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Description

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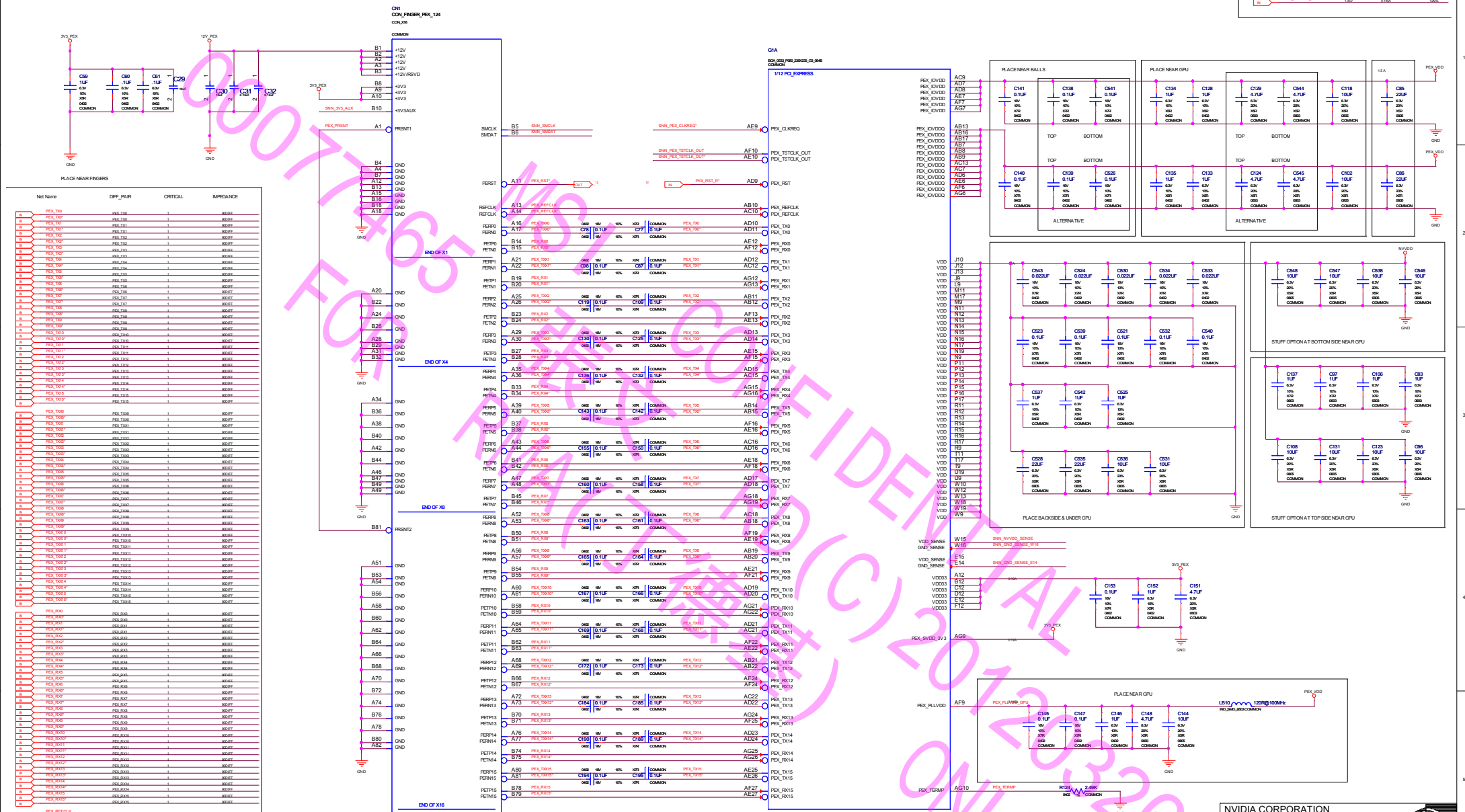


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PCI Express Interface



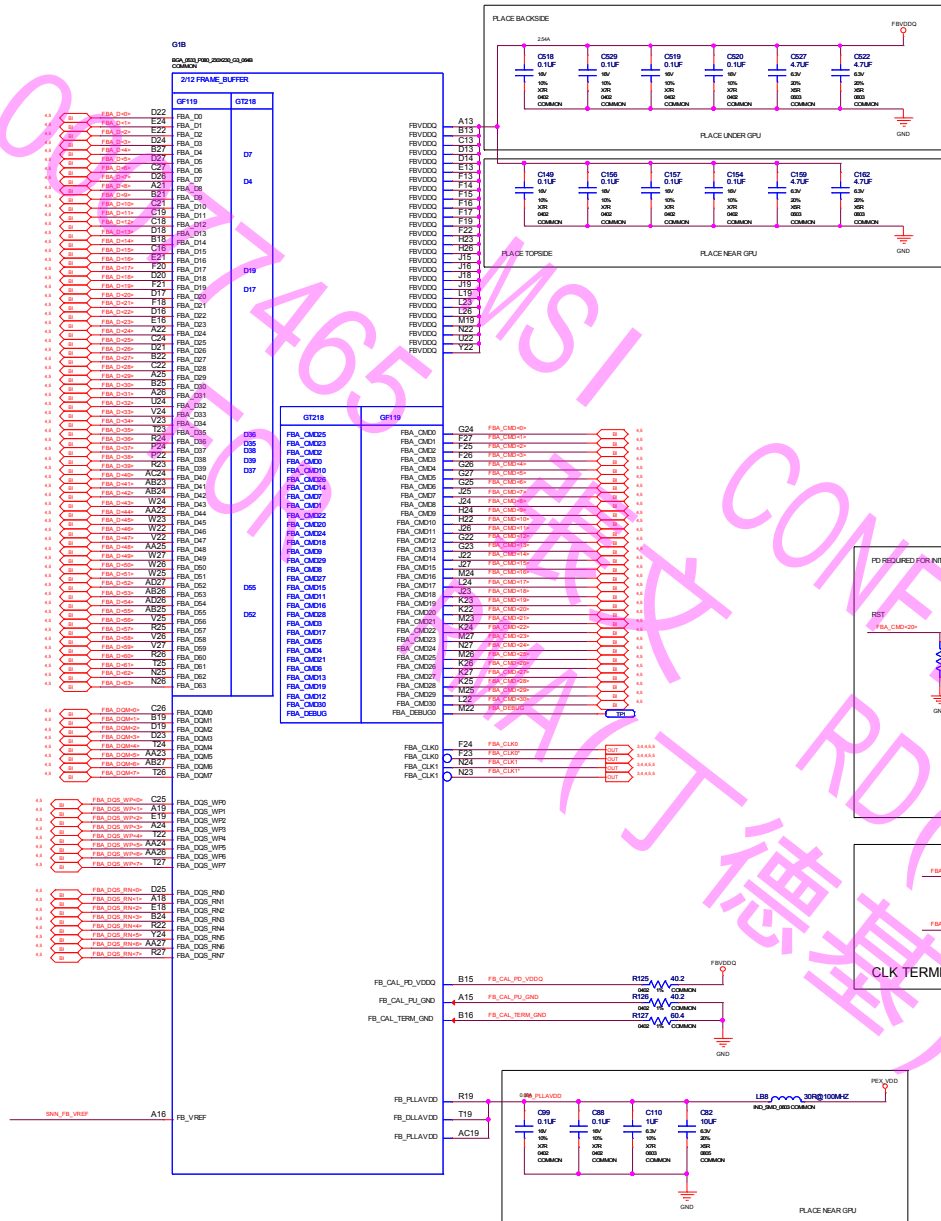
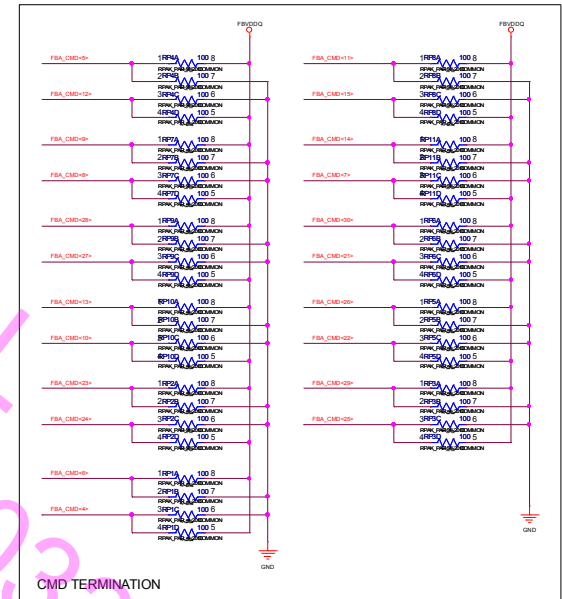
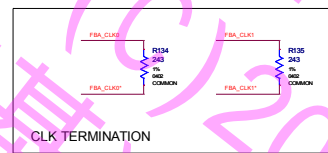
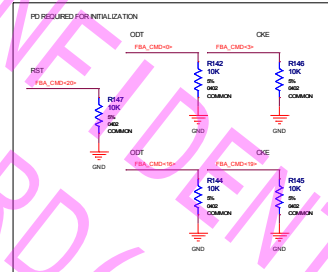
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Frame Buffer Interface

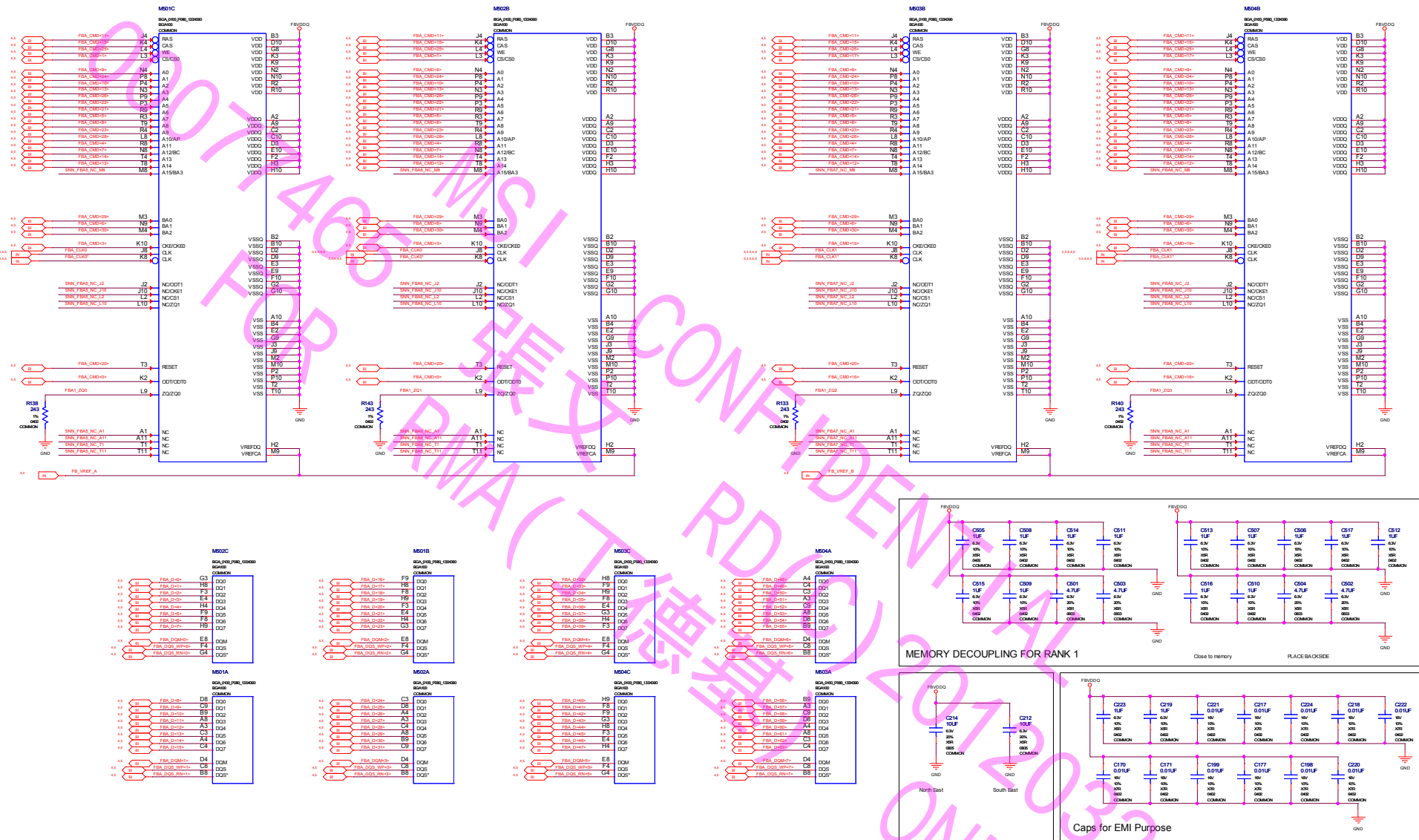
[illegible]

Net Name	DFF_PAIR	CRITICAL	IMPEDANCE
FBA_CLK0	FBA_CLK0	1	80OHM
FBA_CLK0P	FBA_CLK0P	1	80OHM
FBA_CLK1	FBA_CLK1	1	80OHM
FBA_CLK1P	FBA_CLK1	1	80OHM

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DDR3 Memories Rank 1



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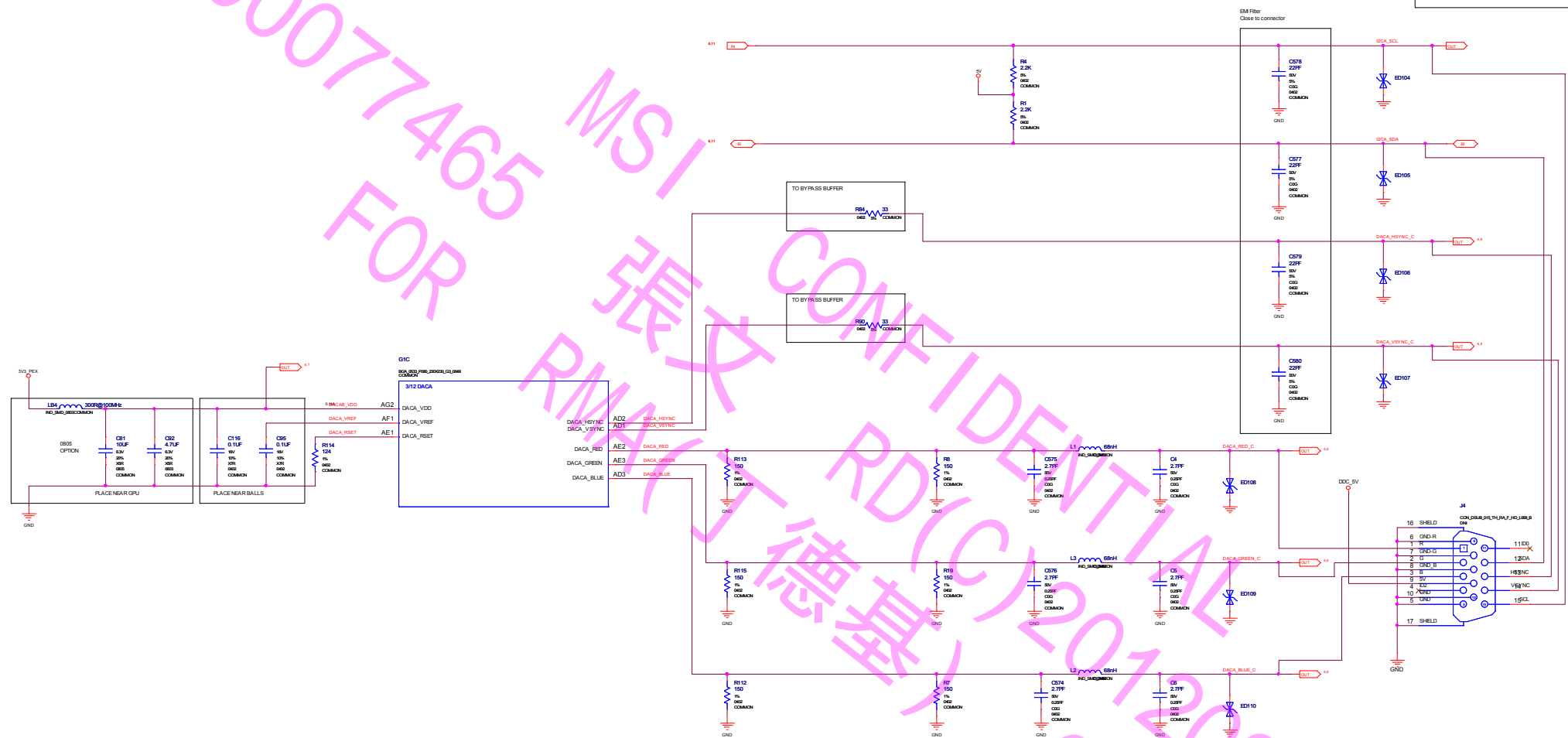
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DAC A VGA



Net Name	CRITICAL	MEDIANCE
R6 DACA_RED	1	0.000M
R6 DACA_GREEN	1	0.000M
R6 DACA_BLUE	1	0.000M
R6 DACA_VIOLET_C	1	0.000M
R6 DACA_GREEN_C	1	0.000M
R6 DACA_BLUE_C	1	0.000M
R6 DACA_PINKING	2	0.000M
R6 DACA_PIE_BUF	2	0.000M
R6 DACA_VIOLET	2	0.000M
R6 DACA_PINKING_C	2	0.000M
R6 DACA_VIOLET_C	2	0.000M
Net Name	MIN_WIDTH	MAX_CURRENT
R6 DACAS_VSD	0.008	0.00A

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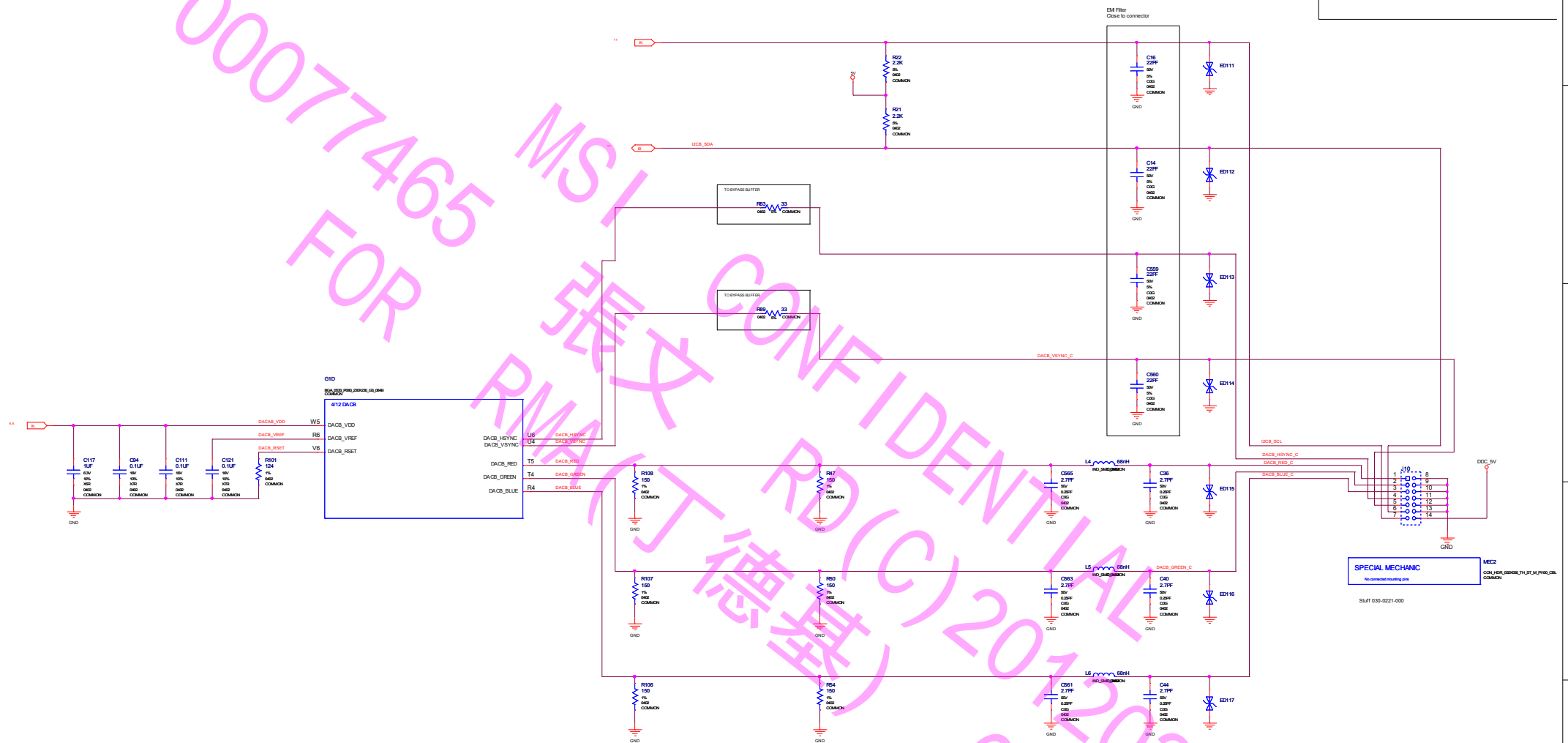
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DAC B VGA Header



	Net Name	CRITICAL	IMPEDANCE
P1	DACB_RED	1	50ohm
P1	DACB_GREEN	1	50ohm
P1	DACB_BLUE	1	50ohm
P1	DACB_PSD_C	1	50ohm
P1	DACB_GREEN_C	1	50ohm
P1	DACB_BLUE_C	1	50ohm
P1	DACB_PSD_C	1	50ohm
P1	DACB_PSYMC	2	50ohm
P1	DACB_PSYMC	2	50ohm
P1	DACB_PSYMC_C	2	50ohm
P1	DACB_PSYMC_C	2	50ohm
P1	DACB_PSD_BUF	2	50ohm
P1	DACB_PSD_BUF	2	50ohm

SPECIAL MECHAN
No connected mounting pins

Stoff 030-0221-000

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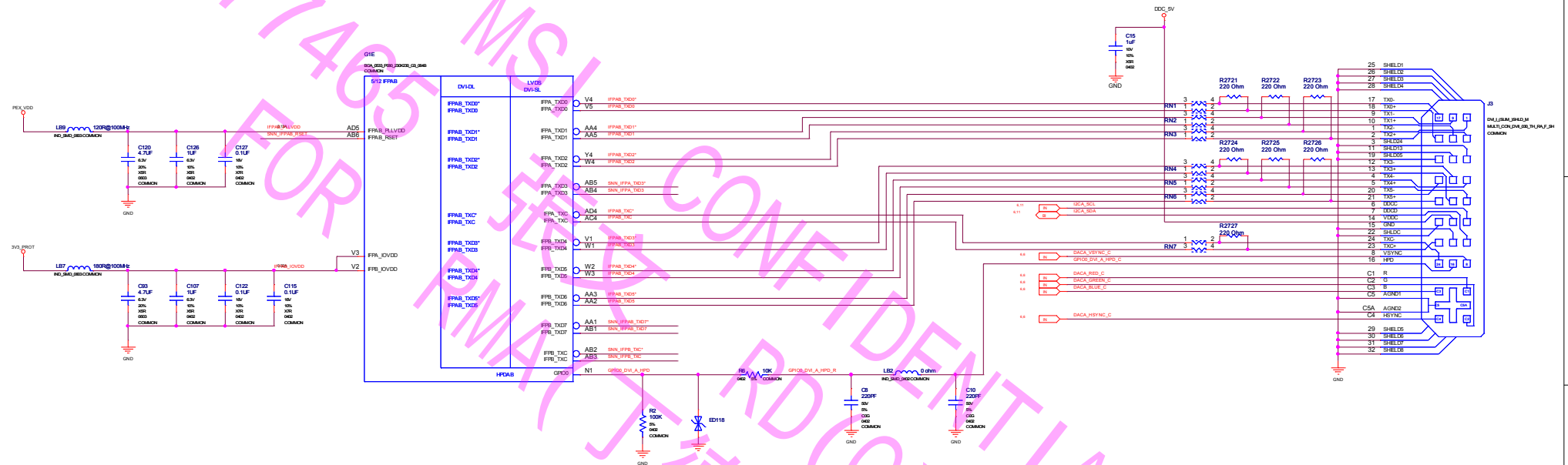
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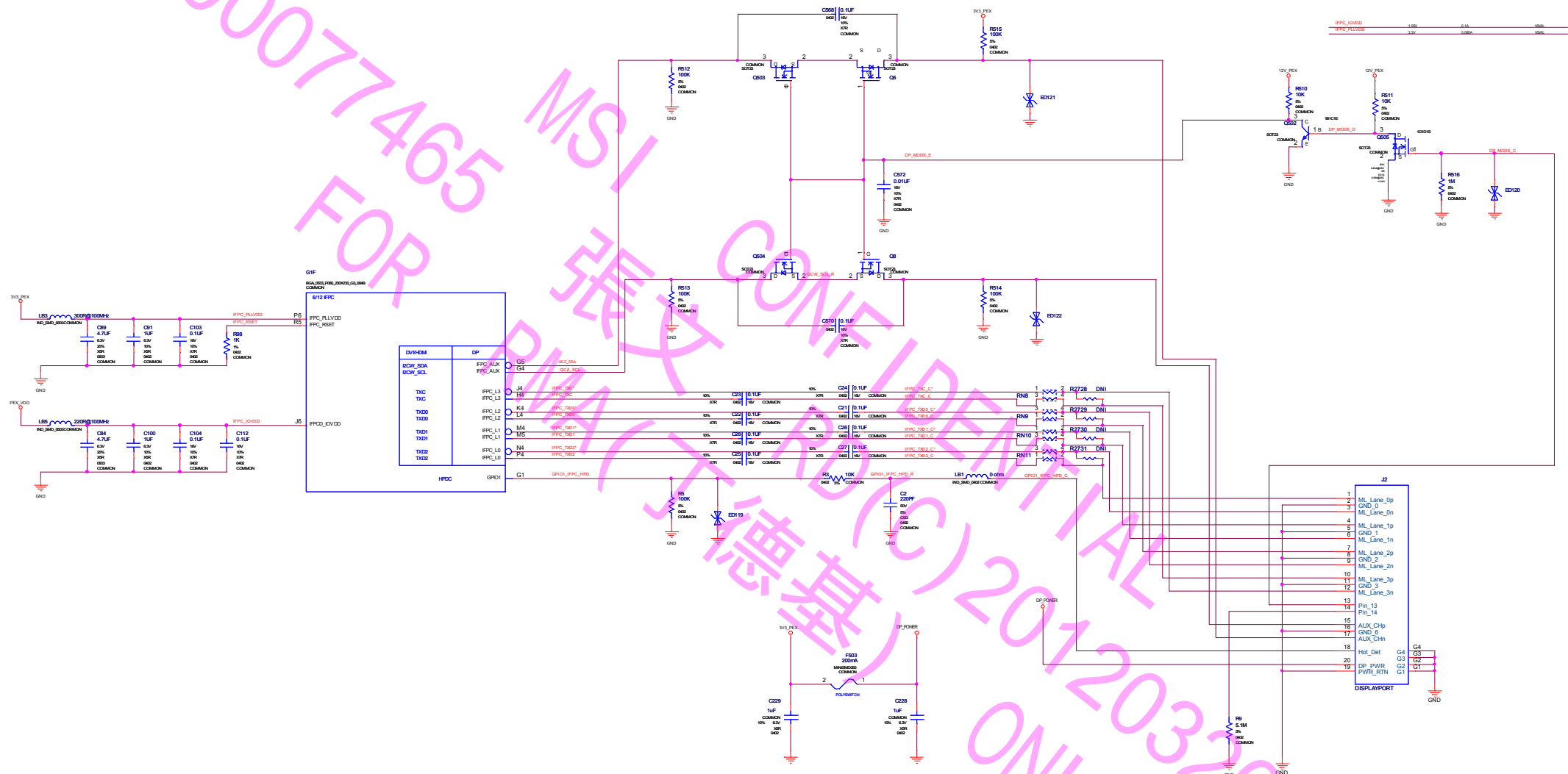
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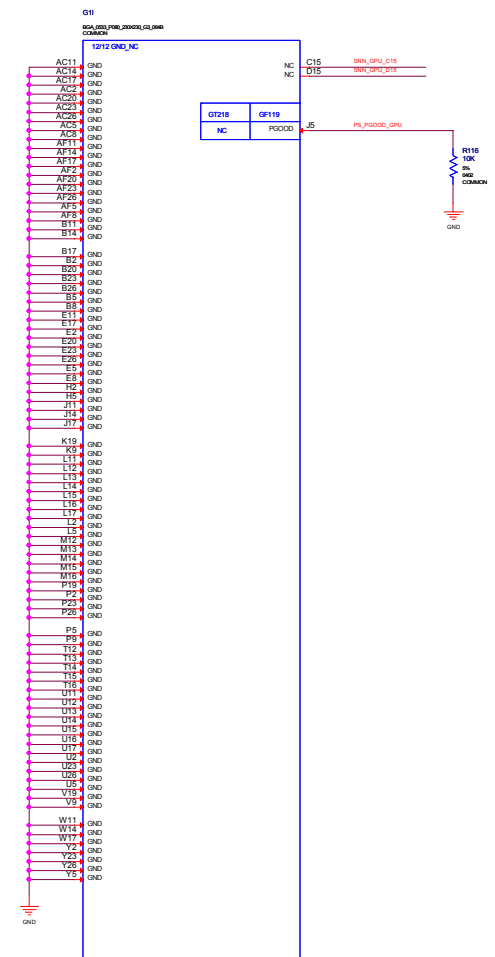
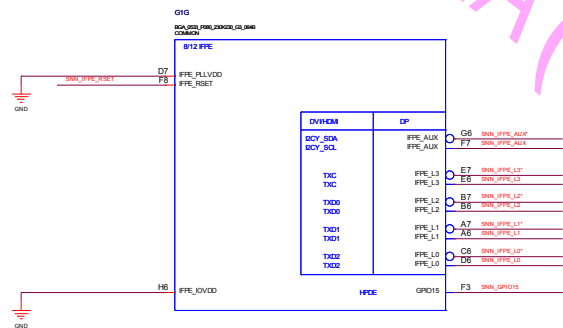
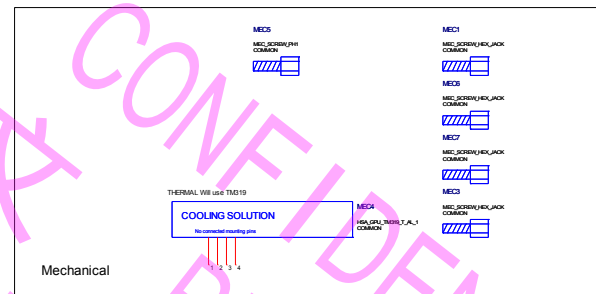
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IFPAB TMDS Interface

[illegible]

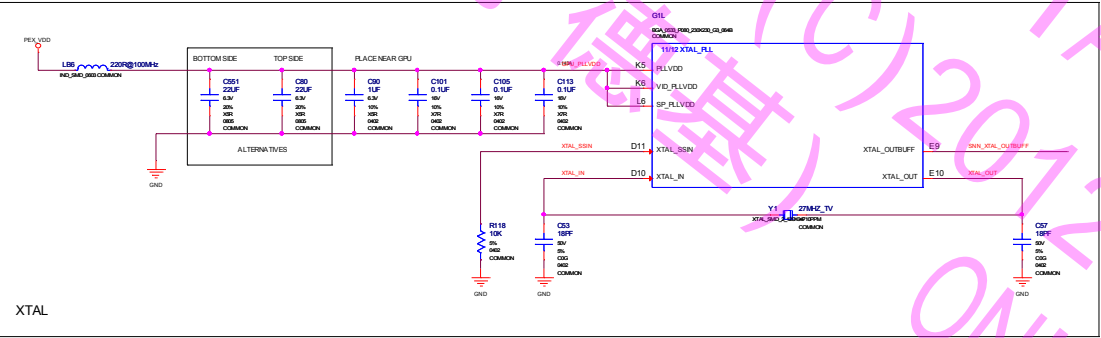
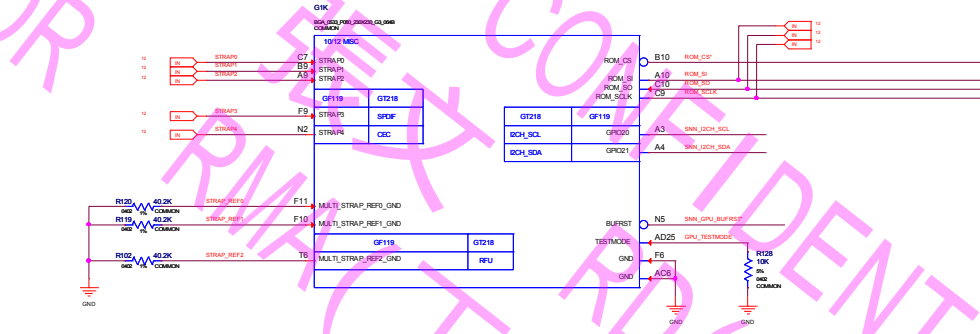
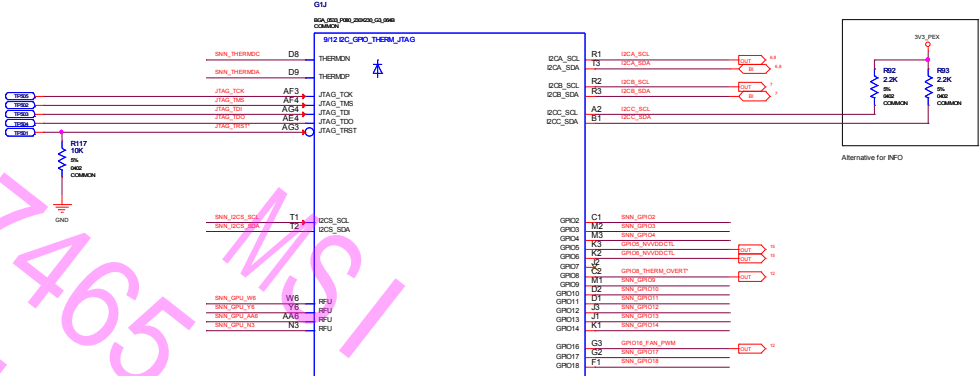


[illegible]

XTAL, ROM, INFO ROM, JTAG

Net Name	DIFF_PAIR	CRITICAL	IMPEDANCE
XTAL_OUT	XTAL	1	50Ω
XTAL_IN	XTAL	1	50Ω

Net Name	VOLTAGE	MAX_CURRENT
GPU_P1LVDD	1.05V	0.50A
SV1_D		0.50A

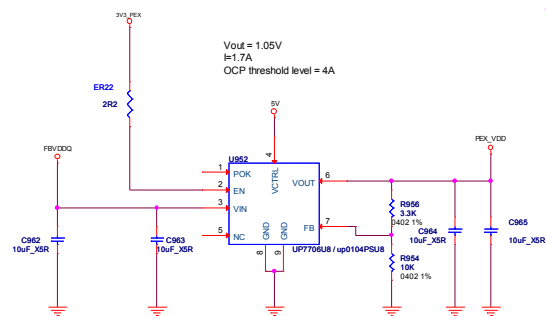
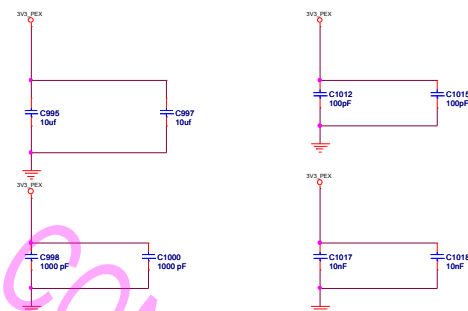
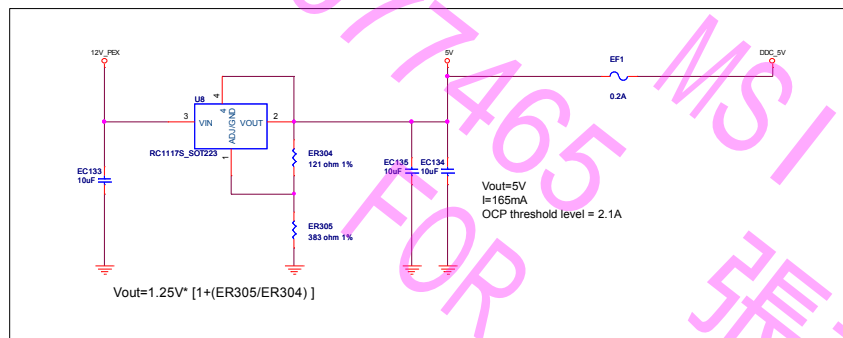


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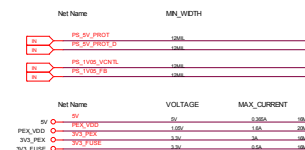
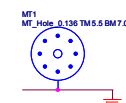
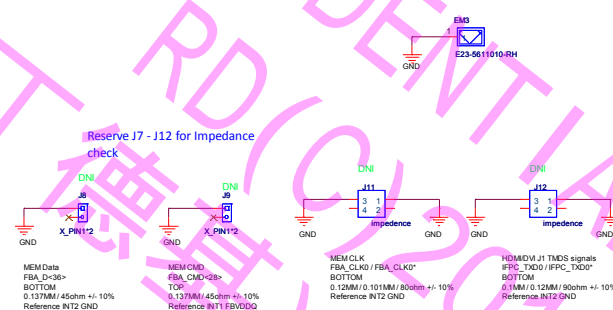
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Power Supply I: 3V3_FUSE,5V,PEXVDD

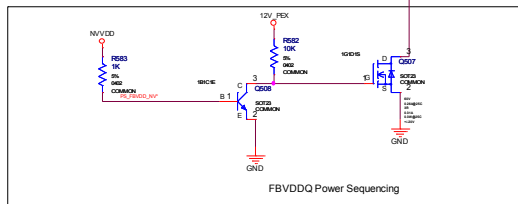


$$V_{out}=0.8V * (1+ R_{956} / R_{954})$$



[illegible]

	Net Name	MP_LINE_WIDTH	VOLTAGE	LV_NET_MAX_CURRENT
FEUDD00	FEUDD00	0.0000	1.50	50
R	FEUDD001	0.0000		
R	PS_F8_P8	0.0000		
R	PS_F8_P9	0.0000		
R	PS_F8_P10_C18	0.0000		
R	PS_F8_P10_C19	0.0000		
R	PS_F8_P10_C20	0.0000		
R	PS_F8_P10_C21	0.0000		
R	PS_F8_P10_C22	0.0000		
R	PS_F8_P10_C23	0.0000		
R	PS_F8_P10_C24	0.0000		
R	PS_F8_P10_C25	0.0000		
R	PS_F8_P10_C26	0.0000		
R	PS_F8_P10_C27	0.0000		
R	PS_F8_P10_C28	0.0000		
R	PS_F8_P10_C29	0.0000		
R	PS_F8_P10_C30	0.0000		
R	PS_F8_P10_C31	0.0000		
R	PS_F8_P10_C32	0.0000		
R	PS_F8_P10_C33	0.0000		
R	PS_F8_P10_C34	0.0000		
R	PS_F8_P10_C35	0.0000		
R	PS_F8_P10_C36	0.0000		
R	PS_F8_P10_C37	0.0000		
R	PS_F8_P10_C38	0.0000		
R	PS_F8_P10_C39	0.0000		
R	PS_F8_P10_C40	0.0000		
R	PS_F8_P10_C41	0.0000		
R	PS_F8_P10_C42	0.0000		
R	PS_F8_P10_C43	0.0000		
R	PS_F8_P10_C44	0.0000		
R	PS_F8_P10_C45	0.0000		
R	PS_F8_P10_C46	0.0000		
R	PS_F8_P10_C47	0.0000		
R	PS_F8_P10_C48	0.0000		
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R	PS_F8_P10_C99	0.0000		
R	PS_F8_P10_C100	0.0000		



$$+MVDD = 0.8 * (1 + (ER12 / ER13))$$

FBVDDQ = 1.5V
I=6.09A
I_{max}=10.36A
OCP=18.13A

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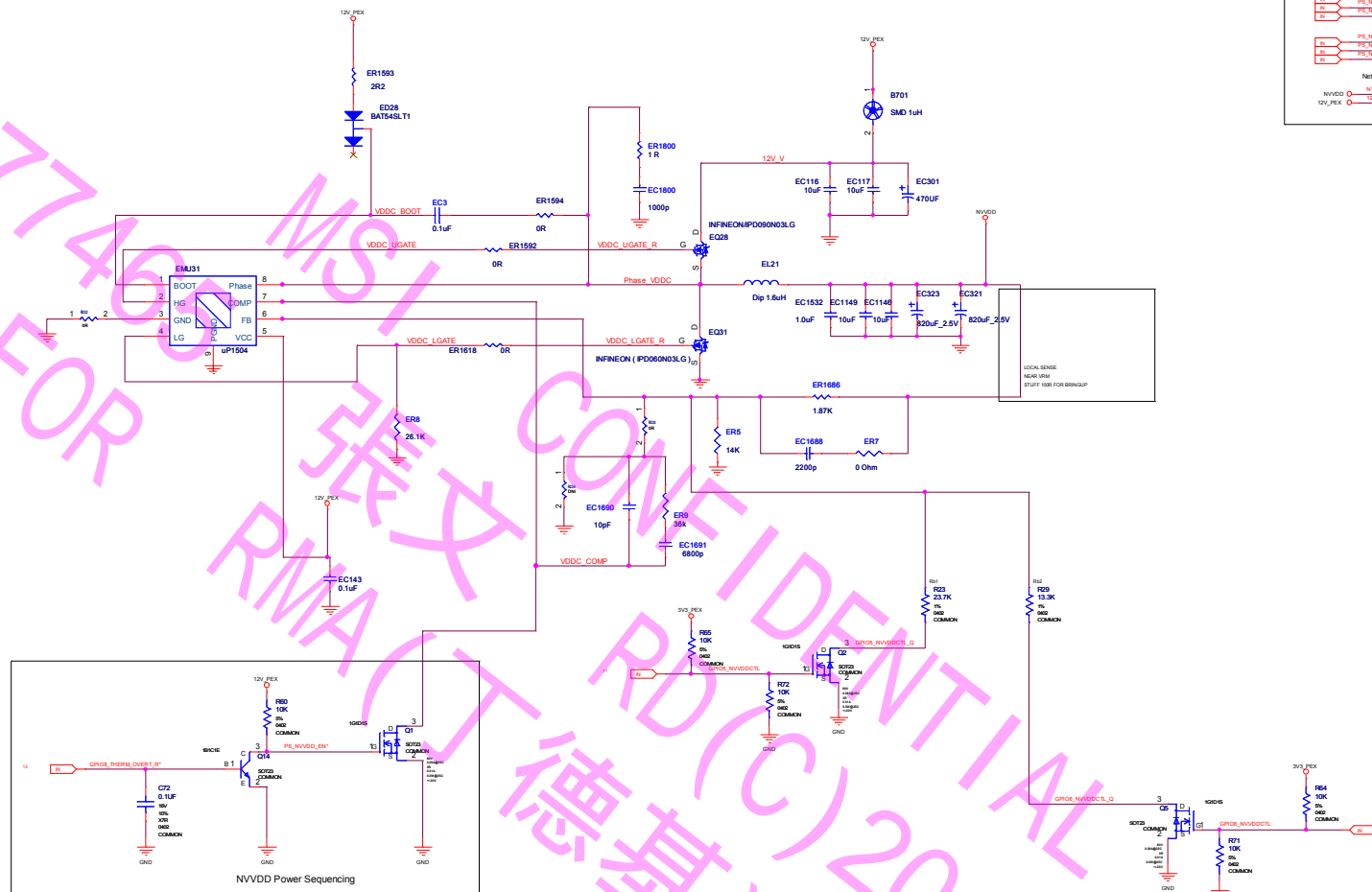
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Power Supply III: NVVDD

[illegible]

NVVD = 1.0V @ 18A

$$V_{out} = V_{ref} * (1 + R_{top}/R_{bot})$$

	GROUP[6]	NAVG0	PWM	Freq_Volt[V]
FB(SCOT) ->	0:0	0.889V	RTSGGASG 300uA 0.6V	
	0:1	0.920V	FB330 300uA 0.6V	
	0:10	0.950V	NCP157DRGSG 279uA	
	0:11	0.980V	RTSGGSG 300uA 0.6V	
FB(6) ->	1:0	1.020V	APM758AKAC 300uA	
	1:1	1.050V	APM758GSG 300uA 0.6V	
	1:10	1.075V	LEZ7TTR 300uA 0.6V	
DND(6) ->	1:11	1.105V	LEZ9ATP 220uA 0.6V	

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