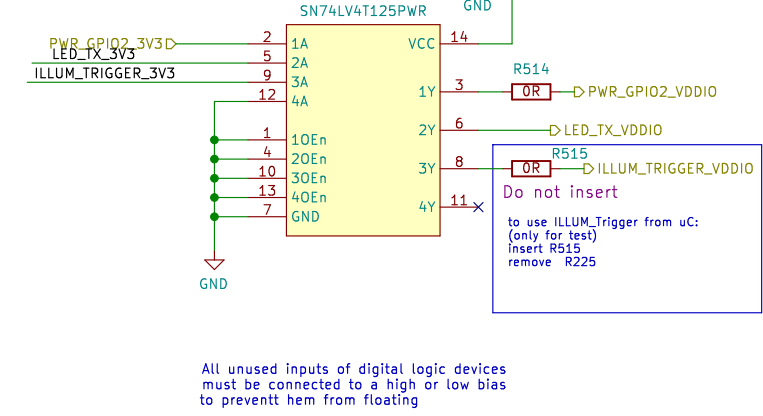
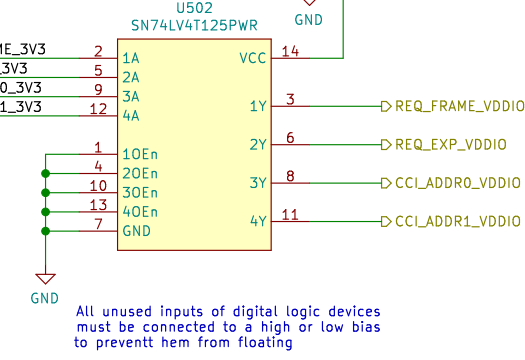
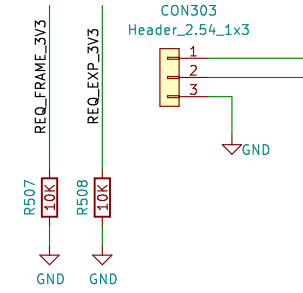
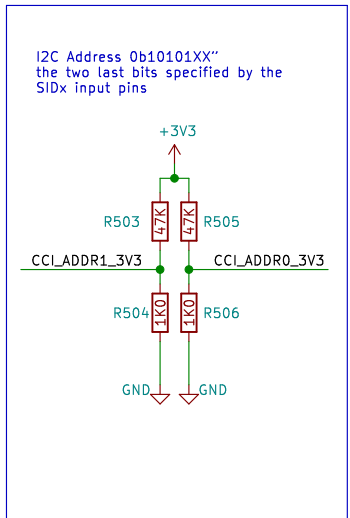
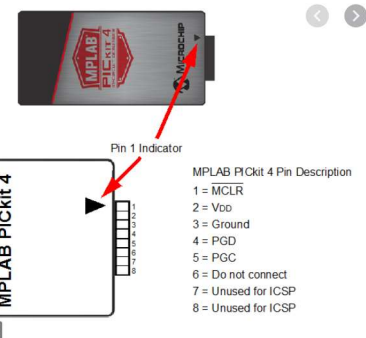
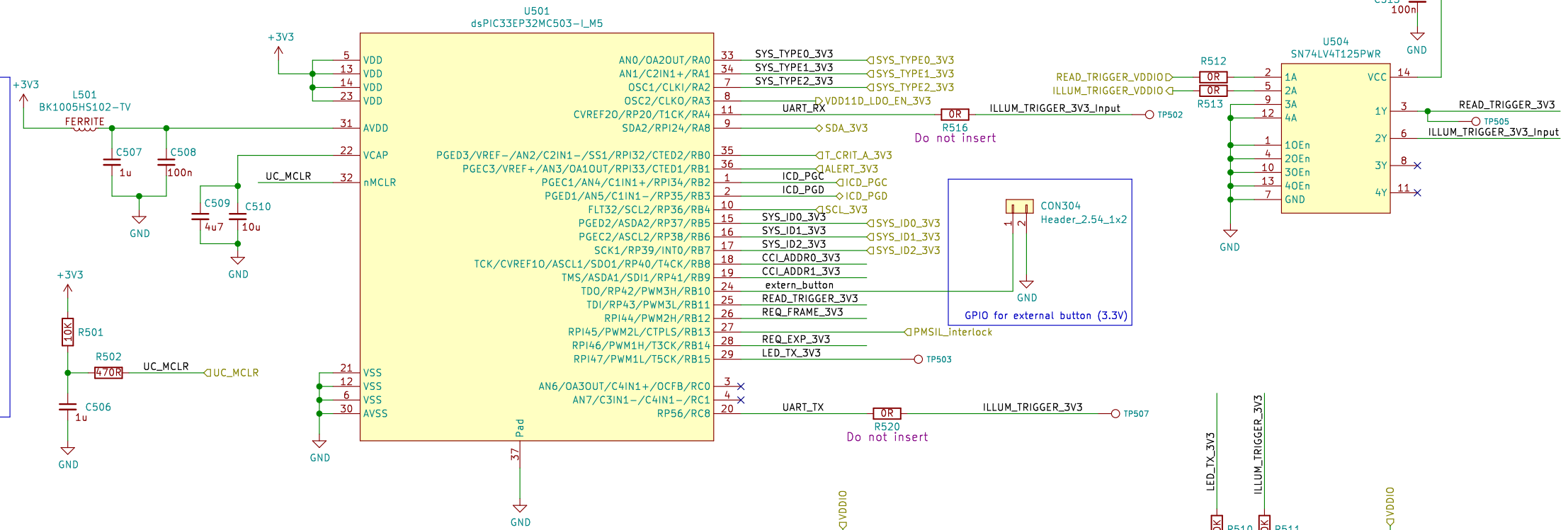


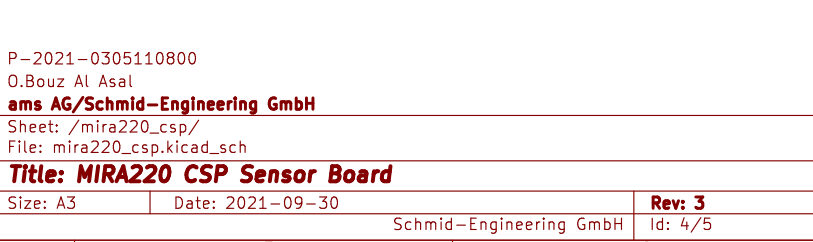
The microcontroller will be used with a standard firmware (same for all sensors) to do the following:

- \* Programmable BoardID and serial number
- \* User programmable non volatile memory
- \* GPIO expander
- \* External sync generator (FRAME\_REQ and FRAME\_TRIGGER)

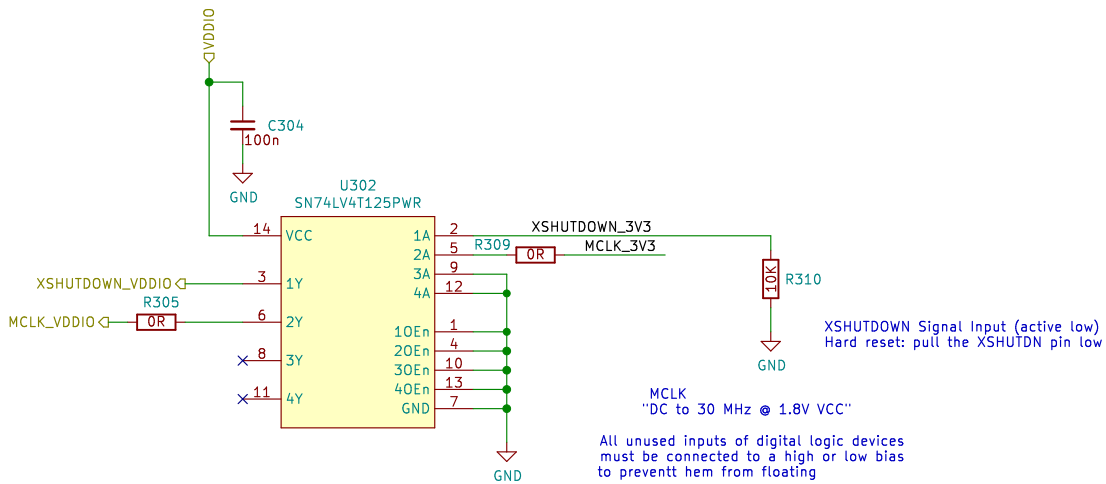
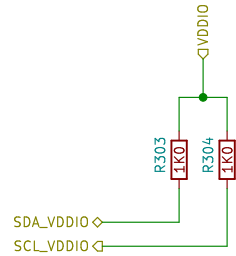
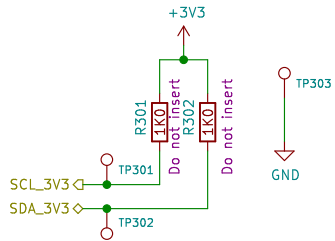
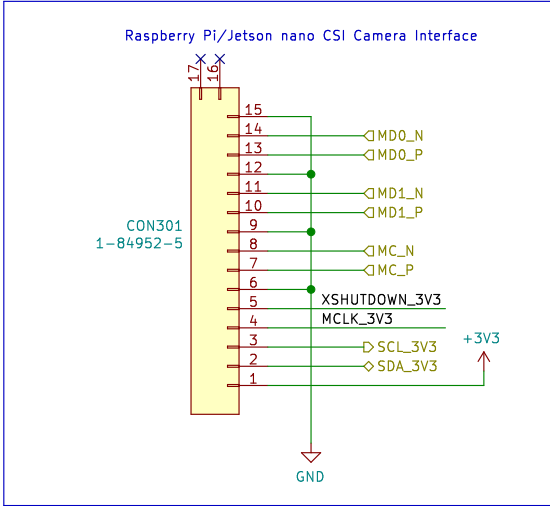
Important information:

- \* The microcontroller is active, even if PMIC is switched off
- \* This allows autodetection of connected sensor by the application software



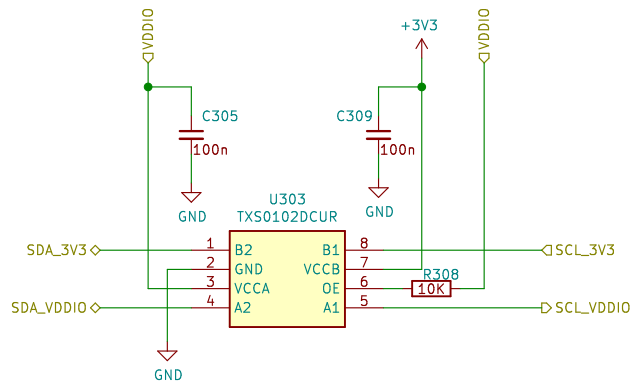


Connector and main Power



MCLK  
"DC to 30 MHz @ 1.8V VCC"

All unused inputs of digital logic devices  
must be connected to a high or low bias  
to prevent them from floating



P-2021-0305110800  
O.Bouz Al Asal  
ams AG/Schmid-Engineering GmbH  
Sheet: /connector/  
File: connector.kicad\_sch

Title: MIRA220 CSP Sensor Board

Size: A3	Date: 2021-09-30	Rev: 3
Schmid-Engineering GmbH		