PG132-A02 370W, FH Std PCB, 384b, GDDR6x 2CH X16 DP + DP + DP + HDMI/DP TABLE OF CONTENTS Page Description Page Description Page Description Table of Contents 26 MISC: THERMAL, JTAG, GPIO BLANK 51 BLOCK DIAGRAM 27 IFPA UNUSED, IFPB UNUSED 52 PS: NVVDD Controller_OVR8 2 3 **PCLEXPRESS** 28 IFPE DP 53 PS: NVVDD PH1 (PWM1) MEMORY: GPU PARTITION A/B IFPD DP 54 PS: NVVDD PH2(PWM6) 29 MEMORY: FBA PARTITION[31:0] IFPC HDMI/DP 55 PS: NVVDD PH3 (PWM3) and PH4 (PWM3) 5 30 MEMORY: FBA PARTITION[63:32] 31 IFPF DP PS: NVVDD PH5(PWM7) and PH7(PWM8) MEMORY: FBB PARTITION[31:0] 32 MISC. ROM, STRAPS PS: NVVDD PH6 (PWM7) 8 MEMORY: FBB PARTITION[63:32] 33 MISC. XTAL, PLL PS: NVVDD PH8(PWM5) and PH9(PWM2) PS: 5V PS: NVVDD PH10 (PWM4) 9 MEMORY: GPU PARTITION C/D 34 59 10 MEMORY: FBC PARTITION[31:0] 35 PS: PEX_DVDD and 1V8 60 Colayout Notes MEMORY: FBC PARTITION[63:32] 11 36 61 **BLANK** PS: FBVDD Controller OVR3 MEMORY: FBD PARTITION[31:0] 37 PS: NVVDD OUTPUT CAP(TOP) 12 62 PS: FBVDDQ OVR4 13 MEMORY: FBD PARTITION[63:32] 38 63 **BLANK** PS: FBVDD PH1 14 MEMORY: GPU PARTITION E/F 39 PS: INPUT SWITCH RTD3 PS: FBVDD PH3 15 MEMORY: FBE PARTITION[31:0] 16 MEMORY: FBE PARTITION[63:32] 41 PS: FBVDD PH2 PS: INPUTS, FILTERING, and, MONITORING 66 17 MEMORY: FBF PARTITION[31:0] 42 PS: FBVDD PH4 67 PS: HOT UNPLUG PS: FBVDD OUTPUT CAP 18 MEMORY: FBF PARTITION[63:32] 43 68 PS: Discrete Power Steering PS: FBVDD OUTPUT CAP NEAR MEMORY PS: PREFILTER 19 GPU GND. RFUs & RSVD 69 **GPU POWERS** PS: MSVDD CONTROLLER 70 PS: PREFILTER B 20 PS: MSVDD PH1 GPU DECOUPLING NVVDD 21 71 Sequence: 5V, 1V8, 3V3_SEQ PS: MSVDD PH2 22 GPU DECOUPLING FBVDDQ Sequence: NV, PEX, FB EN 23 GPU DECOUPLING MSVDD PS: MSVDD PH3 and PH5 73 Sequence: 3V3 MONITOR 24 **BLANK** PS: MSVDD PH4 and PH6 Sequence: MISC PS: MSVDD OUTPUT CAP(TOP) 25 NVHS x16 75 MISC: LED & FAN

> ASSEMBLY BAGE DETAIL

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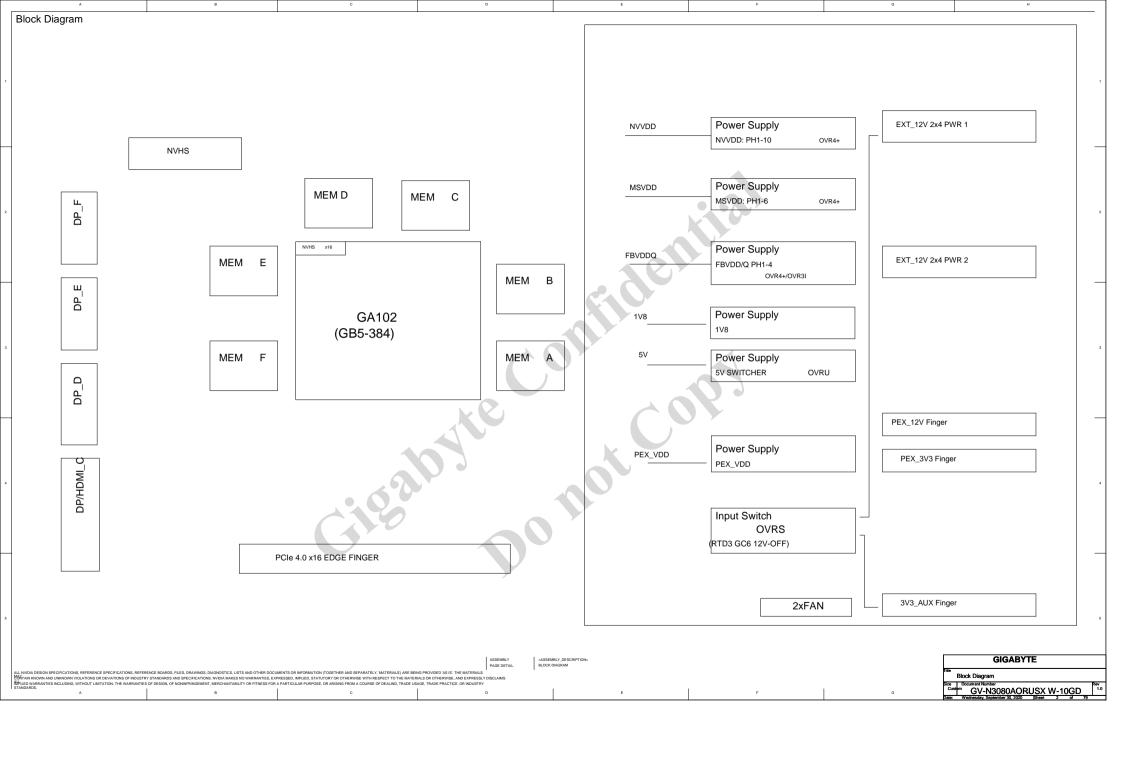
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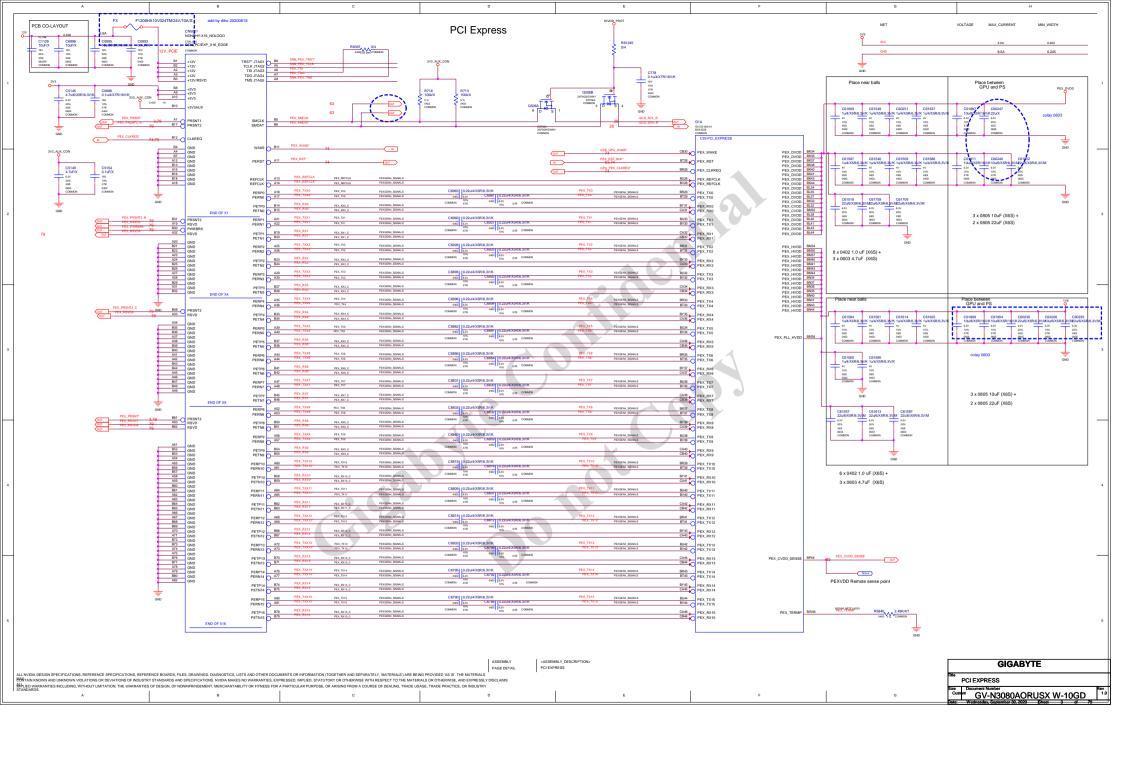
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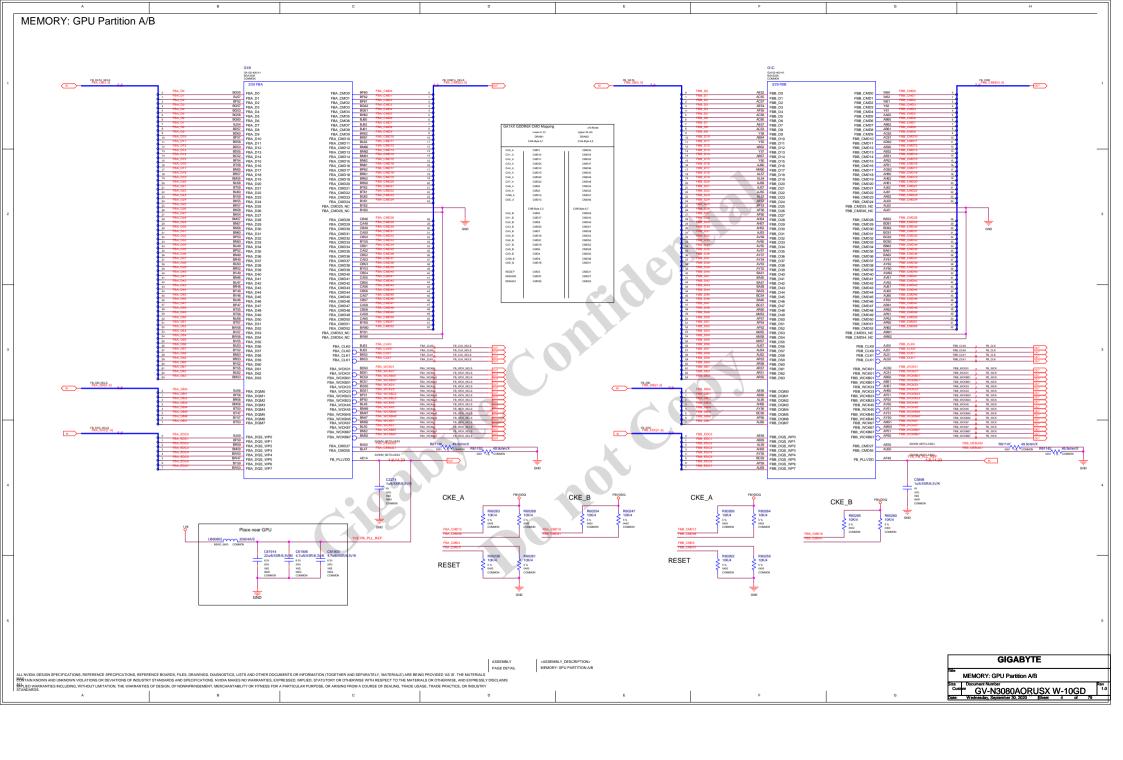
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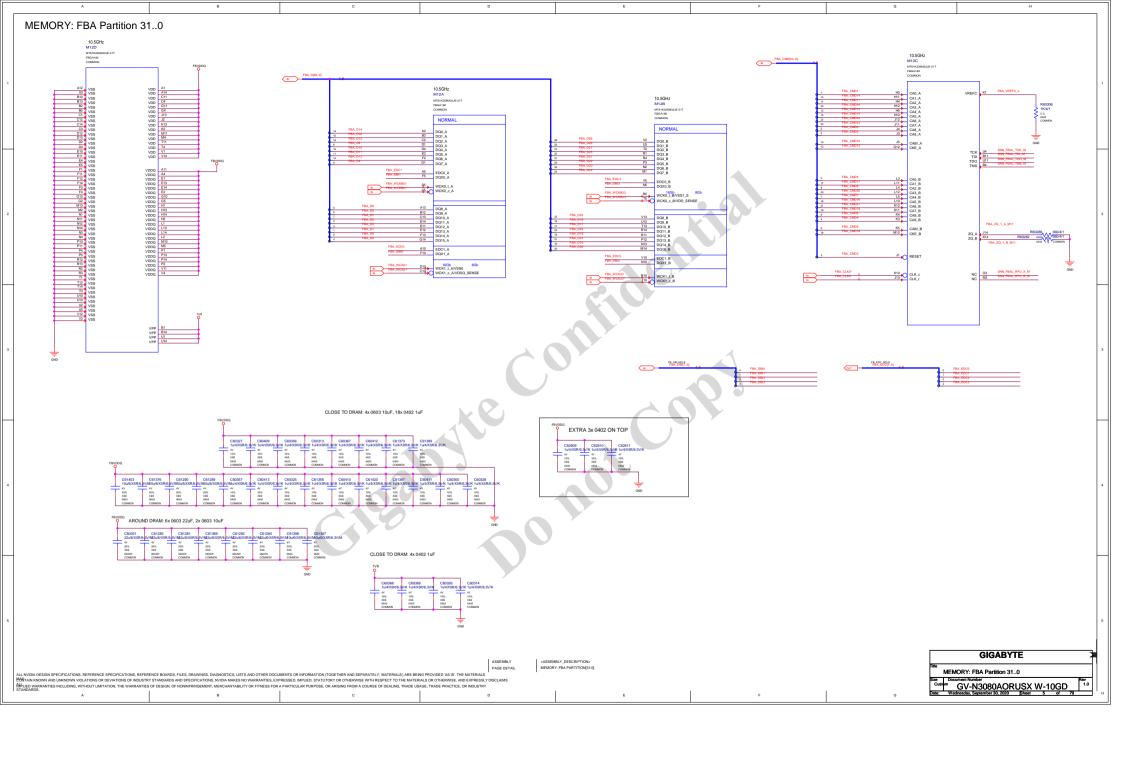
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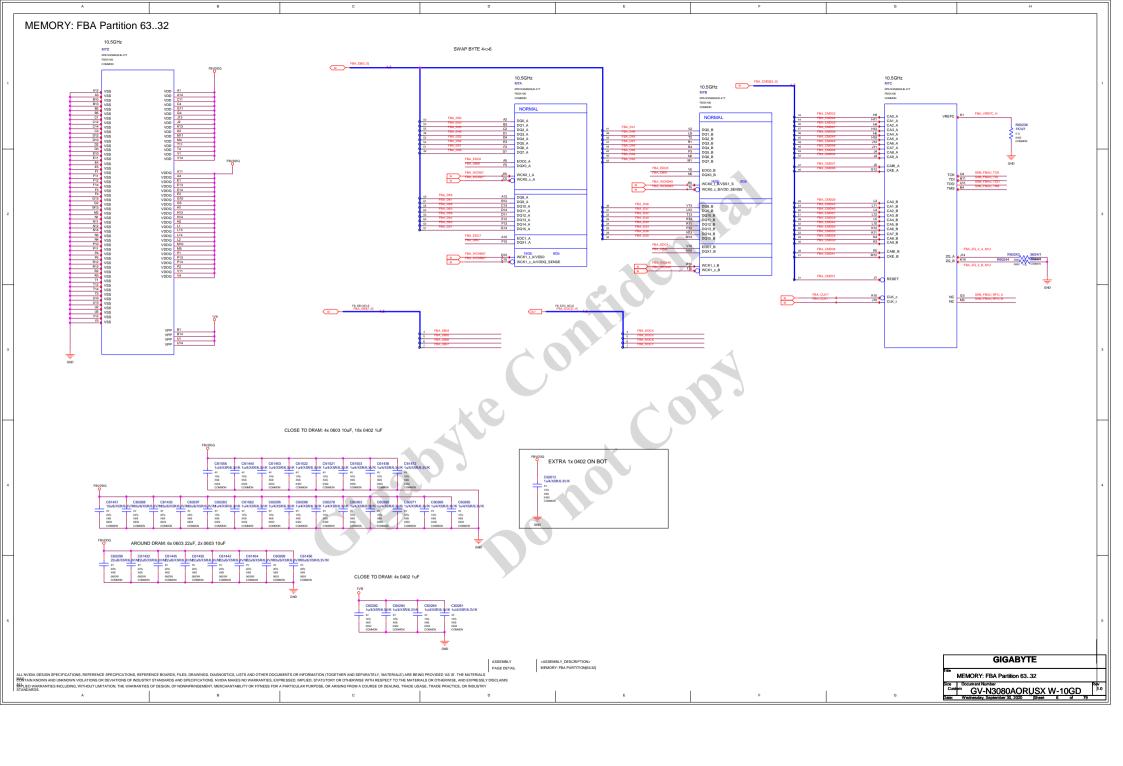
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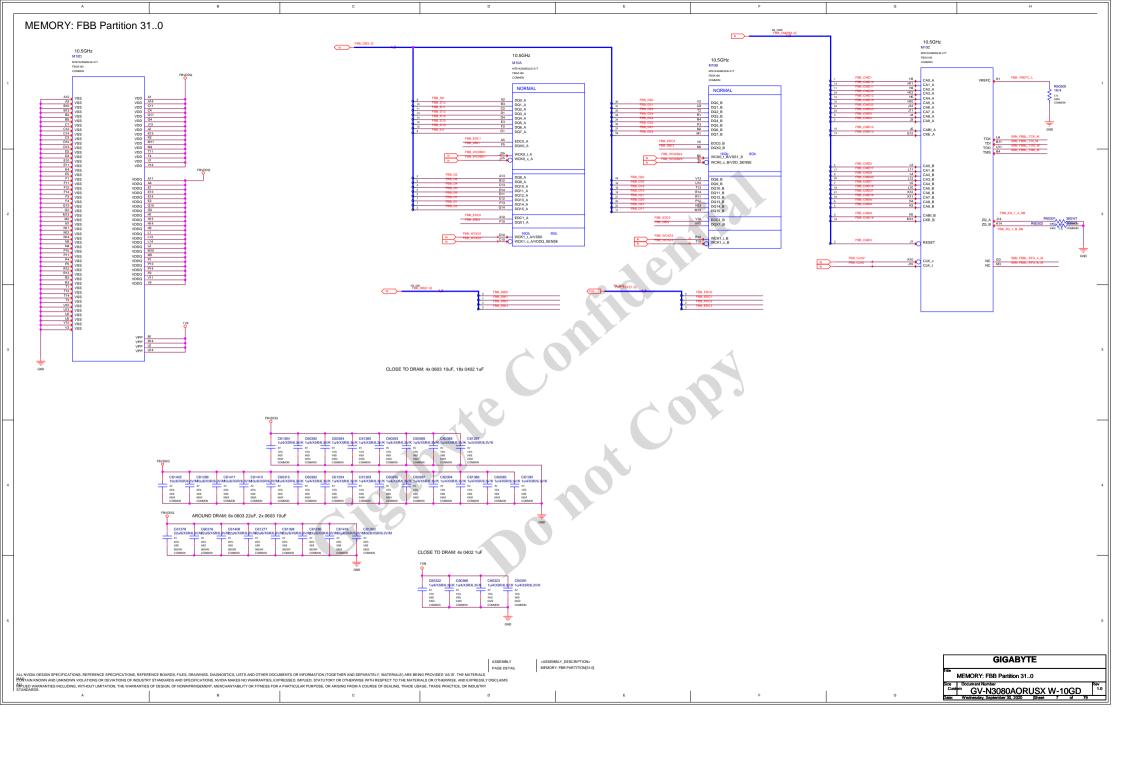


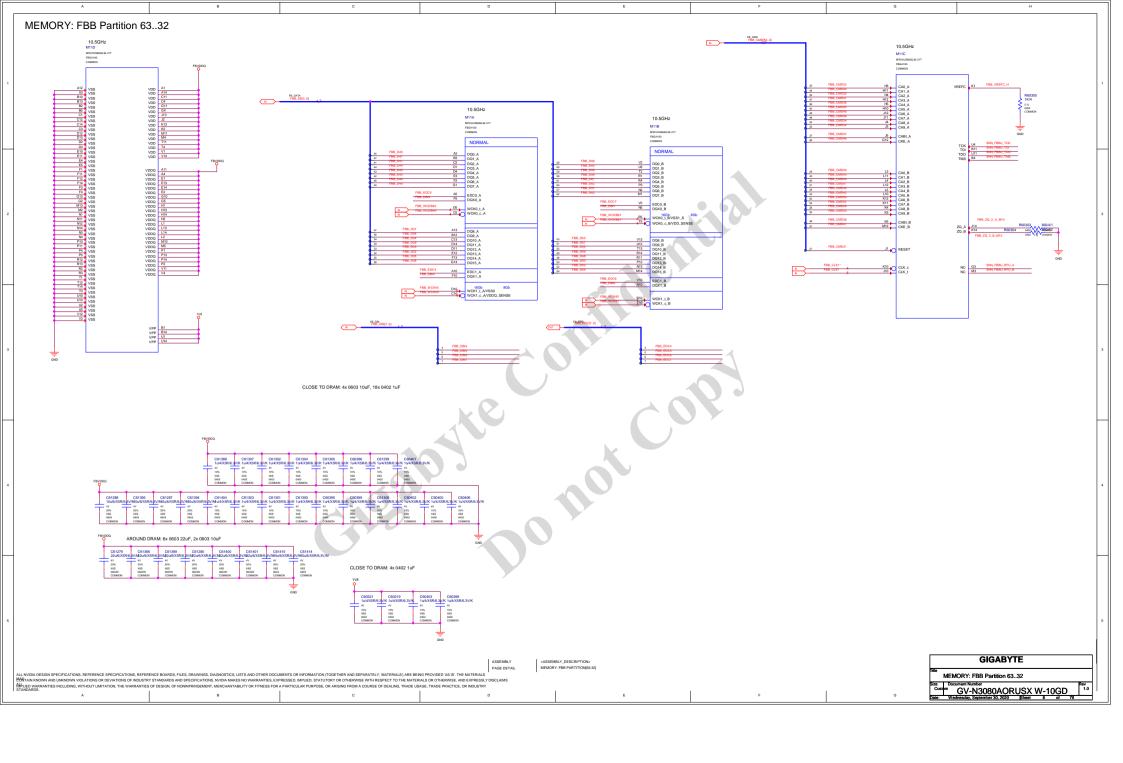


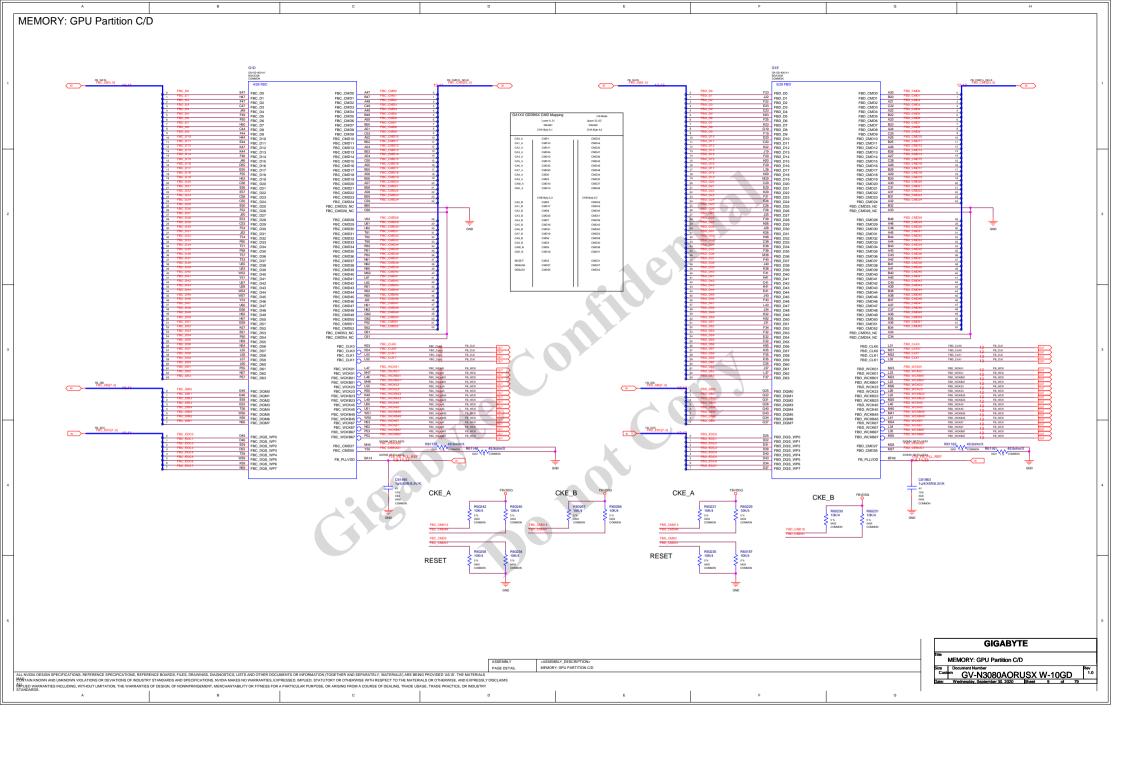


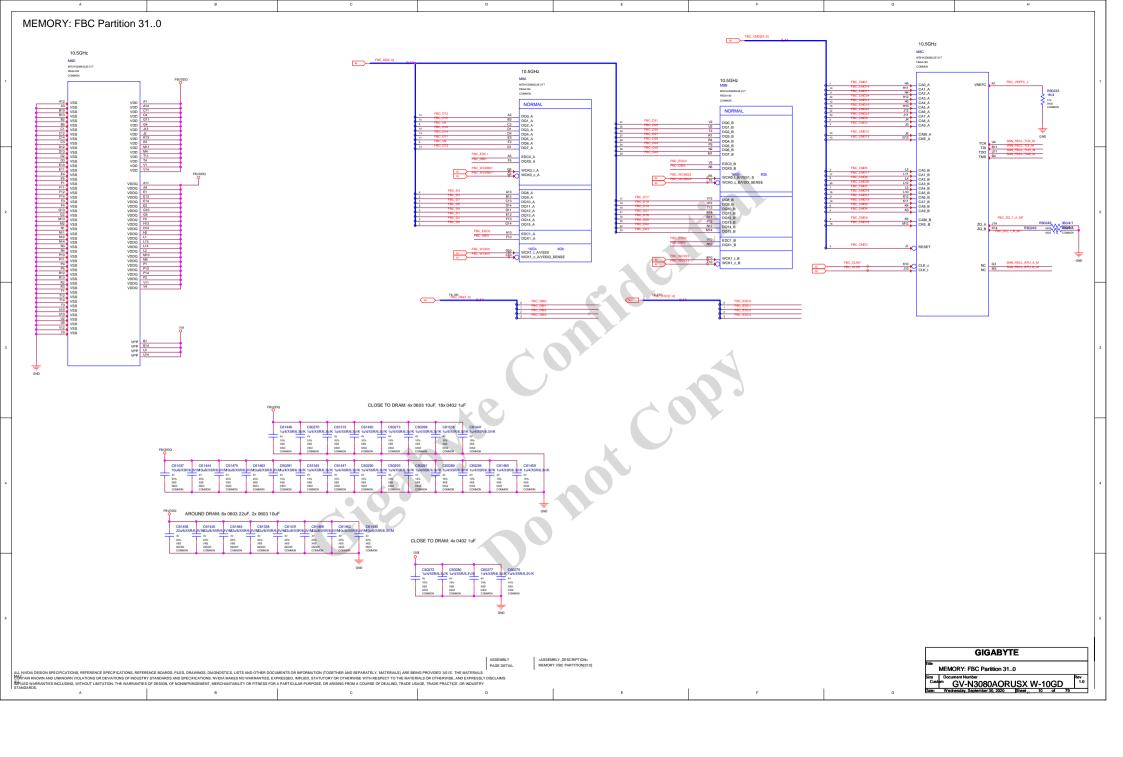


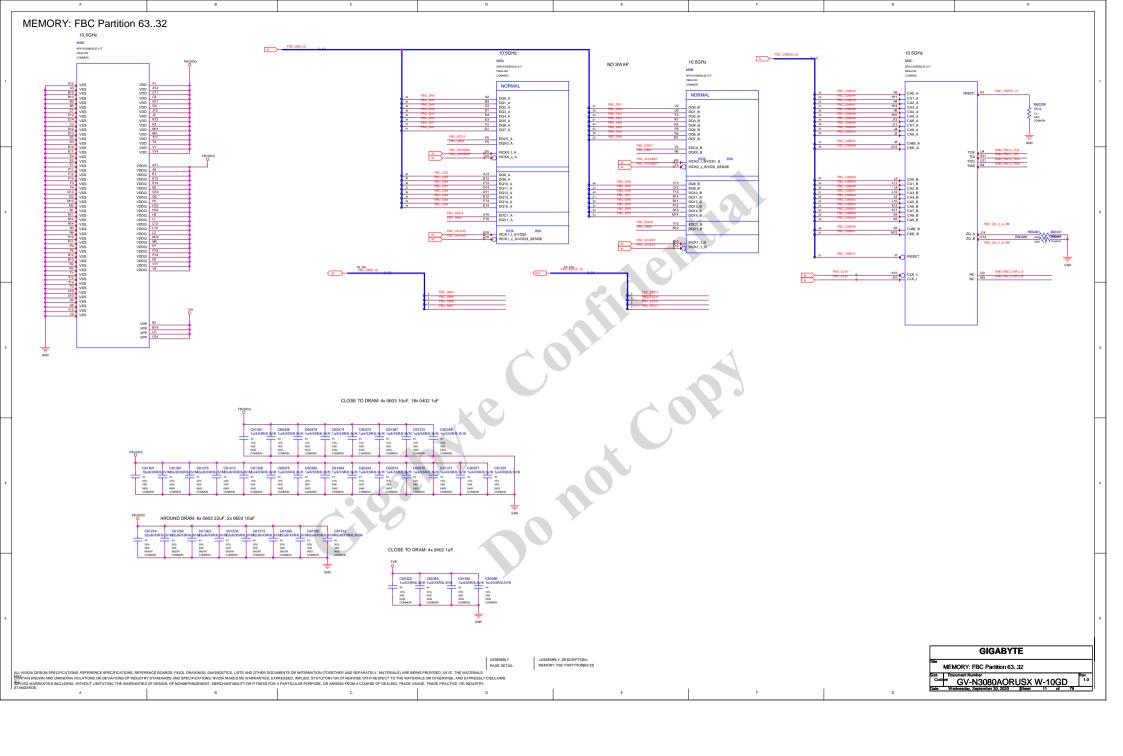


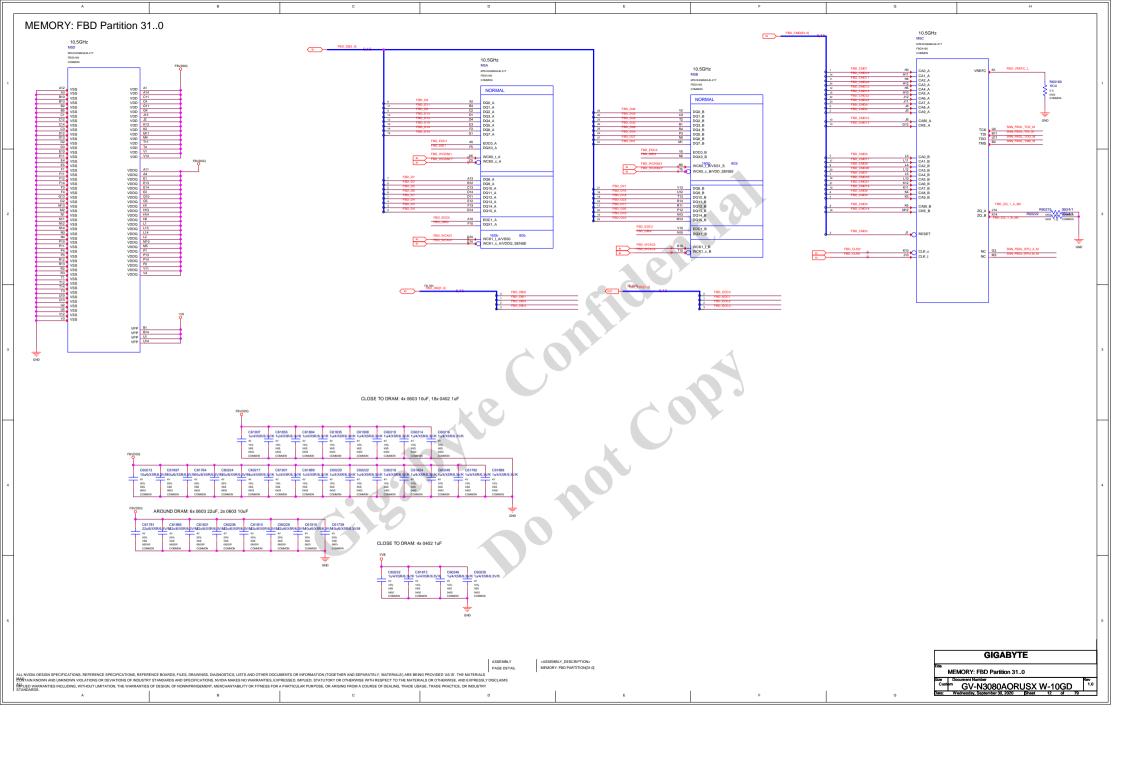


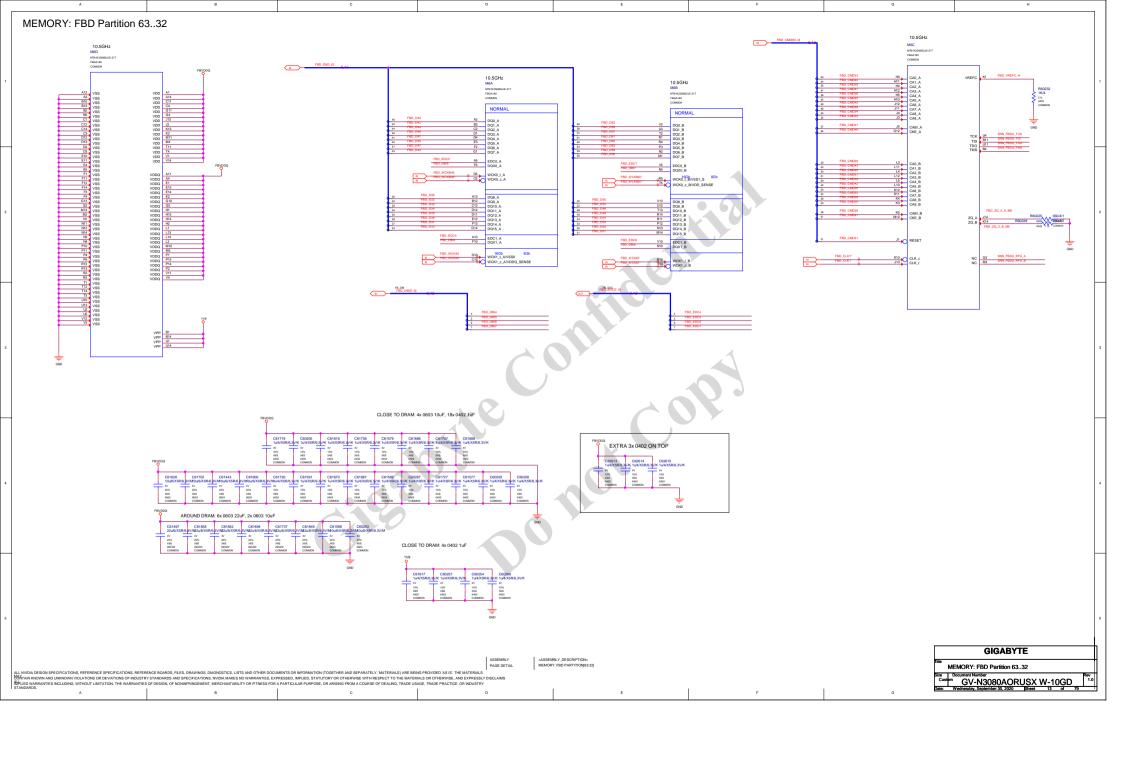


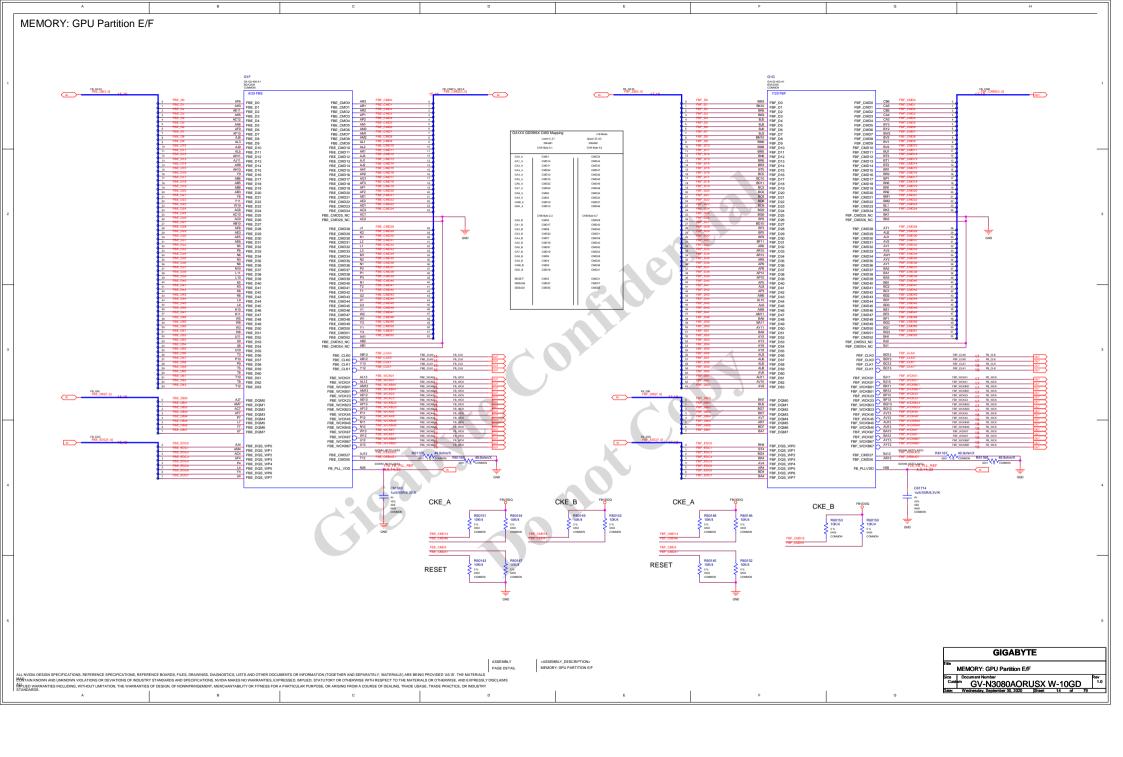


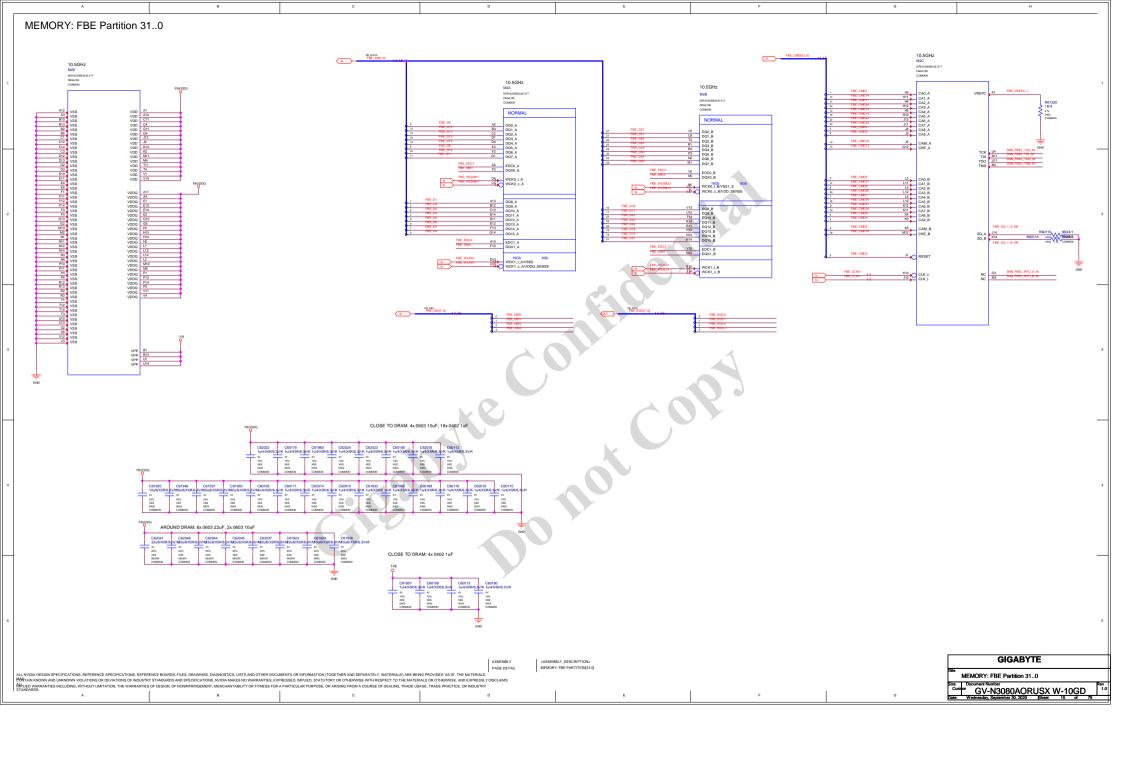


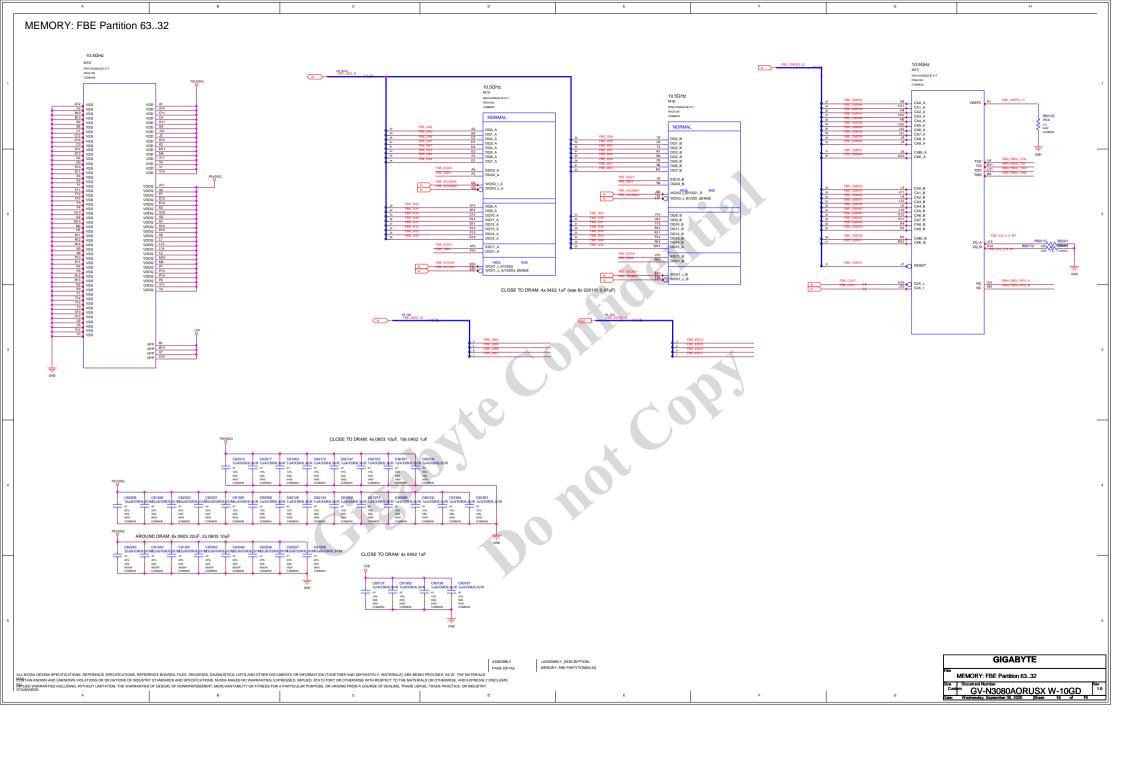


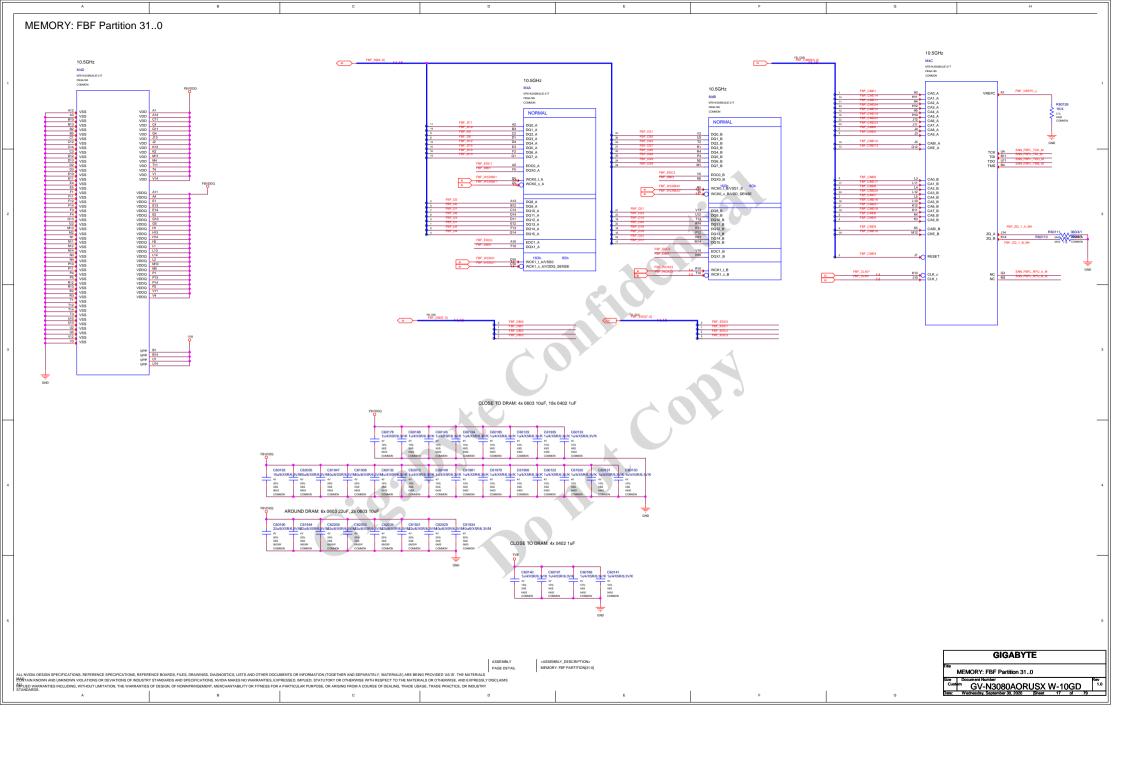


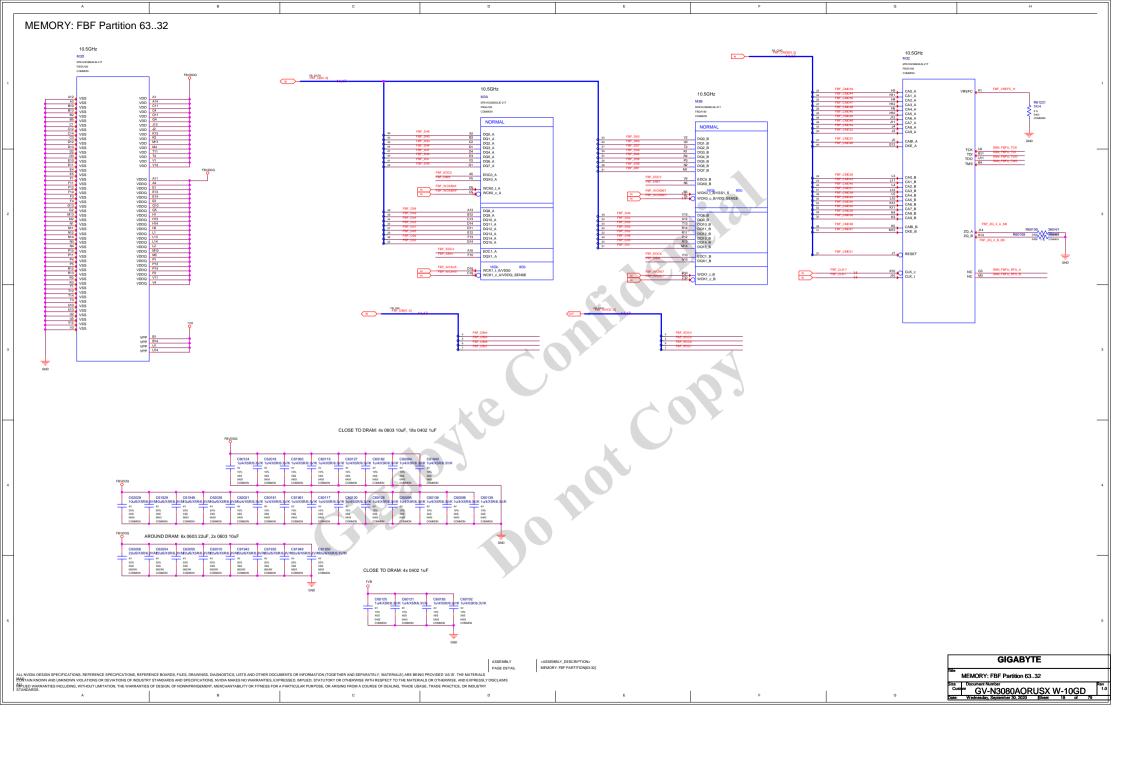


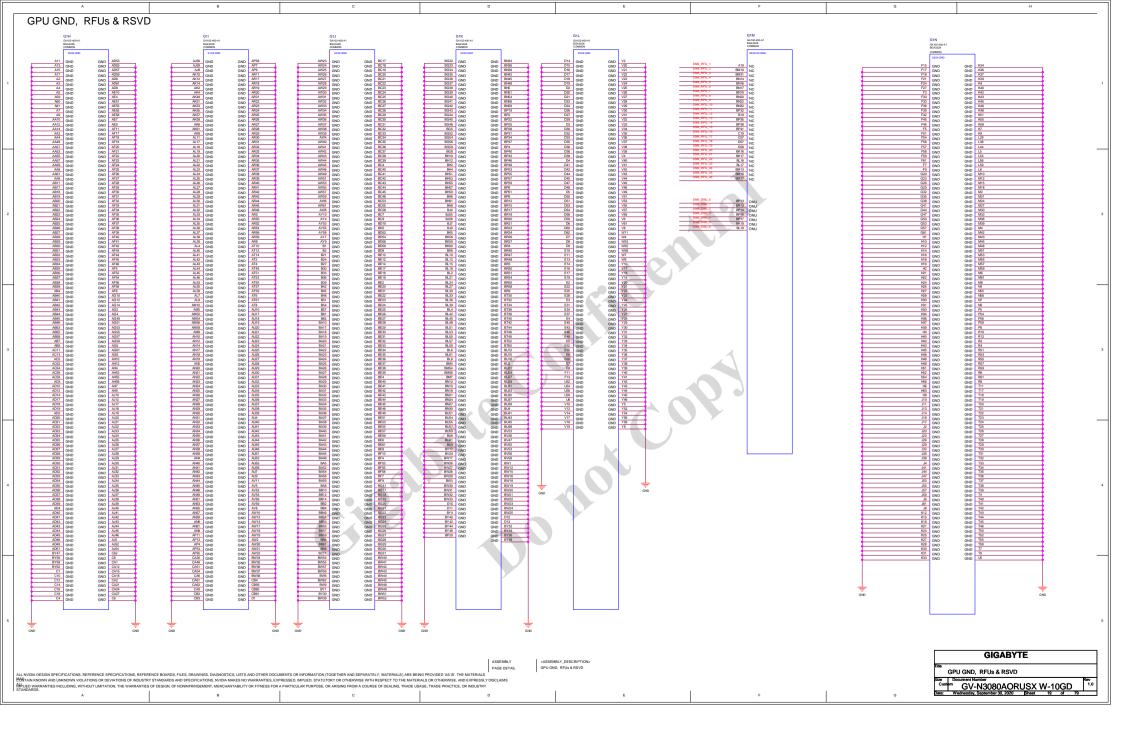


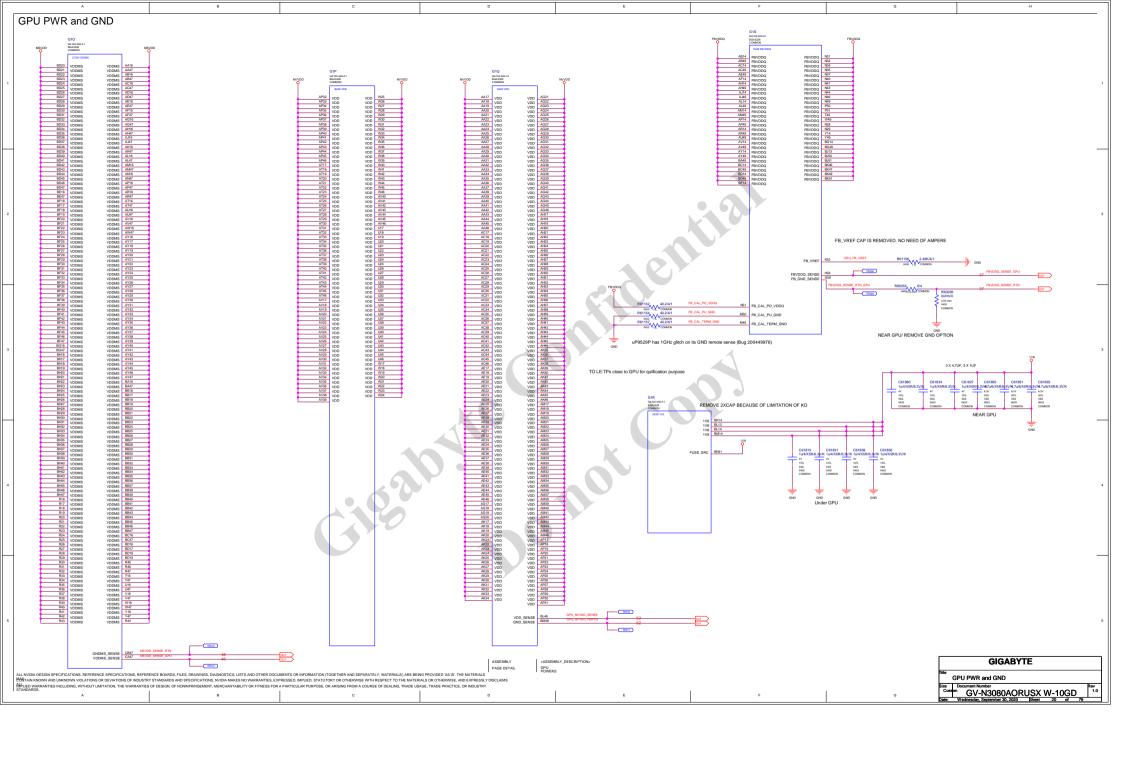


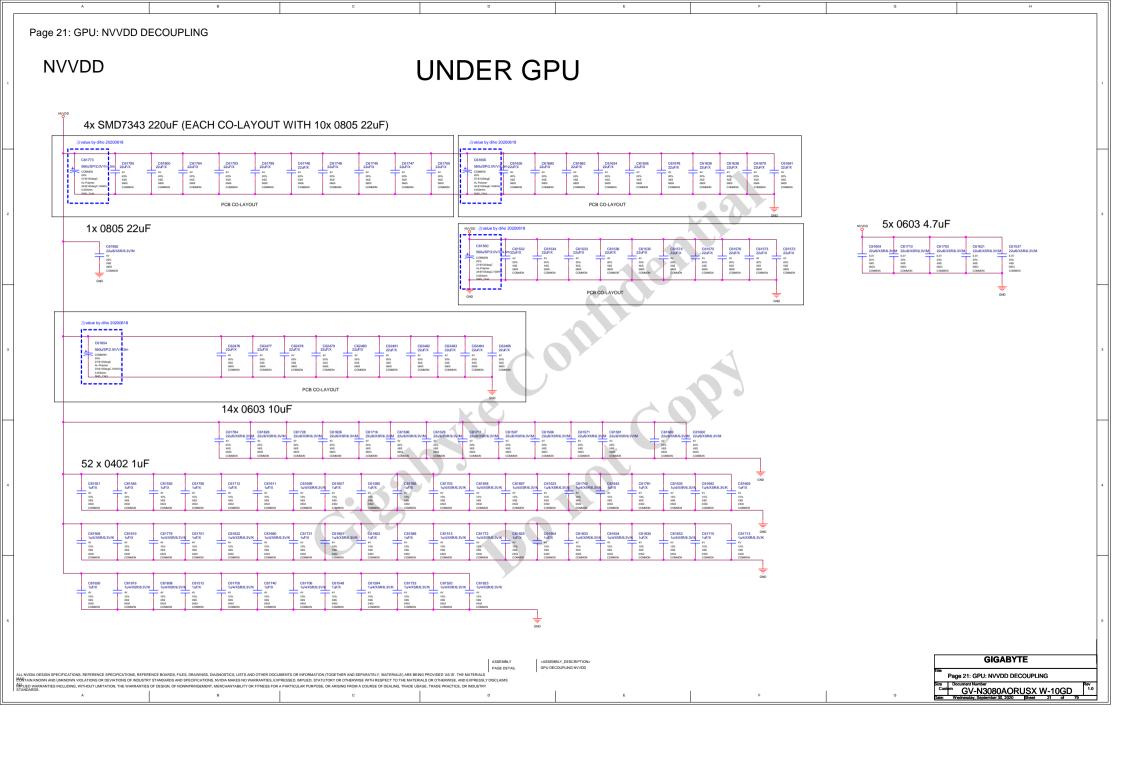








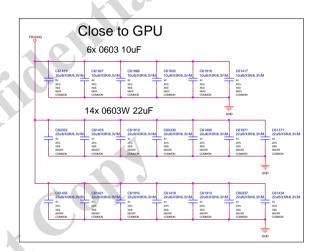




Page 22: GPU: FBVDD DECOUPLING

FBVDDQ





ASSEMBLY PAGE DETAIL

GPU DECOUPLING FBVDDQ

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Page 22: GPU: FBVDD DECOUPLING

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