

Type	Id	Package	Description	Quantity	Manufacturer code	Supplier URL	Notes					
Capacitors	C1	0805	Ceramic X7R 1µF 50V	1	CC0805KKX7R9BB105	https://www.electronshik.ru/item/YAG/CC0805KKX7R9BB105						
	C2	A	Tantalum 4.7µF 16V	1	293D475X9016A2TE3	https://www.electronshik.ru/item/VISHAY/293D475X9016A2TE3						
	C3-C15	0603	Ceramic X7R 100nF 50V	13	CC0603KRX7R9BB104	https://www.electronshik.ru/item/YAG/CC0603KRX7R9BB104						
LEDs							All LEDs are optional.					
	LED1	0603	Green; Vf=3.0-3.2V	1		https://aliexpress.ru/item/CHANZON-100pcs-5-colors-x-20pcs-0603-1608-SMD-LED-Chip-Assorted-Kit-20mA-Blue-Red/32339432382.html						
	LED2	0603	Blue; Vf=3.0-3.2V	1		https://aliexpress.ru/item/CHANZON-100pcs-5-colors-x-20pcs-0603-1608-SMD-LED-Chip-Assorted-Kit-20mA-Blue-Red/32339432382.html						
Resistors												
	R1,R11	0603	100	2	RC0603JR-07100RL	https://www.electronshik.ru/item/YAG/RC0603JR-07100RL	Optional, required for LED1, LED3					
	R2	0603	100k	1	RC0603JR-10100KL	https://www.electronshik.ru/item/YAG/RC0603JR-10100KL						
	R3,R4,R5,R6,R7,R8,R9,R10	0402	4.7k	8	RC0402JR-074K7L	https://www.electronshik.ru/item/YAG/RC0402JR-074K7L						
	R12	0603	4.7k	1	RC0603JR-074K7L	https://www.electronshik.ru/item/YAG/RC0603JR-074K7L						
ICs												
	U1	SOT-23-5	3.3V linear positive voltage	1	TPS76333DBVR	https://www.electronshik.ru/item/TI/TPS76333DBVR						
	U2,U3,U4	TSSOP-20	Octal bus transceiver	3	74LVC245APW	https://www.electronshik.ru/item/NEX-NXP/74LVC245APW.118						
	U5	TSSOP-24	Octal dual-supply bus trans	1	SN74LVC8T245PWR	https://www.electronshik.ru/item/TI/SN74LVC8T245PWR						
	U6	TSSOP-16	3-to-8 line decoder/demultip	1	74VHC138FTBJ	https://www.electronshik.ru/item/TOS/74VHC138FTBJ						
	U7,U11	SOT-23-5	2-Input OR single logic gate	2	SN74LVC1G32DBVR	https://www.electronshik.ru/item/TI/SN74LVC1G32DBVR						
	U8	SSOP-8	Single positive-edge-trigger	1	SN74LVC2G74DCTR	https://www.electronshik.ru/item/TI/SN74LVC2G74DCTR						
	U9	SOT-23	Supervisor/Reset IC	1	STM809LWX6F	https://www.electronshik.ru/item/ST/STM809LWX6F						
	U10	SOT-23-5	Single inverter	1	74LVC1G04GV	https://www.electronshik.ru/item/NEX-NXP/74LVC1G04GV.125						
	U12	TSSOP-II-44	4Mbit parallel FRAM	1	FM22L16-55-TG	https://www.electronshik.ru/item/CYPR/FM22L16-55-TG						