HARDWARE INSIDES
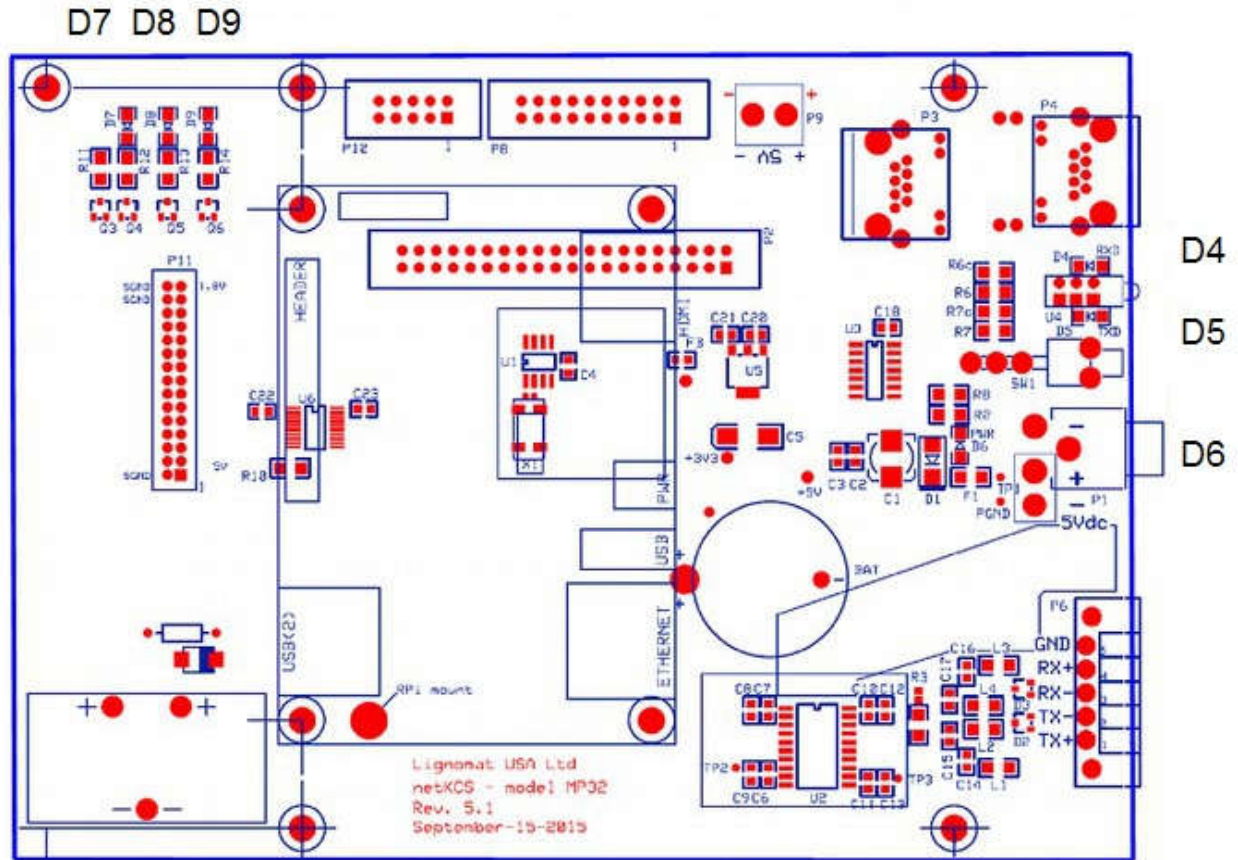
MP32 Main Board Indicators

D7: Controller Status
   Not ready, when this (red) LED is on the CPU board is not yet fully booted – Please wait.
   - On – Not ready, during boot sequence and when communications is disabled. When this (red) LED is on the CPU board is not yet fully booted – Please wait.
   - Off – Ready, once Operating system is booted the LED should be off.

D8: Controller (KCP program) heart beat
   - Off during boot,
   - Blinking (slow about 3-5 seconds per minute This is normal operation and the on cycle should correspond to blinking on the Tx, and Rx lights near the switch near the right hand side of the board

D9: Reset LED
   - Off during boot,
   - Normally on
     When a reset request has been identified this light will be off until the reset has completed.
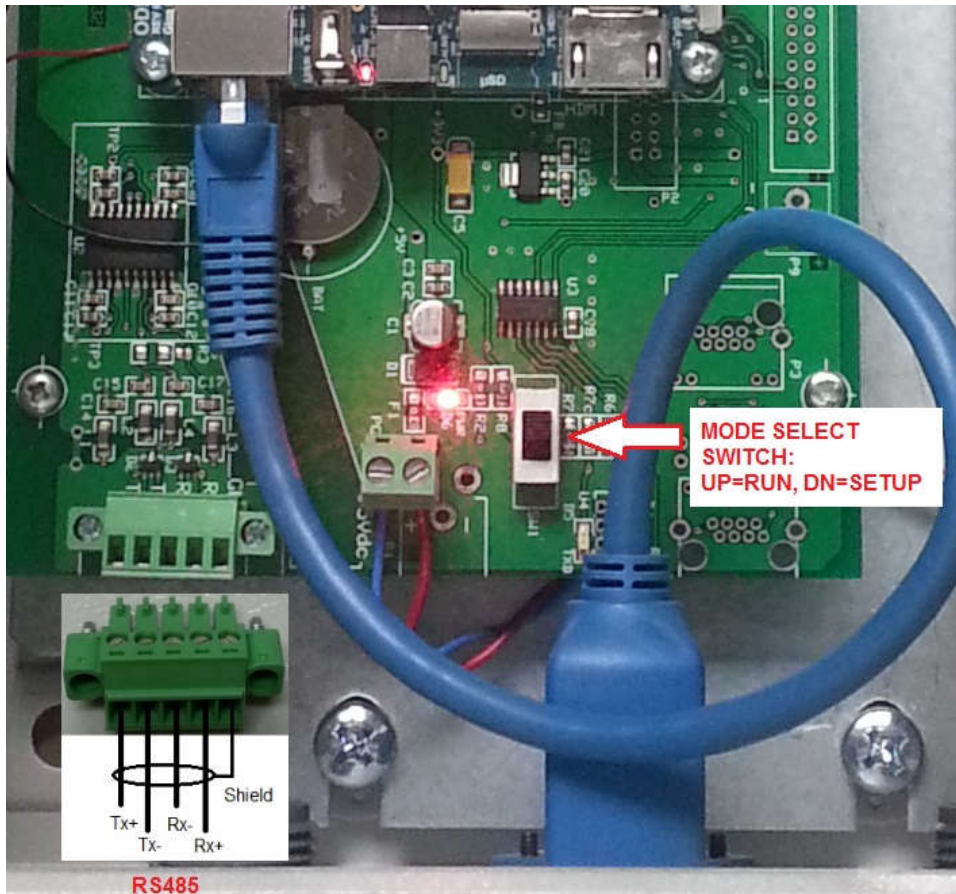
D4, D5: Main Data communication indicators
Tx, and Rx lights lights are normally off except when communicating with the kilns.
- Blinking intermittently (about once a minute quick flashes of both LED's). This is normal operation and is an indication that we are able to communicate with kilns.
- Off for more than 3 minutes – could be an issue with the RS485 communication with kilns. Check cable connections, wiring and kiln controllers.
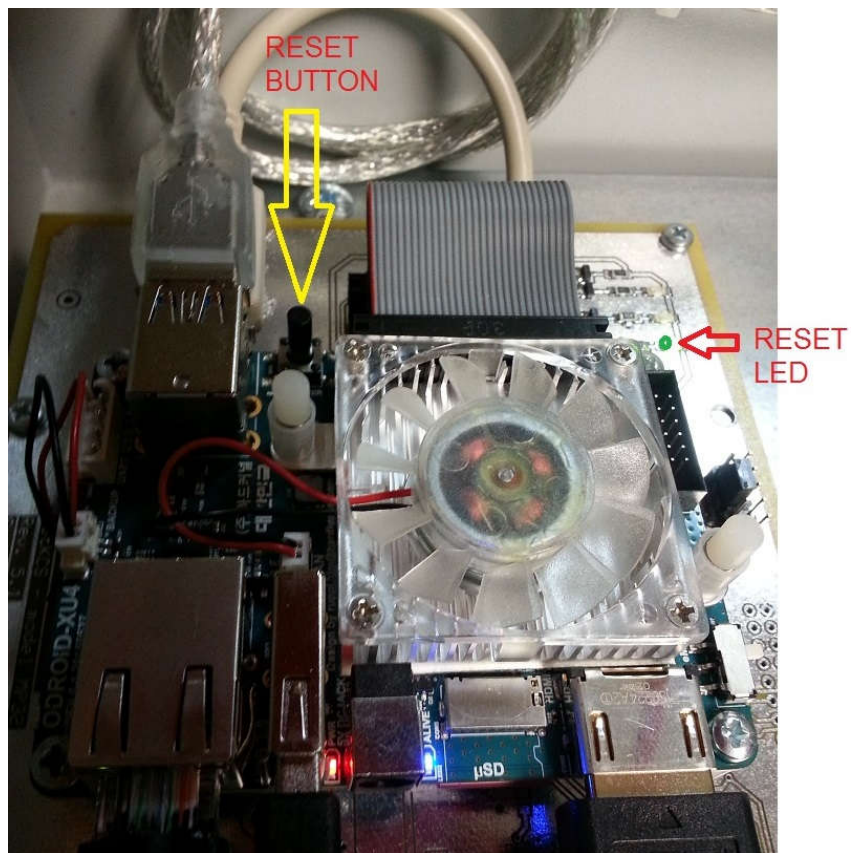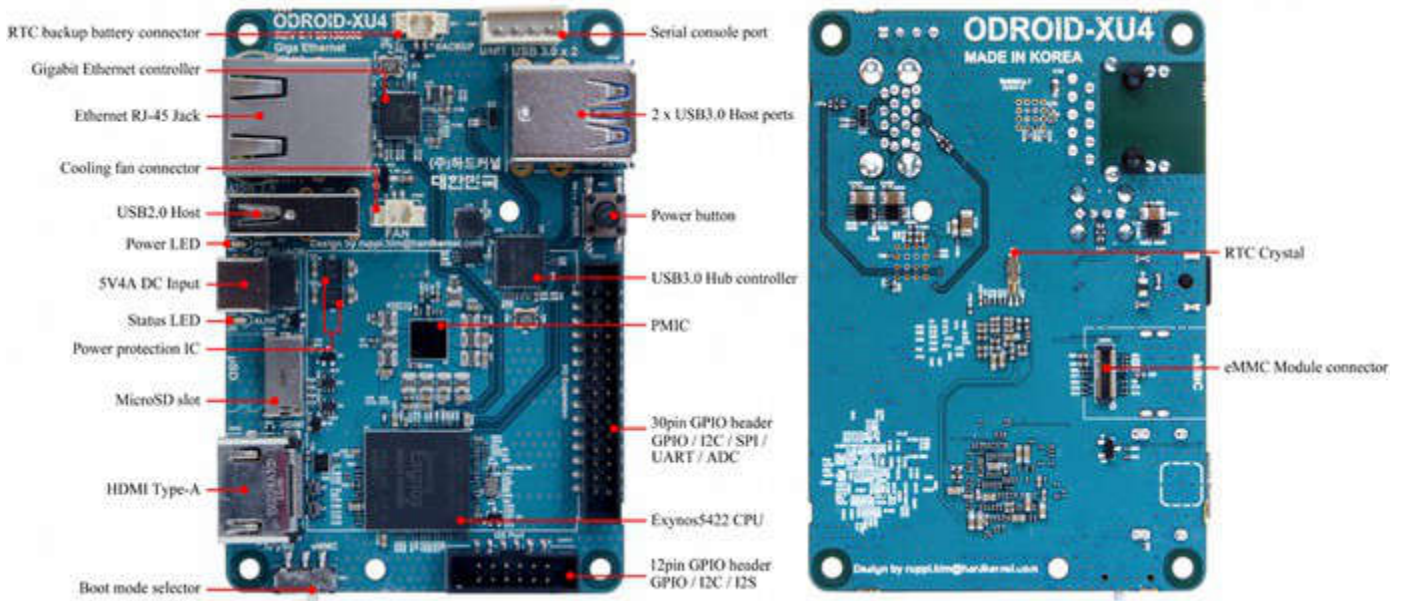
D6: power LED (red)
- On, unless system is not receiving power from AC outlet

MODE SELECT SWITCH: UP=RUN, DN=SETUP

Shield
Tx+ Rx-
Tx- Rx+

RS485
MAIN DATA
CONNECTOR

Cable to KCU/KCM/PCM
kiln controllers

CPU board should have a Status LED (blue) that is blinking and a red LED that is on solid. Additionally the LED's on the Network connector should also be either on or blinking
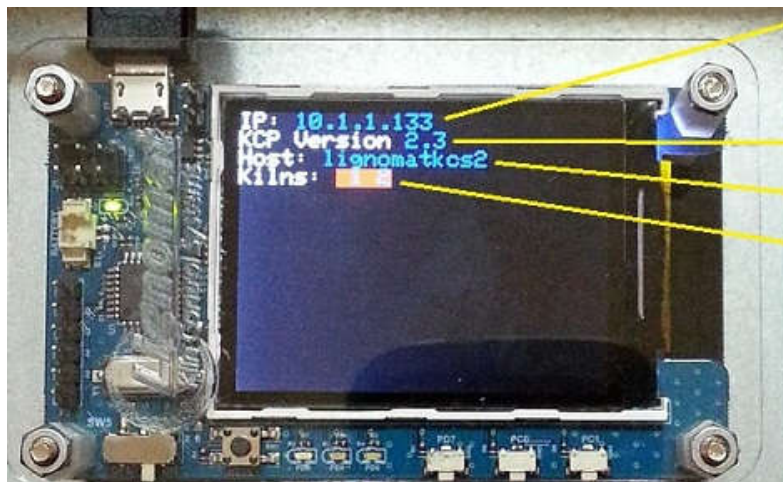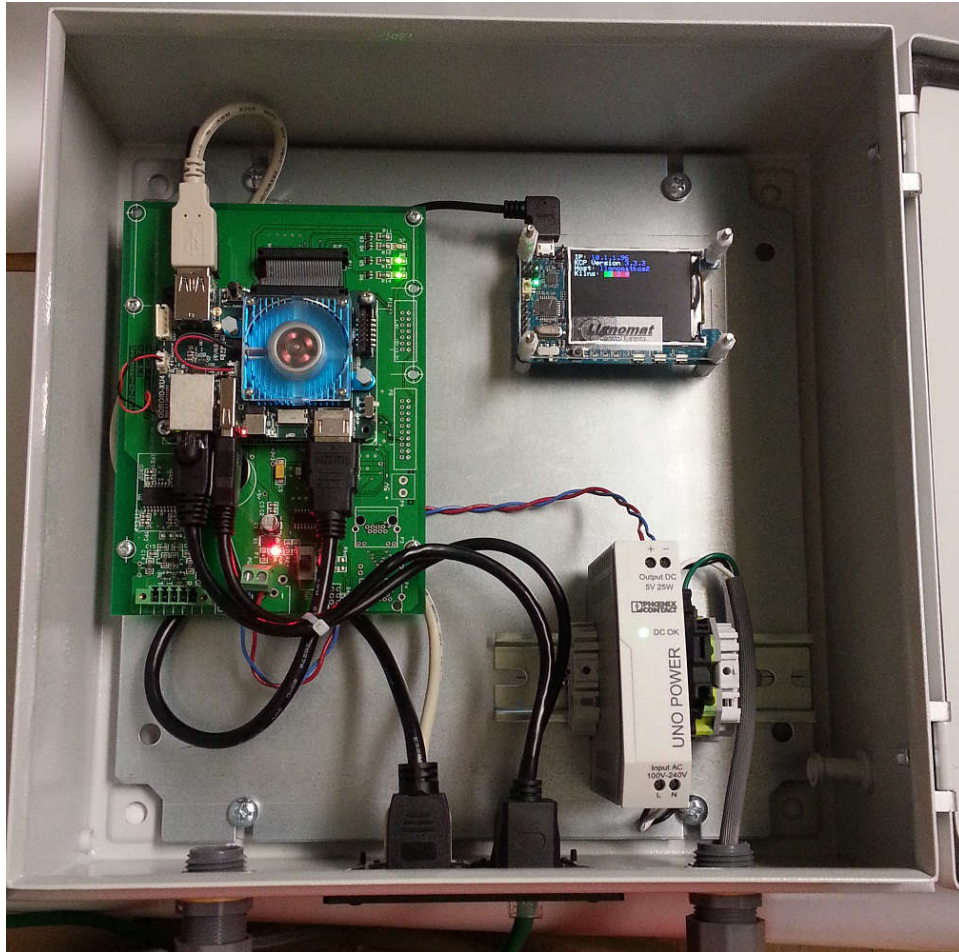
Screen :

    Running:

        While running the screen will be periodically updated with the IP address, the hostname, Kilns, and status.

    Reboot/startup:

        Blank, during reboot if the screen had data on it previously it will not update until the software has completely rebooted it may be up to 2 minutes to update after a reboot. Indicator LEDs will show reboot status until the system is up and running again.

IP address

KCP software version

Host name

Kiln numbers