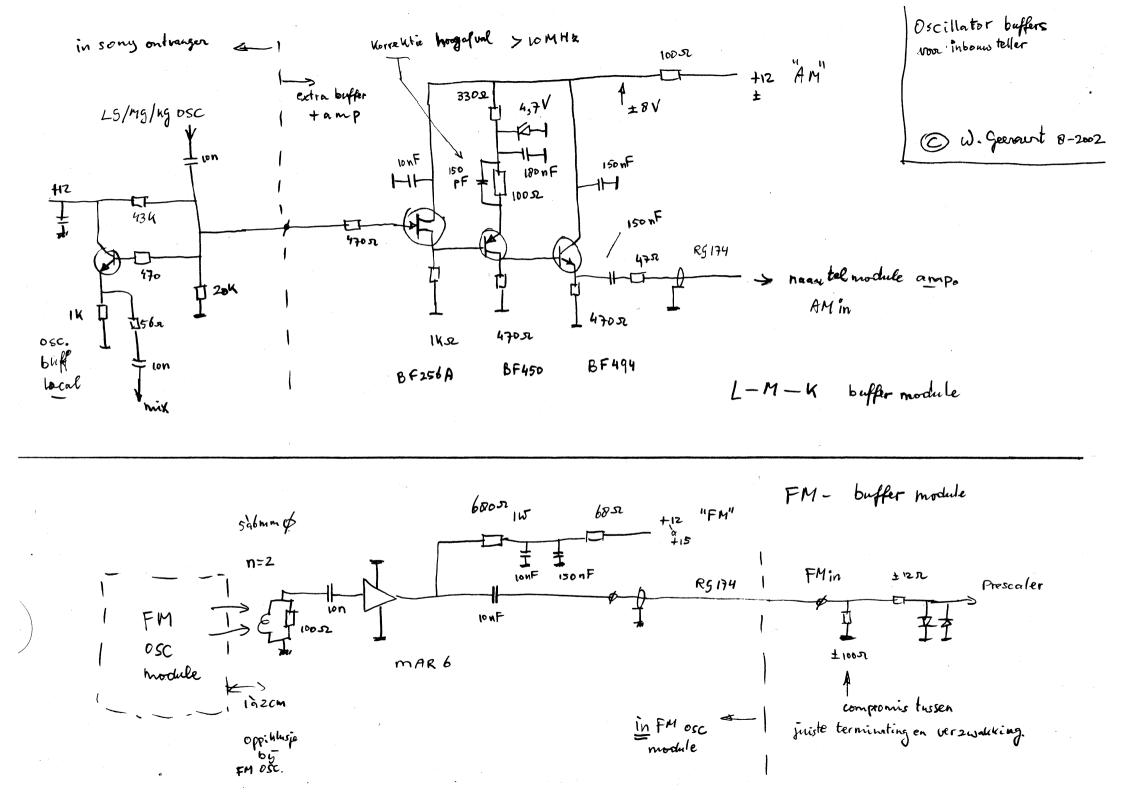
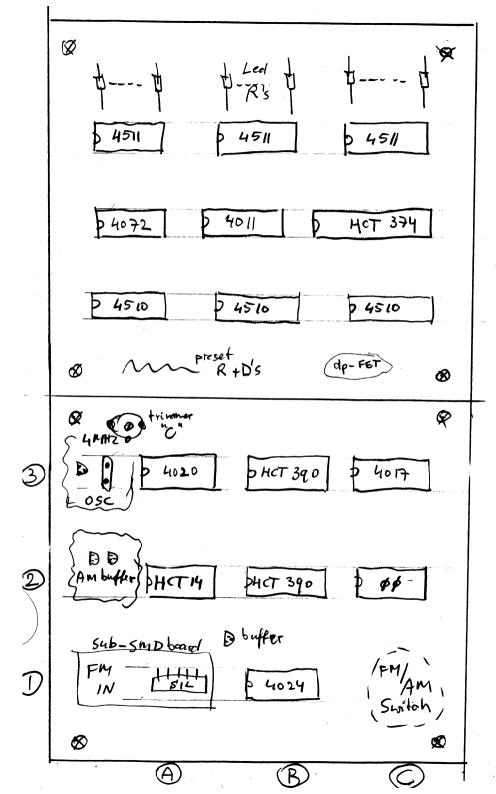
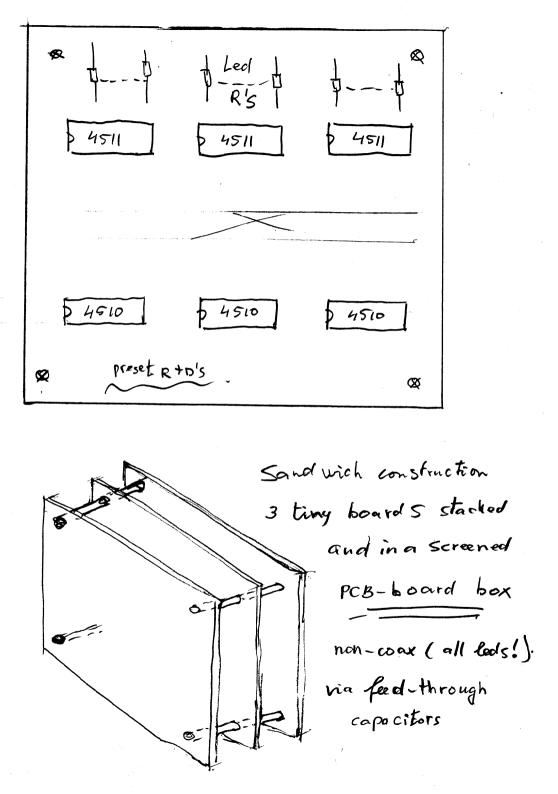


4072 83 D's MSB 4011 114148 A A 11 4 B B 10 С С 2 D D ß 1 E Q 日の 47K ÷ 4 D R 3 D D Q -> Blanking 1 Blanhing 2 Pin 4 Q Blanking 3 PINH Piny 4011 To Display common latch pin JL Latch II Dflipflop HCT 374 (or HCT 174) (pin numbers for 374) (whatever is available) blanking non-significant zero's with this circuit 102.700 FM 093.200 Ripple blanking example freg!s K G M G 013 700 first 3 digits 512 001 000) 198 W. Seernert LW







Preset settings example

Oscillator Long wave Rx	666 198	kHz kHz					
IF - AM	468	kHz		NO 455 kHz			
Counter							
Preload AM	(1)000 000						
	468						
	999 532						

IF-filter in Sony receiver appears NOT exactly 468 kHz, or maybe one count on/off pulse is added each count cycle. Counter counts 1 digit too high. That is for example: AM 1512 is indicated at exact tuning as 1513. The transmitter frequency is OK.

So: preload is corrected in AM from 999532 to 999531, one lower below zero. All OK than.

For a 455 kHz IF the preload will be 1000000 - 455 = 999545. If the filter is not correct it could be 999544 or 999546.

For FM Rx it will be:

Oscillator	110.700 MHz
FM Rx	100.000 MHz
IF - FM	10.700 MHz as expected
Counter	(1)000 000
FM preload	10 700
	989 300

Action:

If the upper and lower value in the same column in a D-C-B-A row both have a zero or a one, no diode is needed, only a direct pull-down (for 0) or pull-up (for 1). If one of them has a "1" and the other a "0" a pull down is placed and a diode to FM or AM "1" to force the "1" preset.

AM	9	9	9	5	3	1
	1001	1001	1001	0101	0011	0001
	DCBA	DCBA	DCBA	DCBA	DCBA	DCBA
	1001	1000	1001	0011	0000	0000
FM	9	8	9	3	0	0