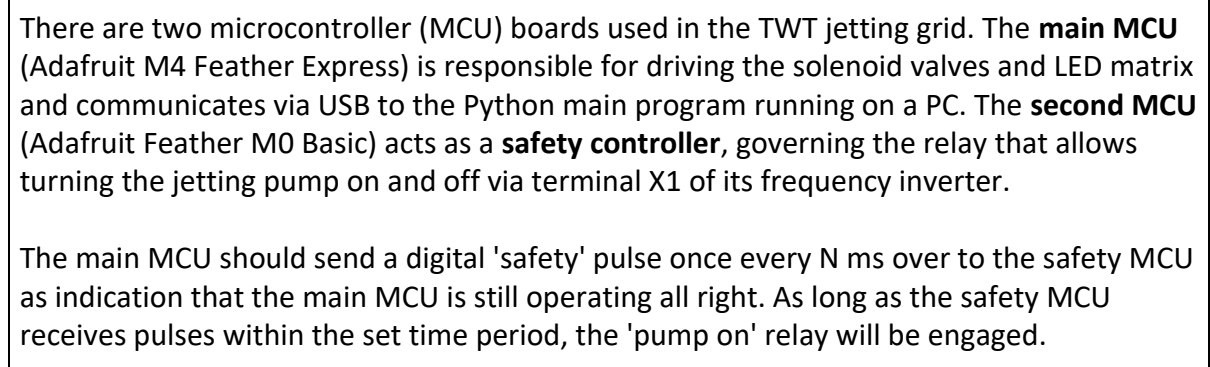


**Purpose:** Control 112 solenoid valves @ 24 V by a single Arduino. We will use two Centipede boards (only one shown), each providing 64 digital outputs controlled over I2C. Each Centipede board will have 4 Sanwo MOSFET boards connected to them, each providing 16 channels. Hence, there is a total of 8 Sanwo MOSFET boards to control in total 112 (max 128) solenoid valves. We will work in groups of 14, because 8x14=112. Also, each of the 4 sides of the tunnel will house 2x14=28 valves. Cable management is easier this way. Hence, instead of populating all 16 channels per MOSFET board, we occupy only the first 14.



title : Circuit diagram `Sanwo 16 channel MOSFET board`  
author : Dennis van Gils  
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