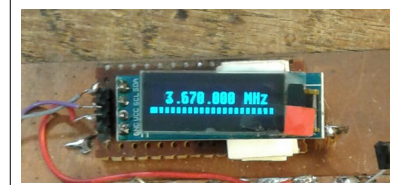


Beware the Display !

I have decided that computer programmes are some of the most racist things I know! I think it works a bit like this :- programmes must talk only to a certain class. Since most that I have seen are written in English – then I guess they must be Englishmen! They have the unweildy name of SSD1306, which is part of their innate makeup (displaywise) And no programme must ever talk to the wrong type!

So at turn on they say to the display "Hullo. Are you there?"

A good Englishman says "Yes" - and this is the result



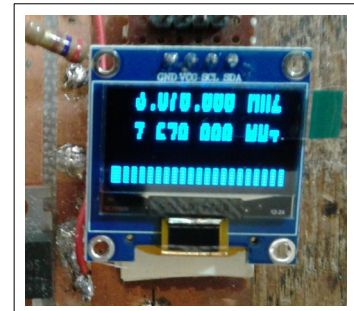
Pic1



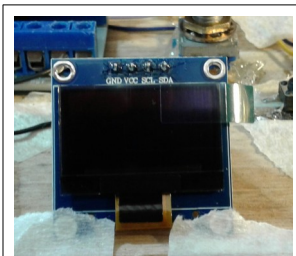
Pic2

If he asks and the respondent is a large Englishman

well he gets a reply, but of course its a bit larger.



If instead however its a Scotsman, well he might think he's ok, but he gets a response like this!



Pic4

And if he is definitely Not an Englishman, or maybe he's a very SLOW Englishman who doesn't reply in time he get's this.

So read on!

The very first 128x32 displays I bought from Asia did not appear to work. The little hair I had left was fast disappearing. In desperation I asked a local arduino boffin to check. He said that yes, they work, but they start up very slowly. So I incorporated a switch to turn on my display BEFORE the vfo. Yes, they worked' but it was a pain. So Andrew wrote a long pause into his programme at startup. Great!

Later I decided to try a 128x64 display on the sugar cube. It worked fine and gave a larger readout for those who wanted it. (Pic2 above)

Ah but its never that easy!

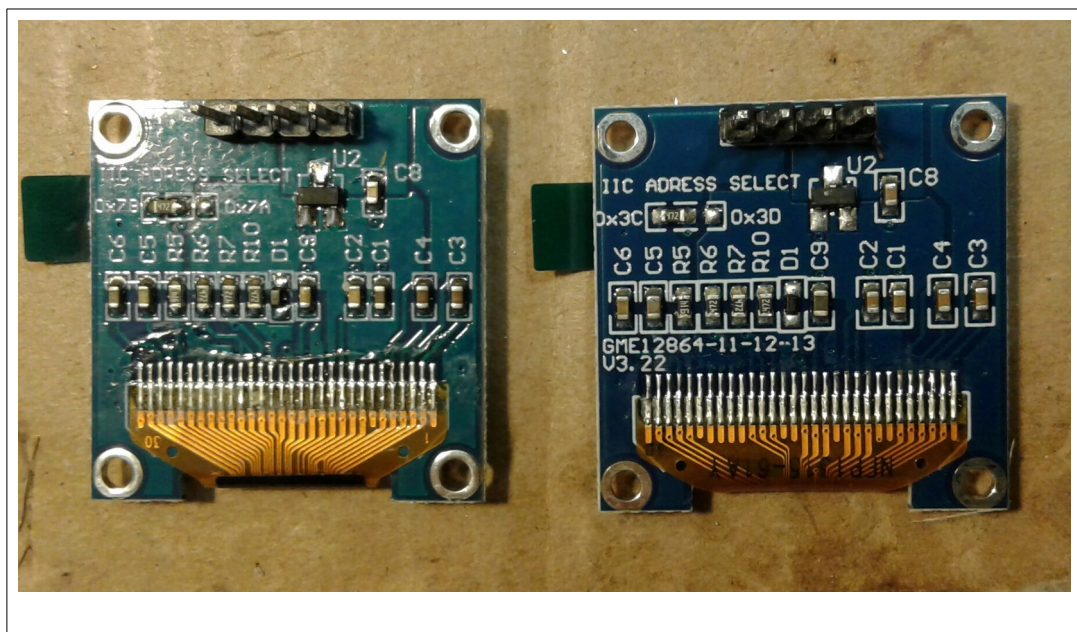
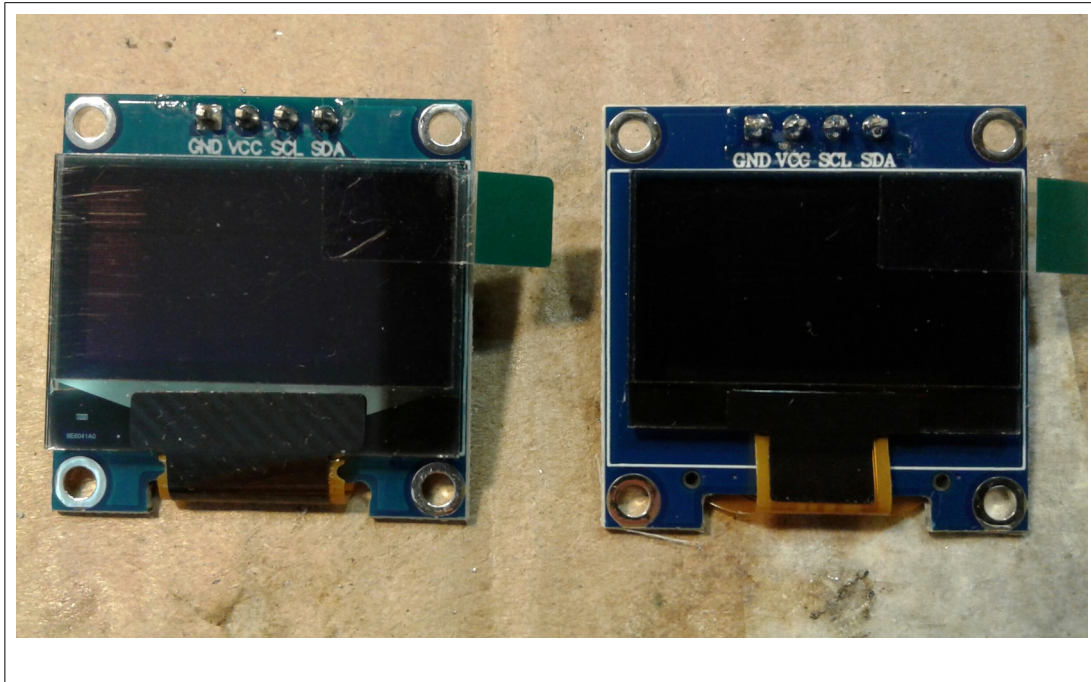
Just recently I saw some displays at a good price and decided to buy quite a few. But woe is me – on the sugar cube they did pic3 above. Though they did work just as they should on a programme set up for the 128x64 display., so I can't complain.

Continued.....

A close inspection revealed a difference. The ones of the left (below) are front and back of the good displays. The ones on the right are the poor ones. You will see that the ribbon is WIDER on the good ones (front) and some of the traces are missing on the poor ones (back) – which is why it is narrower. Goodness knows how much they SAVED by this adjustment – but it made them less versatile.

GOOD

POOR



However, they are both SSD1306. Take care when ordering to look carefully at what is being offered.

Eric

PS. I was born in England. I'm a small Englishman!