

# Перечень компонентнов Ethernet-RS485 шлюза (BOM)

Описание	Наименование	Количество
Ceramic capacitor, 100pF, X7R, ±10%, 16V, 0603, -55...+125°C	C1	1
Ceramic capacitor, 100nF, Y5V, ±10%, 50V, 0603, -55...+125°C	C2, C3, C4, C5, C6	5
Ceramic capacitor, 20pF, X7R, ±10%, 6V, 0603, -55...+125°C	C7, C9	2
Ceramic capacitor, 12pF, C0G, ±5%, 50V, 0603, -55...+125°C	C8, C10	2
Ceramic capacitor, 1µF, X5R, ±10%, 16V, 0603, -55...+125°C	C11	1
Ceramic capacitor, 4.7µF, X5R, ±10%, 6.3V, 0603, -55...+125°C	C12	1
Ceramic capacitor, 6.8nF, X7R, ±10%, 50V, 0805, -55...+125°C	C13, C14	2
Ceramic capacitor, 10nF, X7R, ±10%, 25V, 0603, -55...+125°C	C15	1
Ceramic capacitor, 18pF, C0G, ±5%, 50V, 0603, -55...+125°C	C16, C17	2
Tantalum capacitor, 10µF, 16V, ±10%, 0.50hm, case B (3528), -55...+125°C	C18	1
Ceramic capacitor, 0.1µF, Y5V, ±20%, 50V, 0603, -20...+80°C	C19, C22, C24, C25	4
Ceramic capacitor, 22nF, X7R, ±10%, 16V, 0603, -55...+125°C	C20	1
Ceramic capacitor, 4.7µF, X7R, ±10%, 6.3V, 0603, -55...+125°C	C21	1
Ceramic capacitor, 10nF, X7R, ±10%, 16V, 0603, -55...+125°C	C23	1
Tantalum capacitor, 100µF, 6.3V, ±20%, , case B (3528), -55...+125°C	C26, C27	2
DC/DC converter, isolator, 5V 200mA, -40...+105°C, SIP-4	D1	1
IC RS485 transceiver, 16Mbps, Half-duplex, 4.5...5.5V, -40...+85°C, 8-SOIC	D2	1
ISO7321CDR	D3	1
IC microcontroller, 32-Bit, Cortex-M3, 72MHz, 64KB, 20KB, 2...3.6V, -40...+85°C, 48-LQFP	D4	1
IC memory, EEPROM, 64KB (8192x8), 400 kHz, I2C, 1.7...5.5V, -40...+85°C, 8-SOIC	D5	1
Linear voltage regulator, input 3.9...18V, 0.6V, output 3.3V, 1.2A, -40...+85°C, SOT223	D6	1
RGB led: 3528	D7	1
HDC1080DMBR	IC1	1
W5500	IC2	1
Filter beads, 0603, 1A, -55...+125°C	L1	1
Resistor film, 120R, ±0.1%, 1206, 0.1W, -55...+125°C	R2	1
Resistor film, 4.7k, ±5%, 0603, 0.1W, -55...+125°C	R3, R6	2
Resistor film, 1k, ±5%, 0603, 0.1W, -55...+125°C	R4, R20, R21	3
Resistor film, 10k, ±5%, 0603, 0.1W, -55...+125°C	R5, R25, R27, R28, R29	5
Resistor film, 1.5k, , 0603, 0.1W, -55...+125°C	R7	1
Resistor film, 18R, , 0603, 0.1W, -55...+125°C	R8, R9	2
Resistor film, 1M, ±1%, 0603, 1/16W, -55...+125°C	R10	1
Resistor film, 49R9, ±1%, 0603, 0.1W, -55...+125°C	R11, R12, R17, R18	4
Resistor film, 0R, ±5%, 0603, 0.1W, -55...+125°C	R13, R14, R15, R16	4
Resistor film, 10R, ±0.5%, 0603, 0.1W, -55...+125°C	R19	1
Resistor film, 470R, ±5%, 0603, 0.1W, -55...+125°C	R22, R23, R24	3
Resistor film, 12.4K, ±0.1%, 0603, 1/16W, -55...+125°C	R26	1
Resistor film, 1M, ±5%, 0603, 0.1W, -55...+125°C	R30	1
Resistor film, 4.7k, ±5%, 0805, 0.125W, -55...+125°C	R31, R32	2
Tactile button, 6x6mm	SB1	1
Zener diode, 12A, SOT-23, -55...+150°C	VD1	1
LED, 0603, Blue	VD2	1
Schottky diode, 40V, 3A, 0.7V, , SMA(DO-214AC), -55...+150°C	VD3	1
Connector, 3pin, 9.53mm, 300VAC, 25A	X1	1
Connector, 4pin, 9.53mm, 300VAC, 25A	X2, X3, X8, X9, X10, X12	6
Connector, 2pin, 2.54mm, 500VAC, 3A	X4	1
USB micro B	X5	1
Connector, 3pin, 9.53mm, 300VAC, 25A	X6, X11	2
Etherner RJ-45 connector	X7	1
Crystal, 8MHz, 20pF, ±10ppm, case 3225, -40...+85°C	Z1	1
Crystal, 32.768kHz, 12.5pF, ±20ppm, case 3215, -40...+85°C	Z2	1
Crystal, 25MHz, 18pF, ±10ppm, case 3225, -30...+85°C	Z3	1
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