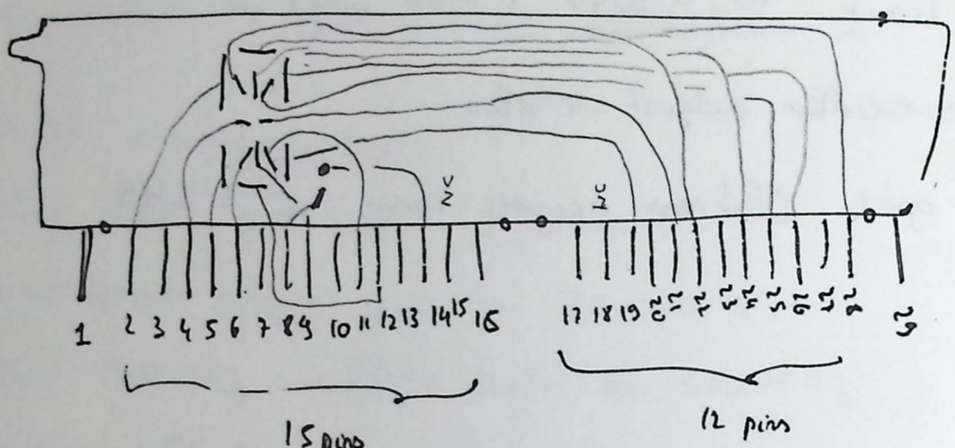
(12) (20)

02

04/14/2014

2+ 27-pin VFD. for MSE

3V filament
+15V segments & digits



15 pins
A.0 – A 14

12 pins
B0 – B14

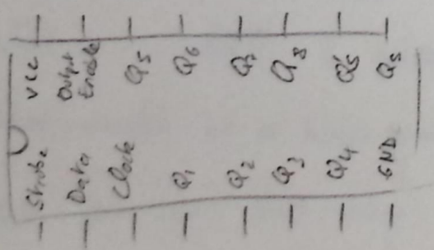
16 segments
9 digits
} 25 signal pins

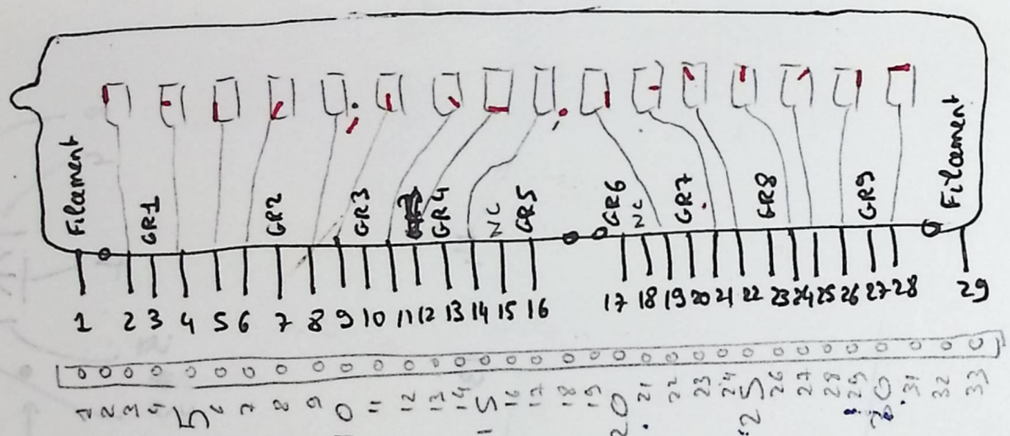
Need Max 6922, 32 or 33
↓ 32 out ↓ 27 out ↓ 28 out

Or use two 6921, TSSOP 20 outputs each, cascaded. $9/pc.

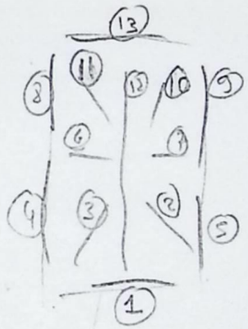
6922, $11 but QFN only

Or 4x CD4094's 2 for





33 pin connector



As wired in software

Bit position (starting @ 1) to segment position in software -

Bit appear on CD4096 pins hardware

bit 1 → Q_0

bit 2 → Q_1

⋮

etc.

extra for mine

16 Shift register bits	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Bit position															
8	14	24 (Vop)	28	9 (bottom only)	22	25	26	2	21	4	19	5	6	11	12
My VFD pins. (in 1-29 notation)															
Q_3	Q_8	Q_6	Q_5	Q_4	Q_3	Q_2	Q_1	Q_8	Q_7	Q_6	Q_5	Q_4	Q_3	Q_2	Q_1
CD 4096 pins															
9	15	27	31	10	25	28	29	3	24	5	22	6	7	12	13
In connector notation (1-33)															