

P2131\_A00

GK208 GDDR5 128X32Bit  
DP+DP


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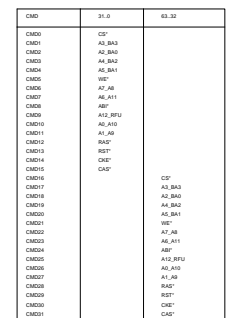
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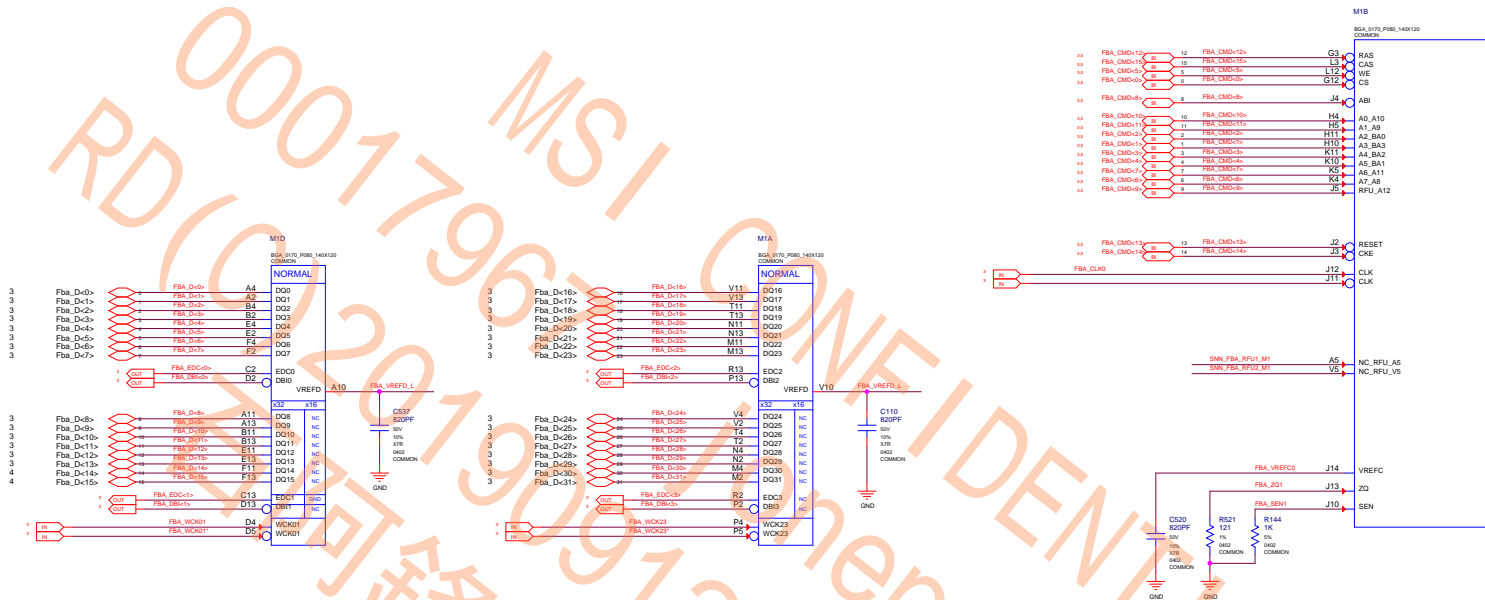
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QND	31..0	63..31
QND0	CS	
QND1	A2, BA3	
QND2	A2, BA0	
QND3	A4, BA2	
QND4	A5, BA1	
QND5	RS7	
QND6	A7, A8	
QND7	AE, A11	
QND8	AB7	
QND9	A12, RFU	
QND10	AE, A10	
QND11	A1, A9	
QND12	RS7	
QND13	RS7	
QND14	CS	
QND15	CS	
QND16	CS	
QND17	A2, BA3	
QND18	A2, BA0	
QND19	A4, BA2	
QND20	A5, BA1	
QND21	RS7	
QND22	A7, A8	
QND23	AE, A11	
QND24	AB7	
QND25	A12, RFU	
QND26	AE, A10	
QND27	A1, A9	
QND28	RS7	
QND29	RS7	
QND30	CS	
QND31	CS	

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FB Partition A Die 31..0

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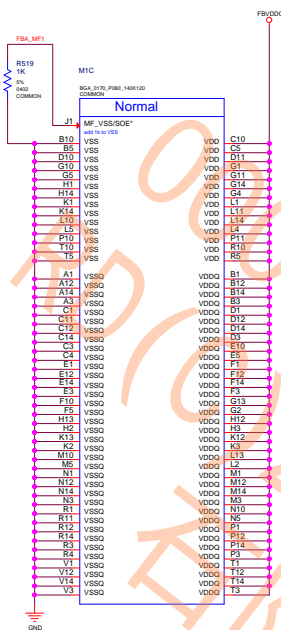
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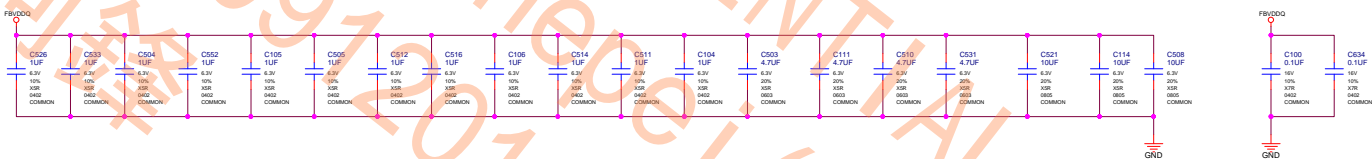
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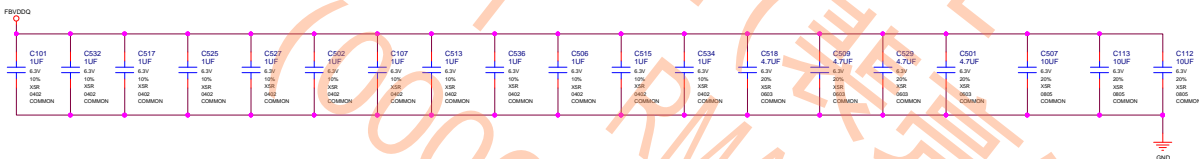




DECOUPLING FOR M1 and M501 DEVICE



DECOUPLING FOR M2 and M502 DEVICE



PLACE 1uF CAPS CLOSEST TO THE MEMORY DEVICES

PLACE LARGER CAPACITORS SLIGHTLY FARTHER AWAY

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DECOUPLING for DRAMs

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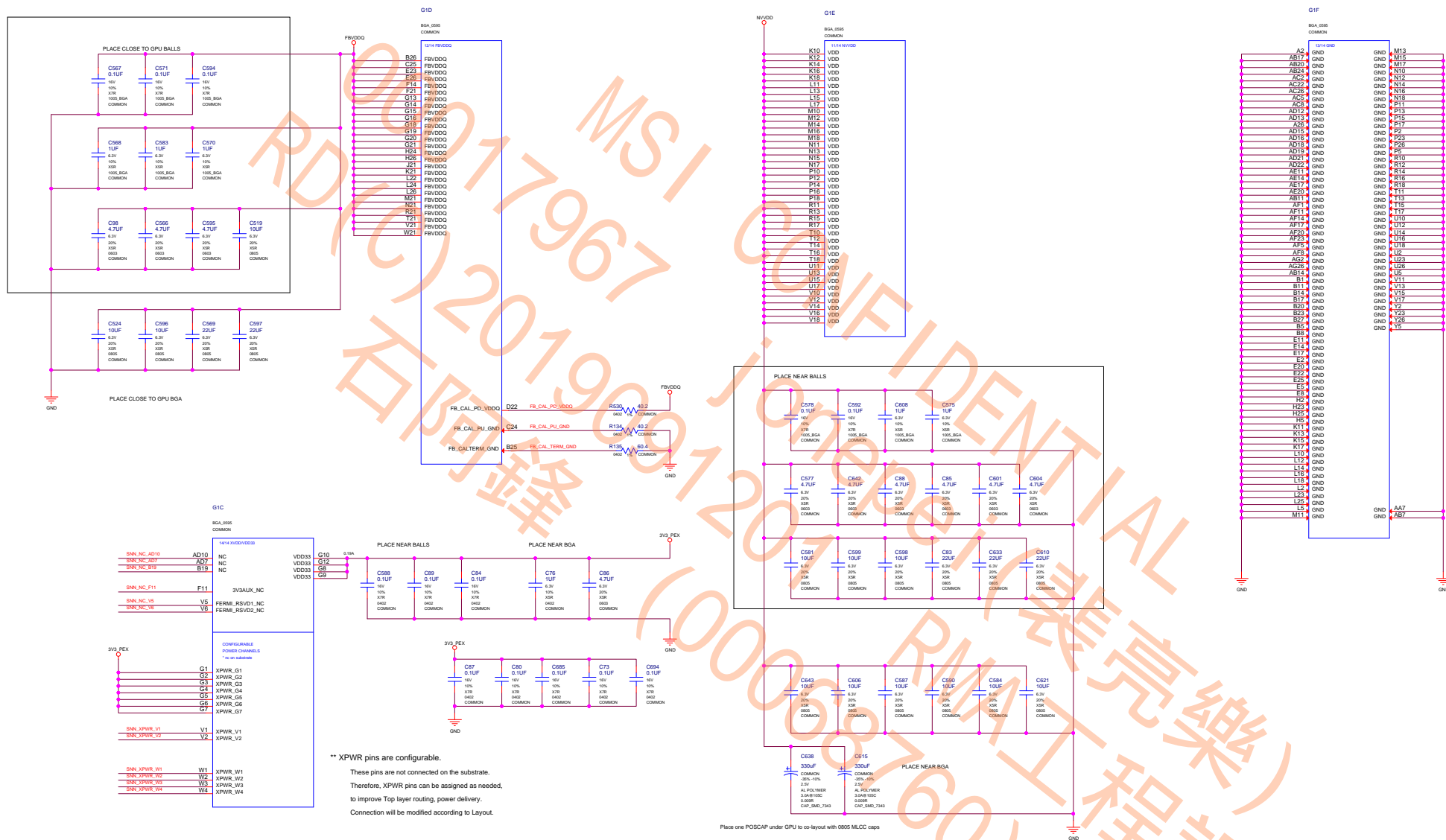
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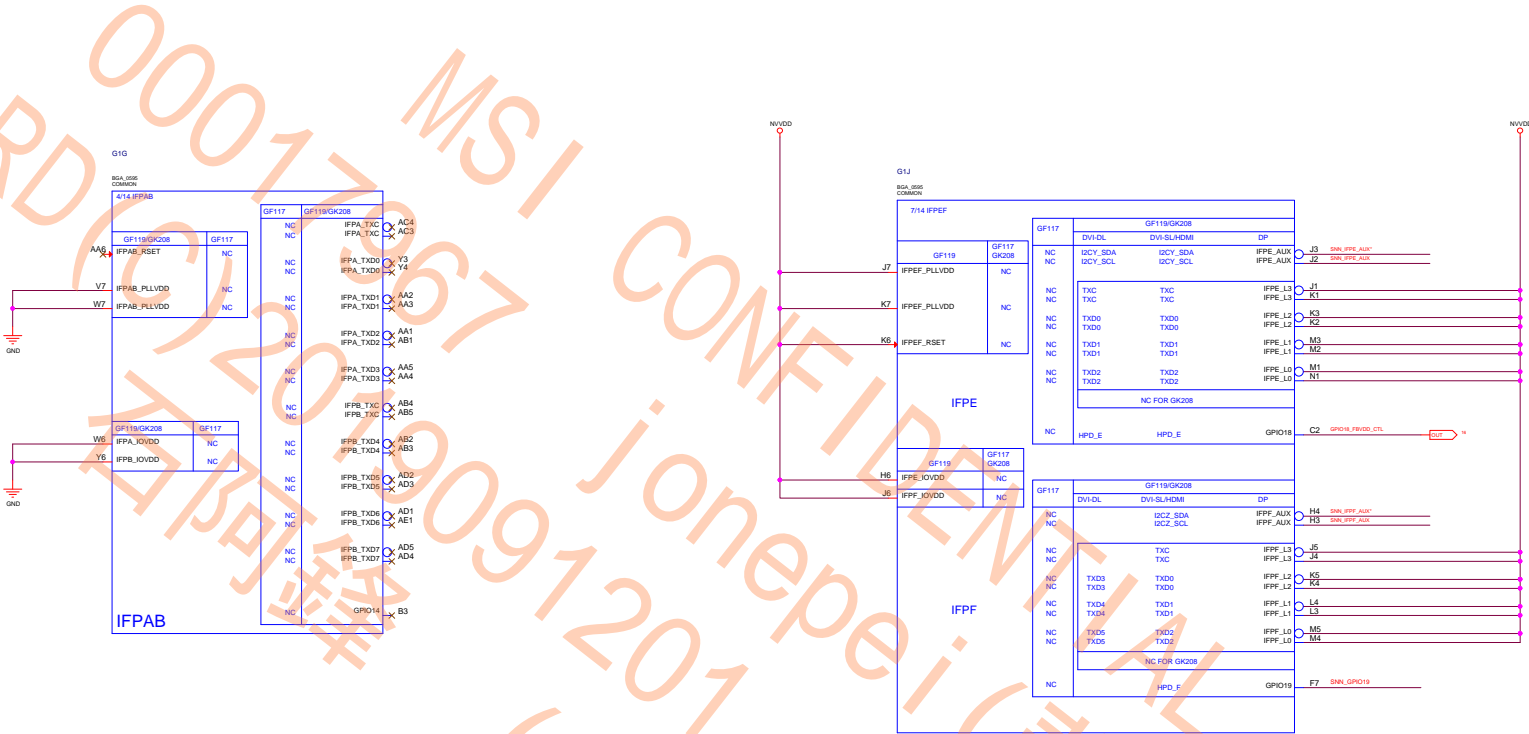
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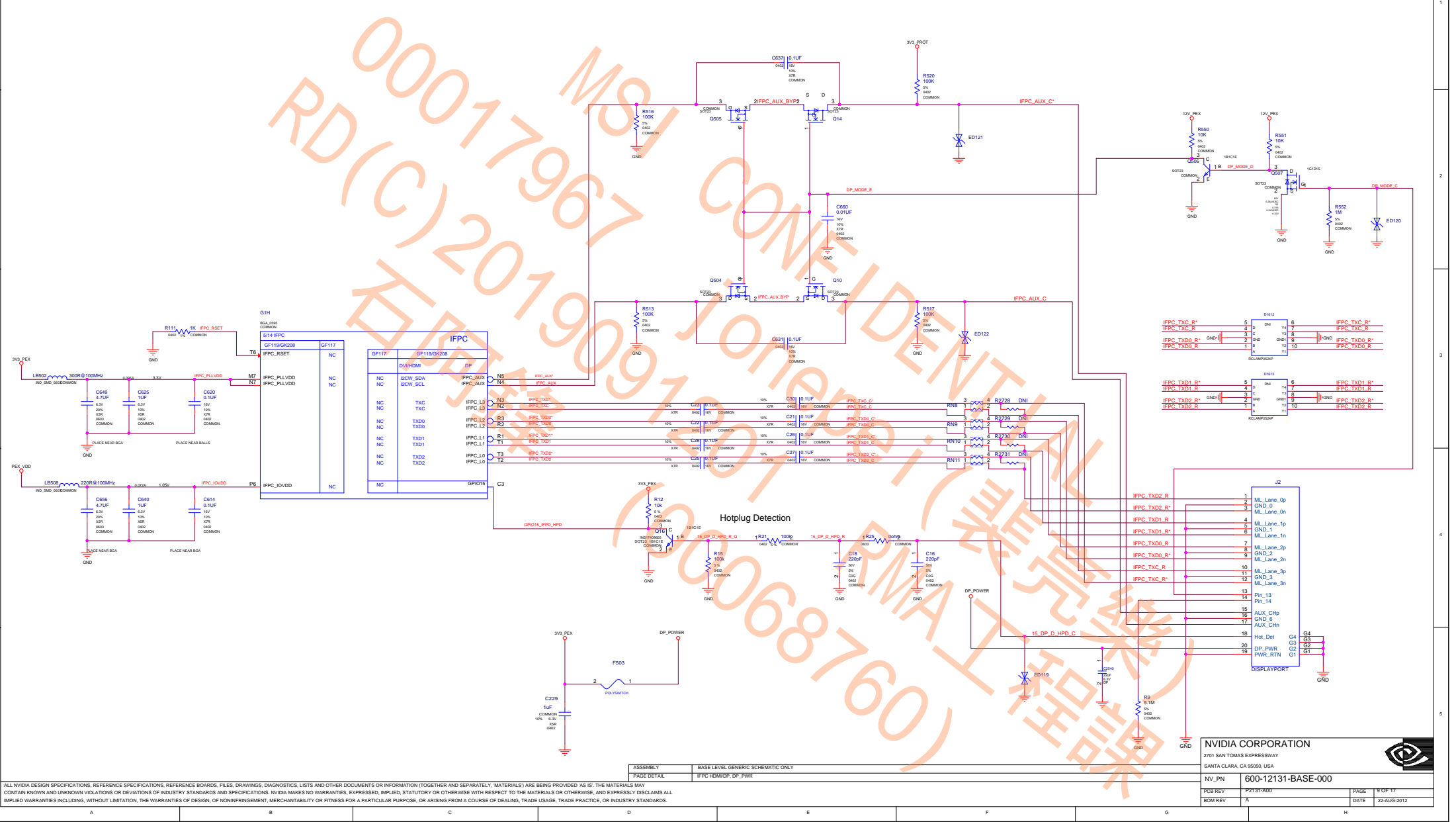
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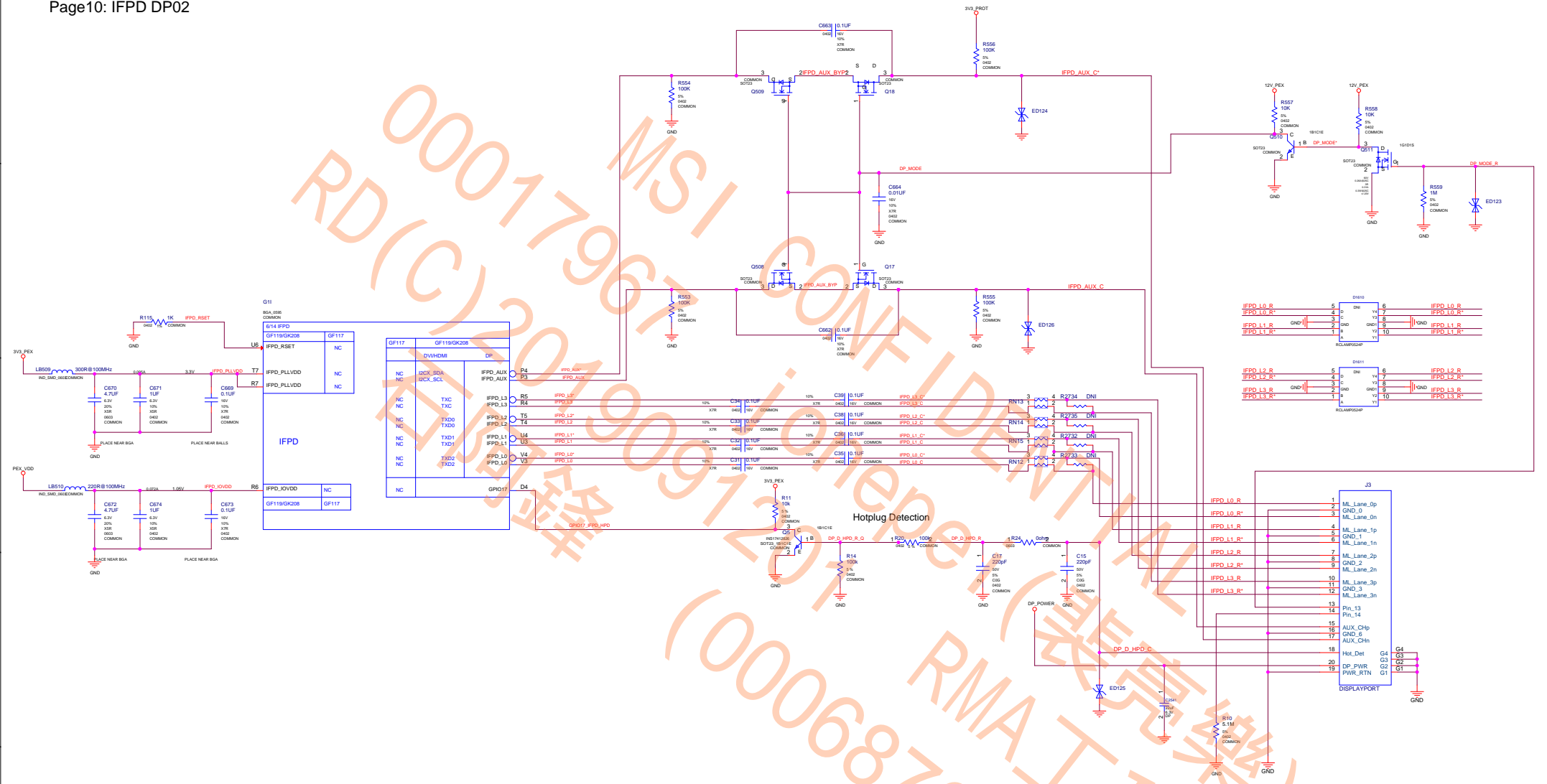
ASSEMBLY	BASE LEVEL GENERIC SCHEMATIC ONLY
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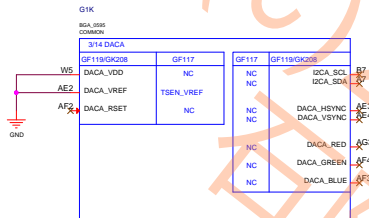






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PAGE DETAIL	UNUSED IFPD, IFPE & IFPF

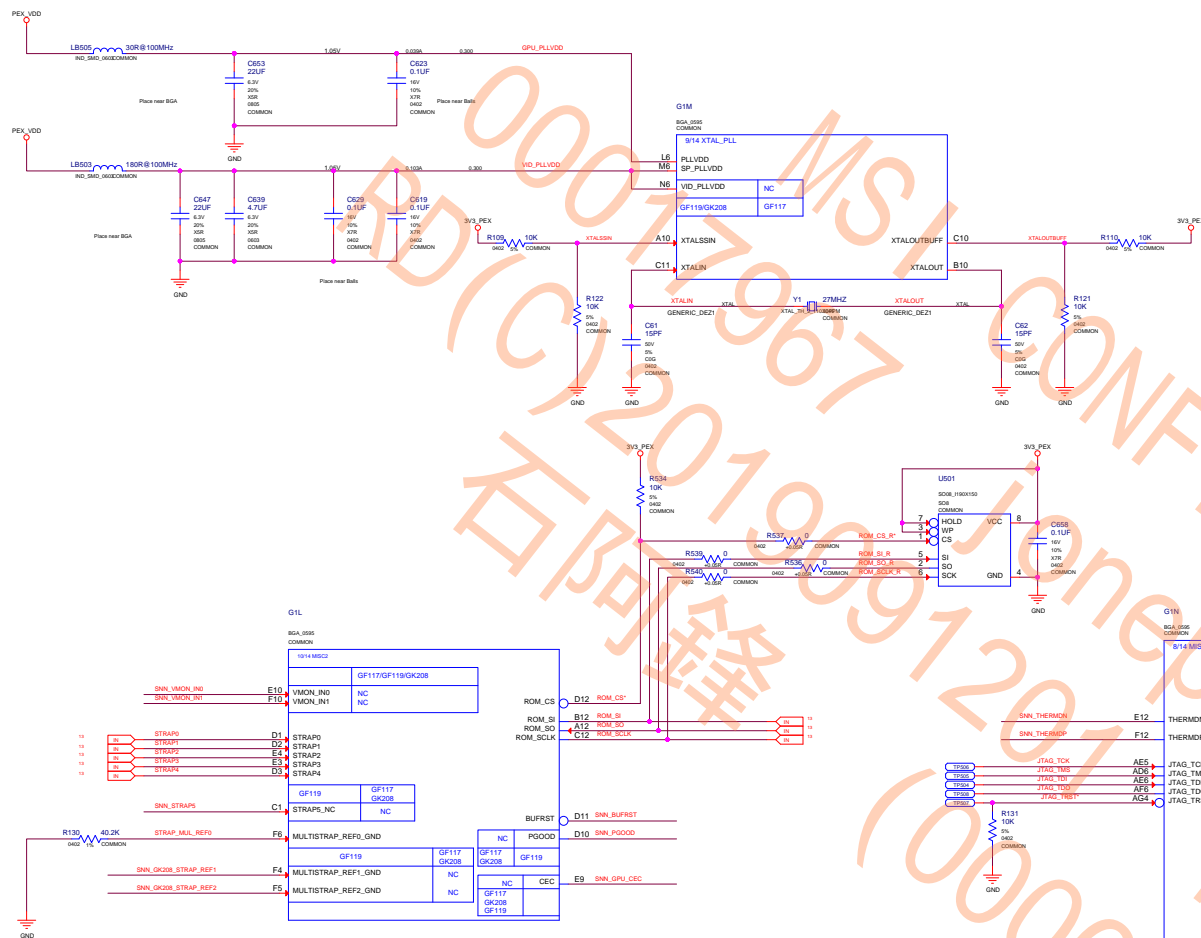
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GK208 GB2-64 package only supports  
DACA, so one SKU can only have  
one VGA output: North or South.

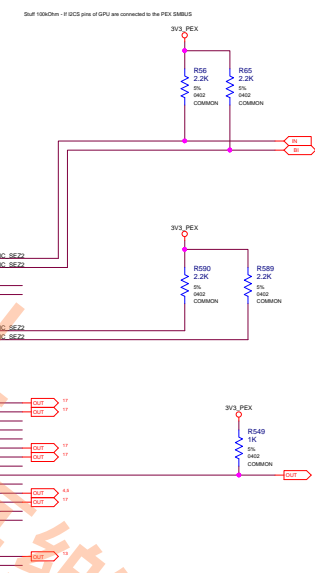
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## Smart Fan

XTALSSIN	XTALOUTBUFF	Inverted PWM %
PU	PU	66 (33% HIGH)
PU	PD	50 (50% HIGH)
PD	PU	33 (66% HIGH)
PD	PD	0 (100% HIGH)



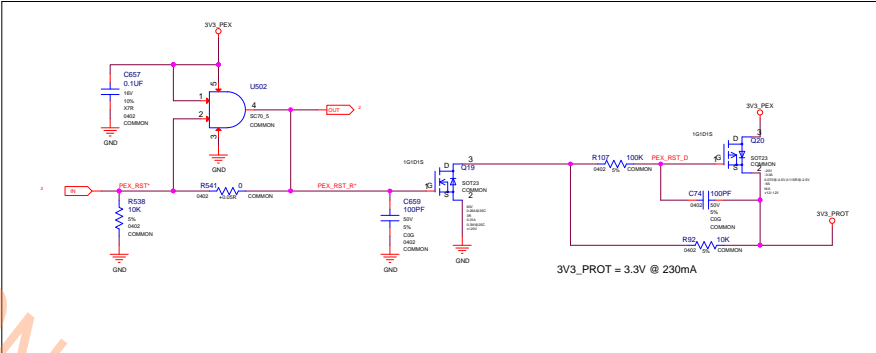
Multilevel Straps

0000	5.1K to GND	1000	5.1K to VCC
0001	10K to GND	1001	10K to VCC
0010	10K to GND	1010	10K to VCC
0011	20K to GND	1011	20K to VCC
0100	24.9K to GND	1100	24.9K to VCC
0101	30.1K to GND	1101	30.1K to VCC
0110	34.8K to GND	1110	34.8K to VCC
0111	45.3K to GND	1111	45.3K to VCC

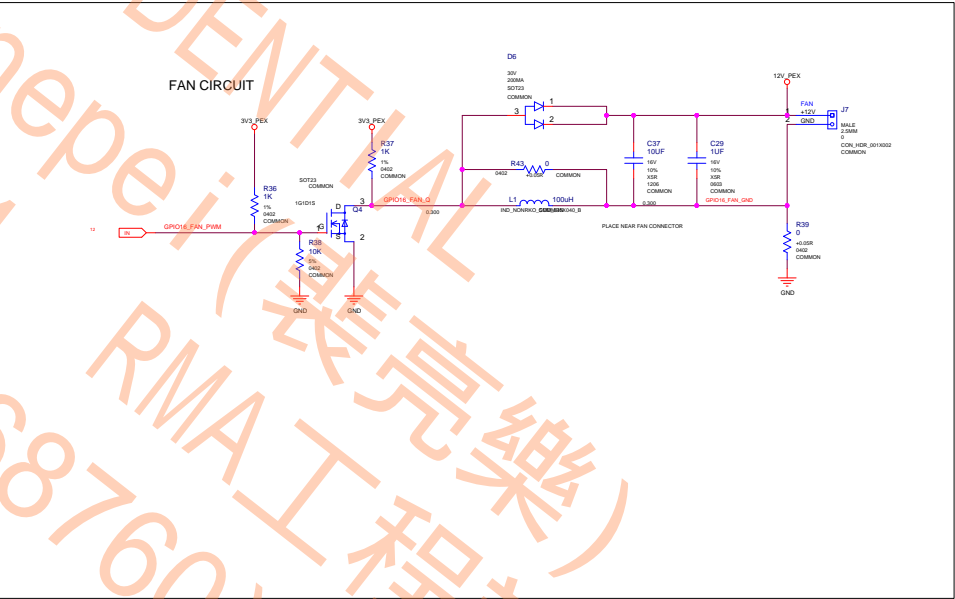
GK208 Straps

Bit Signal	Values	
03 RAMCFG0	0000	Reserved
02 RAMCFG0	0001	Reserved
01 RAMCFG0	0010	Reserved
00 RAMCFG0	0011	Reserved
03 FBT0	01	128MB
02 FBT0	10	256MB
01 SMI_ALT_ADDR	0	DISABLED
00 VGA_DEVICE	0	DISABLED
03 POL_DEV0_EXT	0000	0
02 SUB_VENDOR	0	NO BIOS
01 POL_DEV0_EXT_BTS	0000	0
00 FEX_PAL_EN_TERMINO	0	DISABLED
03 USER0	0000	NOT
02 USER0	0001	NOT
01 USER0	0010	NOT
00 USER0	0011	NOT
03 3G0_PADCFG_LUT_ADDR0	0000	DISKTOP_DEFAULT
02 3G0_PADCFG_LUT_ADDR0	0001	MOBILE_JTHRS_LAMP
01 3G0_PADCFG_LUT_ADDR0	0010	MOBILE_JTHRS_LAMP
00 3G0_PADCFG_LUT_ADDR0	0011	MOBILE_JTHRS_LAMP
03 3G0_PADCFG_LUT_ADDR1	0100	MOBILE_JTHRS_LAMP
02 3G0_PADCFG_LUT_ADDR1	0101	MOBILE_JTHRS_LAMP
01 3G0_PADCFG_LUT_ADDR1	0110	MOBILE_JTHRS_LAMP
00 3G0_PADCFG_LUT_ADDR1	0111	MOBILE_JTHRS_LAMP
03 POL_DEV000	0000	0010
02 POL_DEV000	0001	0010
01 POL_DEV000	0010	TBD
00 POL_DEV000	0011	TBD
03 SC0R0_EXPOSED	0	DISABLED
02 SC0R0_EXPOSED	0	DISABLED
01 SC0R0_EXPOSED	0	DISABLED
00 SC0R0_EXPOSED	0	DISABLED
03 POL_SPEED_CHANGE_GEN0	0	DISABLED
02 POL_SPEED_CHANGE_GEN0	0	GEN1
01 POL_SPEED_CHANGE_GEN0	0	GEN2
00 POL_SPEED_CHANGE_GEN0	0	USE I/O

PCI-E Reset



FAN CIRCUIT



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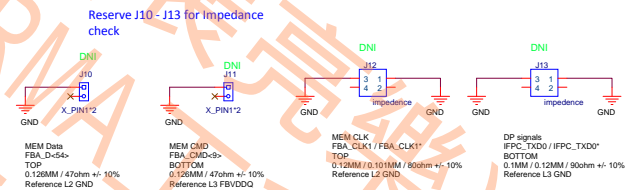
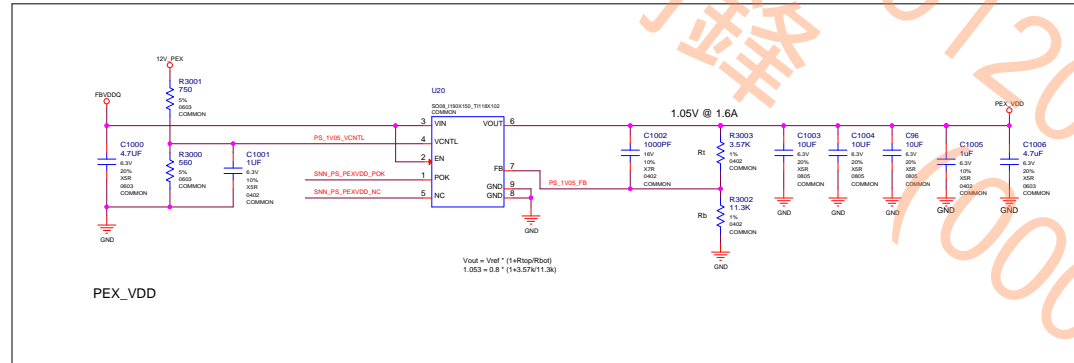
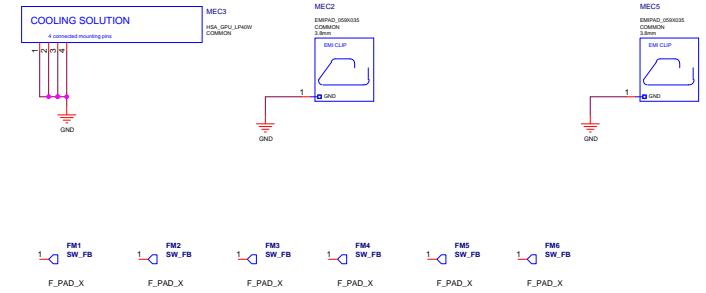
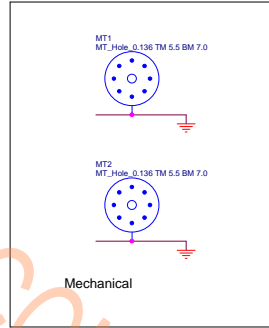
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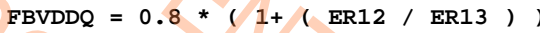
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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI	FJ	FK	FL	FM	FN	FO	FP	FQ	FR	FS	FT	FU	FV	FW	FX	FY	FZ	GA	GB	GC	GD	GE	GF	GG	GH	GI	GJ	GK	GL	GM	GN	GO	GP	GQ	GR	GS	GT	GU	GV	GW	GX	GY	GZ	HA	HB	HC	HD	HE	HF	HG	HH	HI	HJ	HK	HL	HM	HN	HO	HP	HQ	HR	HS	HT	HU	HV	HW	HX	HY	HZ	IA	IB	IC	ID	IE	IF	IG	IH	II	IJ	IK	IL	IM	IN	IO	IP	IQ	IR	IS	IT	IU	IV	IW	IX	IY	IZ	JA	JB	JC	JD	JE	JF	JG	JH	JI	IJ	JK	KL	KM	KN	KO	KP	KQ	KR	KS	KT	KU	KV	KW	KX	KY	KZ	LA	LB	LC	LD	LE	LF	LG	LH	LI	LJ	LK	LL	LM	LN	LO	LP	LQ	LR	LS	LT	LU	LV	LW	LX	LY	LZ	MA	MB	MC	MD	ME	MF	MG	MH	MI	MJ	MK	ML	MM	MN	MO	MP	MQ	MR	MS	MT	MU	MV	MW	MX	MY	MZ	NA	NB	NC	ND	NE	NF	NG	NH	NI	NJ	NK	NL	NM	NN	NO	NP	NQ	NR	NS	NT	NU	NV	NW	NX	NY	NZ	OA	OB	OC	OD	OE	OF	OG	OH	OI	OJ	OK	OL	OM	ON	OO	OP	OQ	OR	OS	OT	OU	OV	OW	OX	OY	OZ	PA	PB	PC	PD	PE	PF	PG	PH	PI	PJ	PK	PL	PM	PN	PO	PP	PQ	PR	PS	PT	PU	PV	PW	PX	PY	PZ	QA	QB	QC	QD	QE	QF	QG	QH	QI	QJ	QK	QL	QM	QN	QO	QP	QQ	QR	QS	QT	QU	QV	QW	QX	QY	QZ	RA	RB	RC	RD	RE	RF	RG	RH	RI	RJ	RK	RL	RM	RN	RO	RP	RQ	RR	RS	RT	RU	RV	RW	RX	RY	RZ	SA	SB	SC	SD	SE	SF	SG	SH	SI	SJ	SK	SL	SM	SN	SO	SP	SQ	SR	SS	ST	SU	SV	SW	SX	SY	SZ	TA	TB	TC	TD	TE	TF	TG	TH	TI	TJ	TK	TL	TM	TN	TO	TP	TQ	TR	TS	TT	TU	TV	TW	TX	TY	TZ	UA	UB	UC	UD	UE	UF	UG	UH	UI	UJ	UK	UL	UM	UN	UO	UP	UQ	UR	US	UT	UU	UV	UW	UX	UY	UZ	VA	VB	VC	VD	VE	VF	VG	VH	VI	VJ	VK	VL	VM	VN	VO	VP	VQ	VR	VS	VT	VU	VV	VW	VX	VY	VZ	WA	WB	WC	WD	WE	WF	WG	WH	WI	WJ	WK	WL	WM	WN	WO	WP	WQ	WR	WS	WT	WU	WV	WW	WX	WY	WZ	XA	XB	XC	XD	XE	XF	XG	XH	XI	XJ	XK	XL	XM	XN	XO	XP	XQ	XR	XS	XT	XU	XV	XW	XX	XY	XZ	YA	YB	YC	YD	YE	YF	YG	YH	YI	YJ	YK	YL	YM	YN	YO	YP	YQ	YR	YS	YT	YU	YV	YW	YX	YY	YZ	ZA	ZB	ZC	ZD	ZE	ZF	ZG	ZH	ZI	ZJ	ZK	ZL	ZM	ZN	ZO	ZP	ZQ	ZR	ZS	ZT	ZU	ZV	ZW	ZX	ZY	ZZ	AA	AB	AC	AD</
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