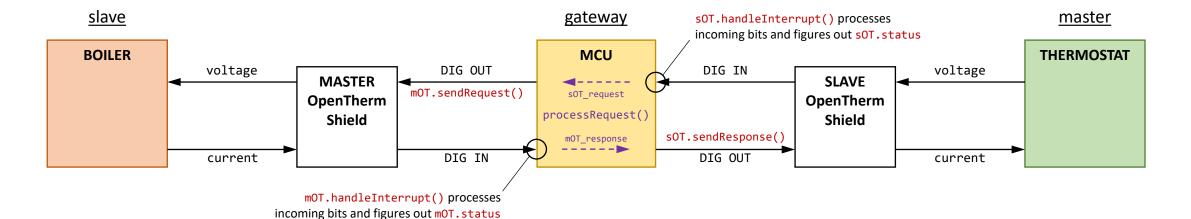
## Schematic: DIYLESS OpenTherm shields and code flow

Dennis van Gils, 15-01-2023



## Code excerpt for gateway:

```
#include <Arduino.h>
#include <OpenTherm.h>
OpenTherm mOT(mInPin, mOutPin);
OpenTherm sOT(sInPin, sOutPin, true); // Manages Slave OpenTherm Shield
void ICACHE_RAM_ATTR mHandleInterrupt() { mOT.handleInterrupt(); }
void ICACHE_RAM_ATTR sHandleInterrupt() { sOT.handleInterrupt(); }
void processRequest(unsigned long sOT_request,
                    OpenThermResponseStatus sOT_status) {
 // Send the intercepted thermostat request further downstream to the boiler
 unsigned long mOT_response = mOT.sendRequest(sOT_request);
 if (mOT_response) {
   // A boiler response is waiting to be processed. Send this intercepted
    sOT.sendResponse(mOT_response);
void setup() {
 mOT.begin(mHandleInterrupt);
 sOT.begin(sHandleInterrupt, processRequest);
void loop() {
 s0T.process();
```