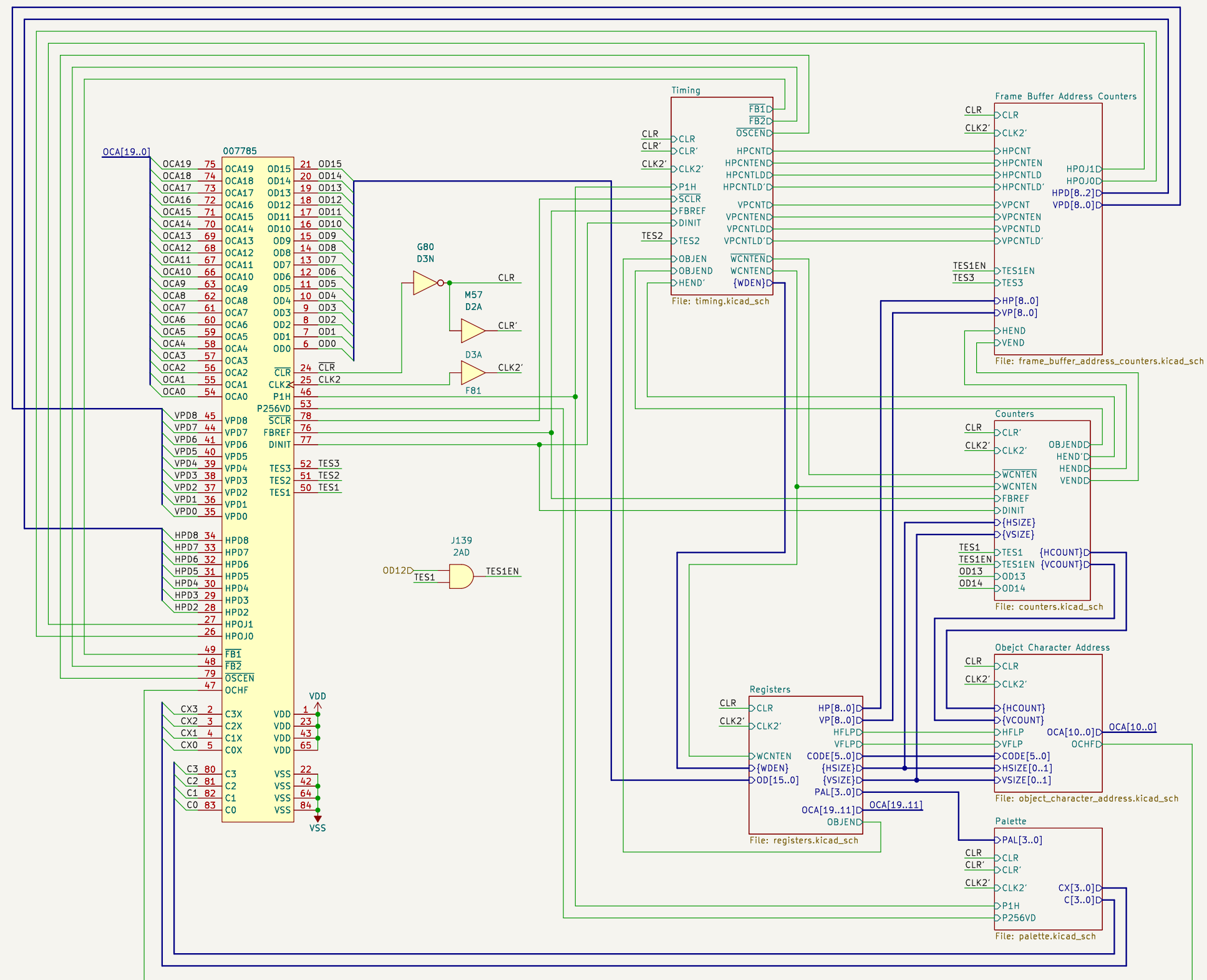


- Object (sprite) code,
- palette,
- position and
- attributes

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

1. SCLR (OSCANCLR) starts the object 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.

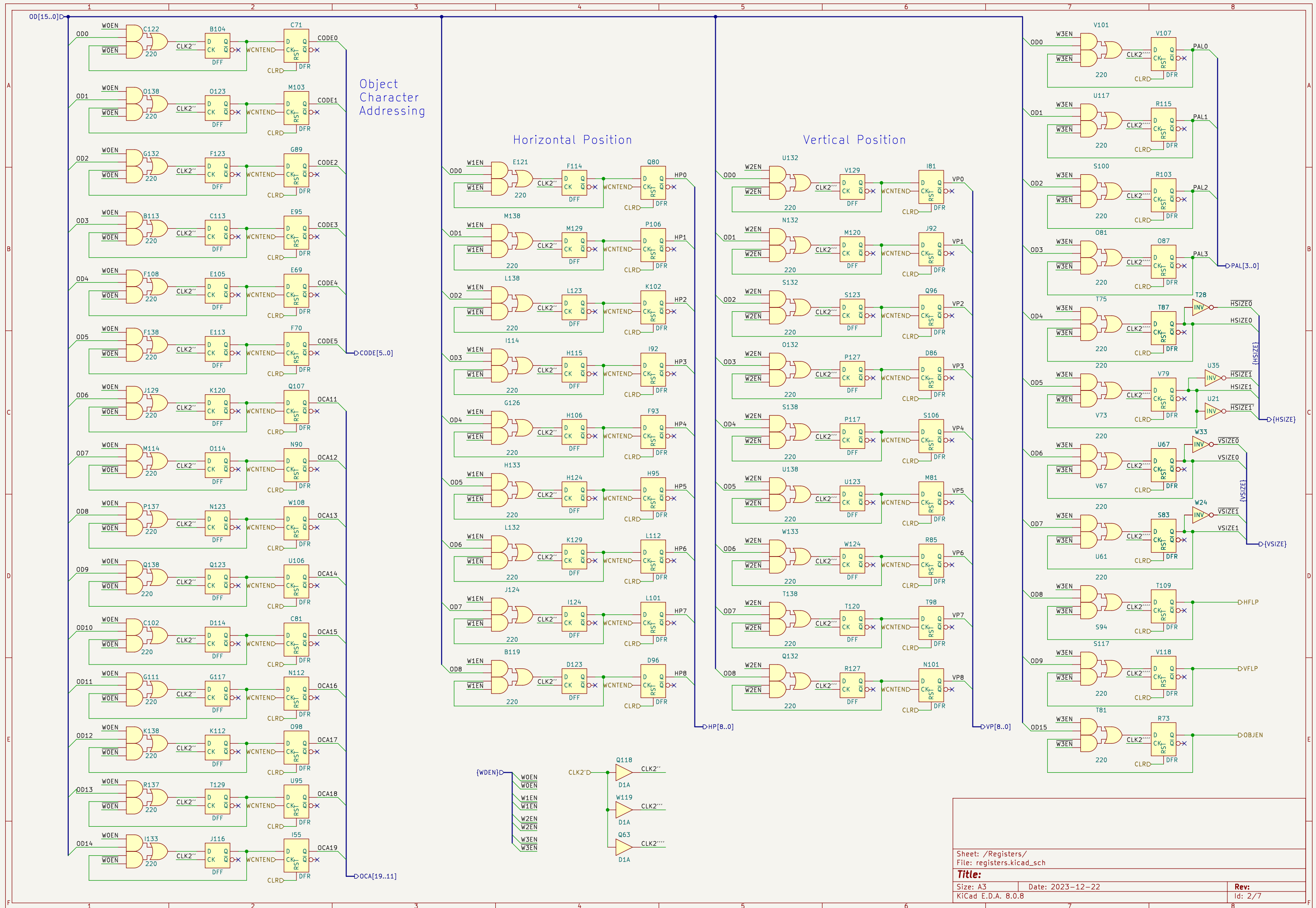


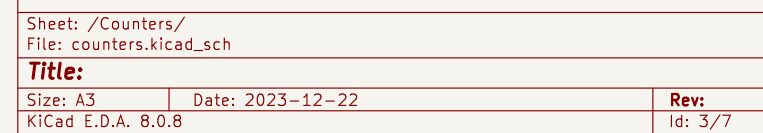
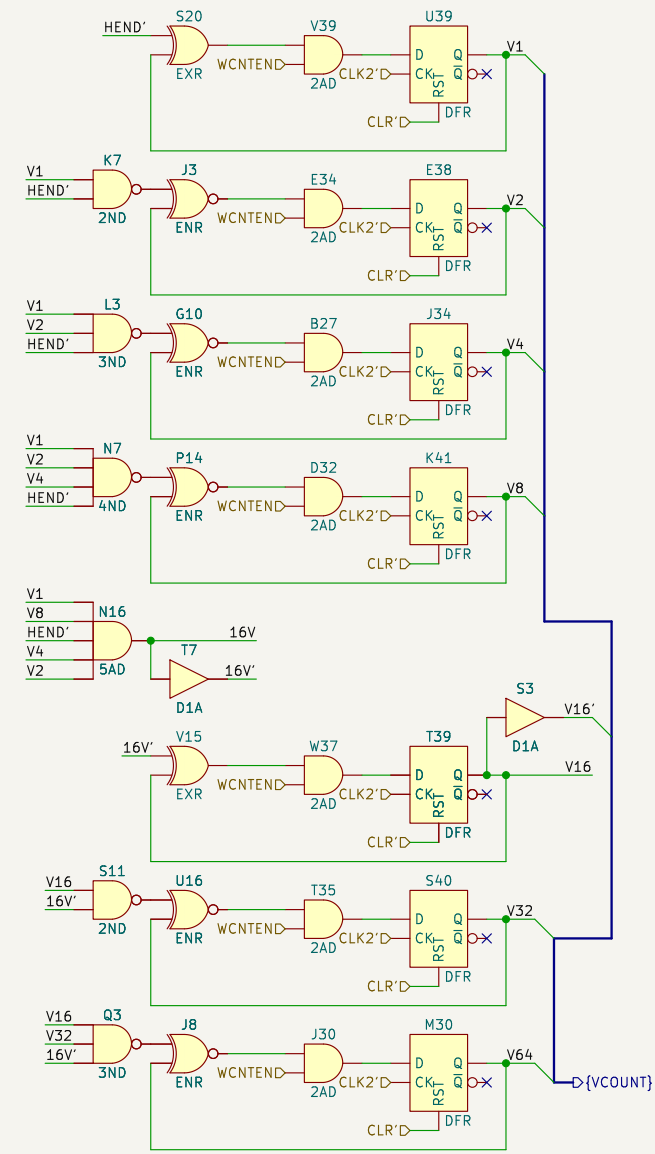
Sheet: /  
File: 007785.kicad\_sch

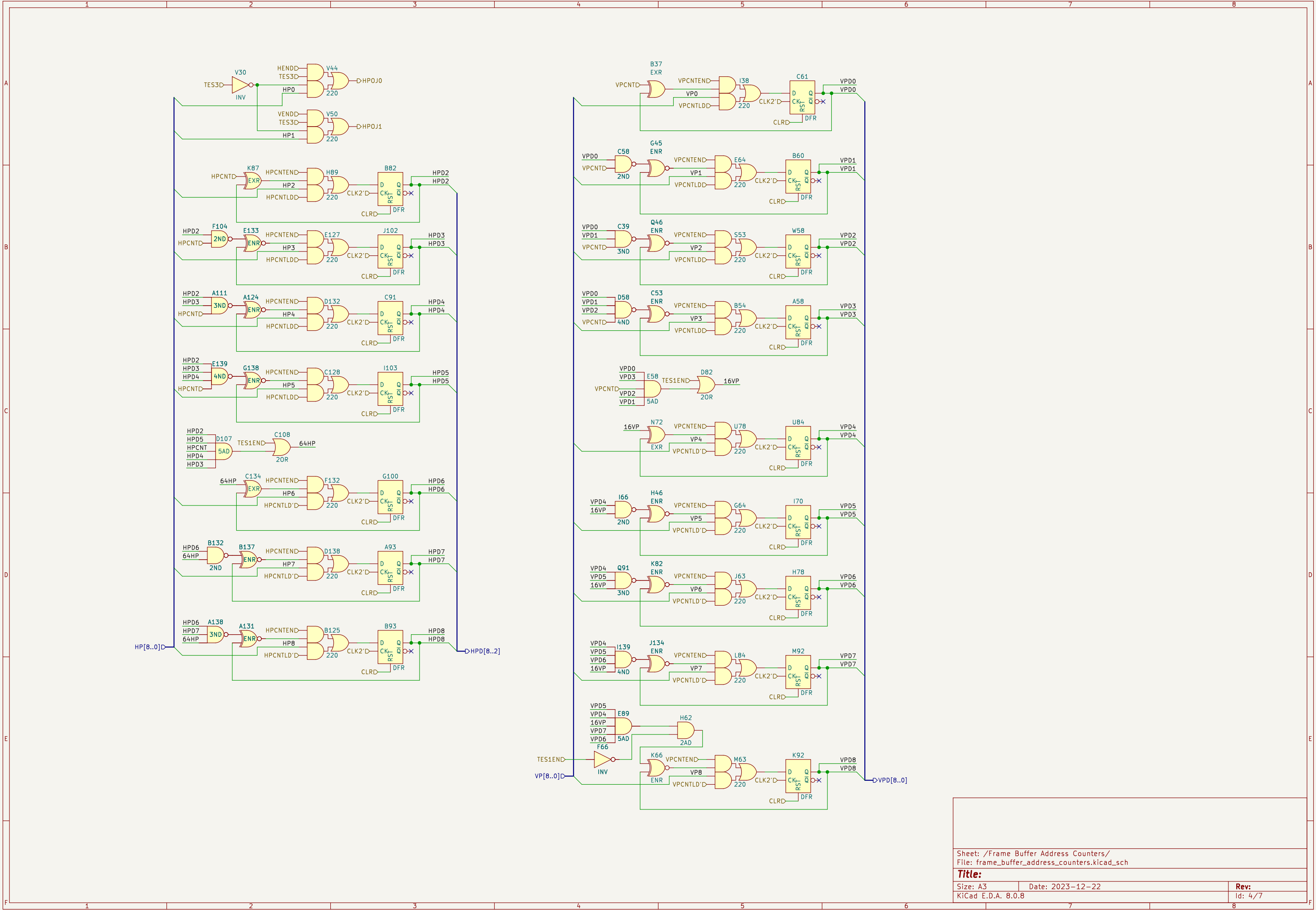
Size: A3	Date: 2023-12-22
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KiCad E.D.A. 8.0.8

	7
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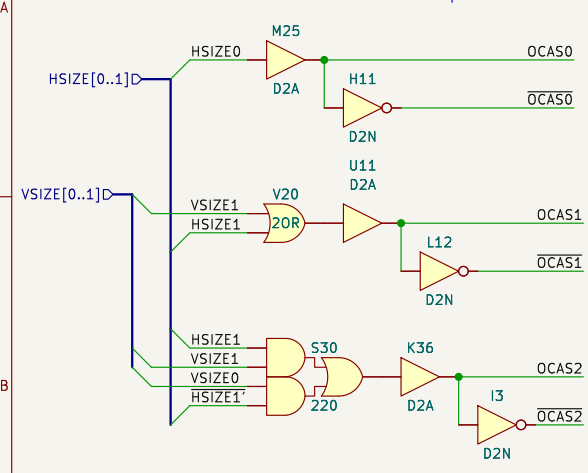


Sheet: /Frame Buffer Address Counters/  
File: frame\_buffer\_address\_counters.kicad\_sch

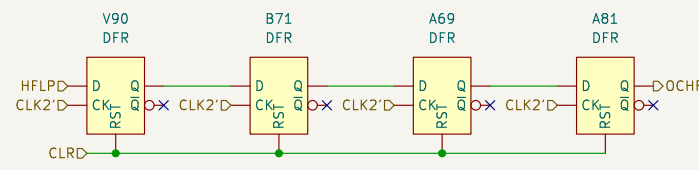
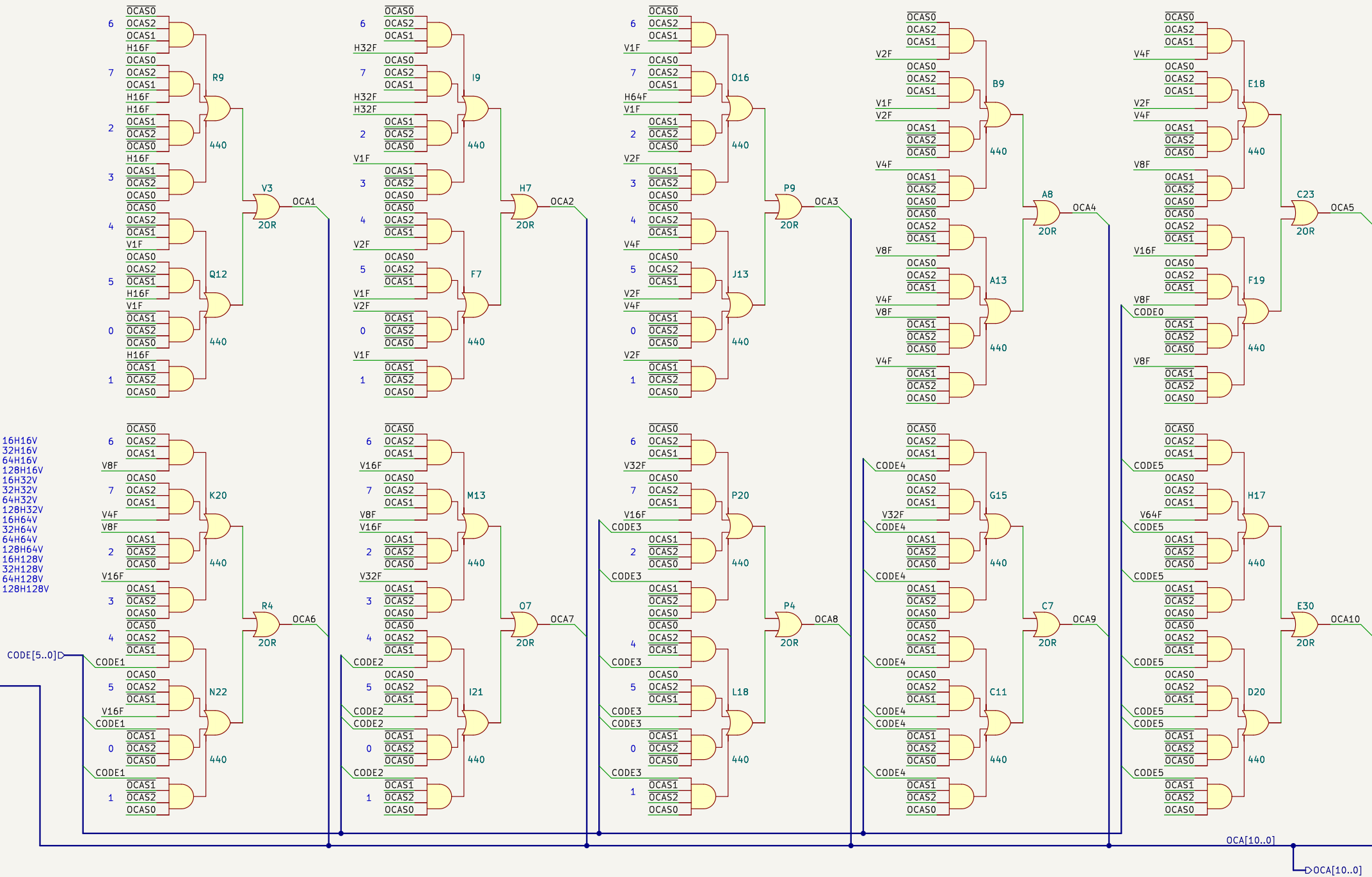
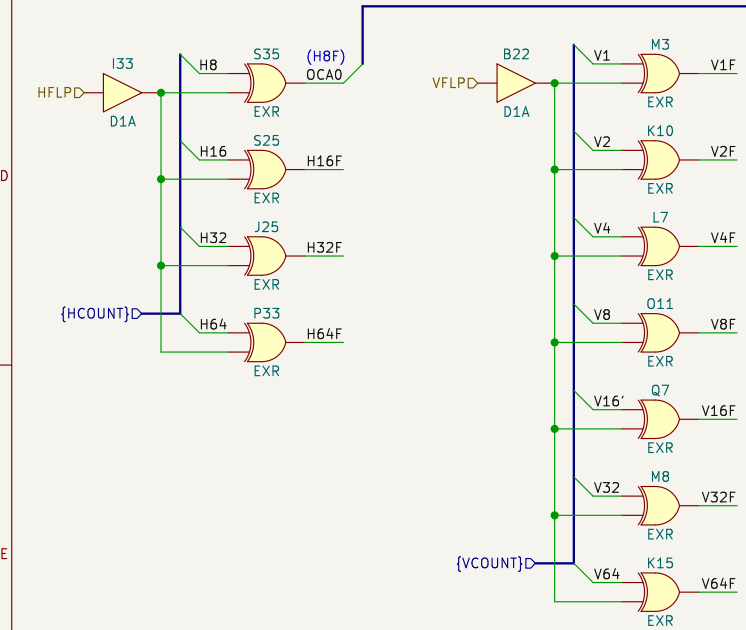
Title:		
Size: A3	Date: 2023-12-22	Rev:
KiCad E.D.A. 8.0.8	Id: 4/7	

Object Character Select Address

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



VSIZE1	VSIZE0	VSIZE	HSIZE1	HSIZE0	HSIZE	OCAS2	OCAS1	OCAS0	0	16H16V
0	0	16	0	0	16	0	0	0	0	32H16V
0	0	16	1	0	64	0	0	0	1	64H16V
0	0	16	1	1	128	0	1	1	0	128H16V
0	1	32	0	0	16	1	0	0	1	16H32V
0	1	32	0	1	32	1	0	0	1	32H32V
0	1	32	1	0	64	0	1	1	0	64H32V
0	1	32	1	1	128	0	1	1	0	128H32V
1	0	64	0	0	16	0	0	0	0	16H64V
1	0	64	0	1	32	0	1	1	0	32H64V
1	0	64	1	0	64	1	1	0	0	64H64V
1	0	64	1	1	128	1	1	1	0	128H64V
1	1	128	0	0	16	1	1	0	0	16H128V
1	1	128	0	1	32	1	1	1	0	32H128V
1	1	128	1	0	64	1	1	0	0	64H128V
1	1	128	1	1	128	1	1	1	0	128H128V



Size	16H16V	16H32V	32H32V	64H16V	64H32V	128H16V	128H32V	128H64V	128H128V
H8F	16H16V	16H32V	32H32V	64H16V	64H32V	128H16V	128H32V	128H64V	128H128V
H8F	16H16V	16H32V	32H32V	64H16V	64H32V	128H16V	128H32V	128H64V	128H128V
H8F	16H16V	16H32V	32H32V	64H16V	64H32V	128H16V	128H32V	128H64V	128H128V
H8F	16H16V	16H32V	32H32V	64H16V	64H32V	128H16V	128H32V	128H64V	128H128V
H8F	16H16V	16H32V	32H32V	64H16V	64H32V	128H16V	128H32V	128H64V	128H128V
H8F	16H16V	16H32V	32H32V	64H16V	64H32V	128H16V	128H32V	128H64V	128H128V
H8F	16H16V	16H32V	32H32V	64H16V	64H32V	128H16V	128H32V	128H64V	128H128V
H8F	16H16V	16H32V	32H32V	64H16V	64H32V	128H16V	128H32V	128H64V	128H128V
H8F	16H16V	16H32V	32H32V	64H16V	64H32V	128H16V	128H32V	128H64V	128H128V

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

