

Part	Value	Description	Manufacturer Part Num	Purchase Link
C1	.1uF	555 timer decouple cap	C0805C104J5RAC	https://www.mouser.com/ProductDetail/KEMET/C0805C104J5RAC?qs=r%2FvNmO8Tj7NnSJCDQvplg%3D%3D
C2	.1uF	555 timer timing cap	C0805C104J5RAC	https://www.mouser.com/ProductDetail/KEMET/C0805C104J5RAC?qs=r%2FvNmO8Tj7NnSJCDQvplg%3D%3D
C3	10nF	555 timer CV cap	C0805C103J5RAC7210	https://www.mouser.com/ProductDetail/KEMET/C0805C103J5RAC7210?qs=r%2FvNmO8Tj51ppmyleF1d%3D%3D
C4	.1uF	rs485 transceiver decoupling cap	C0805C104J5RAC	https://www.mouser.com/ProductDetail/KEMET/C0805C104J5RAC?qs=r%2FvNmO8Tj7NnSJCDQvplg%3D%3D
IC1	555 Timer	RS485 auto enable driver timer	NE555DR	https://www.mouser.com/ProductDetail/?qs=gb35HGp1gQJ5U8ZthvoVQ%3D%3D
IC2	RS485 Transciev	RS-485 Interface IC	THVD1428DR	https://www.mouser.com/ProductDetail/Texas-Instruments/THVD1428DR?qs=TIOZkKH1s2SLJsGaZSN%2FJA%3D%3D
Logic Shifter		Logic Level Shift	Logic Level Shifter, 4-Channel, Bidirectional	https://www.pololu.com/product/2595
TX	Green LED	TX activity/driver enabled indicator LED	HLMP-1790	https://www.mouser.com/ProductDetail/Broadcom-Avago/HLMP-1790?qs=Jt9z6tsfNn7DUeN%2FWQOFQ%3D%3D
R1	910	Driver Enable Timing Resistor	KTR10EZPF9100	https://www.mouser.com/ProductDetail/ROHM-Semiconductor/KTR10EZPF9100?qs=493kPxxlxlZs5Z6ilJd1A%3D%3D
R2	10k	555 Output Pullup	KTR10EZPF1002	https://www.mouser.com/ProductDetail/ROHM-Semiconductor/KTR10EZPF1002?qs=DyUWGjl%252BcVt9YFvbj3Whfg%3D%3D
R4	120	RS485 termination resistor	KTR10EZPF1200	https://www.mouser.com/ProductDetail/ROHM-Semiconductor/KTR10EZPF1200?qs=493kPxxlxl5wHxRfFe6rdg%3D%3D
R6	732	Current Limiting Resistor for TX LED	KTR10EZPF7320	https://www.mouser.com/ProductDetail/ROHM-Semiconductor/KTR10EZPF7320?qs=493kPxxlxl%2Fya9a5jG7XQ%3D%3D
R3	10k	TX Pullup	KTR10EZPF1002	https://www.mouser.com/ProductDetail/ROHM-Semiconductor/KTR10EZPF1002?qs=DyUWGjl%252BcVt9YFvbj3Whfg%3D%3D
R5	10k	RX Pullup	KTR10EZPF1002	https://www.mouser.com/ProductDetail/ROHM-Semiconductor/KTR10EZPF1002?qs=DyUWGjl%252BcVt9YFvbj3Whfg%3D%3D
RS485 Con	2 pos	RS485 connector	282841-2	https://www.mouser.com/QuickViewProdDetail.aspx?PartNum=571-2828412&KeepThis=true&TB_iframe=true&height=375&width=530&QuickView=true