

P75, NV17-Pro, 4MX32 DDR BGA, 64MB, RGB, dual DVI-I, VGA TV-out, video capture, stereo, AGP4X



HISTORY:

A01-X00:
started with P75-A00
added the TV-out filter to the TV_OUT_CX assembly
fixed strapping bugs for xtal and rom
remove the Conexant TV encoder
add serial termination for the DVO port

A01-X01:
changed switcher input to 3.3V
added 2.8V supply for IPFPPLVDD

A01-X02:
added possible OCSet circuit to Semtech switcher (R640,R641,C640)

A01-X03:
DVO pinswap

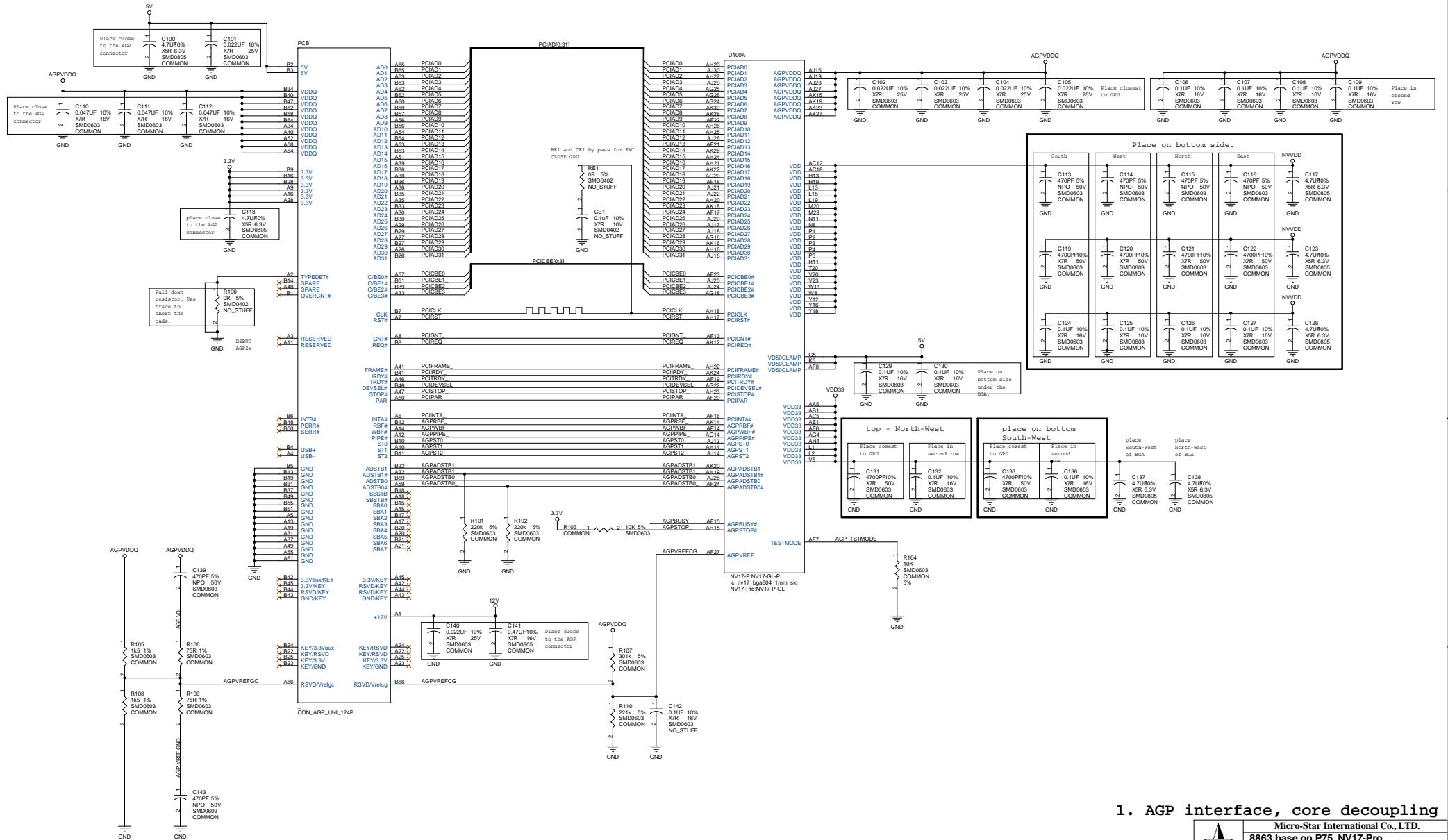
A01-X04:
fixed 0603 caps on 0402 footprints

PCI DEVICE ID 0X0 see strapping options.

Stuffing Options	Meaning
COMMON	the common components
1117	stuff fixed 1117 linear regulator for analog 3.3V
1117_ADJ	stuff adjustable 1117 linear regulator for analog 3.3V
NO_1117	bypass the linear regulator for analog 3.3V
BP_FBVDDQ	bypass the linear regulator for FBVDDQ (=> FBVDDQ=FBVDD)
SET_FBVDDQ	set the FBVDDQ voltage (memory IO)
SET_FBVDD	set the FBVDD voltage (memory core)
SET_NVVDD	set the NVVDD voltage (GPU core)
BP_VDD33	bypass the VDD33 voltage for the GPU
VDD33	stuff the VDD33 regulator components
SET_VDD33	set the VDD33 voltage
SC	stuff the Semtech switcher
SC1565	stuff FBVDDQ voltage regulator SC1565
IRU	stuff the IR switcher
IRU_VID	stuff the VID setting resistors of the IR switcher
IRU_POWSEQ	stuff the power sequencing circuit for the IR switcher
VIDCAP	stuff the video capture circuit with SAA7114
TV_OUT_PH	stuff TV-out with the Philips encoder SAA7102
VIVO	stuff video in/out with SAA7108
VGA-B_PROT	stuff the protection diodes around DAC B
DVI-I-A_PROT	stuff the protection diodes around DVI-I A
VGA-B	stuff the VGA connector at DAC B
VGA-B-SYNCBUFF	stuff the sync buffer for DAC B/DVI-I-B
DVI-I-A-SYNCBUFF	stuff the sync buffer for DVI-I-A
NO_DVI-I-A-SYNCBUFF	bypass the sync buffer for DVI-I-A
NO_VGA-B-SYNCBUFF	bypass the sync buffer for DAC B/DVI-I-B
DVI-I-A	stuff the DVI-I at DAC A (and the SII164)
DVI-I-B	stuff the DVI-I at DAC B (and internal transmitter)
STEREOSYNC1	stuff the stereo synchronisation for DAC A
STEREOSYNC2	stuff the stereo synchronisation for DAC B
STEREOSYNCS	stuff the switchable stereo synchronisation
STEREO	stuff the stereo circuit
A_HPLUG	stuff the hot plug detection for DVI-I-A
B_HPLUG	stuff the hot plug detection for DVI-I-B
XOR_HPLUG	stuff the hot plug detection for DVI-I-A and B
VGA-TV-DVI	use the VGA-TV-DVI bracket
VGA-TV	use the VGA-TV bracket
VGA	use the VGA bracket
DVI-TV-DVI	use the DVI-TV-DVI bracket
PASSIVE_HS	use the passive heatsink
FAN	use the fan heatsink and stuff all associated components
TH_Control	stuff the thermal control circuit
MEMORY	the memory stuffing
MEM_STRAP_1111	strap the memory to 1111 (= 4Mx32, 1DQS per 32bit)
MEM_STRAP_1101	strap the memory to 1101 (= 4Mx32, 1DQS per 8bit)
NV17-Pro	stuff the NV17 Pro
NV17-P-GL	stuff the NV17 GL Pro

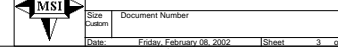
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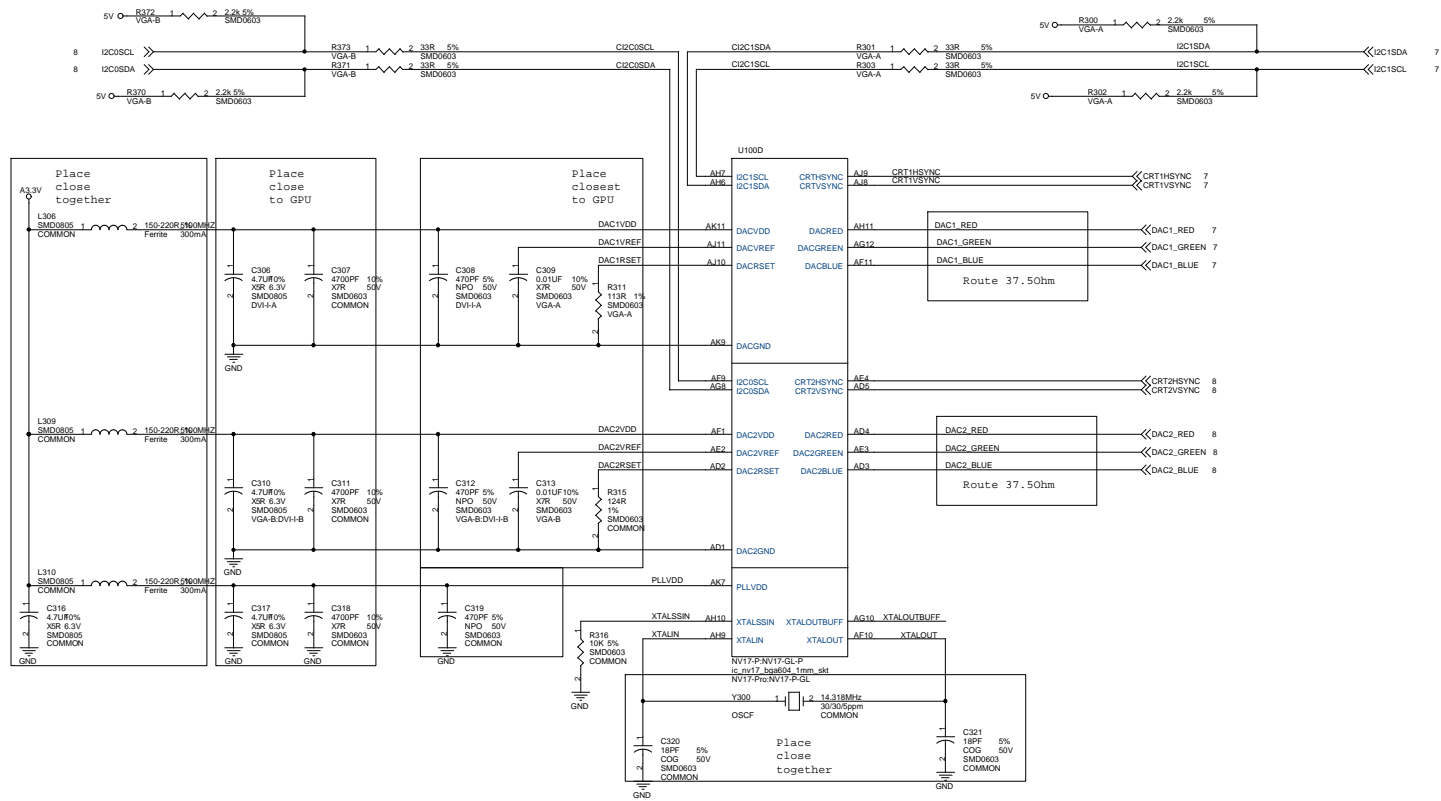
1. AGP interface, core decoupling

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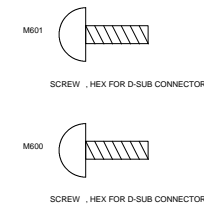



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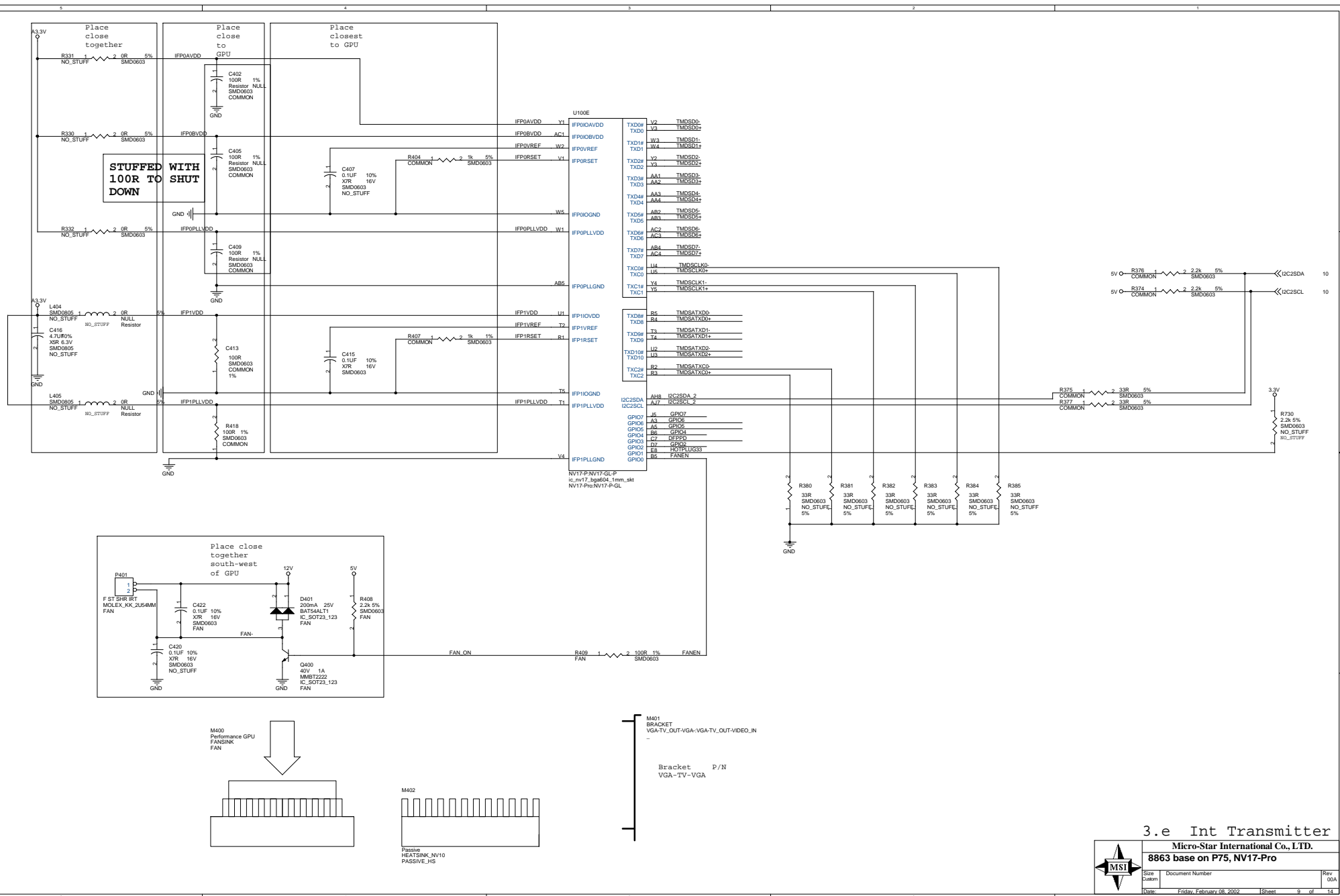


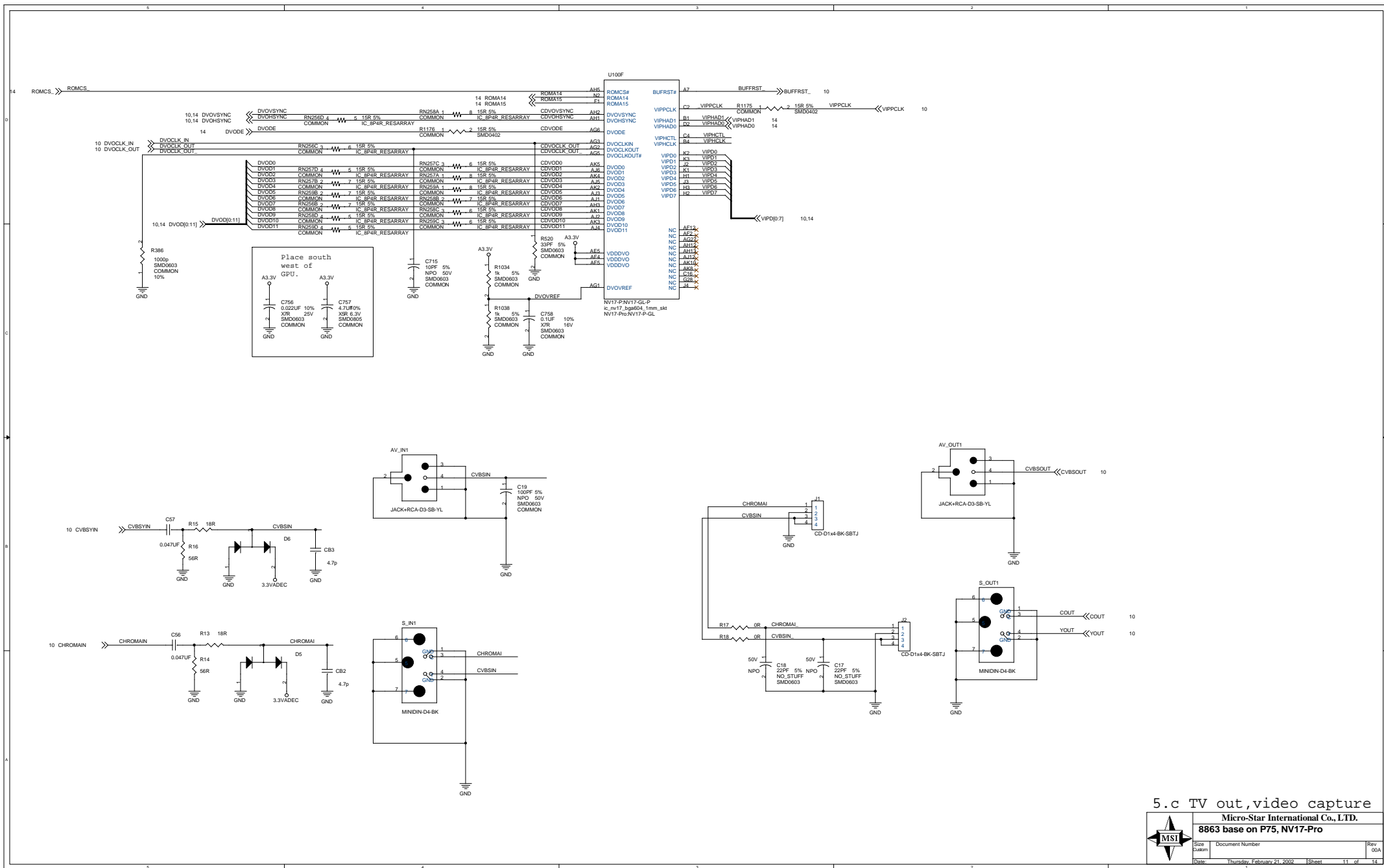
3 . a DACA , DACB , PLL , XTAL

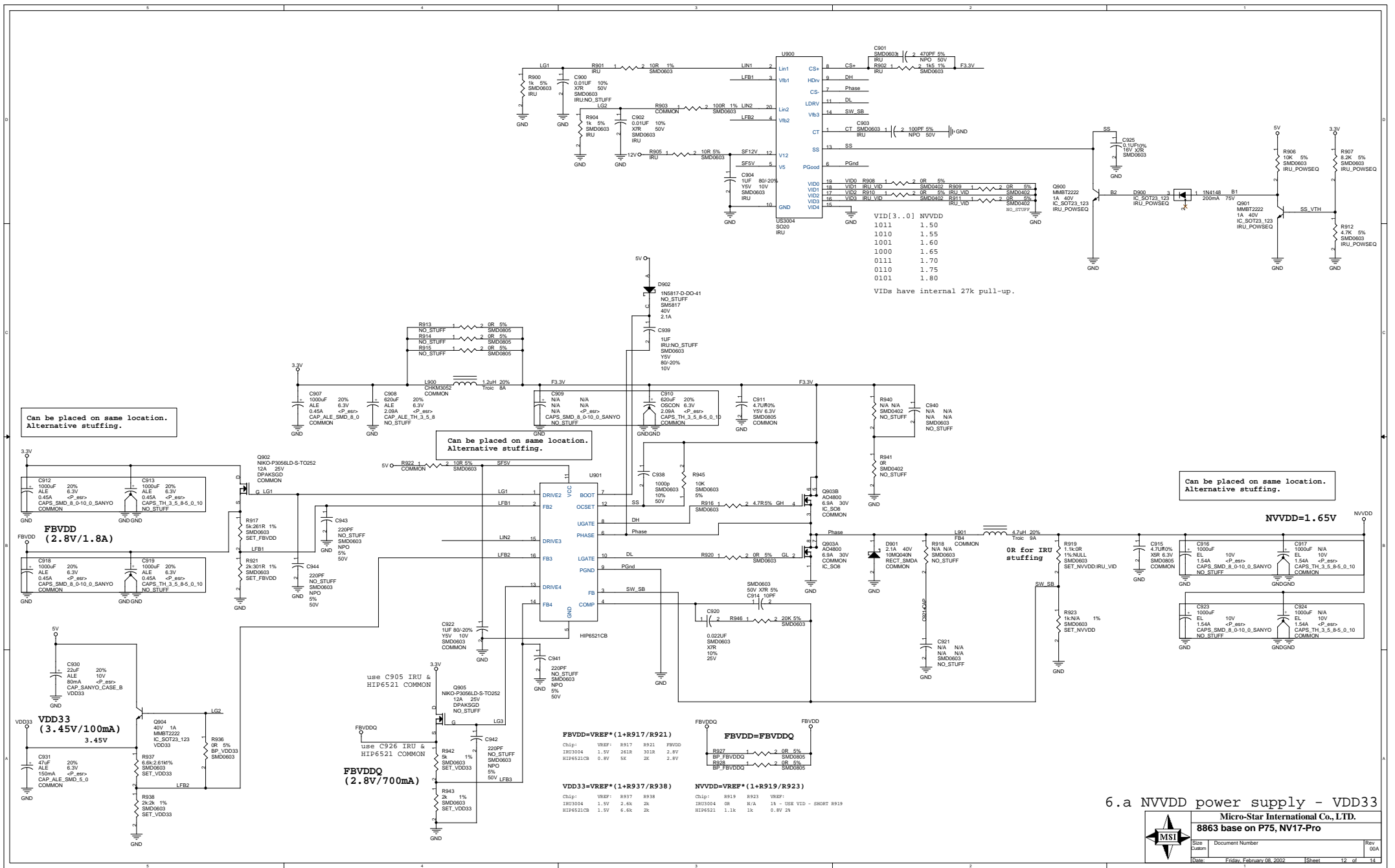
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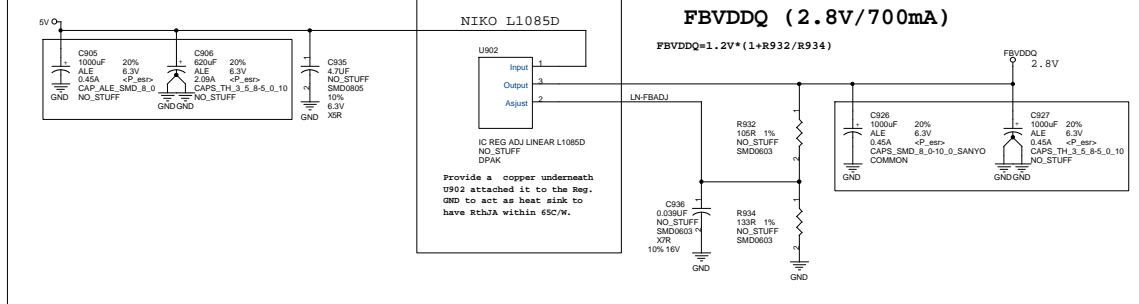
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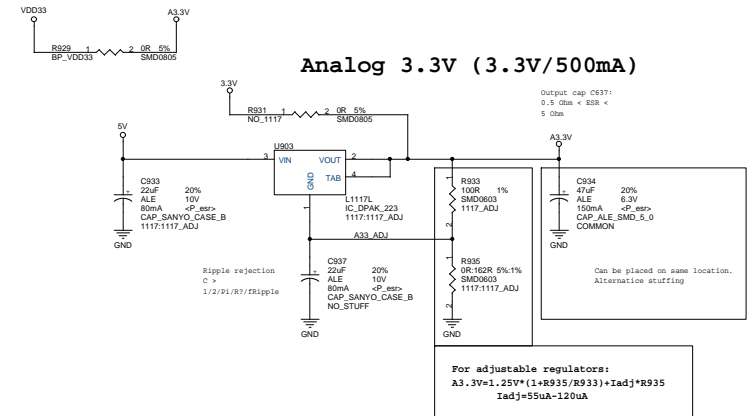




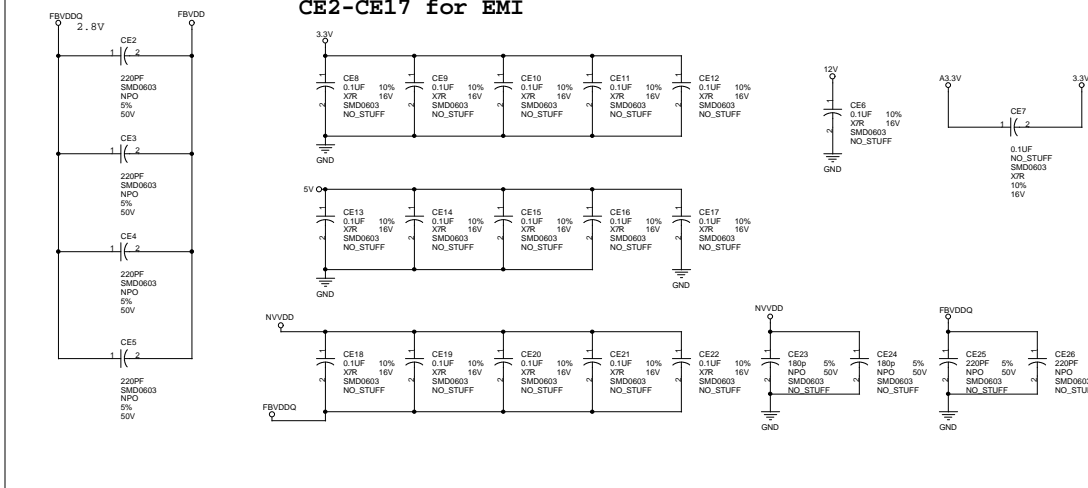
FOR US3004



Analog 3.3V (3.3V/500mA)

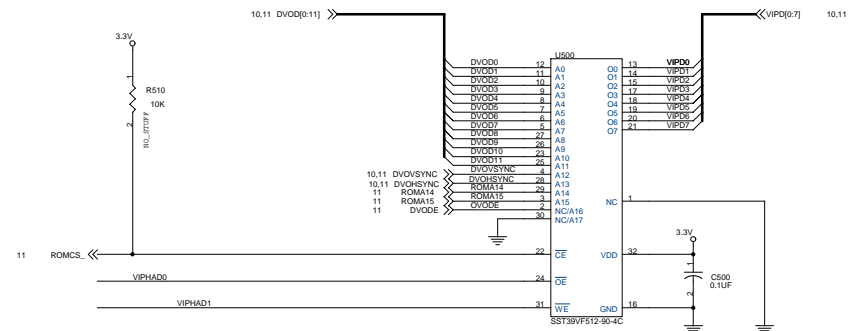
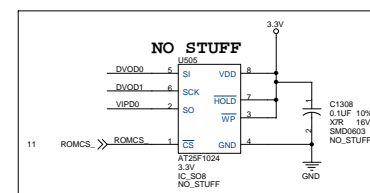


CE2-CE17 for EMI



6.b Analog power supply, FBVDDQ

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7. BIOS, Strapping

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