

The 007786 scans for valid object data:

- Object (sprite) code,
- palette,
- position and
- attributes

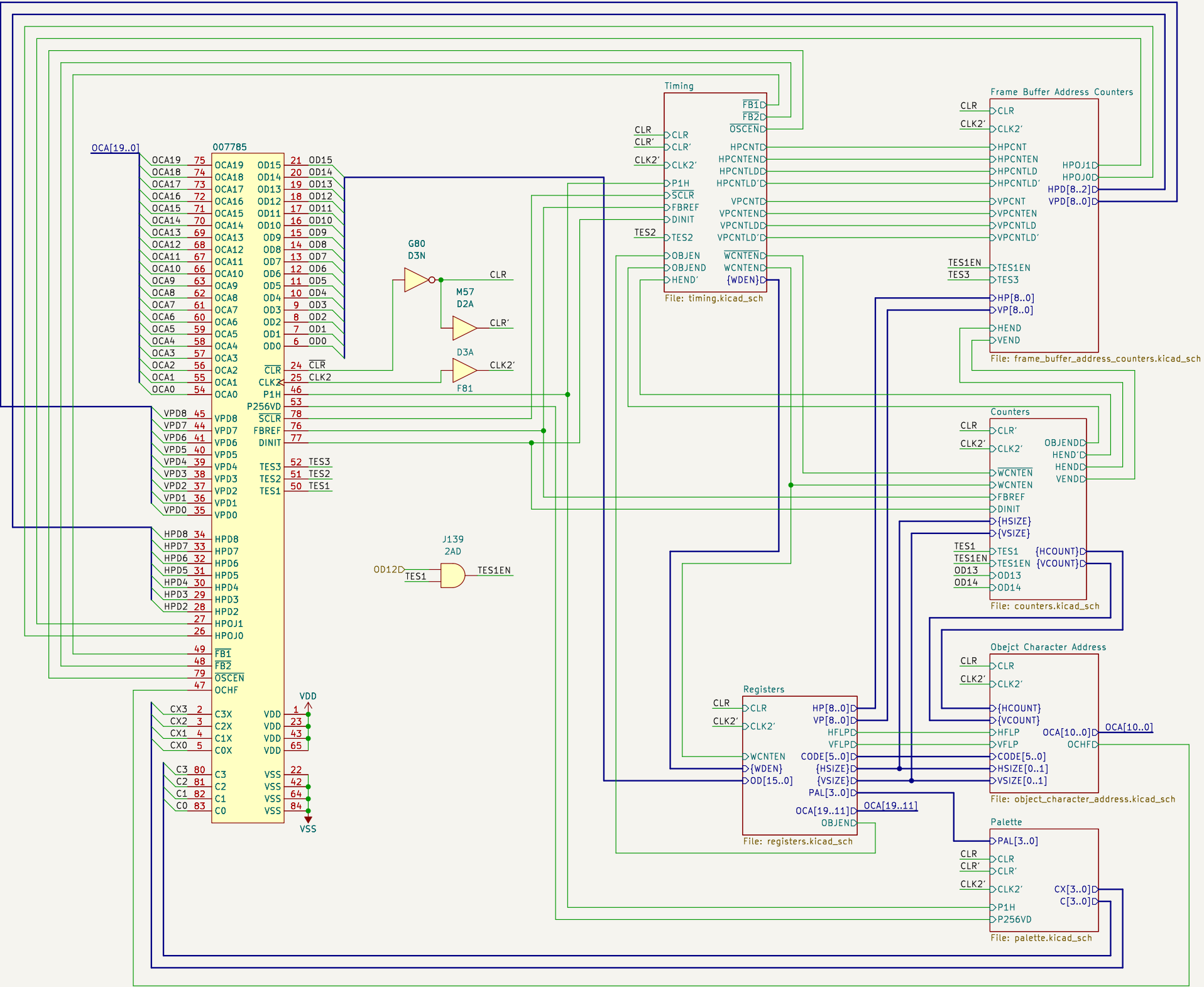
It translates it into:

- Individual object character (tiles) color code,
- Palette values
- object character address

This is copied into the frame buffers with the 007786.

1. SCLR (OSCANCCLR) starts the obejct scanning process.
2. OSCEN is activated when each of the four words to be scanned are to be read. The 007783 increments the address.

The 007786 uses an OKI 79V000 gate cell array with 3289 unit cells.



Ulf Skutnabba, twitter: @skutis77

Sheet: /  
File: 007785.kicad\_sch

Title: Konami 007785

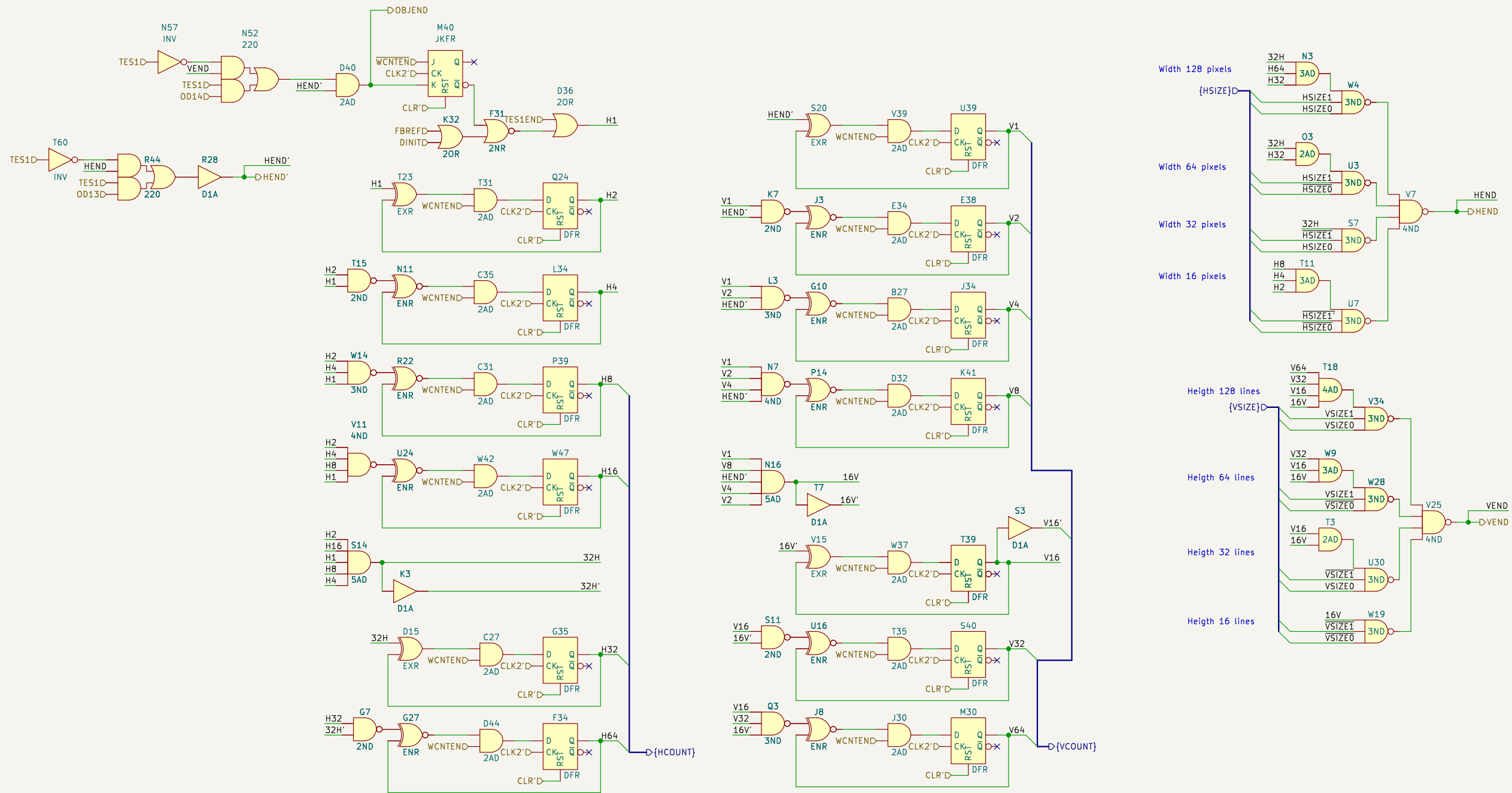
Size: A3 Date: 2023-12-22

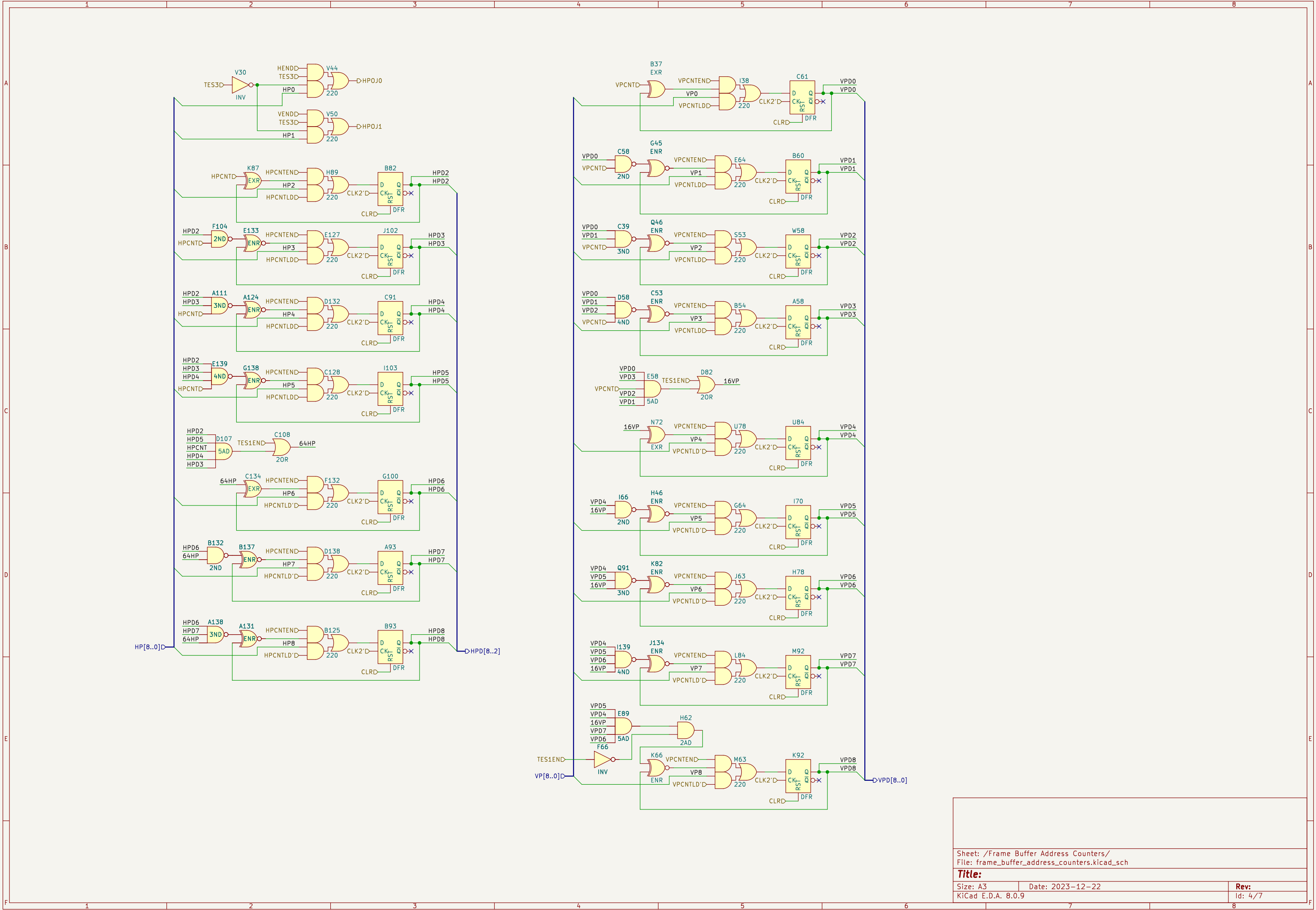
KiCad E.D.A. 8.0.9

Rev:

Id: 1/7

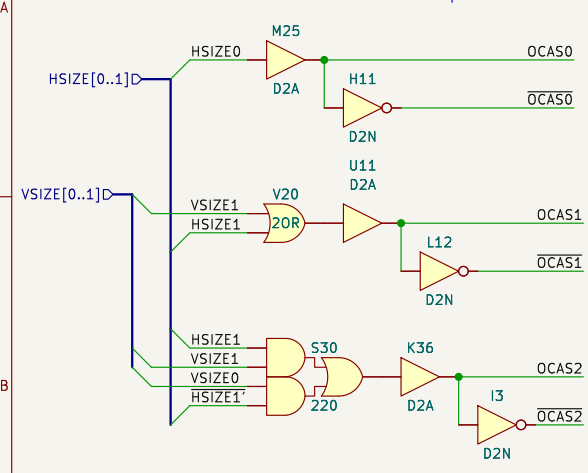




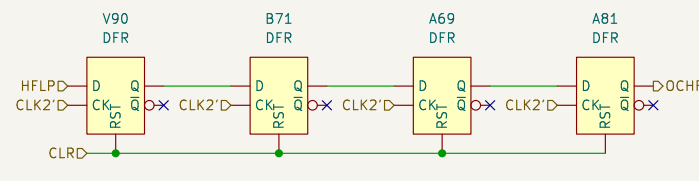
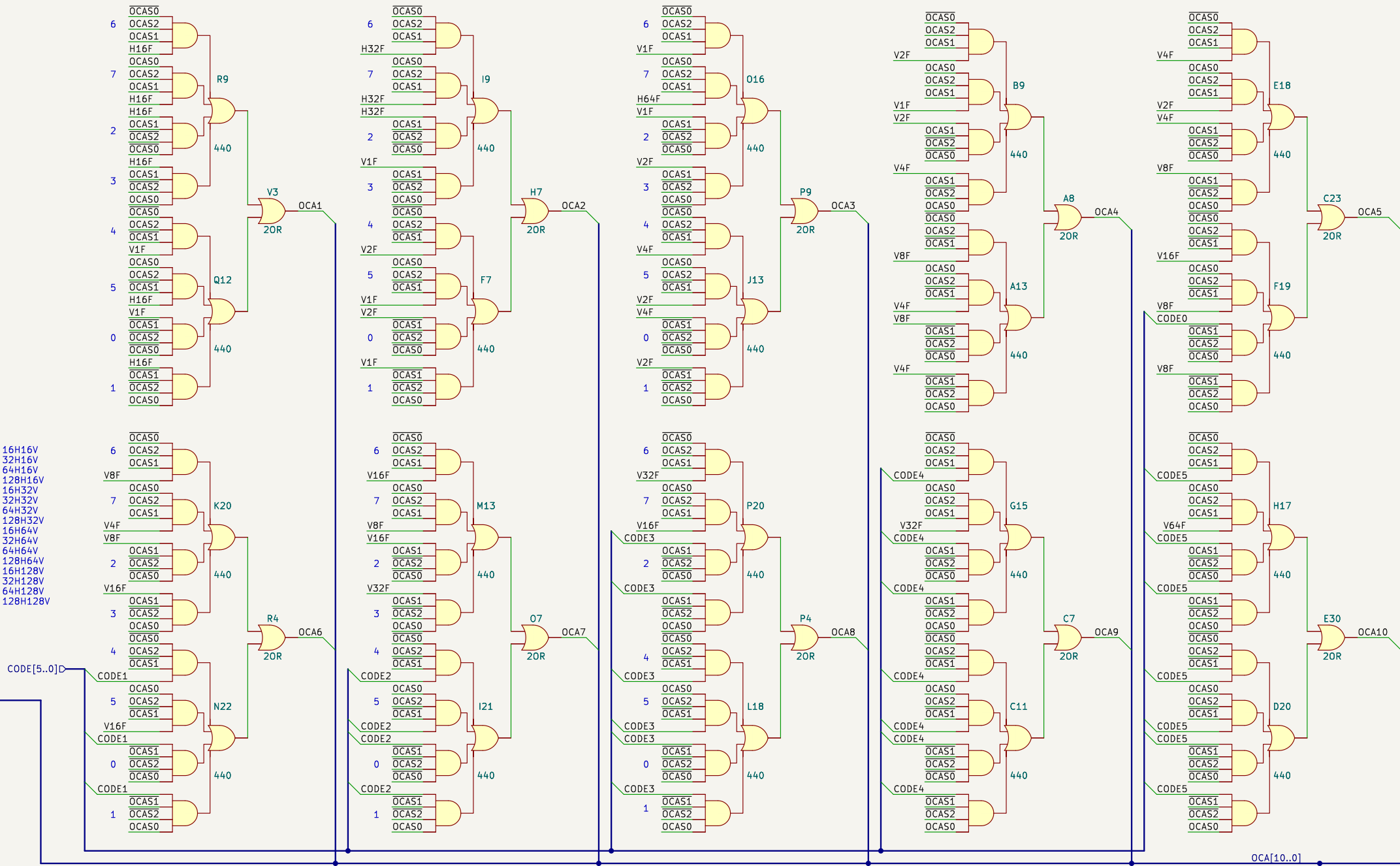
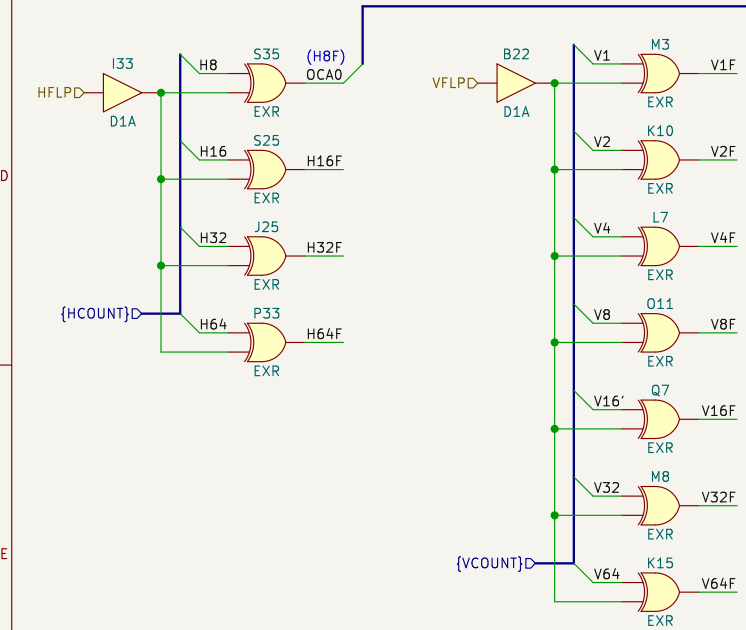


Object Character Select Address

Object (Sprite) tiles are called characters on the twin16 platform.



VSIZE1	VSIZE0	VSIZ	HSIZE1	HSIZE0	HSIZ	OCA2	OCA1	OCA0	
0	0	16	0	0	16	0	0	0	0
0	0	16	1	0	32	0	0	1	1
0	0	16	1	1	64	0	1	1	2
0	0	16	1	1	128	0	1	1	3
0	1	32	0	0	16	1	0	0	4
0	1	32	0	1	32	1	0	1	5
0	1	32	0	1	64	1	1	1	6
0	1	32	1	0	128	1	1	1	7
1	0	64	0	0	16	0	1	0	8
1	0	64	0	1	32	0	1	1	9
1	0	64	1	0	64	1	1	1	10
1	0	64	1	1	128	1	1	1	11
1	1	128	0	0	16	1	1	0	12
1	1	128	0	1	32	1	1	1	13
1	1	128	1	0	64	1	1	1	14
1	1	128	1	1	128	1	1	1	15



Size  
16H16V  
32H16V  
16H32V  
32H32V  
64H16V, 64H32V, 16H64V  
128H16V, 128H32V, 32H64V  
64H64V, 16H128V, 64H128V  
128H64V, 32H128V, 128H128V

OCA0	OCA1	OCA2	OCA3	OCA4	OCA5	OCA6	OCA7	OCA8	OCA9	OCA10
H8F	V1F	V2F	V4F	V8F	CODE0	CODE1	CODE2	CODE3	CODE4	CODE5
H8F	H16F	V1F	V2F	V8F	V16F	CODE1	CODE2	CODE3	CODE4	CODE5
H8F	H16F	V1F	V2F	V8F	V16F	CODE1	CODE2	CODE3	CODE4	CODE5
H8F	H16F	H32F	V1F	V2F	V8F	V16F	CODE1	CODE2	CODE3	CODE4
H8F	H16F	H32F	V1F	V2F	V8F	V16F	CODE1	CODE2	CODE3	CODE4
H8F	H16F	H32F	V1F	V2F	V8F	V16F	CODE1	CODE2	CODE3	CODE4
H8F	H16F	H32F	V1F	V2F	V8F	V16F	CODE1	CODE2	CODE3	CODE4
H8F	H16F	H32F	V1F	V2F	V8F	V16F	CODE1	CODE2	CODE3	CODE4
H8F	H16F	H32F	V1F	V2F	V8F	V16F	CODE1	CODE2	CODE3	CODE4
H8F	H16F	H32F	V1F	V2F	V8F	V16F	CODE1	CODE2	CODE3	CODE4

