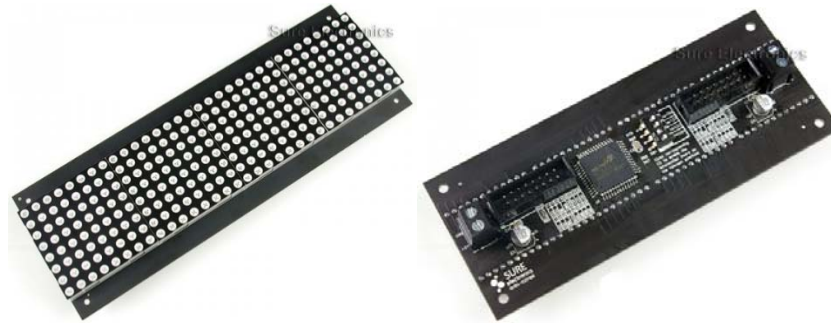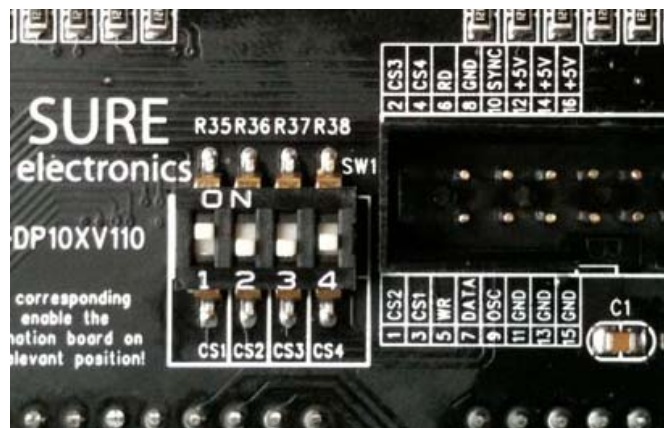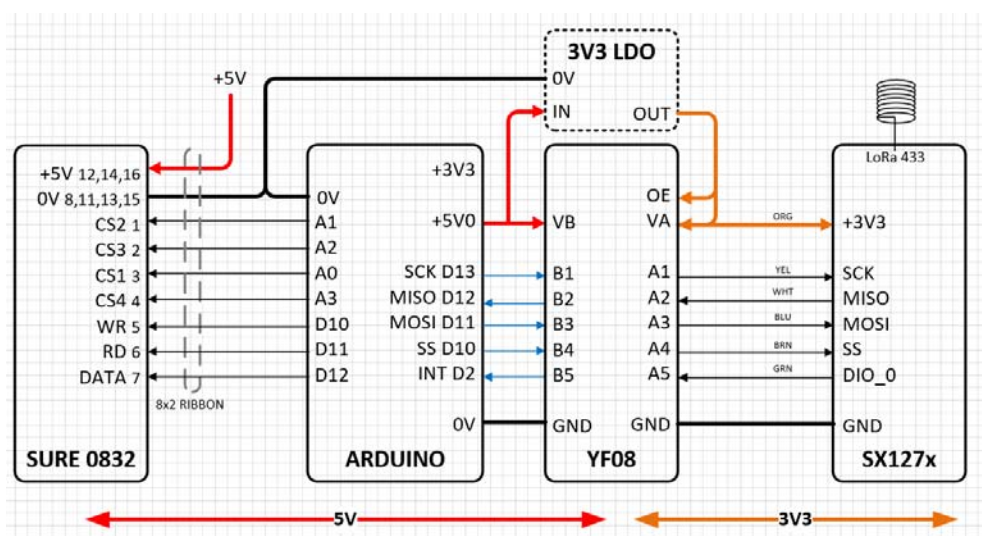# PART 4 – Another display node – the LED matrix

Since the seven-segment display node is working, and the foundations of a simple protocol is in place, we can carry most of that knowledge forward to another node – with a LED dot-matrix display – suitable for displaying alpha characters along with simple digit values.

The choice was also taken from the parts bin – a SURE Electronics 0832 matrix panel with HT1632 chipset, It also uses a bit-bashed protocol like the seven-segment node - to load the display data – plus panel select (CS) lines up to four addressed panels if required.

Wiring up the dot-matrix panel

Almost identical to the seven-segment node, the matrix panel is shown at the left.

Building this will have to wait while I get the core working as I want. Say tuned.