

Pin 2 must be tied to ground on the MIDI transmitter only.

The buffer between the UART transmitter and R_C is optional and system-dependent.

The UART is configured with 8 data bits, no parity, and 1 stop bit, or 8-N-1.

The resistor values depend on the transmission signaling voltage, V_{TX} , as detailed below.

The optional ferrite beads are 1k-ohm at 100MHz such as MMZ1608Y102BT or similar.

V_{TX}	+5V \pm 10%	+3.3V \pm 5%
R_A	220 Ω 5% 0.25W	33 Ω 5% 0.5W
R_C	220 Ω 5% 0.25W	10 Ω 5% 0.25W

Figure 1 – MIDI OUT Circuit

src: <https://www.midi.org/specifications-old/item/midi-din-electrical-specification>
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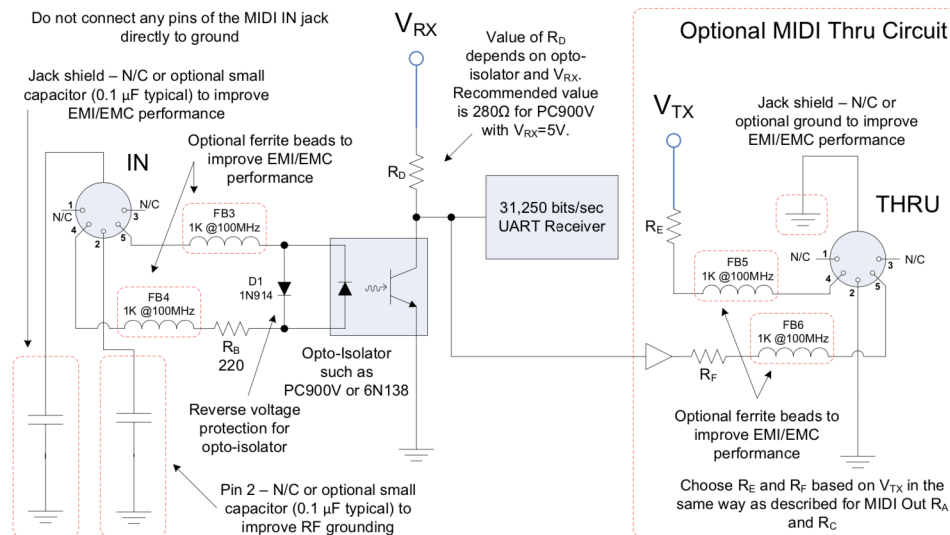
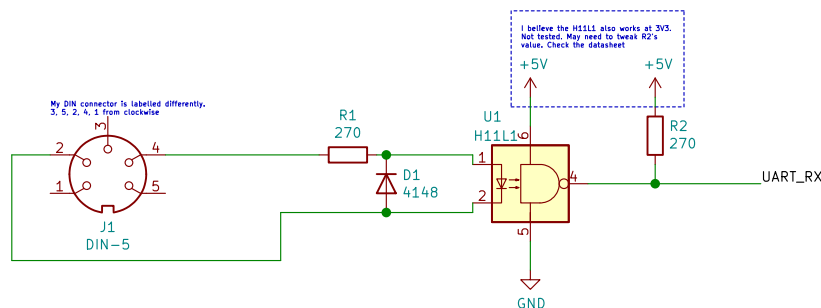


Figure 2 – MIDI IN and THRU circuit



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