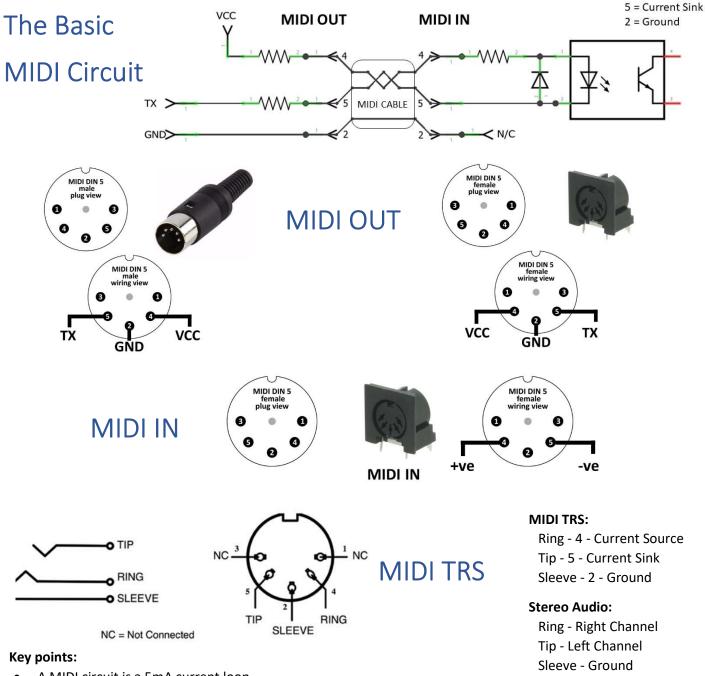
Simple DIY Electronic Music Project



- A MIDI circuit is a 5mA current loop.
- The MIDI IN circuit is opto-isolated.
- When TX pulls LOW in TX, current flows through the opto-isolator in RX.
- Cables are a shielded twisted pair.
- Cable shield is connected at both ends in the plugs.
- Only the OUT socket is connected to GND.
- The extra diode is protection against getting the wiring wrong!

For a detailed but accessible analysis of the MIDI circuit operation see Notes and Volts "MIDI For the Arduino"

4 = Current Source

https://www.notesandvolts.com/2014/11/midi-and-arduino-circuit-analysis.html

MIDI Manufacturers Association / Association of Musical Electronics Industry MMA Technical Standards Board / AMEI MIDI Committee

- CA-033 MIDI 1.0 Electrical Specification Update (2014)
- RP-054 Letter of Agreement for Recommended Practice Specification for use of TRS Connectors with MIDI Devices (2018)