P402-A02 DESIGN -- G84/G86, 600/700 128/256 MB DDR3, VGA, DVI-I, SD/HDTV

SKU	VARI ANT	NVPN	ASSEMBLY
B 1 2 3 4 5	BASE SKU0000 SKU0010 SKU0500 SKU9100 <undefi ned=""> <undefi ned=""></undefi></undefi>	600-10402-base-sch 600-10402-0000-200 600-10402-0010-200 600-50402-0500-200 600-50402-0500-200 600-10402-9100-200 <undefi ned=""></undefi>	BASE LEVEL GENERIC SCHEMATIC ONLY, COMMON & NO_STUFF ASSEMBLY NOTES AND BOM NOT FINAL G84-300, 600/700MHz 256MHZ 16Mx32 BGA135 GDDR3 DVI+DVI+HDTV-Out G86-400-500/700MHz 256MHZ 16Mx32 BGA135 GDDR3 DVI+VGA_HDTV-Out G84-300, 600/700MHz 256MHZ 16Mx32 BGA135 GDDR3 DVI+DVI+DTV-Out G84-300, 600/700MHz 256MBZ 16Mx32 BGA135 GDDR3 DVI+DVI+DTV-Out <undefined> CUNDEFINED></undefined>
7 8 9 10 11 12 13 14 15	-UNDEFI NED>	CUNDEFI NED> CUNDEFI NED>	 LUNDEF I NED>

PAGE SUMMARY:

```
TABLE OF CONTENTS & REVISION HISTORY
PCI EXPRESS 16X, NVVDD DECOUPLING CAPS, PEX LOVDD/Q DECOUPLING CAPS
FBA MEMORY INTERFACE GPU FBVDD/Q DECOUPLING CAPS
FBA MEMORY INTERFACE GPU FBVDD/Q DECOUPLING CAPS
FBA MEMORY FBVDD/Q DECOUPLING CAPS
FBC MEMORY INTERFACE GPU FBVTT
FBC 8MX32 DDR3 MEMORIES, FBC CMD BUS PU'S, FBC CLK TERMS
FBC MEMORY INTERFACE GPU FBVTT
FBC 8MX32 DDR3 MEMORIES, FBC CMD BUS PU'S, FBC CLK TERMS
FBC MEMORY FBVDD/Q DECOUPLING CAPS GPU GND CONNECTIONS
DACA FILTERS, DACA SYNC BUFFERS & DB15 SOUTH
10 DACC FILTERS, DACC SYNC BUFFERS & DB15 MID
11 TMDS LINK A/B & PU'S, TMDS IO BACKDRIVE PREVENTION, DVI CONNECTOR SOUTH
12 TMDS LINK C/D & PU'S, DVI CONNECTOR MID
13 MI QA & MIOB SLI CONNECTOR
14 MI QA & MIOB SLI CONNECTOR
15 DACB FILTERS, MINIDIN CONNECTOR NORTH, COMPONENT VIDEO OUTPUT CONNECTOR
16 SPDIF-IN HEADER XTAL
17 EXTERNAL THERMAL SENSOR, 2PIN / 4PIN FAN CONTROL, GPIO
18 BIOS STRAPS & MECHANICALS
19 POWER SUPPLY LINEARS: DDCSV, TMDS PLLVDD, DACB VDD, MIOA_VDDQ
10 POWER SUPPLY: 5V, TMDSIOVDD, PEXIV2 AND FBVDDO SWITCHER
10 POWER SUPPLY: 5V, TMDSIOVDD, NVVDD SET CONTROL
```

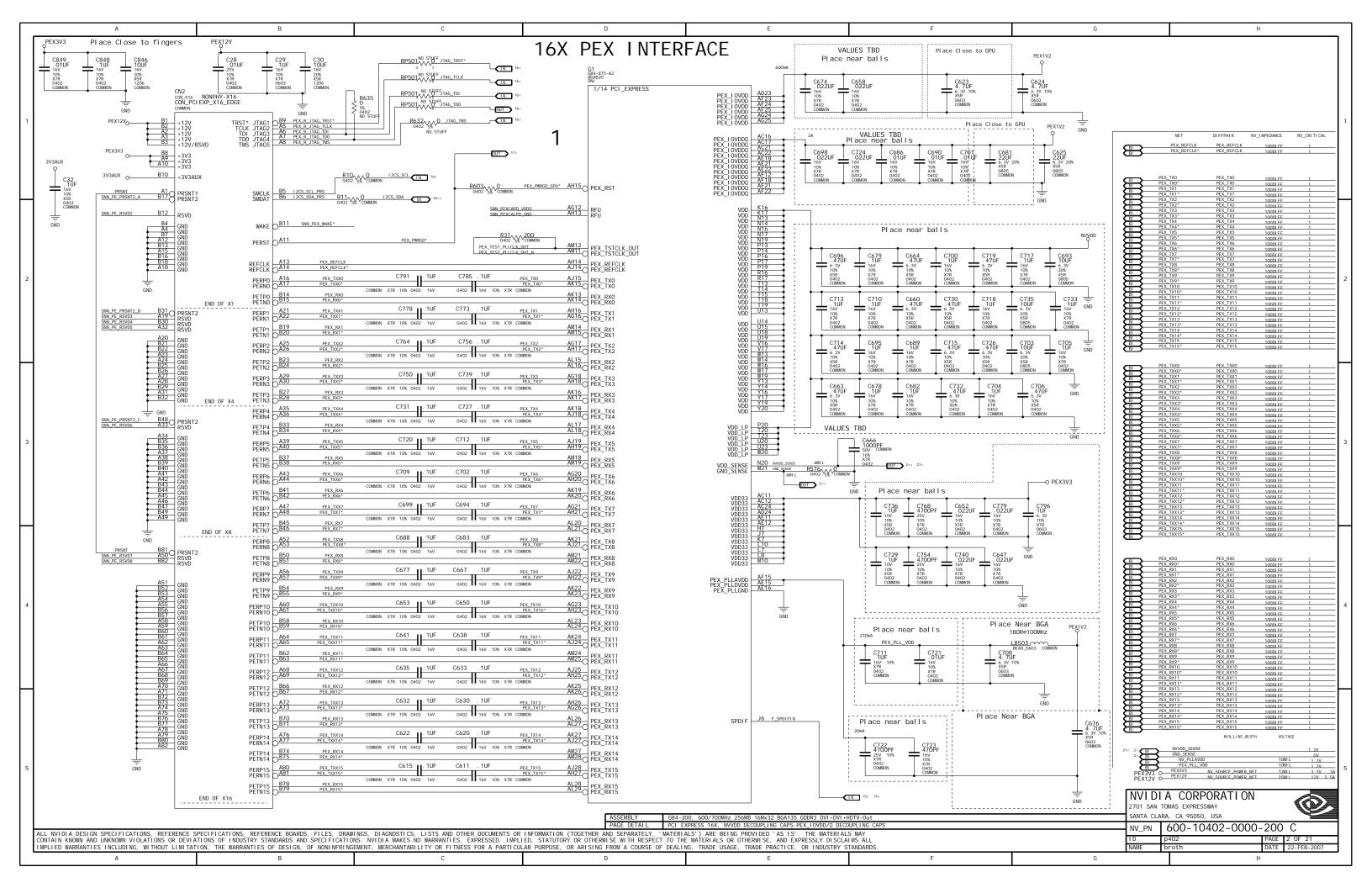
NVIDIA CORPORATION 2701 SAN TOMAS EXPRESSWAY

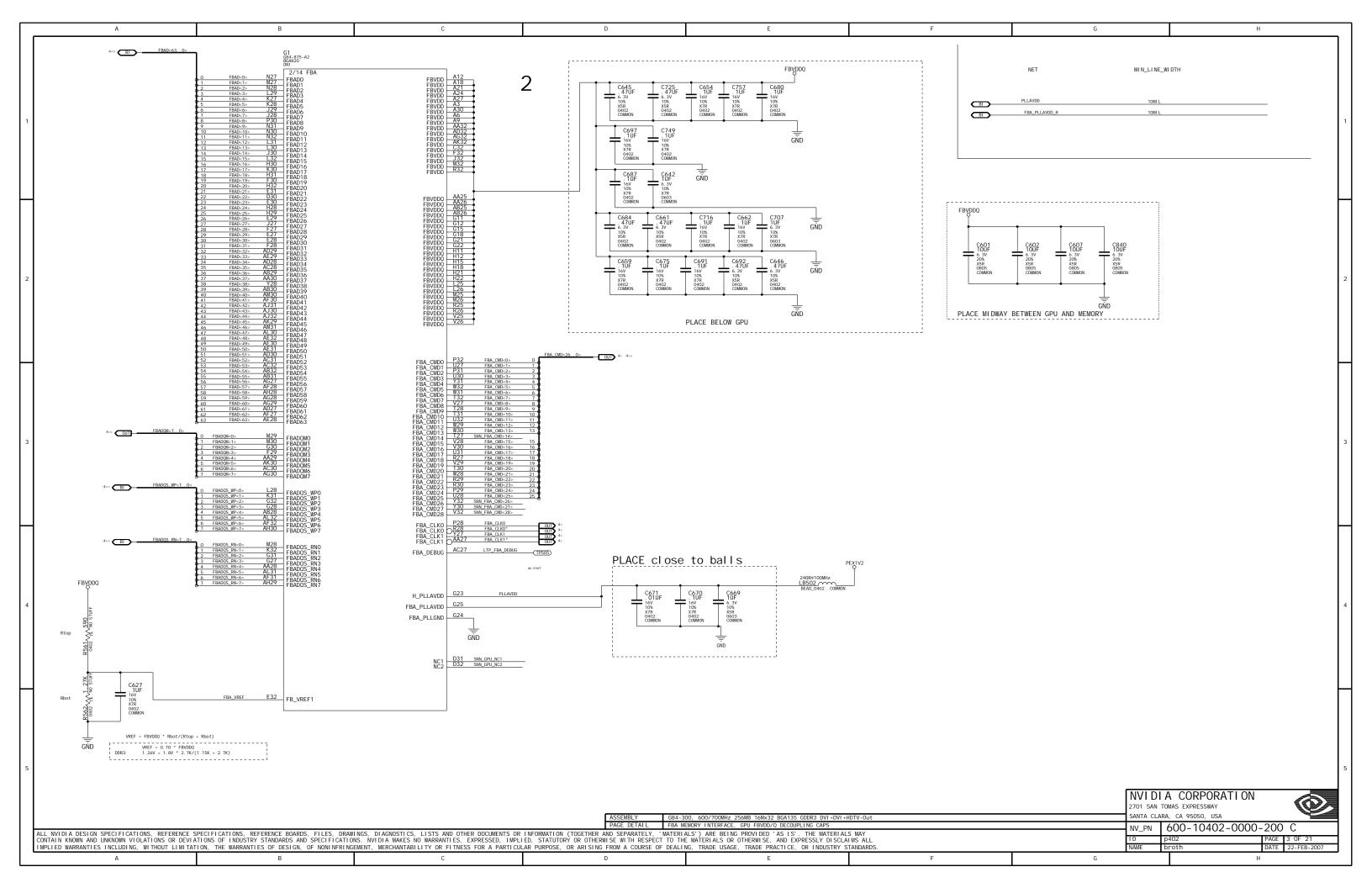
SANTA CLARA, CA 95050, USA

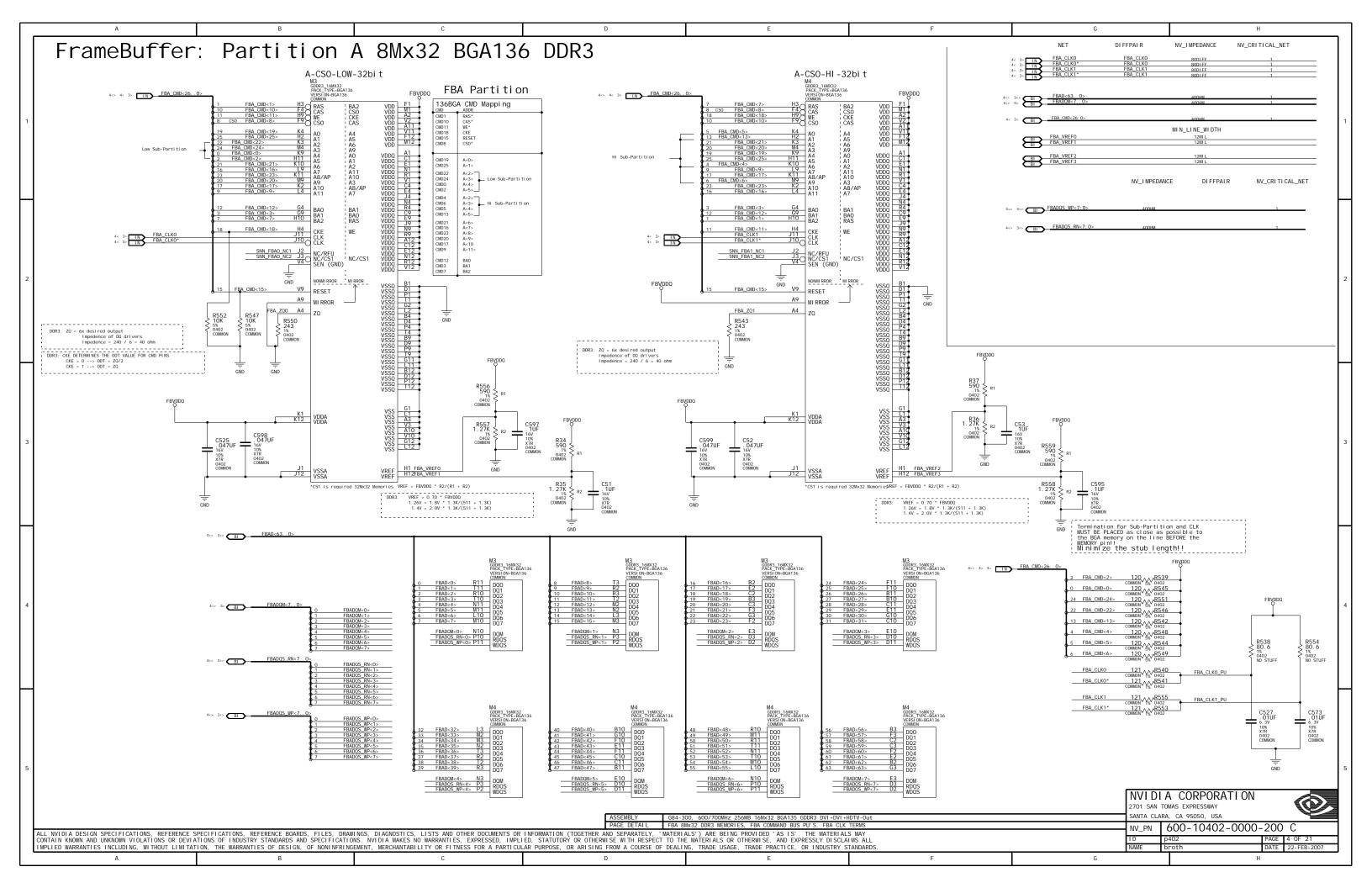
NV_PN 600-10402-0000-200 C

ALL NVIDIA DESIGN SPECIFICATIONS, REFERENCE SPECIFICATIONS, REFERENCE BOARDS, FILES, DRAWINGS, DIAGNOSTICS, LISTS AND OTHER DOCUMENTS OR INFORMATION (TOGETHER AND SEPARATELY, 'MATERIALS') ARE BEING PROVIDED 'AS IS'. THE MATERIALS MAY CONTAIN KNOWN AND UNKNOWN VIOLATIONS OR DEVIATIONS OF INDUSTRY STANDARDS AND SPECIFICATIONS. NVIDIA MAKES NO WARRANTIES, EXPRESSED, IMPLIED, STATUTORY OR OTHERWISE WITH RESPECT TO THE MATERIALS OR OTHERWISE, AND EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING, WITHOUT LIMITATION, THE WARRANTIES OF DESIGN, OF NONINFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ARISING FROM A COURSE OF DEALING, TRADE USAGE, TRADE PRACTICE, OR INDUSTRY STANDARDS

PAGE 1 0F 21 DATE 22-FEB-200



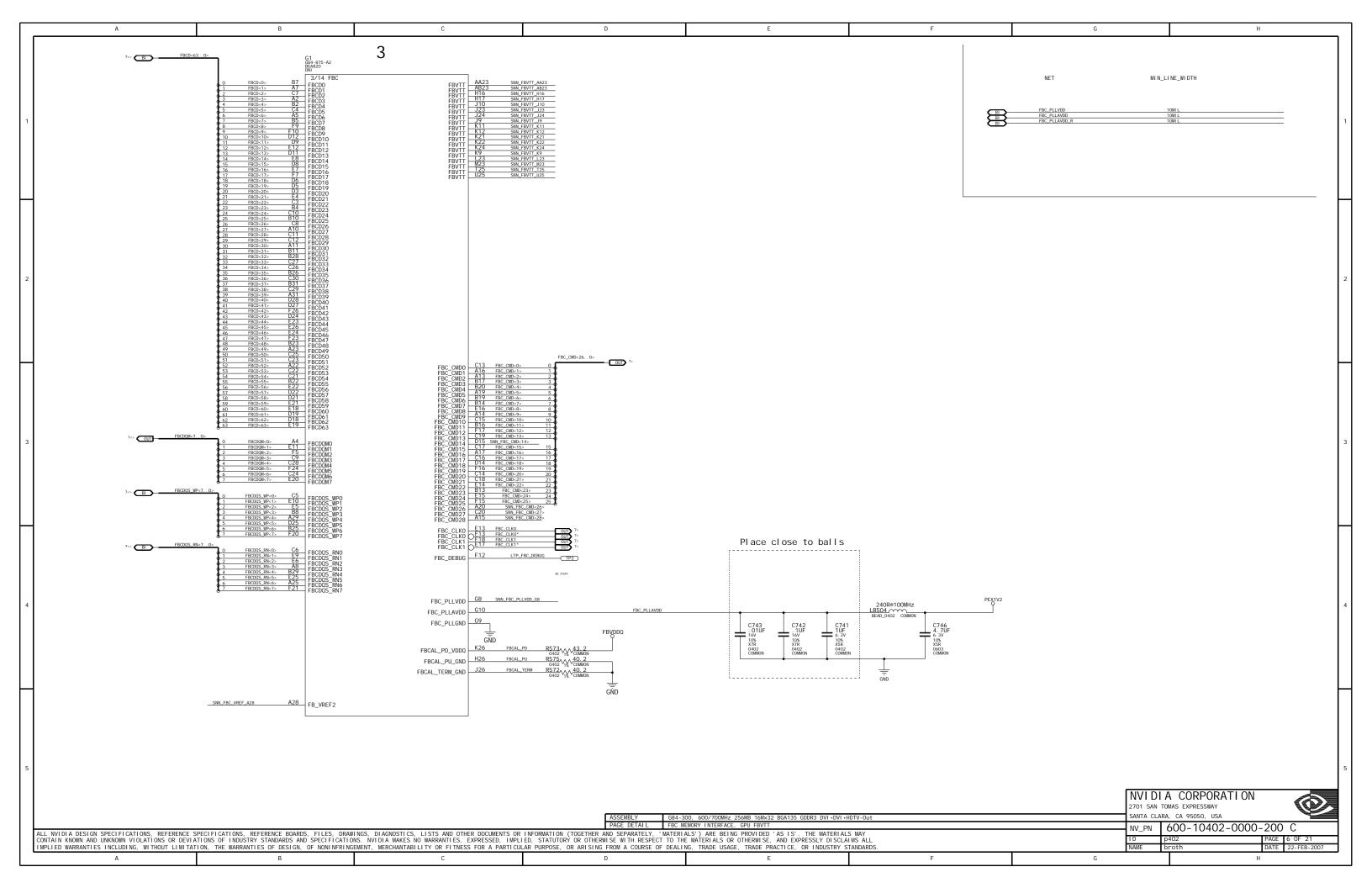


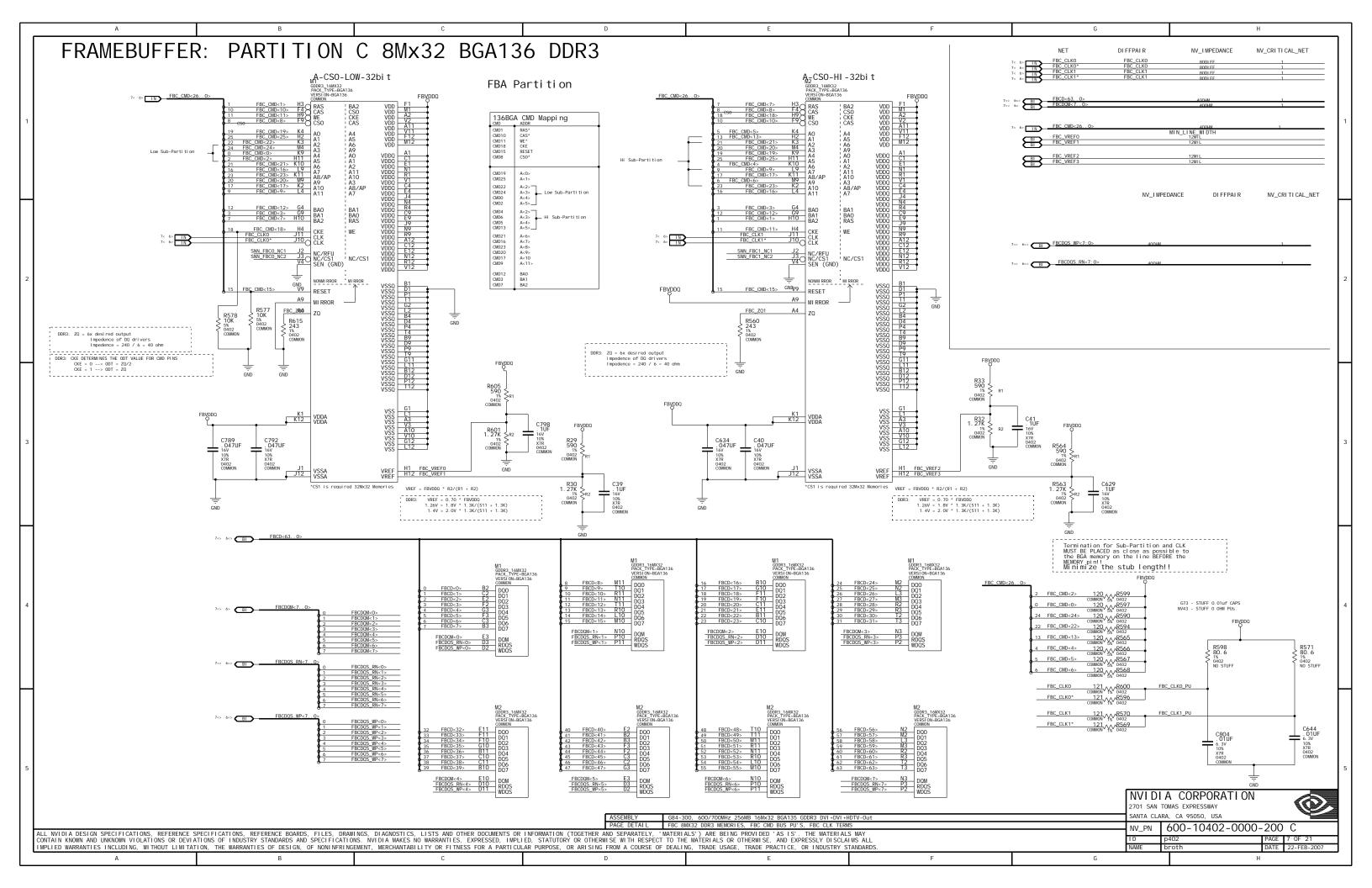


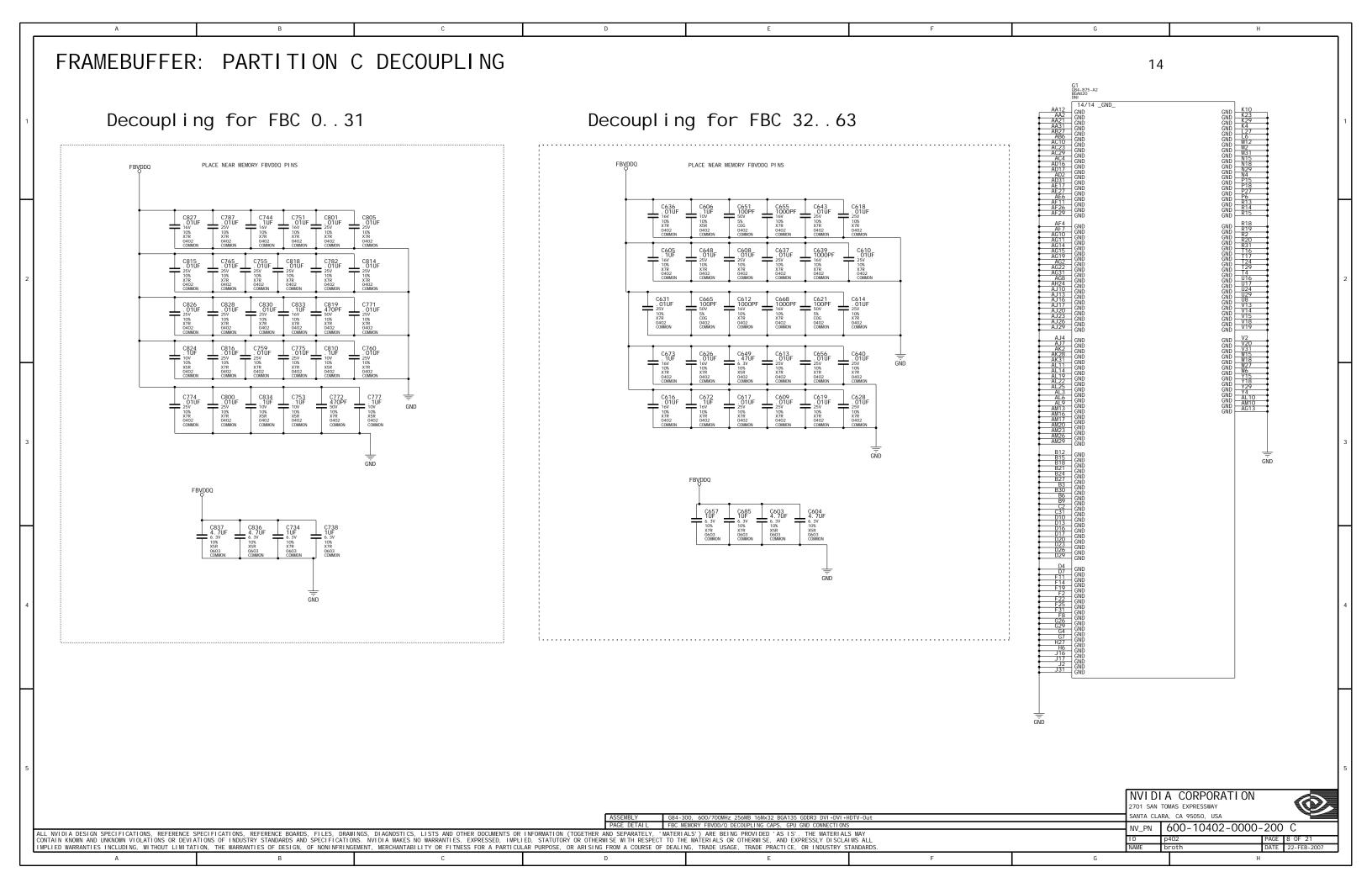
FRAME BUFFER: PARTITION A DECOUPLING Decoupling for FBA 32..63 Decoupling for FBA 0..31

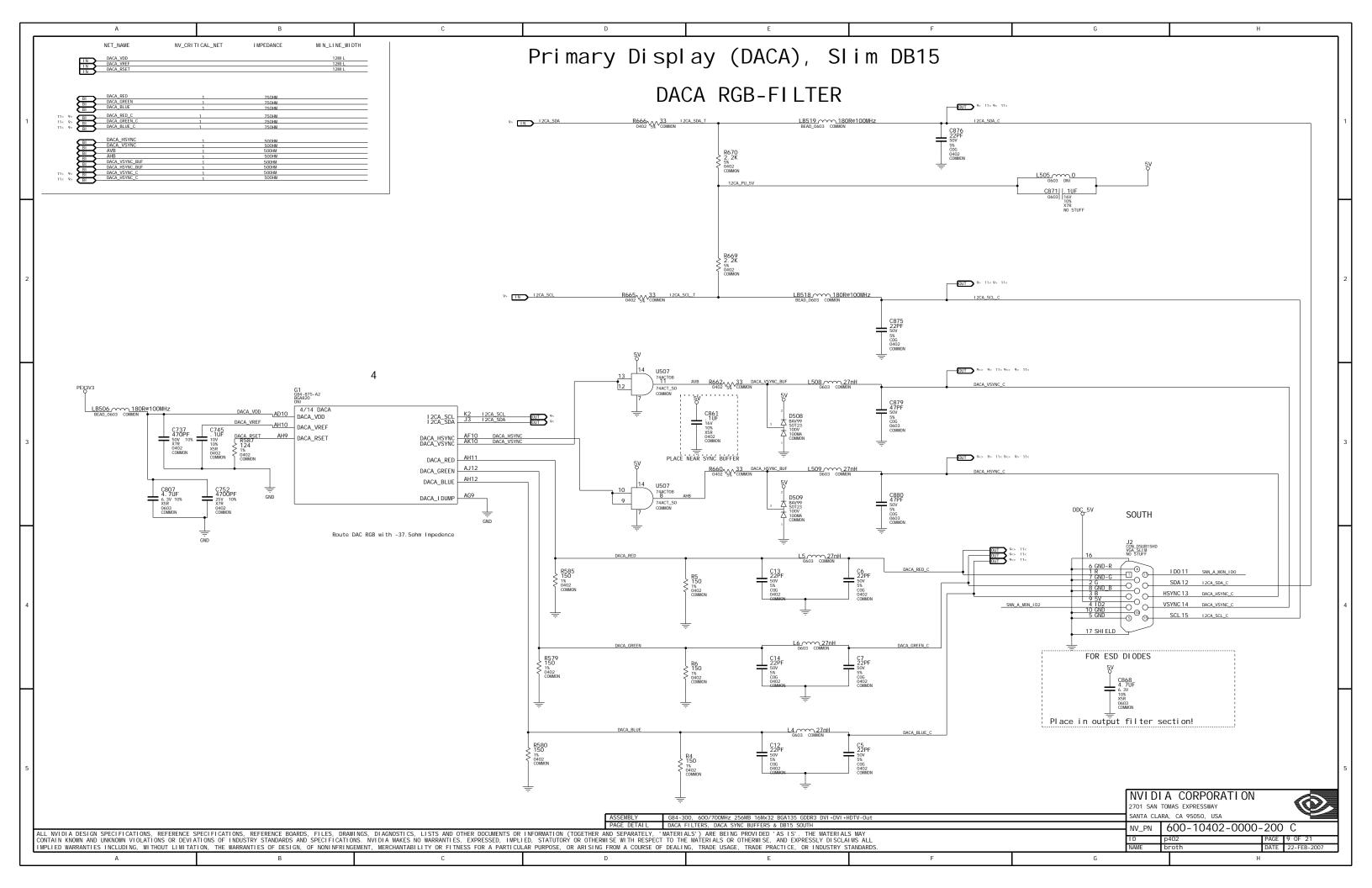
ASSEMBLY
ASS

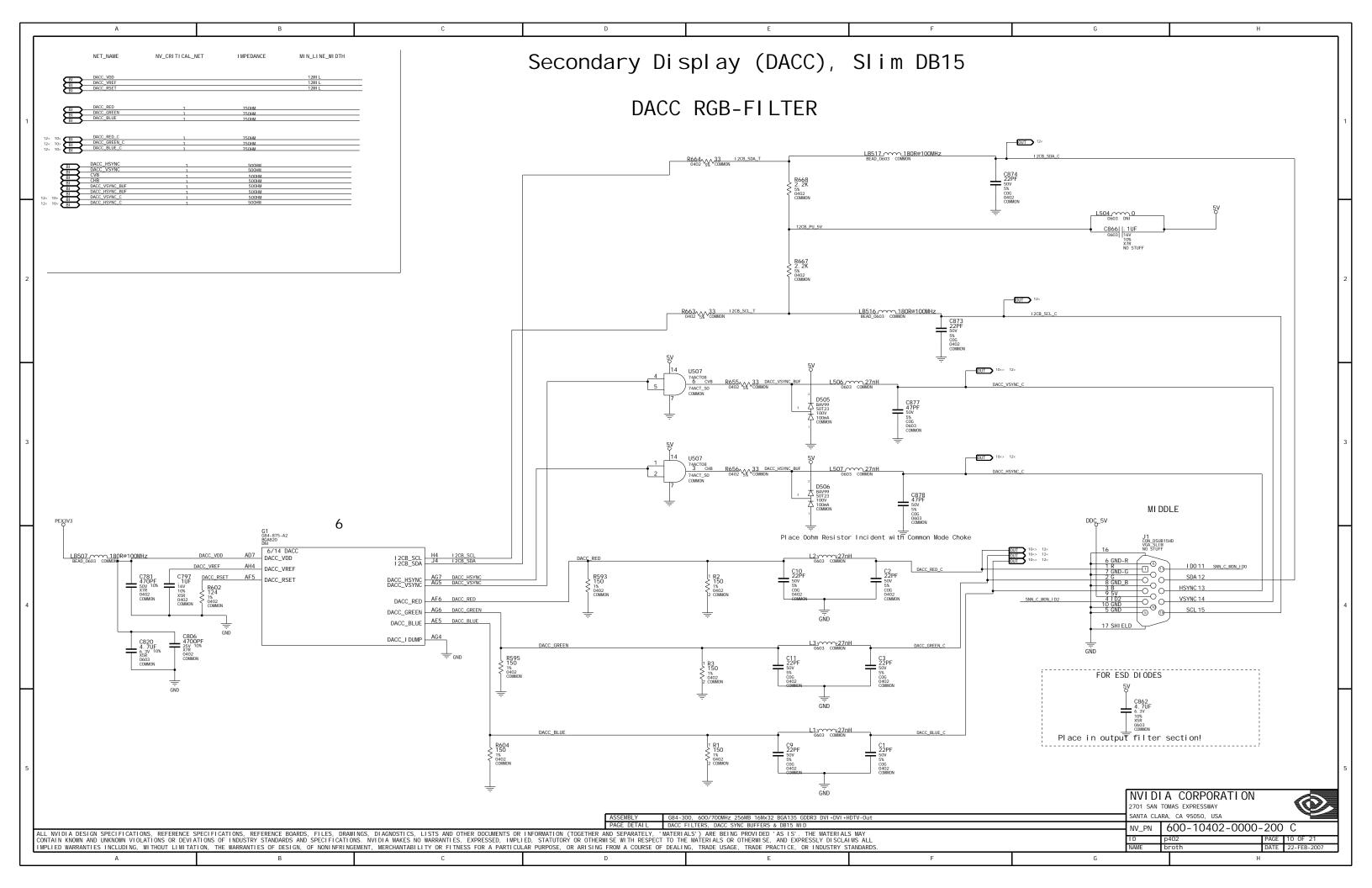
NVIDIA CORPORATION

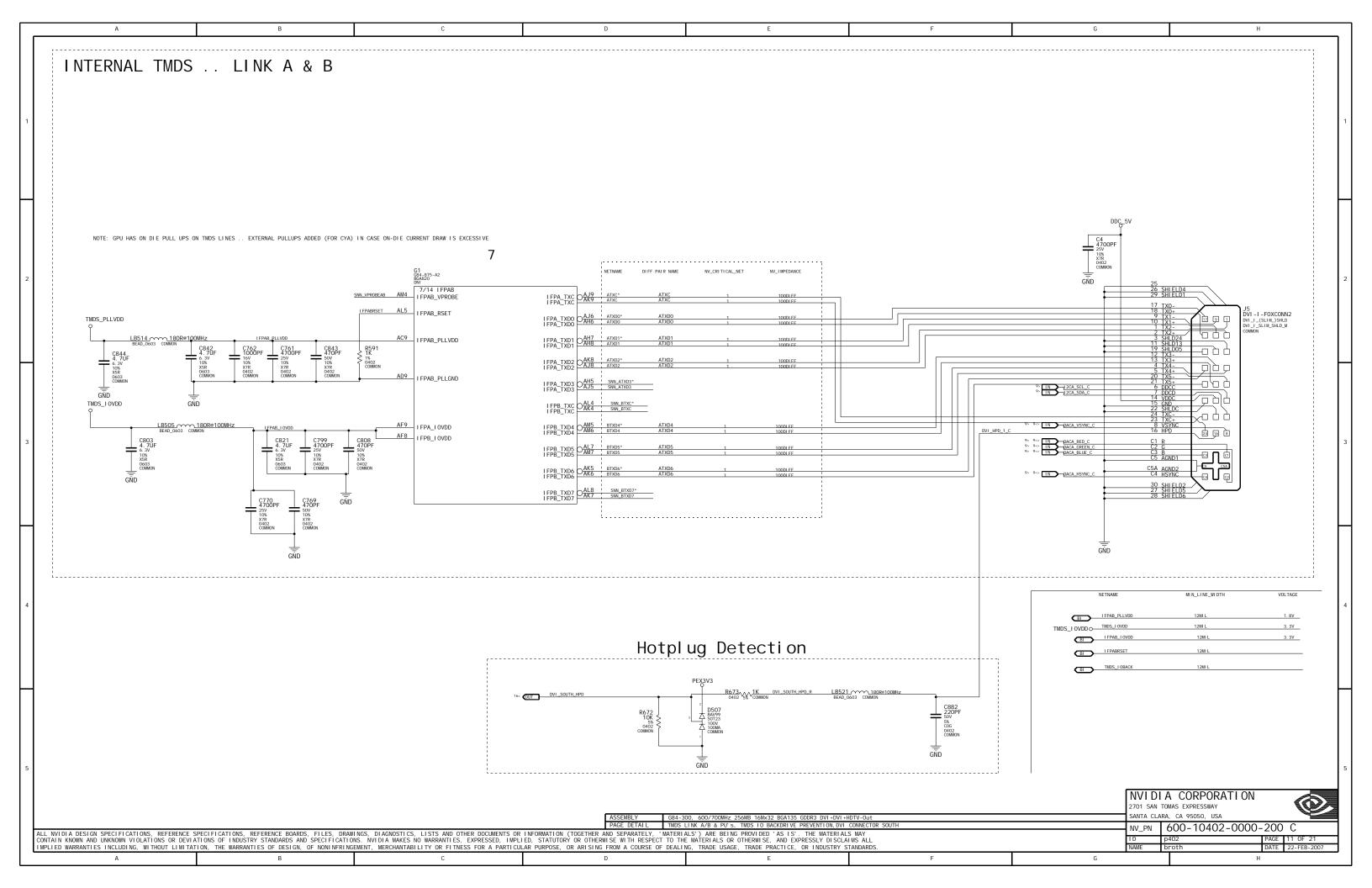


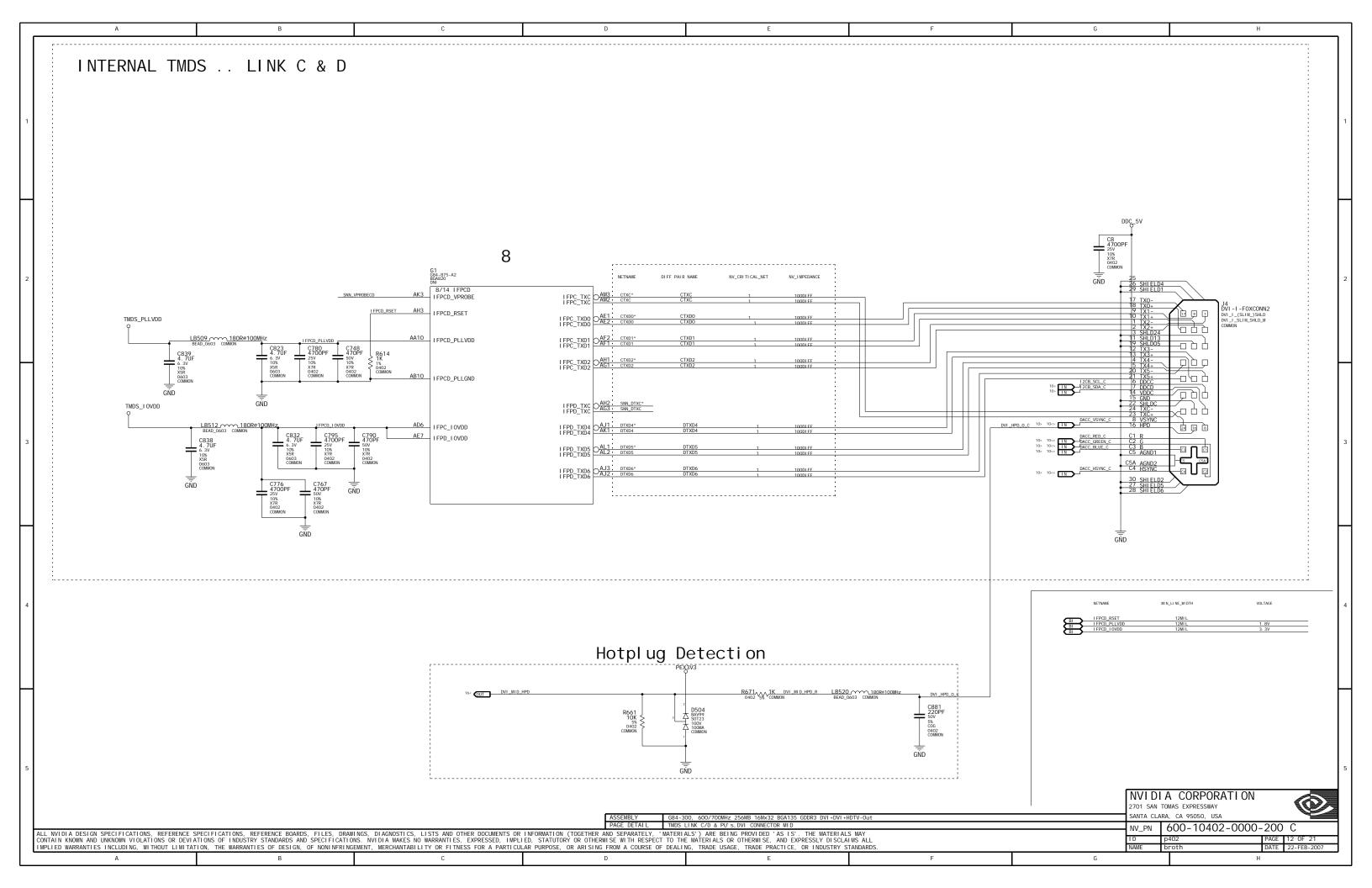


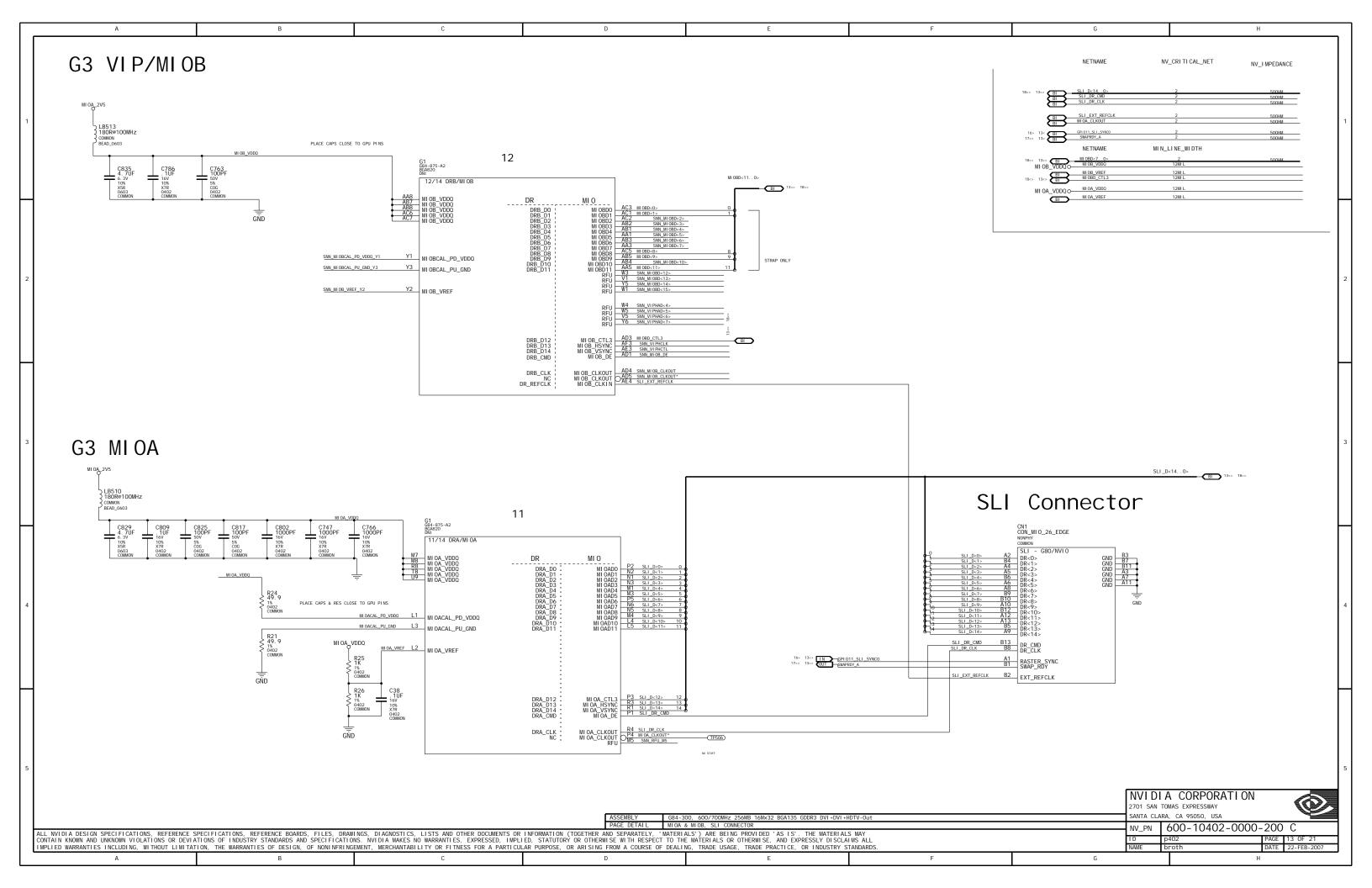


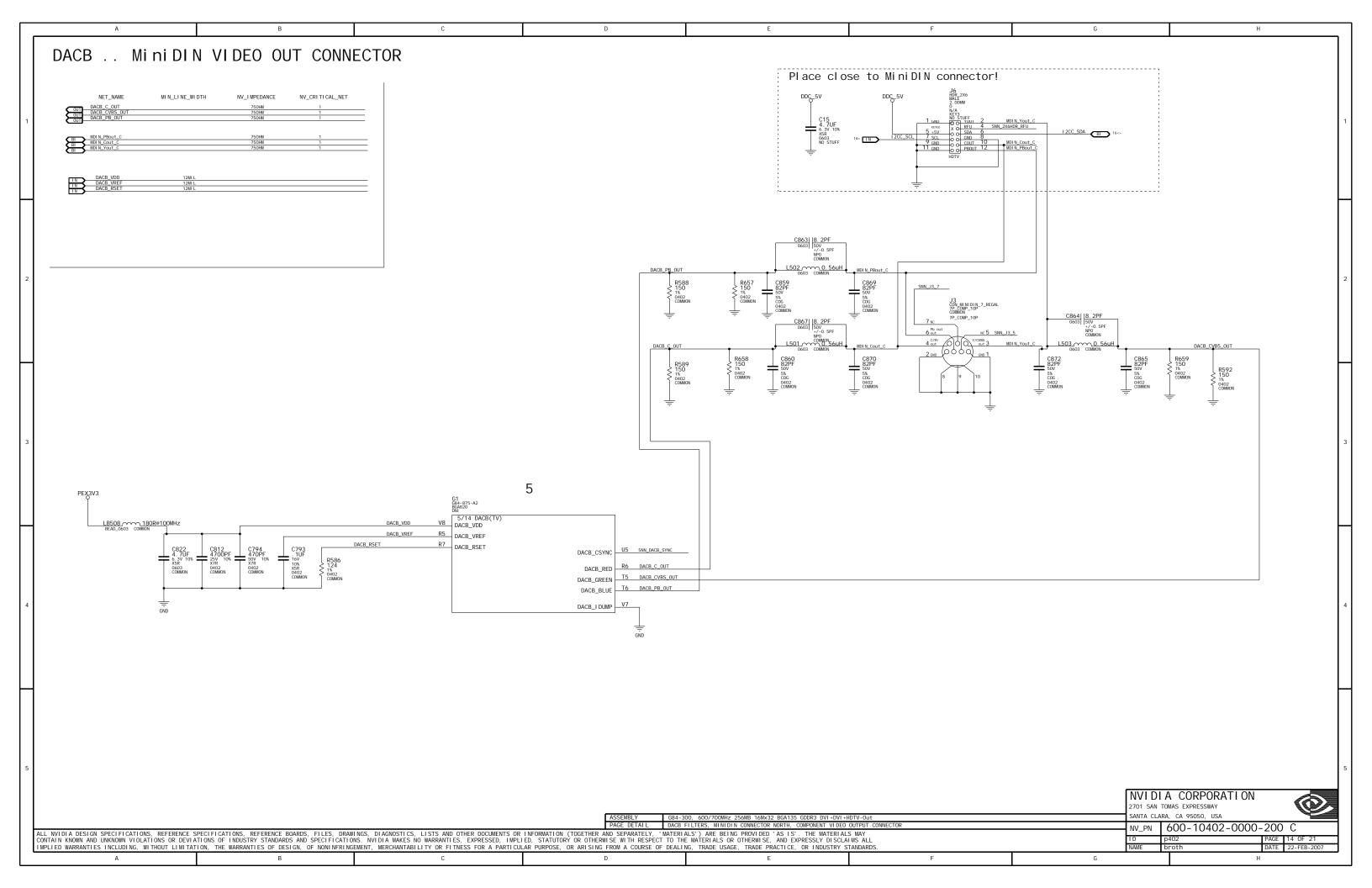


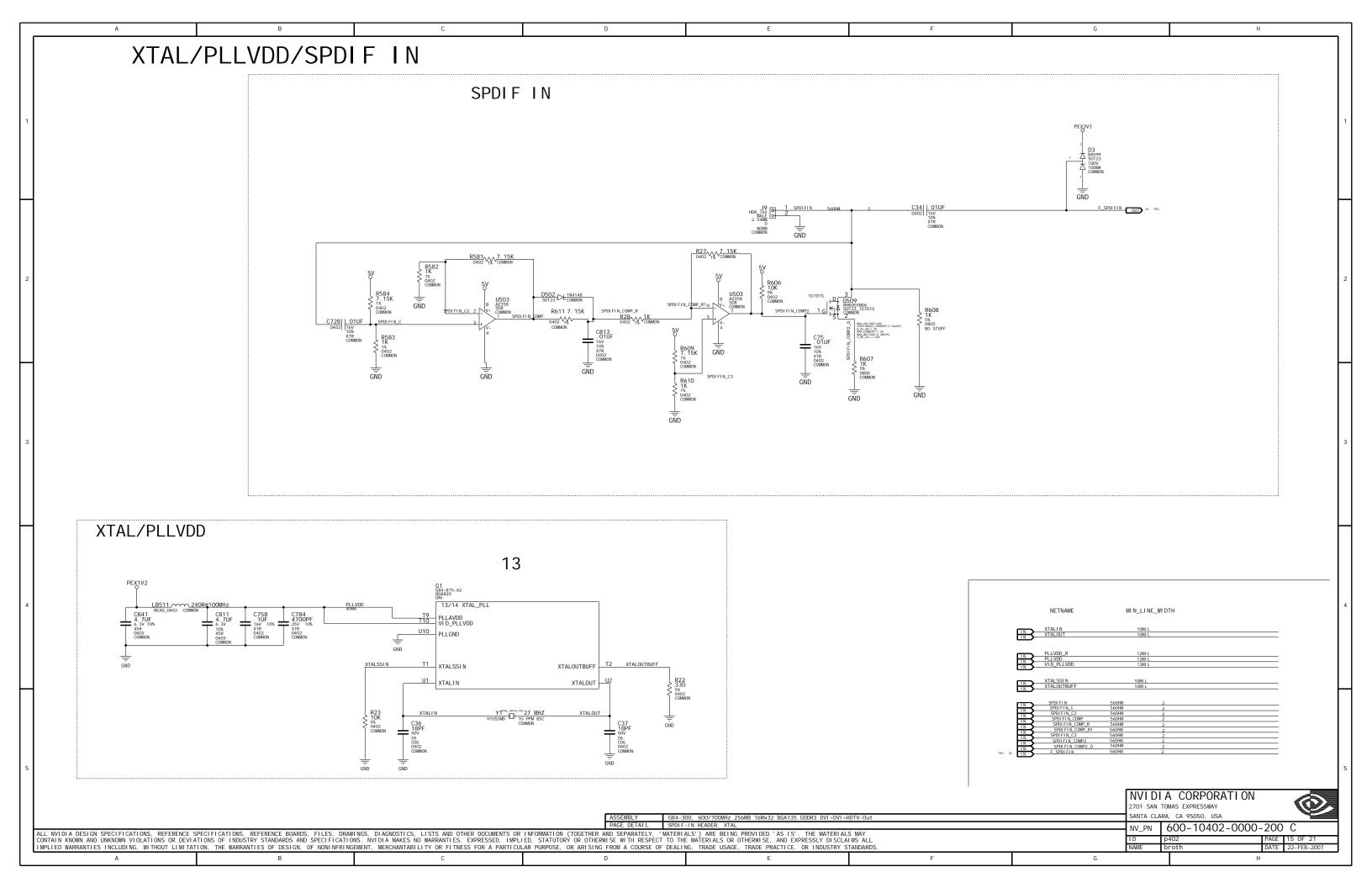


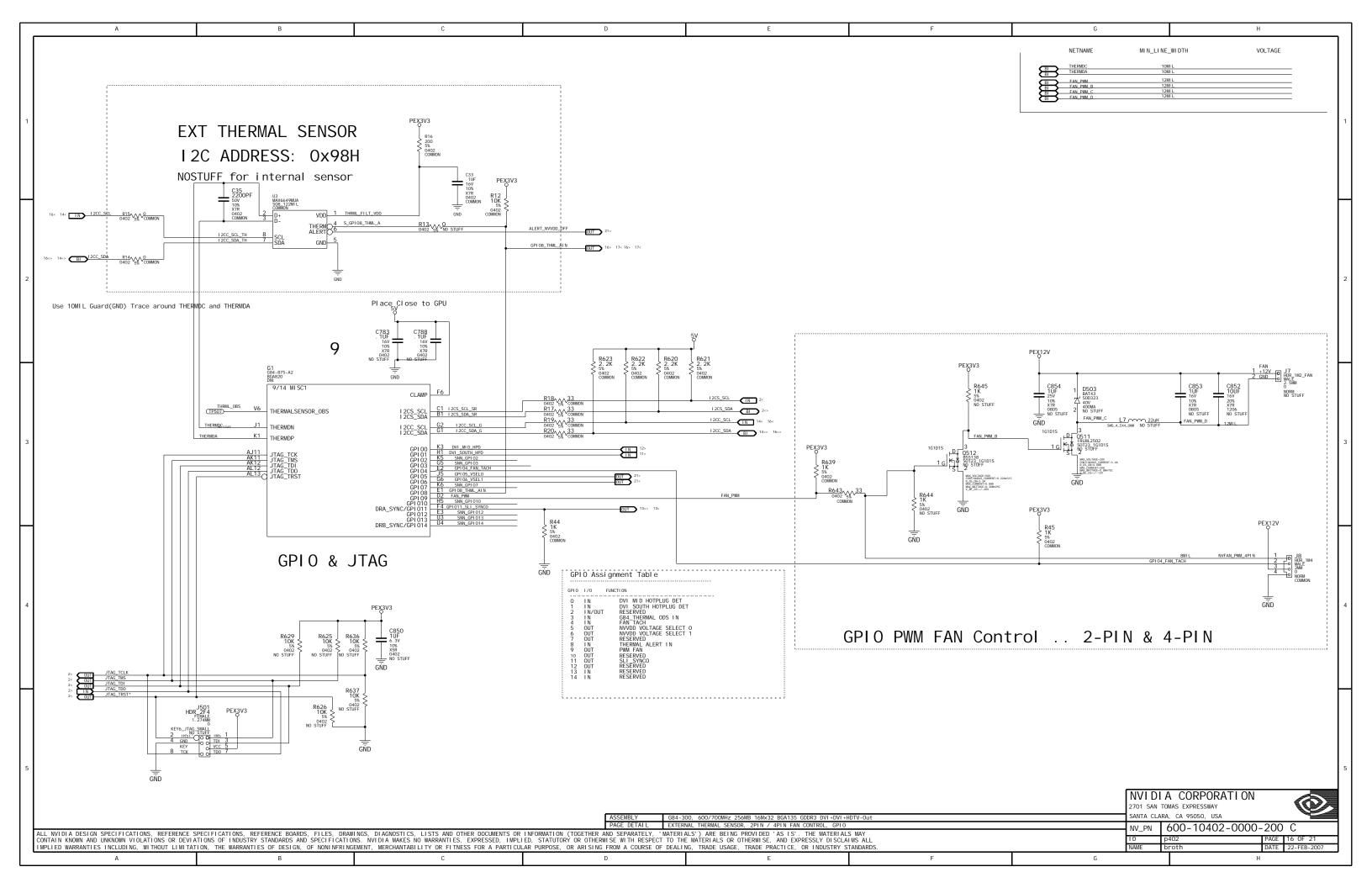


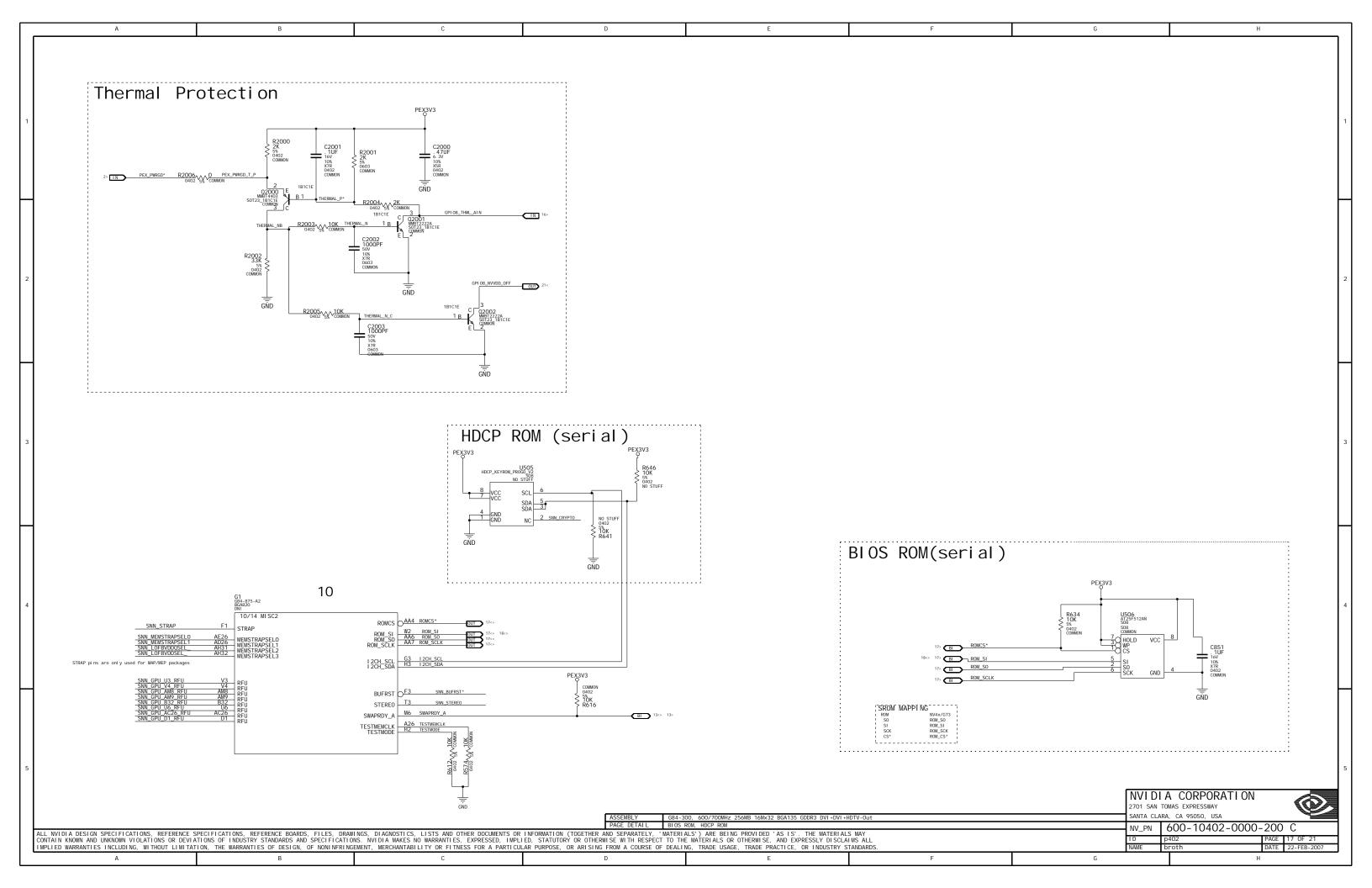


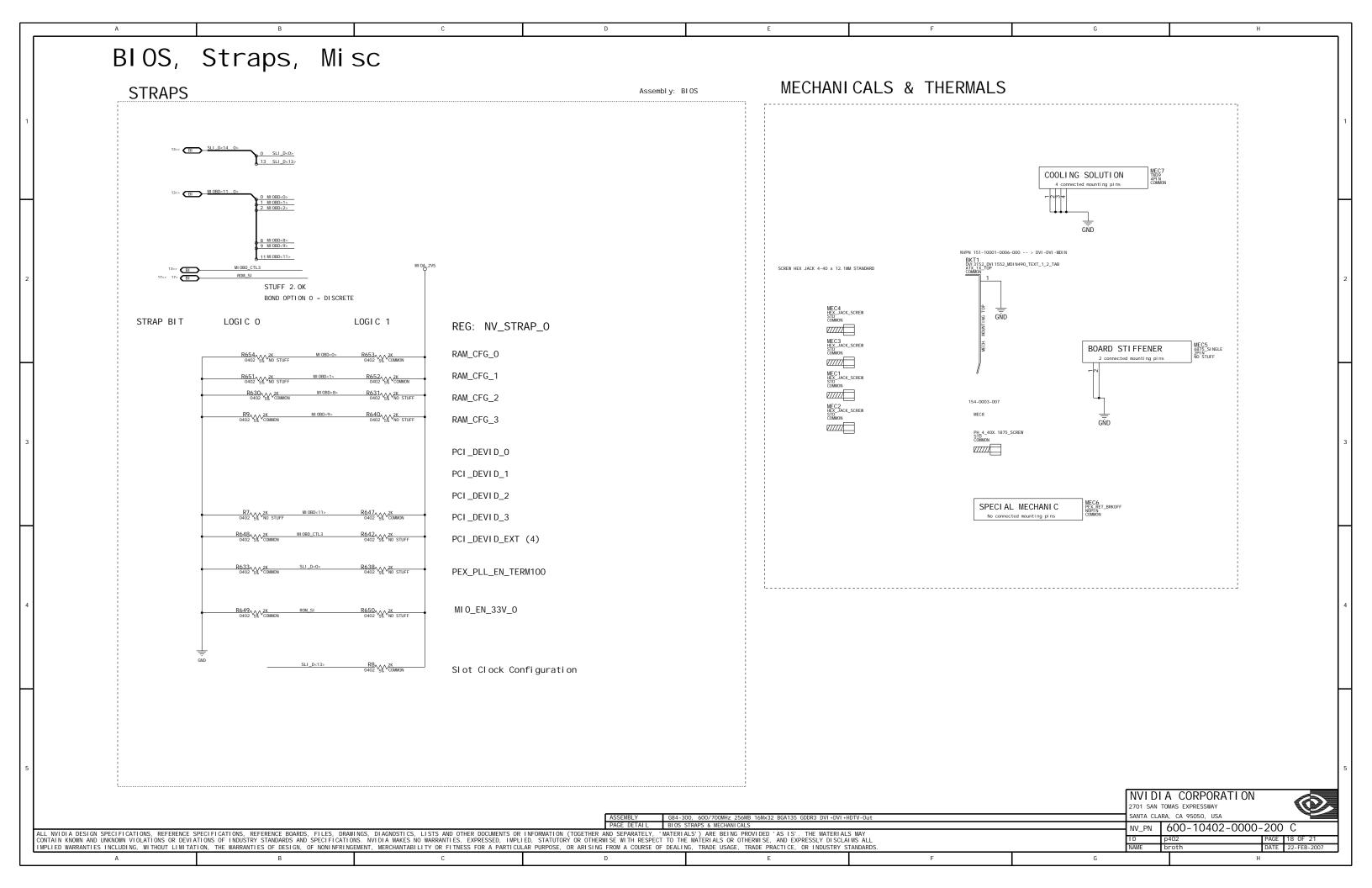








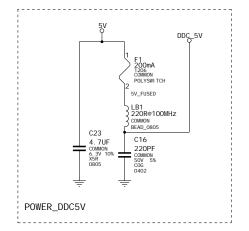




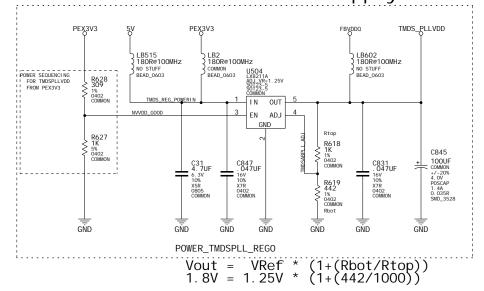
Power Supply ... TMDS, MIOA_VDDQ, DDC5V

MAX_CURRENT MI N_LI NE_WI DTH

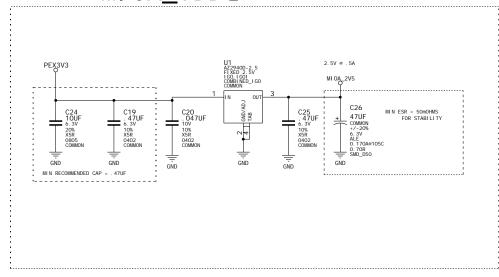
DDC 5V



TMDS AB/CD PLL Supply



MI OA_VDDQ



NVIDIA CORPORATION 2701 SAN TOMAS EXPRESSWAY

SANTA CLARA, CA 95050, USA

ALL NVIDIA DESIGN SPECIFICATIONS, REFERENCE SPECIFICATIONS, REFERENCE BOARDS, FILES, DRAWINGS, DIAGNOSTICS, LISTS AND OTHER DOCUMENTS OR INFORMATION (TOGETHER AND SEPARATELY, 'MATERIALS') ARE BEING PROVIDED 'AS IS'. THE MATERIALS MAY CONTAIN KNOWN AND UNKNOWN VIOLATIONS OR DEVIATIONS OF INDUSTRY STANDARDS AND SPECIFICATIONS. NVIDIA MAKES NO WARRANTIES, EXPRESSED, IMPLIED, STATUTORY OR OTHERWISE WITH RESPECT TO THE MATERIALS OR OTHERWISE, AND EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING, WITHOUT LIMITATION, THE WARRANTIES OF DESIGN, OF NONINFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ARISING FROM A COURSE OF DEALING, TRADE USAGE, TRADE PRACTICE, OR INDUSTRY STANDARDS

NV_PN 600-10402-0000-200 C

