P60, GeFORCE2 MX 200, 4MX16 SDR, 32MB, RGB, TV, AGP4X

PCI DEVICE ID 0X0=0X111 FOR NV11.

STRAPS: AGP4X, SIDEBAND DIS, FAST WRITE DIS, AGP BIOS, NORMAL PCIAD, 14.318MHZ

TV out will be stuffed on both PCB sides!

Stuffing Options	Meaning
1 BT	stuff Brooktree BT868/869 TV encoder
2 CX	stuff Conexant CX25870/871 TV encoder
3 CH	stuff Crontel CH7007 TV encoder
4 NO_TV	no TV, just a bracket without TV cutout
5 NV_BOTTOM	stuff caps on bottom side under GPU
6 RGB_PROT	RGB protection diodes

PAGE OVERVIEW
1 top (this) page
2 NVXX host
3 AGP I/O
4 NVXX DAC
5 DAC I/O
6 NVXX FBA/FBB
7 FBA DDR 4Mx32
8 ROM & straps
9 TV encoder
10 power supply

HISTORY:

X00
Based on P43-A01
Initial

X01
Changed CLK and DQS termination options

X02
Added alternative caps for power supply
Changed cap packages (cost reduction)
Connected U700.67 to VAA3.3V (CX-fix)

X03
Moved some strapping to the bottom side
Updated some PCB symbols

X04
Deleted extra components of the AGP bus

X05
Added note for DQS feedback.

X06
C818 changed from 3.3V to 5V decoupling in RGB section (see page 5).

X07
Updated pin-/function swaps

X08
added cap for TVCLK from CH to NV11

X09
deleted unplaceable decoupling caps C140, C141, C150

A00
no chages, just release ...

602-10060-0000-X04

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3535 Monroe St
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Size	CAGE Code	DWG NO	Rev
B			

	Scale		Sheet
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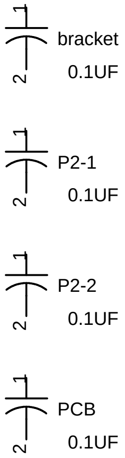

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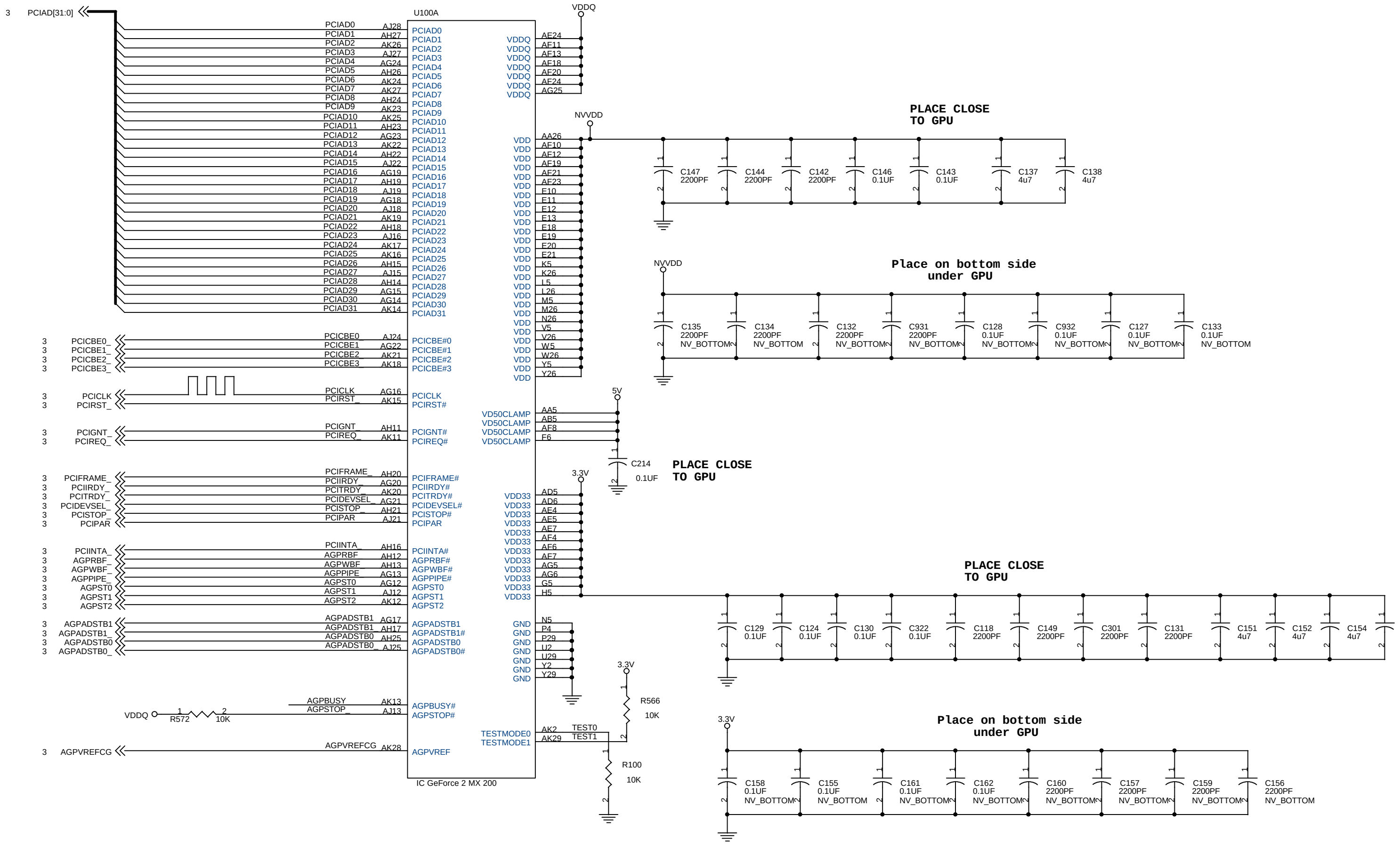
Date: Wednesday, April 03, 2002
Sheet 1 of 1



1a. NVXX HOST

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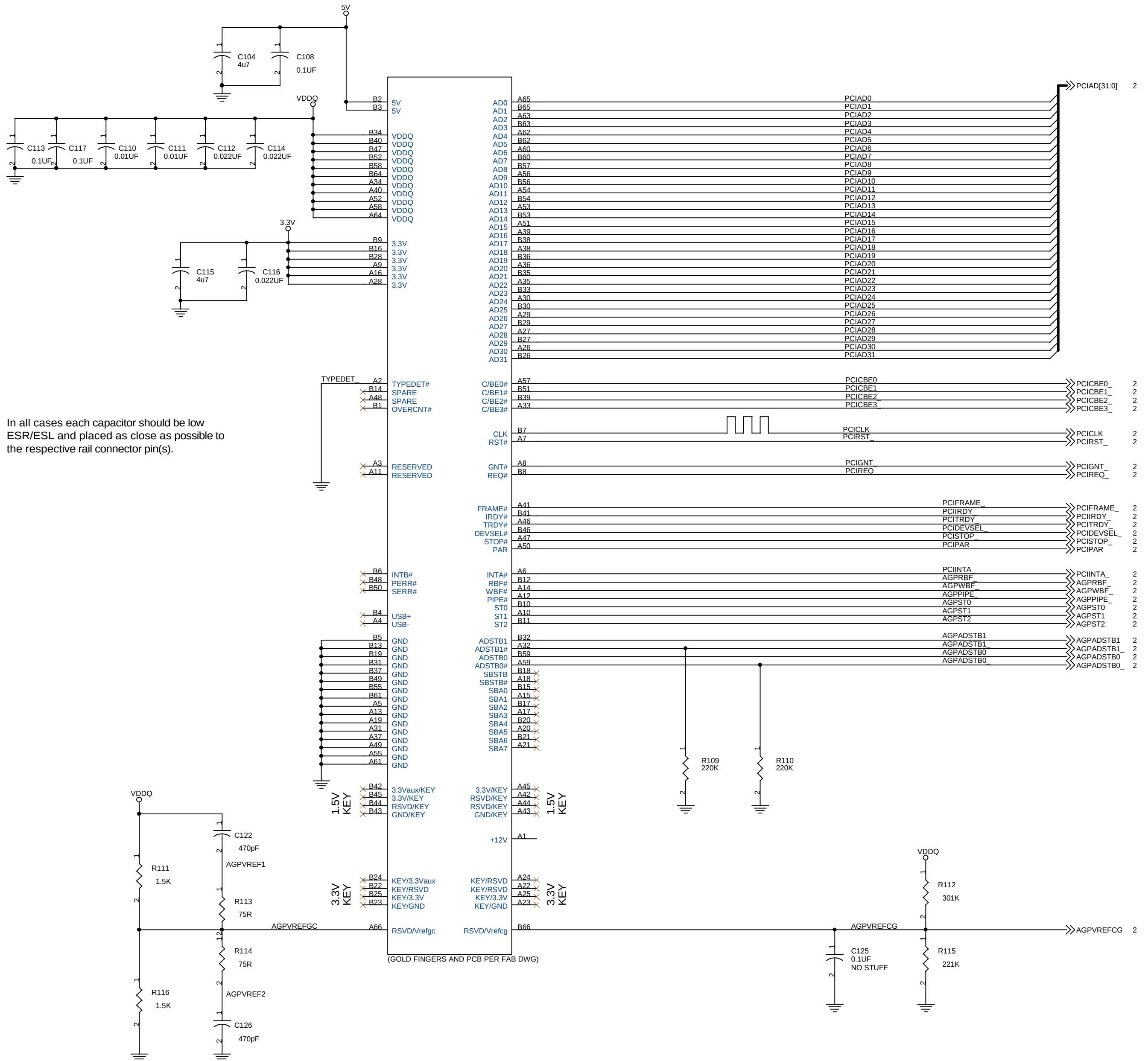

In all cases each capacitor should be low ESR/ESL and placed as close as possible to the respective rail connector pin(s).

1b1. AGP I/O

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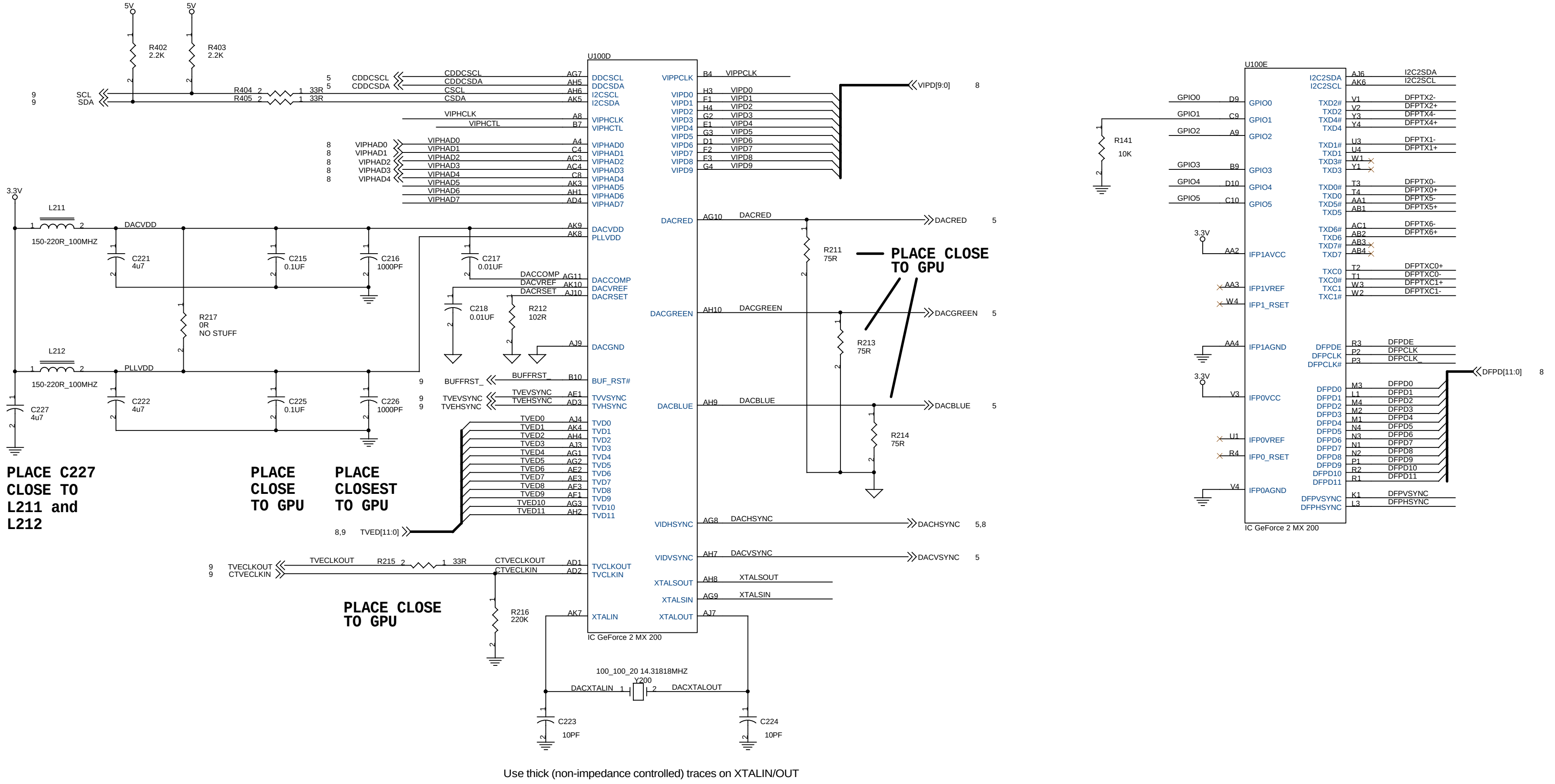

PLACE C227 CLOSE TO L211 and L212

PLACE CLOSE TO GPU

PLACE CLOSEST TO GPU

PLACE CLOSE TO GPU

PLACE CLOSE TO GPU

Use thick (non-impedance controlled) traces on XTALIN/OUT

2b. NVXX DAC

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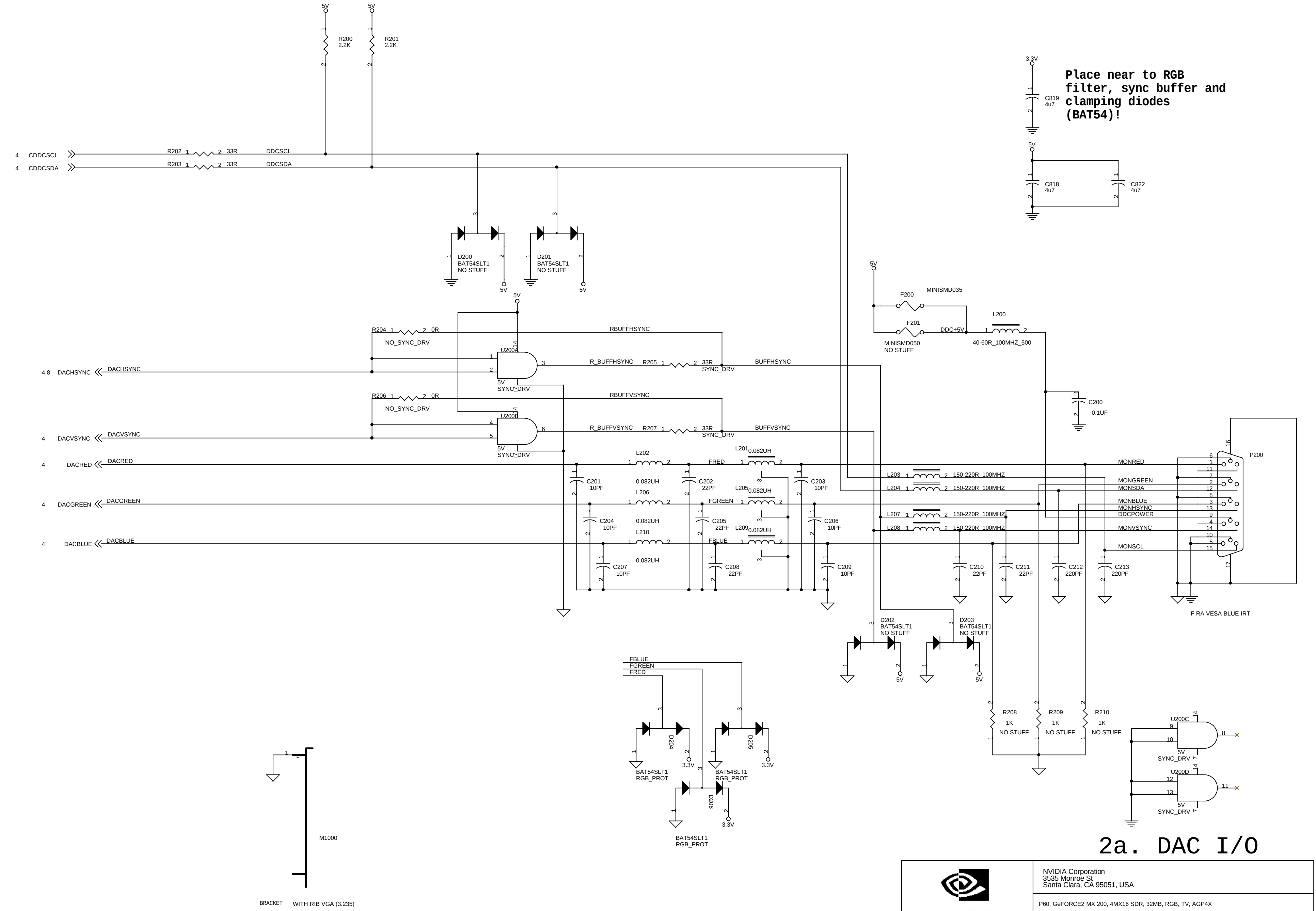

Place near to RGB filter, sync buffer and clamping diodes (BAT54)!

2a. DAC I/O

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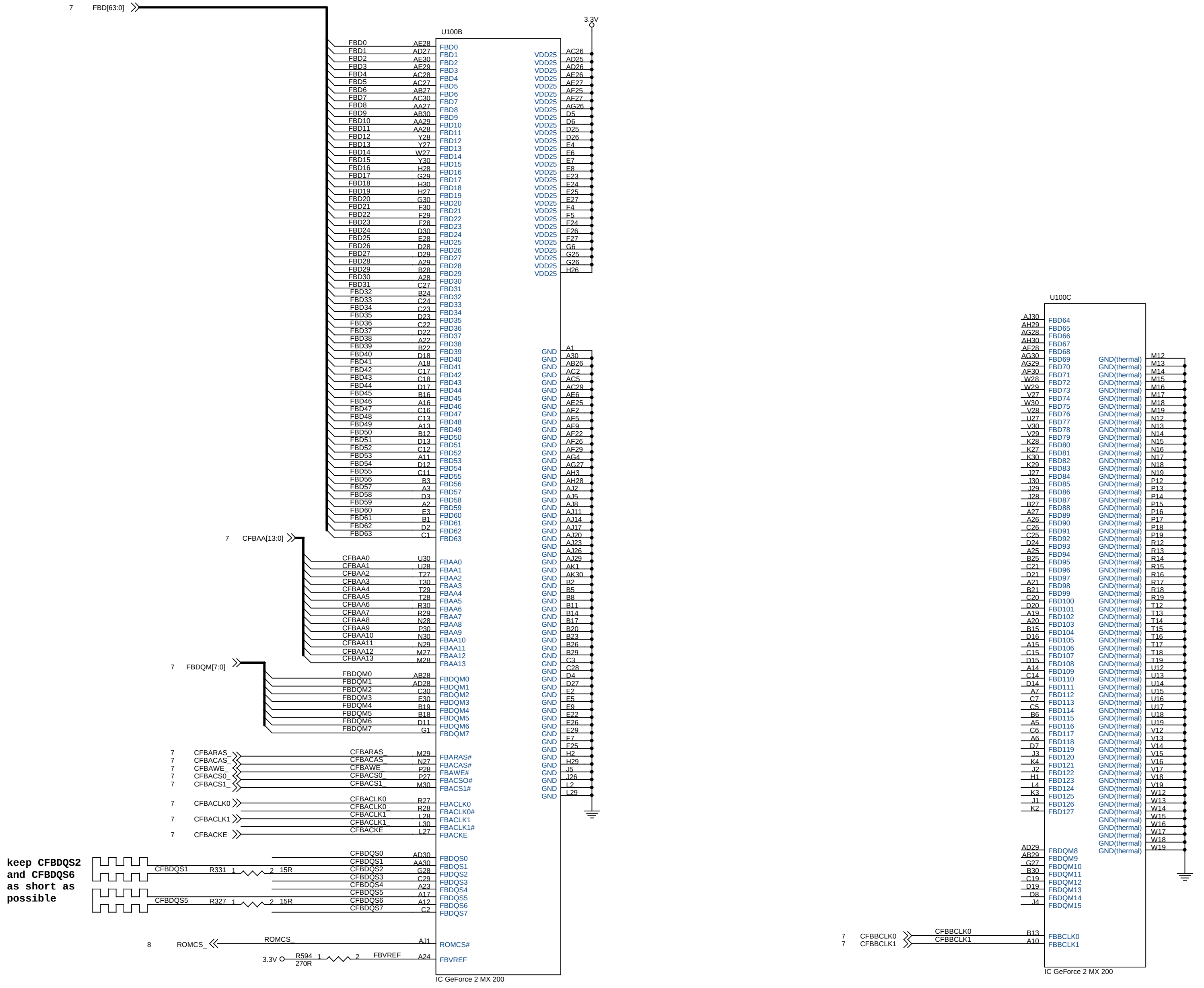

3a. NVXX FBA/FBB

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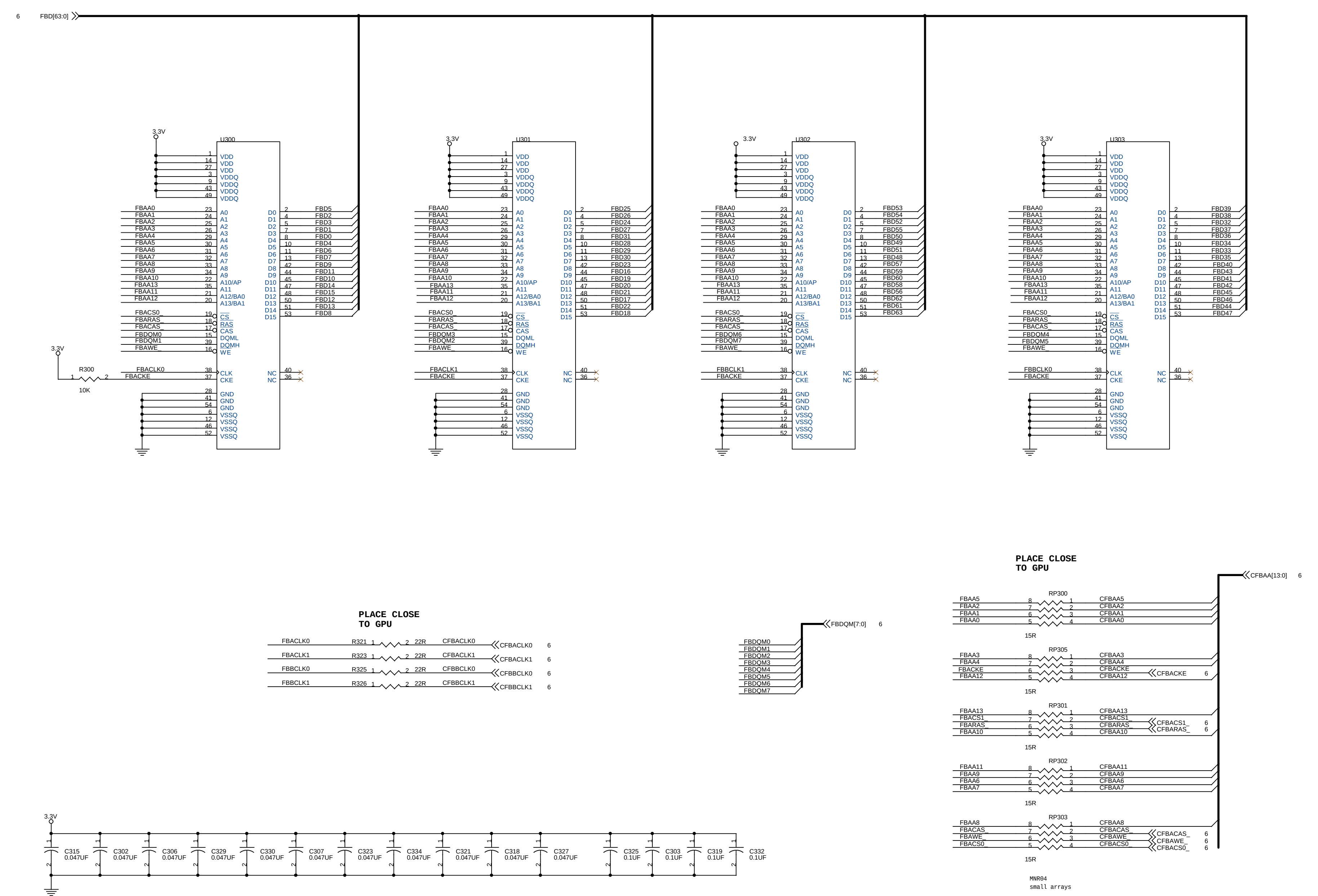

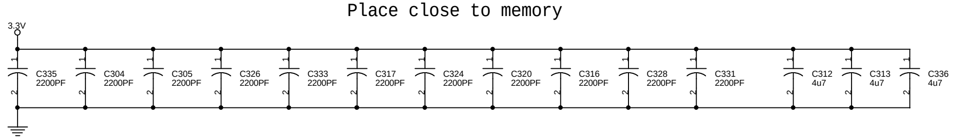

3c1 FBA DDR 4MX32 SDRAM

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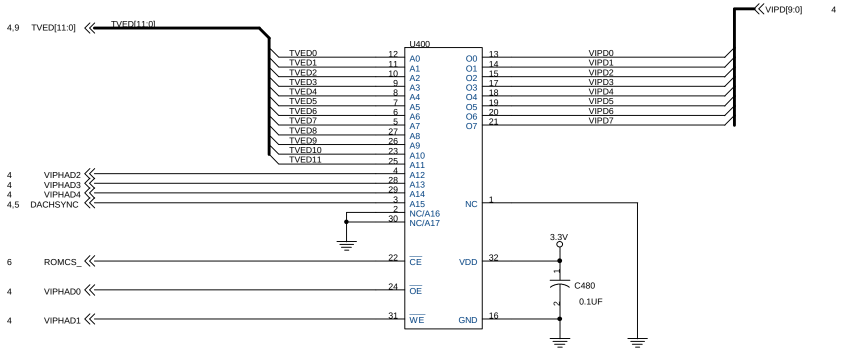

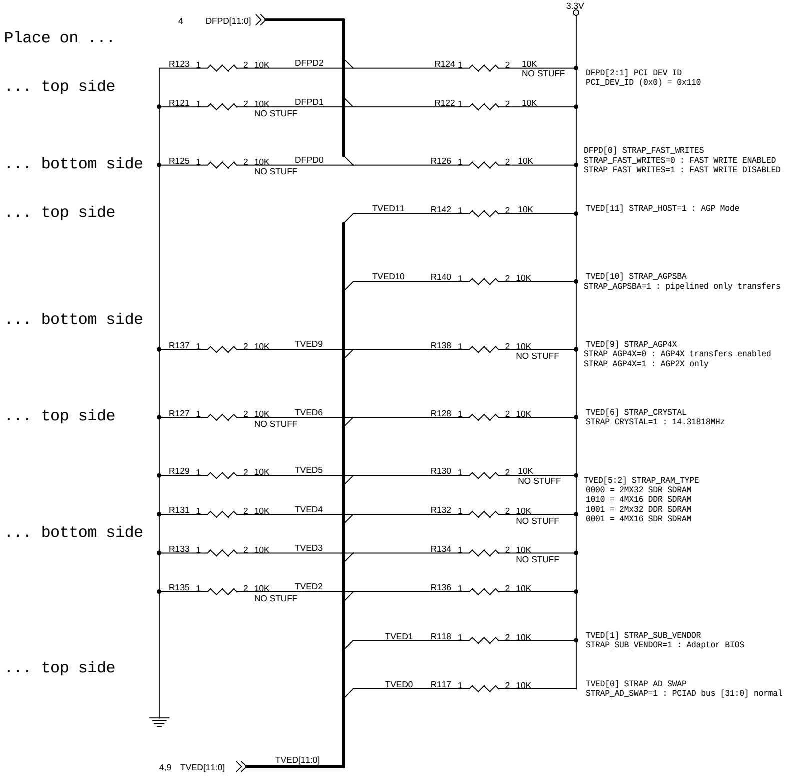

4a. ROM & STRAPS

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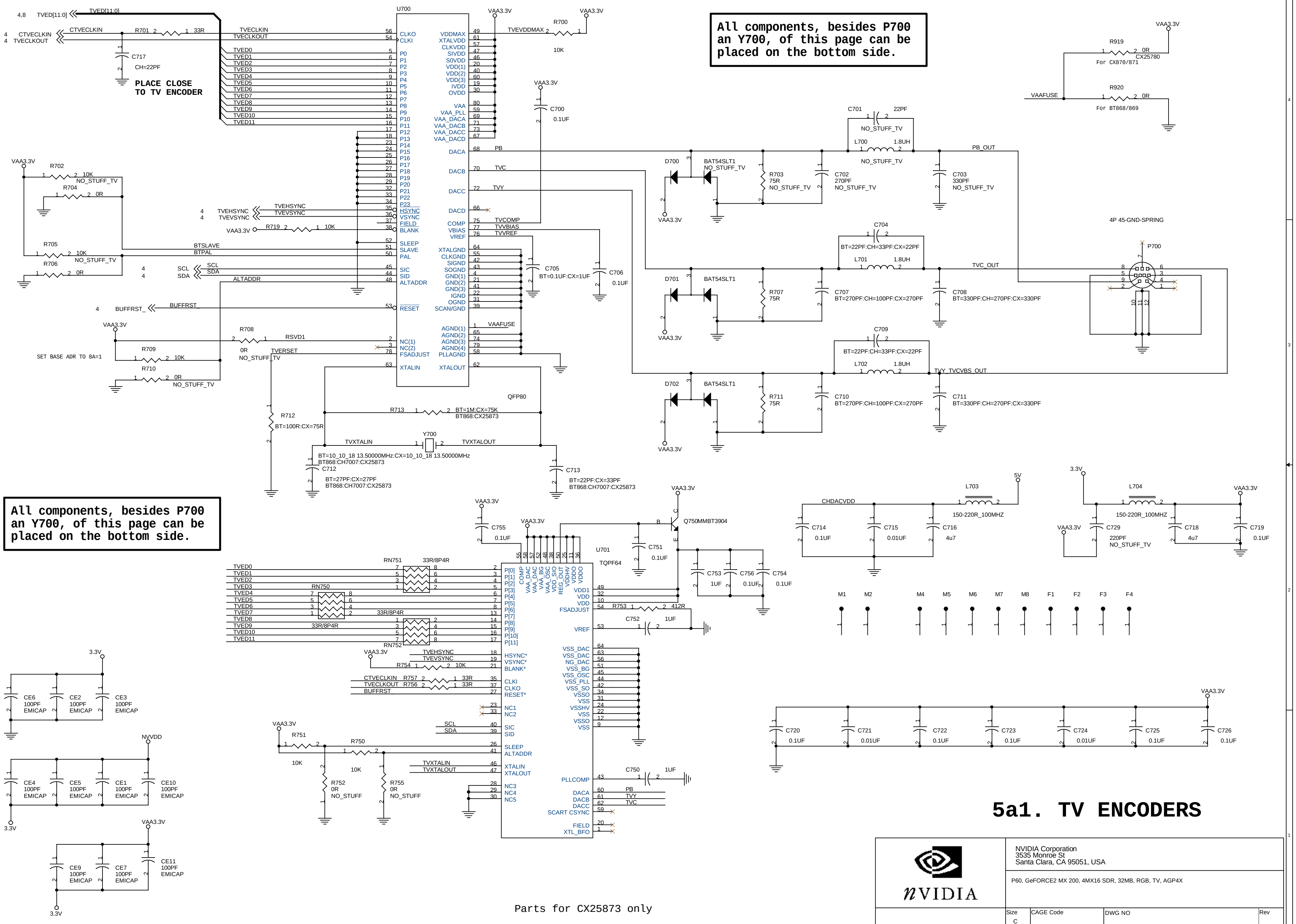
All components, besides P700 an Y700, of this page can be placed on the bottom side.



All components, besides P700 an Y700, of this page can be placed on the bottom side.

Parts for CX25873 only

5a1. TV ENCODERS

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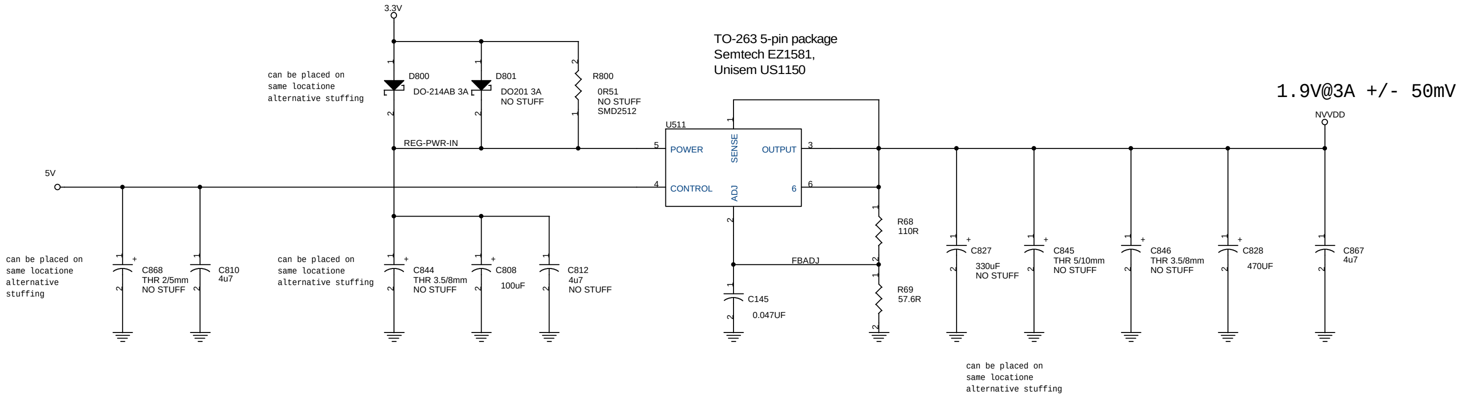

3b. power supply

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Size C	CAGE Code	DWG NO	Rev
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