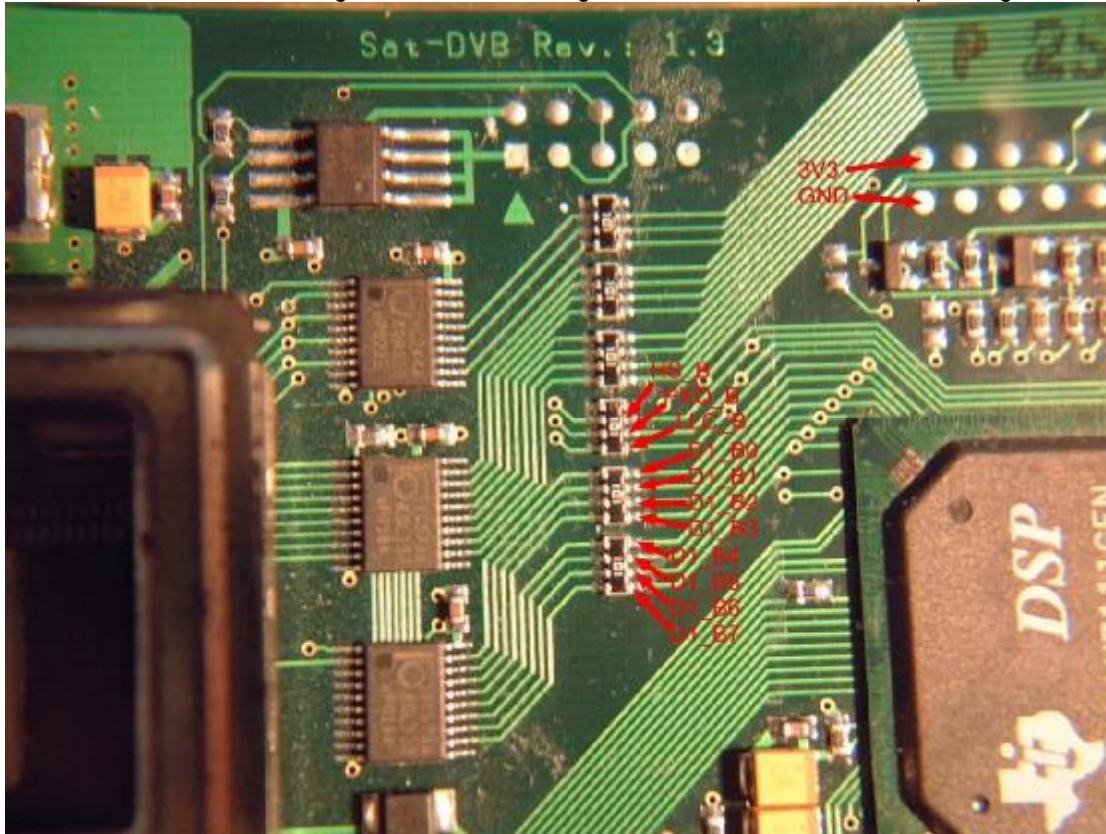
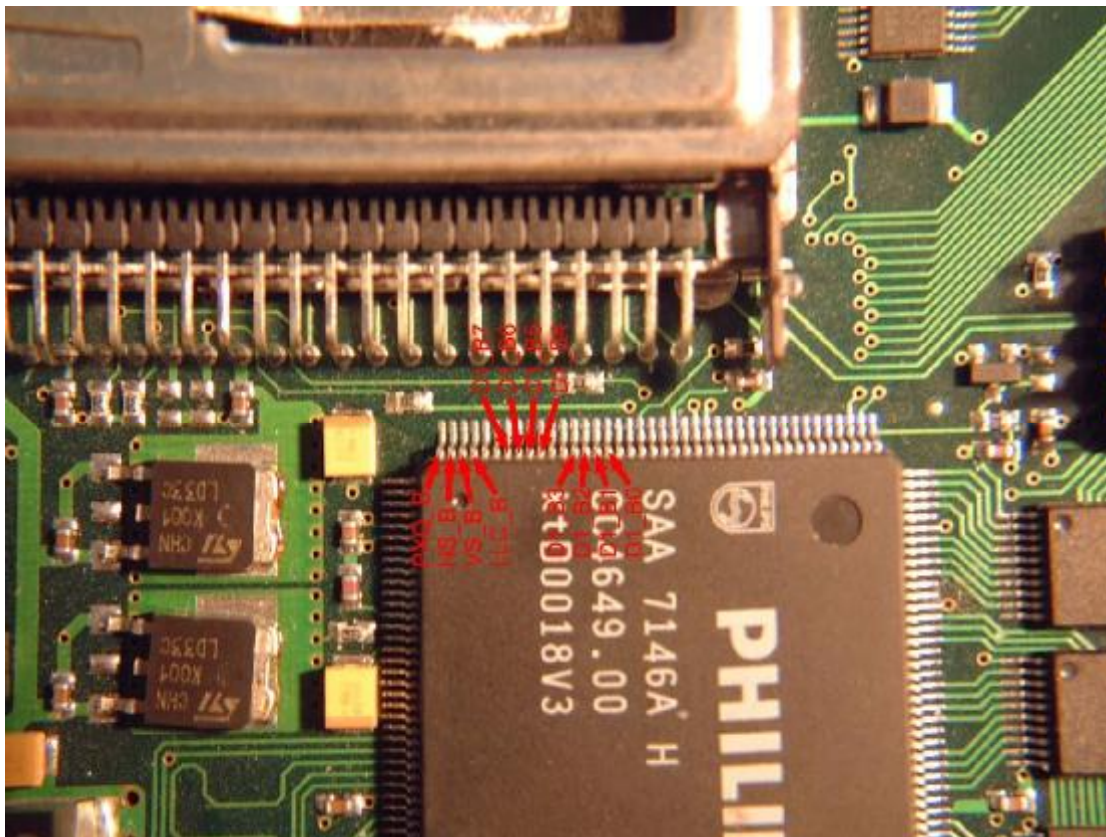


Signals to av7110 (from tuner/CI):

Note: For convenience all signals have been assigned the name of the corresponding saa7146 pin.



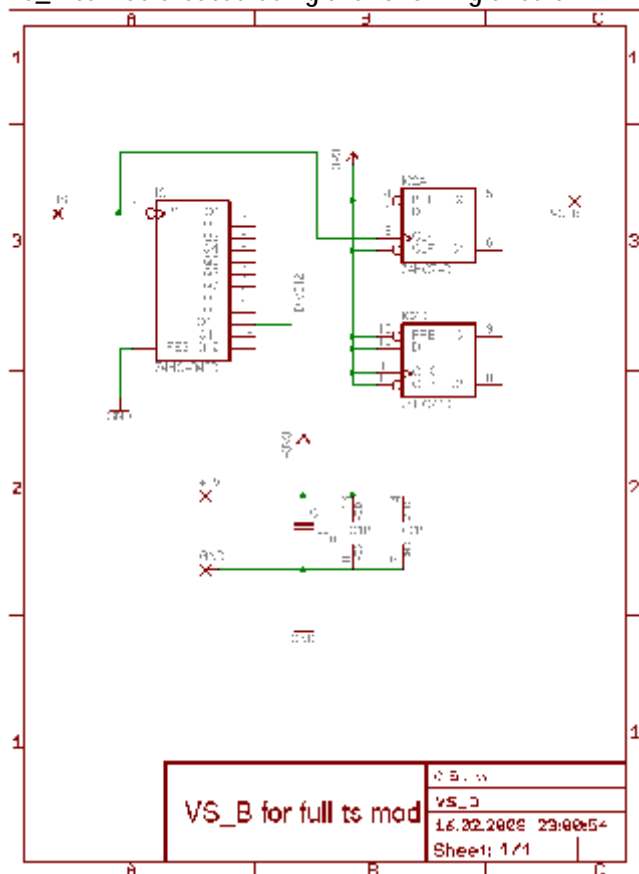
Port B of the saa7146:



VS_B signal generation

Obviously there are all signals available except for VS_B.

VS_B can be created using the following circuit:



Putting the pieces together

Now connect the signals:

signal name	from	to
D1_B0	av7110	saa7146 pin 145
D1_B1	av7110	saa7146 pin 146
D1_B2	av7110	saa7146 pin 147
D1_B3	av7110	saa7146 pin 148
D1_B4	av7110	saa7146 pin 151
D1_B5	av7110	saa7146 pin 152
D1_B6	av7110	saa7146 pin 153
D1_B7	av7110	saa7146 pin 154
LLC_B	av7110	saa7146 pin 157
VS_B	74HC74 pin 5	saa7146 pin 158
HS_B	av7110	saa7146 pin 159, 74HC4040 pin 10, 74HC74 pin 3
PXQ_B	av7110	saa7146 pin 160

(See schematic for connections between 74HC4040 and 74HC74. Do not forget GND and 3V3!)
Please double check that all wires are connected properly and you did not produce any shortcuts.

