

PH_CLK	Signal	P3
1	S1Q1	2
2	S1Q2	4
3	S1Q3	6
4	S1Q4	8
5	S2Q1	3
6	S2Q2	13
7	S2Q3	12
8	S2Q4	14
9	S3	15
10	RG	9
11	SG	11
12	P1A	1
13	P1B	5
14	P2A	10
15	P2B	7
16	P3A	16
17	P3A MPP	17
18	P3B	18
19	P3B MPP	19
20	TGA	20
21	TGA MPP	21
22	TGB	22
23	TGB MPP	23

CDO	DRIVE
1	S1Q1
2	S1Q2
3	S1Q3
4	S1Q4
5	S2Q1
6	S2Q2
7	S2Q3
8	S2Q4
9	S3
10	RG
11	SG
12	P1A
13	P1B
14	P2A
15	P2B
16	P3A
17	P3B
18	TGA
19	TGB

Title

SINISTRO CAMERA CLOCK DRIVER

REV. DATE JAN 2, 2013

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\\.\Sinistro Clk 30 Rev 4.SchDoc

Drawn By:

A

B

C

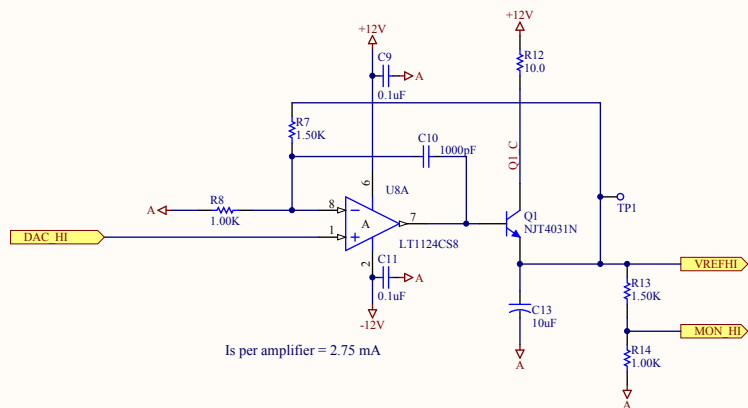
D

A

B

C

D



Is per amplifier = 2.75 mA

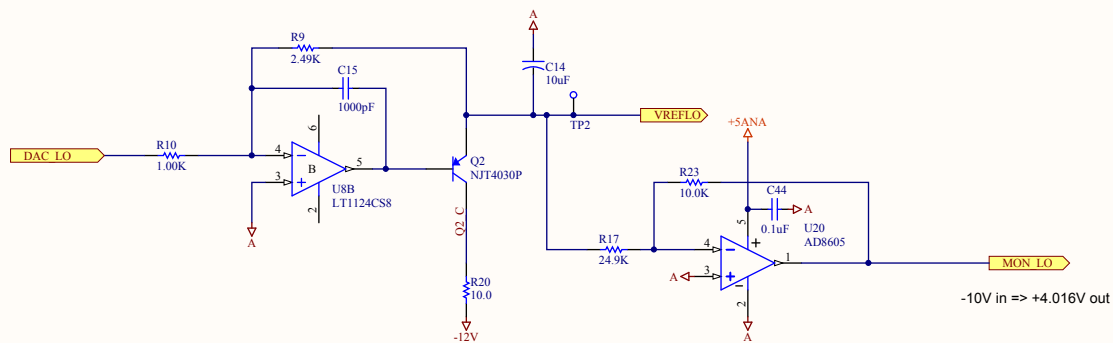
Max quiescent pwr for U8 = 132 mW

Max q pwr for Q1 or Q2 (+6V/-6V out) = 21.6 mW

### Power Dissipation (worst case)

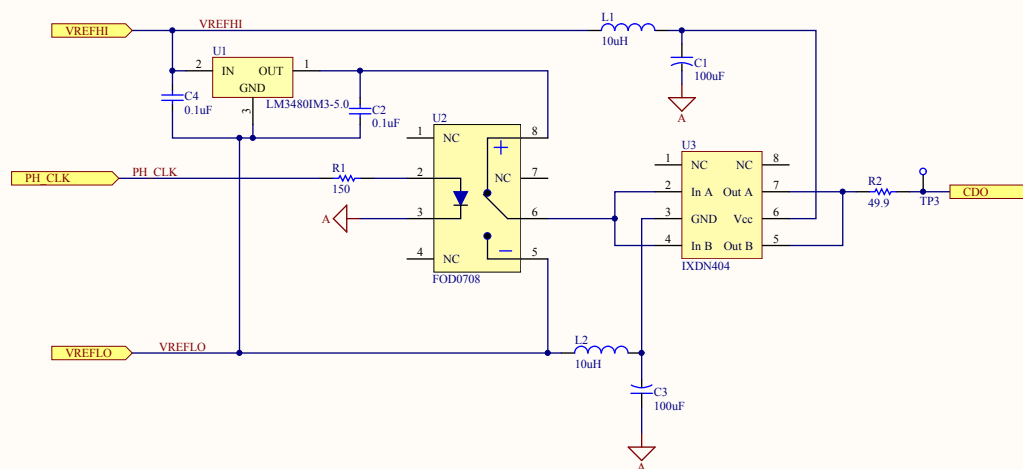
	U8	Q1 or Q2 quiescent (Vout = +/- 6V)	Q1 or Q2 Load* (Vout = +/- 6V)	Total W (U8 + Q1 +Q2)
VREFHI/LO 1	132mW	21.6mW	319 mW	814 mW
VREFHI/LO 2	"	"	neg	175 mW
VREFHI/LO 3	"	"	neg	175 mW
VREFHI/LO 4	"	"	406 mW	988 mW
VREFHI/LO 5	"	"	288 mW	752 mW
VREFHI/LO 6	"	"	9.2 mW	194 mW
				<b>2.92 W</b>

\*1 MHz pixel rate/all quadrants clocked

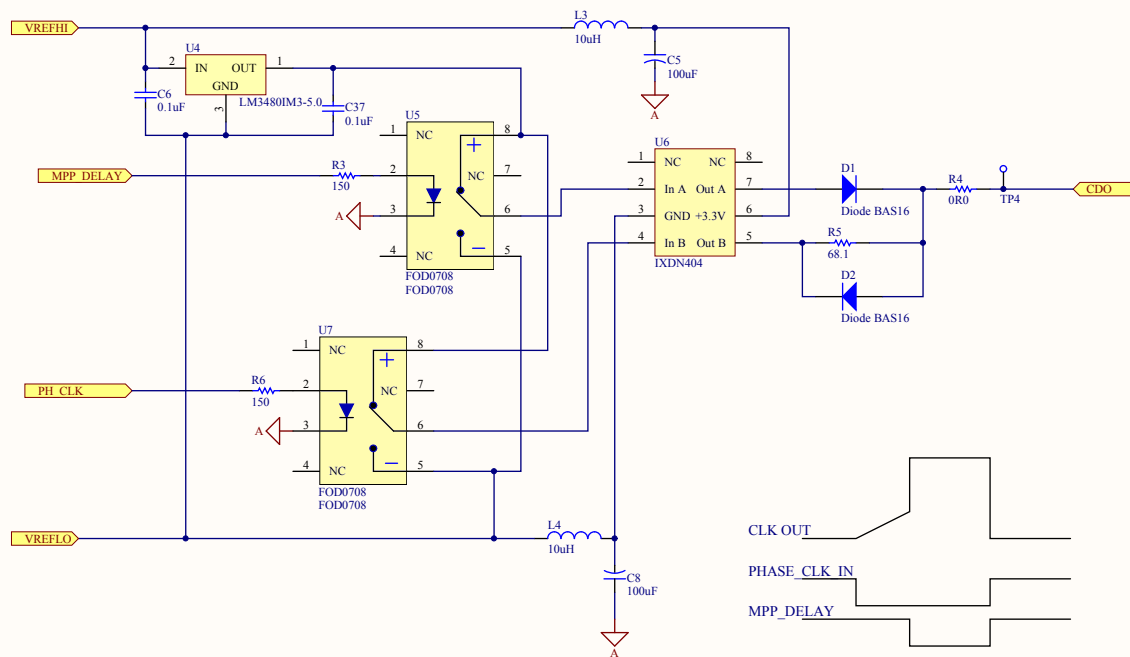


-10V in => +4.016V out

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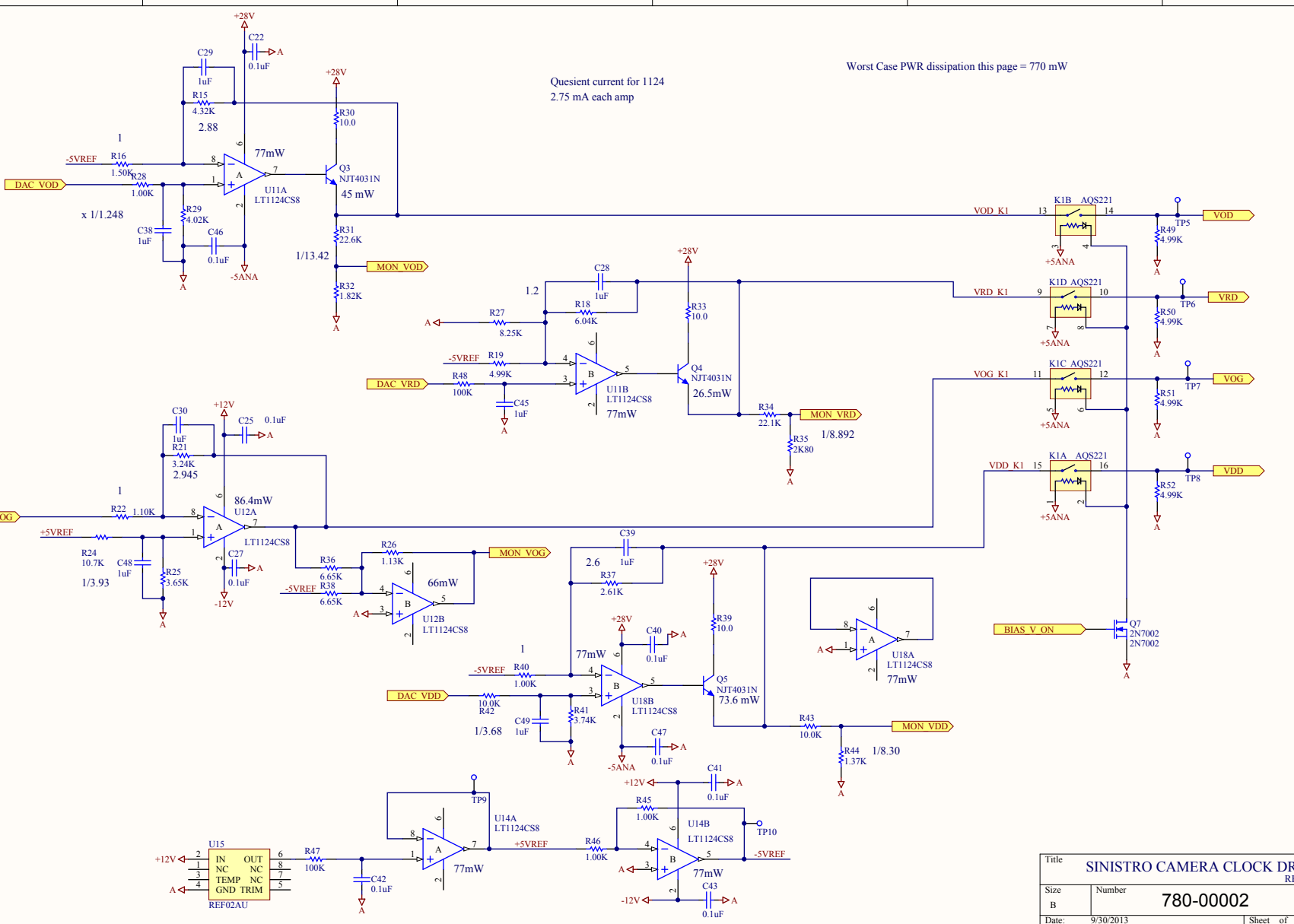


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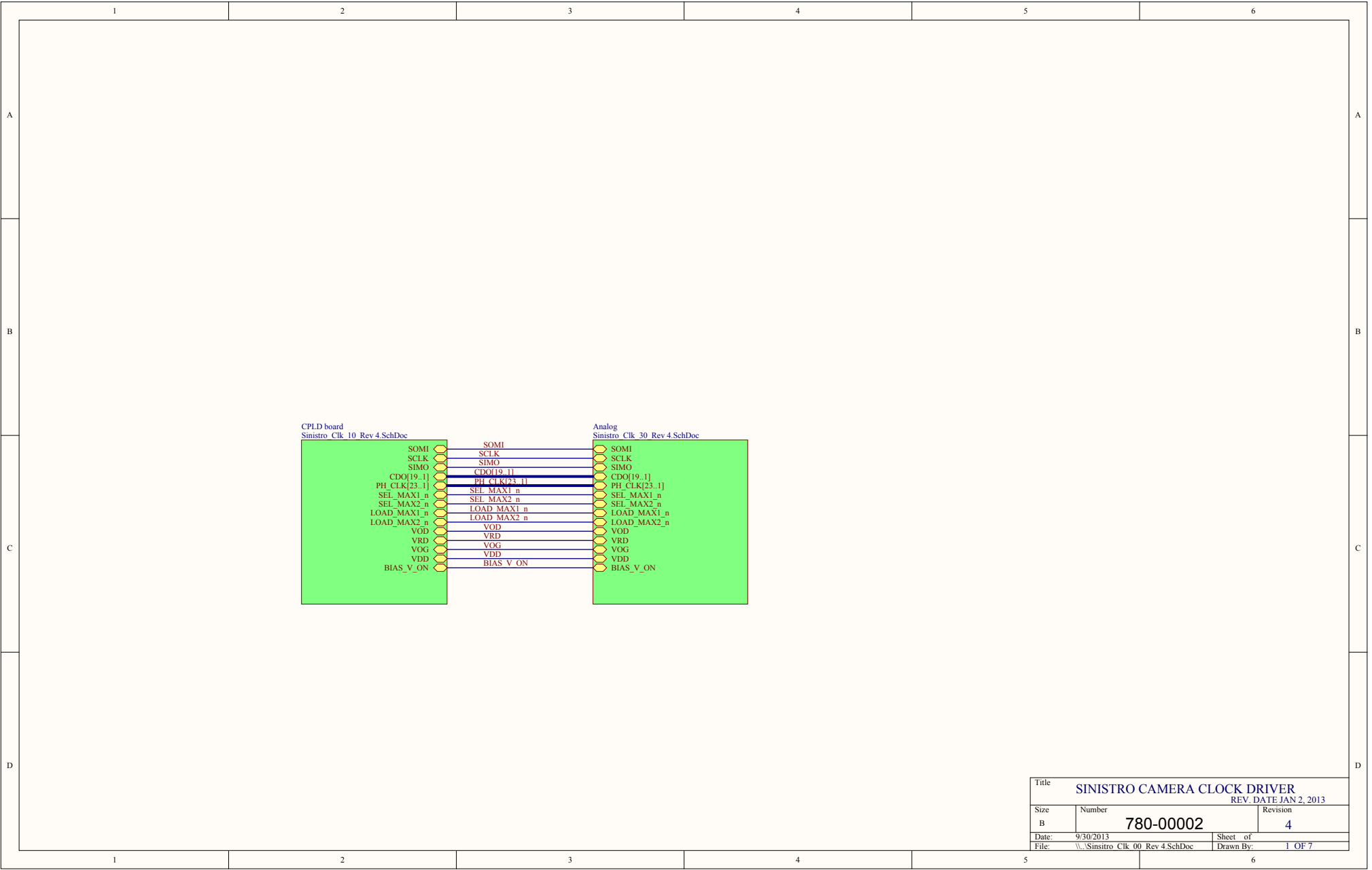
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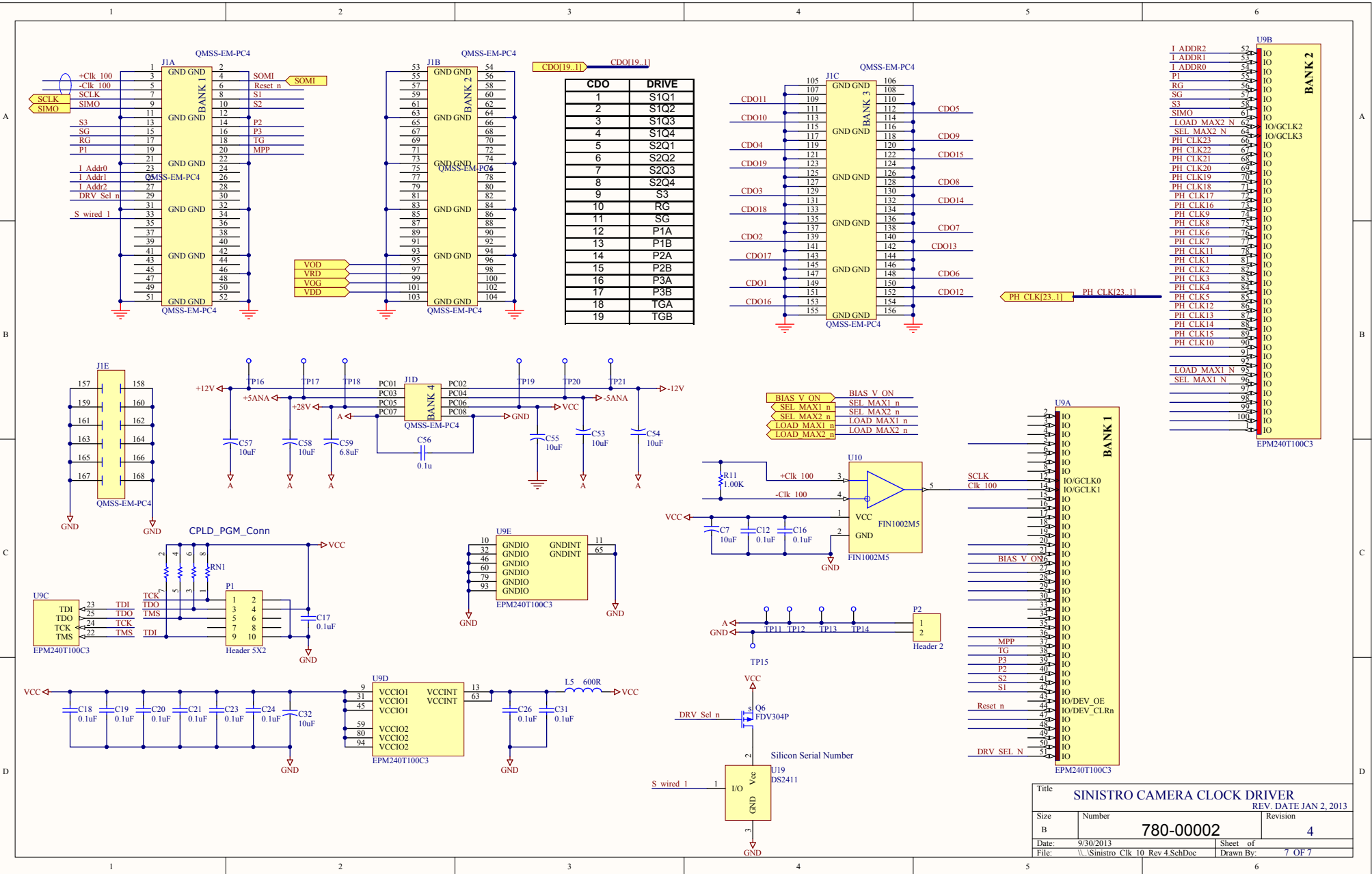
1 2 3 4 5 6



1 2 3 4 5 6

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