1%	Resistors_SMD:R_1206
C24	10p	Capacitors_SMD:C_0603
C25	10p	Capacitors_SMD:C_0603
R11	10k	Resistors_SMD:R_1206
R32	330R	Resistors_SMD:R_1206
R31	330R	Resistors_SMD:R_1206
R16	0R	Resistors_SMD:R_1206
R24	0R	Resistors_SMD:R_1206
R17	0R	Resistors_SMD:R_1206
R25	0R	Resistors_SMD:R_1206
R27	49R9/1%	Resistors_SMD:R_1206

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R26	49R9/1%	Resistors_SMD:R_1206
R28	10R/1%	Resistors_SMD:R_1206
C26	22n	Capacitors_SMD:C_1206
C28	6.8n	Capacitors_SMD:C_1206
C29	6.8n	Capacitors_SMD:C_1206
R29	49R9/1%	Resistors_SMD:R_1206
R30	49R9/1%	Resistors_SMD:R_1206
C27	10n	Capacitors_SMD:C_1206
R14	10k	Resistors_SMD:R_1206
R15	10k	Resistors_SMD:R_1206
R23	10k	Resistors_SMD:R_1206
L3	Würth WE-CBF	Choke_SMD:Choke_SMD_1206_Standard
C14	100n	Capacitors_SMD:C_1206
X2	25MHz	Crystals:crystal_FA238-TSX3225
R12	1M	Resistors_SMD:R_1206
R10	10k	Resistors_SMD:R_1206
R18	10k	Resistors_SMD:R_1206
R19	10k	Resistors_SMD:R_1206
R20	10k	Resistors_SMD:R_1206
R21	10k	Resistors_SMD:R_1206
R22	10k	Resistors_SMD:R_1206
R9	10k	Resistors_SMD:R_1206
J1	J1B1211CCD	Cetus_RJ45:Cetus_J1B1211CCD
C30	1n/2kV	Capacitors_SMD:C_1206
R40	330R	Resistors_SMD:R_1206
R41	330R	Resistors_SMD:R_1206
R42	330R	Resistors_SMD:R_1206
R43	330R	Resistors_SMD:R_1206
D6	ACTLED	LEDs:LED_0805
D5	DUPLED	LEDs:LED_0805
D4	SPDLED	LEDs:LED_0805
D3	LINKLED	LEDs:LED_0805
U3	Bosch_BME280	Bosch_Environment_Sensor:Bosch_BME280_LGA-8
C32	100n	Capacitors_SMD:C_1206
R35	4k7	Resistors_SMD:R_1206
R34	4k7	Resistors_SMD:R_1206
C31	100n	Capacitors_SMD:C_1206
L4	Würth WE-CBF	Choke_SMD:Choke_SMD_1206_Standard
P5	PPD42	Connectors_Molex:Molex_KK-6410-05_05x2.54mm_Straight
C34	100n	Capacitors_SMD:C_1206
C33	10u	Capacitors_ThroughHole:C_Radial_D5_L11_P2
R38	10k	Resistors_SMD:R_1206
R36	10k	Resistors_SMD:R_1206
R39	10k	Resistors_SMD:R_1206
R37	10k	Resistors_SMD:R_1206
P4	NSL-19M51	TO_SOT_Packages_THT:TO-18_2Pin
R33	10k	Resistors_SMD:R_1206
P6	POWER	Terminal_Blocks:TerminalBlock_Pheonix_MKDS1.5-2pol
C35	10u	Capacitors_ThroughHole:C_Radial_D5_L11_P2
C37	10u	Capacitors_ThroughHole:C_Radial_D5_L11_P2
W2	TEST_3V3	Connect:PINTST
W1	TEST_5V	Connect:PINTST
W3	TEST_GND	Connect:PINTST

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U4	LT1761-5	TO_SOT_Packages_SMD:SOT-23-5
C36	10n	Capacitors_SMD:C_1206
U5	LT1761-3.3	TO_SOT_Packages_SMD:SOT-23-5
C38	10n	Capacitors_SMD:C_1206
C39	10u	Capacitors_ThroughHole:C_Radial_D5_L11_P2