

PCH\_GPIO

		Rignal Name	Power on Default States	NEASUL Pull up / down SOT FO TOX	
OPP_AD	Use As Nativel	Highal Hame	Death sains	Pair up / seem	Power +212
GPF_AG	1071762	NC_IN#		EXT PU 1UE	+3722
GPP_A1	Mativel	LPC_ADD			
	Nativel	LPC_ADD LPC_ADD			
09F_A3	Nativel	LPC_AD2			
02F_M	Mativel	LPC_AD3			
SPP_AS	Mativel	LPC ADS LPC FRANCE			
099_X6	Mativel	INT_SERING		EXT PU 10E	+312
GPF A7	evizam	PIRQAF		EXT PU 10K	+312
027 AS	Native	NW CTRNIMA		fort FU 9.2K	+212
SPF A9	Nativel	CTK KRCACI NOR			
0PP_A10	Native	CTK DEBIDO			
OPP ALL	090	CELEBRO			
SPF_ALL					
GPP_A12	820				
SPF_A13	Nativel	MR_EUSPICENACK_R		EXT PU 10K	+31903
OPP_A14	Mativel	803_STAT#			
SPF A15	feriteR	SUBACK R#			
OPP_A16 OPP_A17	090				
GPP A17	090				
OPP_AIR	090				
09F_A19	090				
099_A20	070				
09F-A21	GPO				
099_A22	090				
OPP A23	GPO				
GFF_K21	DFO				
0PF_B0	GPO .				
0PP_B1	GPO .				
099_82	090				
GPF R3	GPO				
GPF 84	GPO				
027 RS	Mativel	CLK_REQ_CR#		EXT PU 10K	+318
027.36	Mativel	CTE MED SEDA		EXT PU 10K	+312
GPP 87	Nativel	CLE REQ NLANF	_	FORT PU 10K	+212
077 89	070		_		-
000 BO	GPO GPO				
099_89				EXCT PO 10E	+312
09F B10	Mativel .	CLE_REQ_VOA#			
OPP_811	GPO	PCK SLP SOF		EXT PU 0100K	+21903
OPP B12	Native	PCH_SLP_SD#		EXT PU 0101K	+31903
SPP_B13	Native	PLT RET#			
09F R14	090				
09F_B15	OPI	LRD 12C INT PCH#		sort su @10x	+212
099 816	090				
099 B17	090	CARC_EN			
	091	Tracel INT# 2mp		EXT PU 10K	+212
099 919	920				
099_819 099_820	GPO	NT_ON_PCH GPO_EVENT#		sorr PU 10x	+212
0PF_821	GPI	UPU_EVERITY		AAT PU LUE	7310
UPP_BALL		006 PR RM 2.2		EXT PU LOUE	
099_822	GPO				-2000-
099_B23	WYLTER	SMLIALERT#		EXT PE LOSE	-20071
SPF_C0	67174H	SHR CK		ROOT WEET 23,2 No.	
099_Cl	evitem	SMB_DATA	TAY.	EXCE PO CA 28	Franch A
699_C1 699_C2	evitem	SMB_DATA	VV	1000 P 2014	APPORT V
699_C1 699_C2 699_C3	Native SPO Native	SMB_DATA	VV	ESET PU 2.2x	+27503
699_C1 699_C2 699_C3	Sative SPO Native	SMB_DATA	VV	EXT PU 2.2K	+39303
699_C1 699_C2 699_C3	Mative Mative Mative	SMB_DATA	VV	EXT PU 2.2K	+39303
699 C1 699 C2 699 C1 699 C4 699 C5	Mative GPO Mative Mative GPO	SMB_DATA	VV	8000 PG 2.2K 8000 PG 2.2K PG 80/PG 820K	+3vaux +3vaux +3va uax
699_C1 699_C2 699_C3 699_C3 699_C5	Mative OPO Mative Mative OPO Mative	SMB_DATA	VV	ECT PU 2.2E ECT PU 2.2E PU 80/PD 820E ECT PU 2.2E	+21/2028 +21/2028 +21/2028
699_C1 699_C2 699_C1 699_C1 699_C1 699_C5 699_C5	Mative OPO Mative Mative OPO Mative Mative Mative	SMB_DATA	VV	8000 PG 2.2K 8000 PG 2.2K PG 80/PG 820K	+3vaux +3vaux +3va uax
699_C1 699_C2 699_C1 699_C1 699_C1 699_C5 699_C5	NATIVE OPO NATIVE NATIVE OPO NATIVE NATIVE OPO NATIVE OPO	SMB_DATA	EXT	ECT PU 2.2E ECT PU 2.2E PU 80/PD 820E ECT PU 2.2E	+21/2028 +21/2028 +21/2028
097_C1 097_C2 097_C3 097_C4 097_C5 097_C5 097_C7	NATIVE OPO NATIVE NATIVE OPO NATIVE OPO OPO OPO	SMB_DATA	EXT	ECT PU 2.2E ECT PU 2.2E PU 80/PD 820E ECT PU 2.2E	+21/2028 +21/2028 +21/2028
orr_cl	MATIVE OPO MATIVE MATIVE OPO MATIVE OPO MATIVE OPO OPO OPO	SMB_DATA	EXT	ECT PU 2.2E ECT PU 2.2E PU 80/PD 820E ECT PU 2.2E	+21/2028 +21/2028 +21/2028
orr_cl	Marive  GPO  Marive  GPO  Marive  GPO  Marive  GPO  GPO  GPO  GPO	396.0_CK (NC) 396.0_CK (NC) 396.0_SATA (NC) 596.1_CK (NC) 396.1_CK (NC) 396.1_GKTA (NC)	EXT	EXT 90 2.2K EXT 90 2.2K FG (0/90 620K EXT 90 2.2K EXT 90 2.2K	+392023 +392023 +392020 +392023 +392023
ory cl ory cl	Mative OPO Native OPO Native OPO Native OPO OPO OPO OPO OPO	30% DATA  SMILO_DATA DW13  SMILO_DATA DW13  SMILO_CK DKC)  SMILI_DATA (NC)  DD06_SMILO  DD06_SMILO	EXT	EXT PU 2.2E  EXT PU 2.2E  FOR PU 2.2E  FOR PU 2.2E  EXT PU 2.2E  EXT PU 2.2E	+3V3028 +3V3028 +2V30, 1189 +2V3028 +2V3028 +2V3028
## C1 ## C2 ## C3 ## C4 ## C4 ## C5 ## C5 ## C5 ## C1 ## C11 ## C11	040288 0400 0400 040288 040288 0400 0400 0400 0400 0400 0400	SDES DATA  SDELC OF (NC)  SDELC DATA (NC)  SDEP CS  SDELL_DATA (NC)  SDELL_DATA (NC)  DIDNE_SBELD  DIDNE_SBELD	DOT .	EXT PU 2.1E EXT PU 2.1E EXT PU 2.1E EXT PU 2.2E EXT PU 2.2E EXT PU/PU 10E EXT PU/PU 10E	+21/2028 +21/2028 +21/2028 +21/2028 +21/2028 +21/2028 +21/2028
err cl err cl	Mative OPO OPO OPO OPO OPO OPO OPO OPO OPO OP	30% DATA  SMILO_DATA DW13  SMILO_DATA DW13  SMILO_CK DKC)  SMILI_DATA (NC)  DD06_SMILO  DD06_SMILO	DOT .	EXT PU 2.2E  EXT PU 2.2E  FOR PU 2.2E  FOR PU 2.2E  EXT PU 2.2E  EXT PU 2.2E	+3V3028 +3V3028 +2V30, 1189 +2V3028 +2V3028 +2V3028
### C1 #### C2 ##### C3 ##############################	97128E 0R0 0R0 97128E 0R0 0R0 0R0 0R0 0R0 0R0 0R0 0R	SDES DATA  SDELC OF (NC)  SDELC DATA (NC)  SDEP CS  SDELL_DATA (NC)  SDELL_DATA (NC)  DIDNE_SBELD  DIDNE_SBELD	ECT	EXT PU 2.1E EXT PU 2.1E EXT PU 2.1E EXT PU 2.2E EXT PU 2.2E EXT PU/PU 10E EXT PU/PU 10E	+21/2028 +21/2028 +21/2028 +21/2028 +21/2028 +21/2028 +21/2028
GPP_CLI GPP_CL	Mative OPO OPO OPO OPI OPI OPO OPO OPO OPO OPO	SDES DATA  SDELC OF (NC)  SDELC DATA (NC)  SDEP CS  SDELL_DATA (NC)  SDELL_DATA (NC)  DIDNE_SBELD  DIDNE_SBELD	ECT .	EXT PU 2.1E EXT PU 2.1E EXT PU 2.1E EXT PU 2.2E EXT PU 2.2E EXT PU/PU 10E EXT PU/PU 10E	+21/2028 +21/2028 +21/2028 +21/2028 +21/2028 +21/2028 +21/2028
GPP_CLI GPP_CL	Mative OPO OPO OPO OPO OPO OPO OPO OPO OPO OP	SDES DATA  SDELC OF (NC)  SDELC DATA (NC)  SDEP CS  SDELL_DATA (NC)  SDELL_DATA (NC)  DIDNE_SBELD  DIDNE_SBELD	DOT .	EXT PU 2.1E EXT PU 2.1E EXT PU 2.1E EXT PU 2.2E EXT PU 2.2E EXT PU/PU 10E EXT PU/PU 10E	+21/2028 +21/2028 +21/2028 +21/2028 +21/2028 +21/2028 +21/2028
orr cl	MATING ORD ORD MATING MATING ORD	IND_DATA  INDLE CATA CHT  INDL	700	EXT FO 2.12K EXT FO/FD 15K EXT FO/FD 15K EXT FO/FD 15K	+ 2 value
### C1 #### C2 #### C3 ##### C3 ##### C3 ##### C3 ##########	Mative OPO OPO OPO OPI OPI OPO OPO OPO OPO OPO	1800_1855.  1804_05 (RC)  1804_05 (RC)  1804_05 (RC)  1804_15 (RC)  1804	EXT	EXT FO 2.12K EXT FO/FD 15K EXT FO/FD 15K EXT FO/FD 15K	+21/2028 +21/2028 +21/2028 +21/2028 +21/2028 +21/2028 +21/2028
### C1 #### C2 #### C3 ##### C3 ##### C3 ##### C3 ##########	NACION OPD  NATION OPD  NACION OPD  NACION OPD  NACION OPD  OPD  OPD  OPD  OPD  OPD  OPD  OPD	1800_1855.  1804_1855 (RC)  1805_1855 (RC)	107	EXT FO 1.1%  EXT FO 1.1%  EXT FO 1.1%  EXT FO 1.2%  EXT FO 4.1%  EXT FO 4.7%	+ 2 value
### CI ### CI #### CI #### CI #### CI #### CI #### CI #### CI ##### CI ##### CI ##########	NACIVO NACIVO NACIVO NACIVO NACIVO NACIVO NACIVO NACIVO OPO OPO OPO OPO OPI OPI OPI OPO OPO OP	1800_1855.  1804_1855 (RC)  1805_1855 (RC)	ECT	EXT FO 1.1%  EXT FO 1.1%  EXT FO 1.1%  EXT FO 1.2%  EXT FO 4.1%  EXT FO 4.7%	+ 2 value
### CI ### CI #### CI #### CI #### CI #### CI #### CI #### CI ##### CI ##### CI ##########	001282 000 001282 001282 001282 001282 001282 000 000 000 000 100 000 000 000 000 00	100, 0015   1001	EXT	EXT FO 1.18 EXT FO/FD 168	+ 2 value
### CI ### CI #### CI #### CI #### CI #### CI #### CI #### CI ##### CI ##### CI ##########	901242 901243 901243 901243 901243 901243 901243 901243 100 100 100 100 100 100 100 100 100 10	1800_1855.  1804_1855 (RC)  1805_1855 (RC)	EXT	EXT FO 1.1%  EXT FO 1.1%  EXT FO 1.1%  EXT FO 1.2%  EXT FO 4.1%  EXT FO 4.7%	*299000 *29900
## GI	001242 001243 001243 001243 001243 00224 0	100, 0015   1001	EXT	EXT FO 1.18 EXT FO/FD 168	*299000 *29900
97 G1	01122 001122 001122 001122 001122 001122 00122 00122 00122 0012 00	100, 0015   1001	KIT	EXT FO 1.18 EXT FO/FD 168	*299000 *29900
99' 61 99' 62 99' 63 99' 63	011282 001282	100, 0015   1001	U V	EXT FO 1.3E EXT FO/FD 1SE	*299000 *29900
## CI	071222 07122 07122 07122 0712 071	100, 0015   1001	KIT	EXT FO 1.3E EXT FO/FD 1SE	*299000 *29900
99° CI 90° CI 90	911242 90	100, 0015   1001	N V	EXT FO 1.3E EXT FO/FD 1SE	*299000 *29900
99° CI 90° CI 90	911242 90	100, 0015   1001	147	EXT FO 1.3E EXT FO/FD 1SE	*299000 *29900
99 pt 51 99 pt 52 99 pt 52 99 pt 53 99 pt 54 90	911242 90	100, 0015   1001	Ext	EXT FO 1.3E EXT FO/FD 1SE	*299000 *29900
99 p. Cl. 90 p.	911242 90	100, 0015   1001	147	EXT FO 1.3E EXT FO/FD 1SE	*299000 *29900
99° CI 99	071222 07122 07122 07122 0712 071	100, 0015   1001	EST	EXT FO 1.3E EXT FO/FD 1SE	*299000 *29900
99* CI 99	### 1985   ### 1985	100, 0015   1001	EXT	SET FOLKS  GET FOLKS	- 200000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000
99* CI 99	913.00  ORD 913.00	100, 100 T	527	THE PER LINE  AND PER LINE  AN	-27933 -27933 -27933 -27933 -27933 -27933 -27933 -27933 -27933 -27933 -27933 -27933 -27933 -27933
99* CI 99	913.00  ORD 913.00	100, 100 T	527	THE PER LINE  AND PER LINE  AN	-27933 -27933 -27933 -27933 -27933 -27933 -27933 -27933 -27933 -27933 -27933 -27933 -27933 -27933
987 C1 98	921242 92	THE ACT OF	527 527 527 527	SET FOLKS  GET FOLKS	- 200000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000 - 2700000
### 60 ### 61 ### 62 #### 62 ### 62 ### 62 ### 62 ### 62 #### 62 ### 62 ### 62 ### 62 ### 62 ### 62 ### 62 ### 62 ### 62 ### 62 ### 62 ### 62 ### 62 #### 62 ### 62 ### 62 ### 62 ### 62 ### 62 ### 62 ### 62 ### 62 #### 62 ### 62 ### 62 ### 62 ### 62 ### 62 ### 62 ### 62 ### 62 #### 62 #### 62 #### 62 #### 62 #### 62 #### 62 #### 62 ########	2012.00 200 200 200 200 200 200 200 200 200	THE ACT OF	527	THE PERSON OF TH	-27003 -27013
987 C1 98	921242 92	100, 100 T	527	STATE OF THE STATE	-27933 -2
987 C1 98	2012.00 200 200 200 200 200 200 200 200 200	100, 100 T	527	STATE OF THE STATE	-27020 -270200 -2702000 -2702000 -2702000 -2702000 -27020000 -27020000 -27020000 -270200000 -27020000000000
00F_C  1	2012.00 200 200 200 200 200 200 200 200 200	THE ACT OF	527	THE PERSON OF TH	-27933 -2
00F_01   0	12.12.00  10.00	100, 100 T	527	STATE OF THE STATE	-27020 -270200 -2702000 -2702000 -2702000 -2702000 -27020000 -27020000 -27020000 -270200000 -27020000000000
907_61 907_61	50515W   5050	100 (100 ) 100 (100 )	527	STATE OF THE STATE	-27020 -270200 -2702000 -2702000 -2702000 -2702000 -27020000 -27020000 -27020000 -270200000 -27020000000000
907_61 907_61	50515W   5050	100 (100 ) 100 (100 )	527	STATE OF THE STATE	-27020 -270200 -2702000 -2702000 -2702000 -2702000 -27020000 -27020000 -27020000 -270200000 -27020000000000
00F_01	2012.00 200 200 200 200 200 200 200 200 200	100, 100 (101) 101, 101 (101) 101, 1	527	STATE OF THE STATE	-27020 -270200 -2702000 -2702000 -2702000 -2702000 -27020000 -27020000 -27020000 -270200000 -27020000000000
907_61 907_61	2012/00 200 200 200 200 200 200 200 200 200	THE ADDRESS OF THE AD	527	STATE OF THE STATE	-27020 -270200 -2702000 -2702000 -2702000 -2702000 -27020000 -27020000 -27020000 -270200000 -27020000000000
00F_01 00	2012/00 200 200 200 200 200 200 200 200 200	100 (100 ) 100 (100 )	527	STATE OF THE STATE	-27020 -270200 -2702000 -2702000 -2702000 -2702000 -27020000 -27020000 -27020000 -270200000 -27020000000000
007_01 00	2011/00   2010	THE ADDRESS OF THE AD	527	STATE OF THE STATE	-27020 -270200 -2702000 -2702000 -2702000 -2702000 -27020000 -27020000 -27020000 -270200000 -27020000000000
007_01 00	901100 902 902 903 904 904 905 905 905 905 905 905 905 905	THE ADDRESS OF THE AD	527	STATE OF THE STATE	-27020 -270200 -2702000 -2702000 -2702000 -2702000 -27020000 -27020000 -27020000 -270200000 -27020000000000
007_01 007_01	March   Marc	THE ADDRESS OF THE AD	527	STATE OF THE STATE	-27020 -270200 -2702000 -2702000 -2702000 -2702000 -27020000 -27020000 -27020000 -270200000 -27020000000000
007_01 00	901100 902 902 903 904 904 905 905 905 905 905 905 905 905	THE ADDRESS OF THE AD	527	STATE OF THE STATE	-27020 -270200 -2702000 -2702000 -2702000 -2702000 -27020000 -27020000 -27020000 -270200000 -27020000000000

1971   1970	DON_THEN GREG	Tee As	Rignal Name	Power on Default States	Pull up / down	Power
97 20	199 81	080	animiro			
1972   1972	097_E1	ano ano			man on Alde	- 200000
West   Column			ASAIA APLIA SKIT		AAT PU GIVE	7,57,810.0
Column	099_E1					
Column	099_E4	010				
Column	GPP_E5					
1972   1972	099_86	MATTYE	SATA2_DEVELP			
19   19   19   19   19   19   19   19	099_E7	010				
19   19   19   19   19   19   19   19	599 ES	090				
March   Marc	69 89	NATIVE	USB OC 1 2#		ERT PO 2.2E	+39303
99 20	GPP E10	NATIVE	USB OC 2 4#		EXT 90 2.26	+39303
97 20	599 811	MATTUR	1188 OC 5 64	_	Part 40 3 34	432200
Company	099 812		nee no 2 04			
1972   1972	een et2		0.12 0.0 7 89	200 DO 0	And Park Loan	- 200
1972   1972	000 ELS	2011116	DF APP FLA	AAL PU S	DECEMBER OF THE	
1972   1972		SATIVE	NINI_RP		EXT FU IR	+3V3
1972   1972	GPF_KL5		KET_BRI#		KRT PU LUE	+2V2
197   197	099_E16	OPI	EXT_SCI#		ERT PO 10K	+292
10   10   10   10   10   10   10   10	G99_E17		eDP_HPD_FCH		EXT PD 100K	
10   10   10   10   10   10   10   10			DDPR_SCL_PCK			
10   10   10   10   10   10   10   10	099_E19	SATIVE	DDPS SDA PCH		ERT PO 2.2K	+373
March   Marc	099_E20	SATIVE	DEPC SCL PCH		ERT PO 2.2K	+393
10   10   10   10   10   10   10   10	099 E21	SATIVE	DDPC SDA PCH		ERT 90 2.2K	+393
97.71	099 E22	010				
97.71	099 E23	030				
1971   1972	099 90	090			<b>-</b>	
10   10   10   10   10   10   10   10	099 Fl	010	t		_	_
10   10   10   10   10   10   10   10		010				
1972   1972	-07 74	000	-			
1975   1976			l			
1972   1973   1975						
1977   1978						+1.8V308
99 27	099_96	MATTYE			ERT PO 20K	+1.99000
97 1			CNV_RSI_RSP		EXT PO \$21K	+1.89900
97 1	099_93	010				
97 2 1	029 29	690				
10   10   10   10   10   10   10   10	GPP F10	030	1			
1977   1978   1979	099 F11		1	<b>-</b>		
1972   1972	199 912	080				
1972   1972	199 813					
19   19   19   19   19   19   19   19		010				
97 21	UPP_P14					
10   10   10   10   10   10   10   10	GPP_F15					
1972   1972	035 kT#					
1	099_917	010				
1	099_918	010				
10   10   10   10   10   10   10   10	099_919	010				
10   10   10   10   10   10   10   10		010				
1		030				
1	599 F22					
1						
1	099_F23	SATIVE	AGEP PRO ENT		ERT PD 758	-
	099_923	SATIVE	AGEP PRO ENT			7
97 24	099_923 099_00 - 499_01	SATIVE SPO SPO	AND PRODUCTION	6		Y
97 24 92 92 92 92 92 92 92 92 92 92 92 92 92	099_923 099_00 - 099_01	0P0 0P0	AND PRODUCTION	6		ľ
10	099_923 099_00 - 099_01	0P0 0P0	AND PRODUCTION	6		I
97 (1) 500 (1)	099_923 099_00 - 499_01	0P0 0P0	AND PRODUCTION	6		Ľ
97 (1) 500 (1)	099_923 099_00 - 499_01	0P0 0P0	AND PRODUCTION	6		Ľ
100   100	097_923 097_00 097_01 097_02 097_03 097_04	69°0 69°0 69°0 69°0	AND PRODUCTION	6		ľ
100   100	099_923 099_00 099_01 099_02 099_03 099_04 099_05	69°0 69°0 69°0 69°0	AND PRODUCTION	90		I
100   100	099_923 099_00 099_01 099_02 099_03 099_04 099_05	040 040 040 040 040 040 040	ASSE PAR DOT	6		
100   100	099_923 099_00 099_01 099_02 099_03 099_04 099_05	GPO	ASSE FOR THAT	6	EXT PT 9.2E	+2VA DBM
100   100	977 722 977 93 977 91 977 92 977 92 977 94 977 95 977 96 977 97 979 97 979 97	GPO GPO GPO GPO GPO GPO GPO GPO Mative Mative	ASSE FOR THAT	7	KET PF 9.2K	+3/A DBR +3/A DBR
100   100	977 722 977 93 977 91 977 92 977 92 977 94 977 95 977 96 977 97 979 97 979 97	GPO GPO GPO GPO GPO GPO GPO GPO GPO Mative Mative	ASSE FOR THAT	6	KET PF 9.2K	+3/A DBR +3/A DBR
1985   1985	977 722 977 93 977 91 977 92 977 92 977 94 977 95 977 96 977 97 979 97 979 97	OPC	PRI BATLON AND  PRI BATLON AND  RE AC PRESENT FOR  PRI GROSP (MC)  PRI GROSP (MC)	76	EXT PT 8.2K EXT PT 105K EXT PT 105K	+3/A DBR +3/A DBR
100   100	977 722 977 93 977 91 977 92 977 92 977 94 977 95 977 96 977 97 979 97 979 97	OPC	PRI BATLON AND  PRI BATLON AND  RE AC PRESENT FOR  PRI GROSP (MC)  PRI GROSP (MC)	6	EXT PO 8.3K EXT PO 100K EXT PO 100K	+3/A DBR +3/A DBR
100   100	977_93 977_93 977_93 977_93 977_94 977_94 977_95 977_95 979_95	OPC	PREMATER AT  PREMATER AT  PREMATER AT  MA. AN PREMATE FOR  PREMATER AT  PREMATER AT		EXT PO 8.3K EXT PO 100K EXT PO 100K	+3/A DBR +3/A DBR
100   100	977_93 977_93 977_93 977_93 977_94 977_94 977_95 977_95 979_95	OPC  OPC  OPC  OPC  OPC  OPC  OPC  Native  Native  Native  Native  Native  Native  Native  Native	THE BASILITY AND THE BA		EXT PO 9.3K EXT PO 100K EXT PO 100K EXT PO 100K	+27A_DBM +27A_DBM +27A_DBM
100   100	977_93 977_93 977_93 977_93 977_93 977_93 977_93 977_93 979_93	OPC  OPC  OPC  OPC  OPC  OPC  OPC  Native  Native  Native  Native  Native  Native  Native  Native	PRE-NATION AND PRE-NA		EXT PO 9.3K EXT PO 100K EXT PO 100K EXT PO 100K	+27A_DBM +27A_DBM +27A_DBM
	977_93 977_93 977_93 977_93 977_93 977_93 977_93 977_93 979_93	OPC  OPC  OPC  OPC  OPC  OPC  OPC  Native  Native  Native  Native  Native  Native  Native  Native	PRE-NATION AND PRE-NA		EXT PO 9.3K EXT PO 100K EXT PO 100K EXT PO 100K	+27A_DBM +27A_DBM +27A_DBM
	699_923 499_93 499_93 399_93 699_93 699_93 699_93 699_93 6993 6993 6993 6993 6993 6993 6993 6993 6993 6993 6993 6993 6993 6994 6995 6995 6995	OPC  OPC  OPC  OPC  OPC  OPC  OPC  OPC	200, 200, 200 (200, 200, 200, 200, 200,		EXT PO 9.3K EXT PO 100K EXT PO 100K EXT PO 100K	+27A_DBM +27A_DBM +27A_DBM
17   17   17   17   17   17   17   17	699, 923 699, 63 699, 63 699, 63 699, 63 699, 65 699, 699, 65 699, 6	OPC  OPC  OPC  OPC  OPC  OPC  OPC  OPC	200, 200, 200 (200, 200, 200, 200, 200,		EXT PO 9.3K EXT PO 100K EXT PO 100K EXT PO 100K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
	699, \$23 999, 63 999, 63 999, 63 999, 63 999, 65 999, 65 999, 66 999, 6993 9993 9993 9994 9995 9995 9995 9995 9995	OPC  OPC  OPC  OPC  OPC  OPC  NATIVE  NATIVE  OPC  NATIVE  OPC  NATIVE  OPC  NATIVE  OPC  NATIVE  OPC  OPC  OPC  OPC  OPC  OPC  OPC  OP	ONE AND THE STATE OF THE STATE		ERT PG S.JK KET PG S.JK KET PG LOR	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
97 27	699, 923 699, 93 699, 93 699, 93 699, 93 699, 95 699, 95 699, 95 699, 95 699, 95 699, 95 699, 95 699, 95 699, 95 699, 999, 999, 999, 999, 999, 999, 999,	OPC  OPC  OPC  OPC  OPC  OPC  NATIVE  NATIVE  OPC  NATIVE  OPC  NATIVE  OPC  NATIVE  OPC  NATIVE  OPC  OPC  OPC  OPC  OPC  OPC  OPC  OP	ONE AND THE STATE OF THE STATE		ERT PG S.JK KET PG S.JK KET PG LOR	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
10   10   10   10   10   10   10   10	699, 923 699, 93 699, 93 699, 93 699, 93 699, 95 699, 95 699, 95 699, 95 699, 95 699, 95 699, 95 699, 95 699, 95 699, 999, 999, 999, 999, 999, 999, 999,	GPO GPO GPO GPO GPO GPO GPO GPO GPO SMITTVE MATTYE	AND MANUAL PROPERTY OF THE PRO	) C	EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
97 24 9019 72 2022 202 10 10 10 10 10 10 10 10 10 10 10 10 10	999_923 999_93 999_93 999_93 999_93 999_93 999_93 999_93 999_93 9993	GRO	THE MATERIAL PARTY AND ADMINISTRATION OF THE PARTY ADM		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
97 2	See 123   See 12	GRO	THE MATERIAL PARTY AND ADMINISTRATION OF THE PARTY ADM		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
202   202	see_232 see_232 see_34	GRO GRO GRO GRO GRO GRO GRO GRO GRO SALIVE SALIVE SALIVE GRO SALIVE SALIVE SALIVE GRO SALIVE GRO SALIVE GRO SALIVE GRO SALIVE SALIVE GRO SALIVE GRO SALIVE SALIVE GRO SALIVE SALIVE GRO SALIVE SALIVE GRO SALIVE	MANUFACTURE OF THE STATE OF THE		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
202   202	999 1231 999 123 999 1	GRO	THE SALES OF THE S		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
97 2	999 (23) 999 (23) 999 (24) 999	GRS	THE SALES OF THE S		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
97 (2) 98 (2) 10 (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	Sep   232	GRS	MANUFACTOR AND		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
97 (2) 98 (2) 10 (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	999 (23) 999 (23) 999 (24) 999 (24) 999 (24) 999 (24) 999 (24) 999 (24) 999 (24) 999 (24) 999 (25) 999	GRO	MANUFACTOR AND		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Sep_231 Sep_241 Sep_44	GRS	MANUFACTOR AND		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Sep_C3	GRO	MANUFACTOR AND		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
00 00 00 00 00 00 00 00 00 00 00 00 00	Sep_C3	GRO	MANUFACTOR AND		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
197 (2) 198 (2) 198 (2) 199 (3) 199 (4	809 (23) 809 (34) 809	980 980 980 980 980 980 980 980 980 980	MANUFACTOR AND		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
97 9.1 999 97 97 97 97 97 97 97 97 97 97 97 97 97 9	Sep_C3	000 000 000 000 000 000 000 000 000 00	MANUFACTOR AND		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
17	809 (23) 809 (34) 809	980 980 980 980 980 980 980 980 980 980	MANUFACTOR AND		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
109   157   000	99 (2) 99	000   000	MANUFACTOR AND		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
109   157   000	99 (2) 99	000   000	MANUFACTOR AND		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
597_613   364119   CFG_GG_SATS	99 (2) 99	000   000	MANUFACTOR AND		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
1974_13	997 61 997 61	000   000	MANUFACTOR AND		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
977_000 010 907_011 mative 0170_021	Sept.   Sept	000   000	AMERICAN AND AND AND AND AND AND AND AND AND A		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
099_M21 Native 099C_M21 RET_90 4.7K +2V2KS 099_M22 090	100   100	000   000	AMERICAN AND AND AND AND AND AND AND AND AND A		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
099_R22	697, 61  697, 61	GRE	AMERICAN AND AND AND AND AND AND AND AND AND A		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
099_R22	100   100	GRE	AMERICAN AND AND AND AND AND AND AND AND AND A		EXT FO 0.2K EXT FO 1.0K	+27A_DEM +27A_DEM +27A_DEM +27A_DEM
	207 (2) 207 (2	000   000	Management of the Control of the Con		000 FF 1-1-0 000 FF 1-1-0 00	- 2004_ GMW
1/4444	207 (2) 207 (2	000   000	Management of the Control of the Con		000 FF 1-1-0 000 FF 1-1-0 00	-707_000 -707_000 -707_000 -707_000 -707_000 -707_000
	197   197	GRE	MARCON DE LE CONTROL DE LE CON		100 PT 10	-707_000 -707_000 -707_000 -707_000 -707_000 -707_000
	197   197	GRE	MARCON CO. 100		100 PT 10	-707_000 -707_000 -707_000 -707_000 -707_000 -707_000
	997 92 92 92 92 92 92 92 92 92 92 92 92 92	GRE	MARCON CO. 100		100 PT 10	-707_000 -707_000 -707_000 -707_000 -707_000 -707_000
	997 92 92 92 92 92 92 92 92 92 92 92 92 92	GRE	MARCON CO. 100		100 PT 10	-707_000 -707_000 -707_000 -707_000 -707_000 -707_000

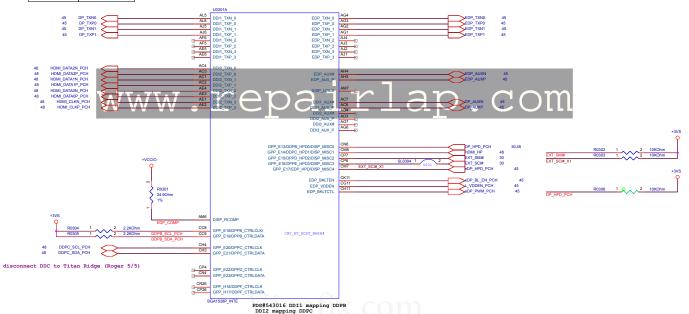
Pin Name	Config	Signal Name	Default	00	Ext Pull up / down	Power	EC Mart	ser (SMBD)	SM-Bus Address
099.0	0	PWR LED	LOW	20	ERF 50K F5 (9)	-		SKY (SMIRES) IC 11 SN2967	3M-EUL A03/444
0981	0	CHS LED#	HIGH	00		$\neg$		II SEEDY	101
099.2	0	CHO FULL LED#	RIGR	00				or (SMR1)	SM-Bus Address
093.2	Alt	FASC_FRM	LOW	22			NVSDGA		90
0984 0985	877	FAIG PRE	LON	29			NVOTON	nct7717	90h
	Alt		LOW	20	_	_	UP1905		76h 74h
09A6 09A7	Alt	KB LKD PMM	LOW	99	EAT 20K FO (R)		EC Made	ter (SMB1)	SM-Bus Address
099.0	877	AC IN OC#	1.09	22	ENT 100F NO		SHARA	пр тизальян	995 905
0991	i	AC IN OCT	LOW	20	ERT 100K PO	+312	PCH Ma	etw.	-
0992		OP BL EX	LOW	22	EUT 201 70 (ft)			ster (SMB0)	SM-Bus Address
099.3	Alt	PRR 207	LOW	20	ENT 100K PO	+310.	_		
0994		F3 C8 EC	HIGH	22		-	-		
0995	1	N/A	LOW	22		-	РСН Ма	ster (SMB1)	SM-Bus Address
0996	0	NC INF	LOW	00	ENT 10X FG	+306			+
0PC0	0	TP Disable#	LOW	20					
OPC1	Alt	SMAL CLK	LOW	0.0	ERT 4.79 NO	+319, 81	PCI Expr		SATA Port
09C2	Alt	TAG DRMS	LOW	00	EST 4.79 NO	+319_81	PCIExpr	ess	SATA Port
09C2	0	PE PERSON	LOW	22			PCES	0054	100.0
09C4		PK 5038#	LOW	29	ENT 100K PO		PCE 7	1-~	MAN 2 MAD
0905		PK SUSC#	LOW	22	ENT 100F 70		PORT	-1	100.1 AND
0906	Alt	BATL IN OCF	LOW	00	ERT 10K 90	$\perp$	PCES	Card Reader	
09C7	Alt	3982_CLK	LOW	22	EKT 4.7K PG (8/903_KB)	+912_80	PCE 10	WCAN	1
0900		CPU_C10_GATR#	LOW	22			PCB 13		1
0901	٥	ME AC PRESENT	LOW	20	ERT 100K PO ERT 100K PO	+772_DEW	PCE 14	1	1
0902	Alt	NUF_FLT_RUT#	LOW	22	ERT 100K PO ERT 10K PO	1200	PCE 18	330 s4	1
0903	0	EXT SCIP	LOW	00	BT 100 PO	1999	PCE 16	-	
0904	0	DE SOA	LOW	99	ENT 100 PG	+398	IISB 3.0		118820
	Alt		109		BIT 100K PG	1775		USE 3.0 Type A (MR)	
0924	Alt	FAMI_TACK		22		+201	USB 1	USB 18 Type A (NB)	
0907	O ALE	FREZ_TACH SUSH ECF	LOW	22	ENT 100 PO ENT 100 PO	+275	USB 2	USB 35 Type C (NB)	USB 2 USB 3.0 Type A (MB)
			LOW	22	BH 100 FO		USB 4	USB 3.6 Type C (MR)	USE 1
0981		SUSC_ECF	LOW		M1 100 70	_	USB 4	con 24 (flac les)	USB 4 Camera
0992		Summa nee	109	20	ERF 10E FO 18E FO	1710.00			USE 6 USE 3.5 Type C (ME)
09924	ů	VESS ON	LOW	20	ENT 100K PO	1719, BC			USB 7
0985		PUNCOU ON	1.09	20	BIT 100K PG	1779-80			USE I
OPES	0	N/A	LOW	20					USE S ST
0987		THEO CHUF	HIGH	00	B2 18 90	occurs.			USE 10
0990		CAP LED#	HIGH	00	ENT 100K PG	+306			
OFF1	1	N/A	1.09	22		+-	Device to	dentification	
0772	Alt	P SHOULD CLK	509	- 00	543-4-78-90	***	CFU There	nal Isoner	
0992	Alt	P SHOULD DAT	LON	00	EXT 4.7K 90	+310, 80	24		
0994	1	DF RFD#	Low	99			_		
0995	0	FN LEDF	RIGR	00	ENT 10K 90	+306	Memory Ti		
0996	Alt	PECI EC	Low	99			w	00010000000	NCT7717U
0997	PAlt	BMG DAT	LOW	22	BER 8,007 12 (C798 BM)	77 - 78EE	344		
0900	0	DIPU LIKED	LOW	222					-
0901	J	N/A	LOW	22					
0902	8	H/A	LOW	22	WE SHE SO	10 - 30			
0906	ĺ	TCTHE_MOSE	LOW	3	1 2 1112 Pr	102-1	_		
0990	Alt	NK CTKKIZA	LOW	29	ENT 100 90	*776			
09W1	ATT	3993 CLX	LOW	20		1772.80			
0992	Alt	2992_DAT	LOW	29	BS 4.76 PO	+312_00			
0992		PK KOKST#	LOW	20	ERT 100 FO	$\perp$	ļ.		
02W4	0	DPMKOK_RC	LOW	29		$\perp$			
0995	0	PH_PHRCK	LOW	29	ENT 100K PO	$\perp$			
0986	0	PRESYSPERCE	LOW	22	ENT 90 108	$\perp$			
			LOW	29	BIT 100K 10	-			
0910 0911	1	PH SLP SUS# 20003 PHND	LOW	99	BT 100 FG	+22826			
0911	+	ALL SISTEM PERSO	LOW	20	BIT 100 PG	177000			
0912	1	ALL SISTEM PERSO INVPS PERSO	LOW	20	BIT 100 PC	+216 +216			
0914	-	SAY DIN MAKID	LON	99	ERT 100K PO	1710, DEW			
0915	+:-	N/A DER PRED	LOW	20			ł		
0916	677	A/n May sneeps	109	10	ENT 100K PG	+319.00			
0915	Alt	MR MAX PORCE	LOW	22	ENT 100h PS//WS.16 PG	+910.00			
0930	0	DOPU RATE EC	LOW	20	ENT 100K PG	_	ł		
0931	1	OCS PR RN 3.3	LOW	20	+	+			
	0	PCH SPI OV	RIGH	22	<del>                                     </del>	+			
09/22	-	LED RET	LON	22	ENT 100K PO	+306			
					ENT LOC 90	+22000			
	0	DOPU PER ENF EC	1.09	00					
0932 0933	0	DOPO_PHR_ENF_EC	LOW	00	EXT LOC 90 (\$/002) (88)	+31616			
0932 0933 0934						+228			

#### Display Port

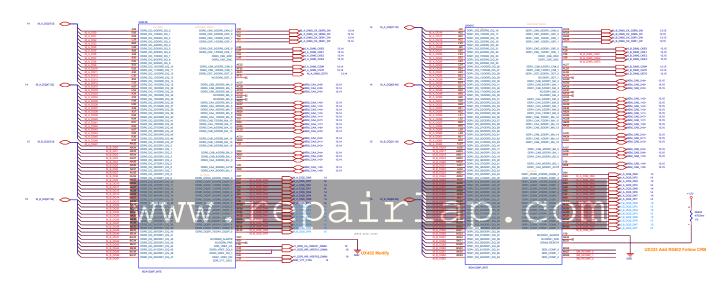
A	EDP, First Panel
В	DP, Second Panel
С	HDMI

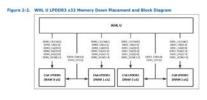
Intel Version	ASUS P/N
ES-0	01001-01540000

	HDMI
DDI_0	Lane2
DDI_1	Lane1
DDI_2	Lane0
DDI_3	CLK



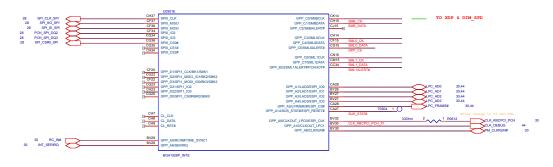
### LPDDR3 Non-Interleaved



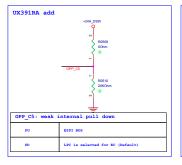


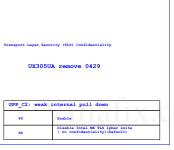
BCOMP[0]	M	SUMS	995	5	12-15	20	25	500	500	200
RCOMP[1]	H	SL/HS	955	.5	12-15	20	25	500	500	90,6
UCOMP[2]	16	SUMS.	V95	5	12-15	26	25	500	500	162

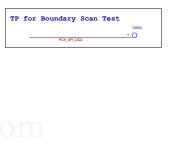


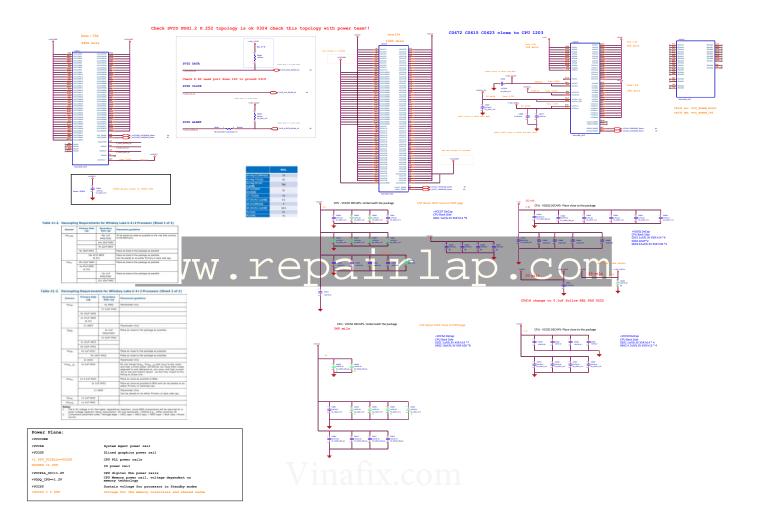


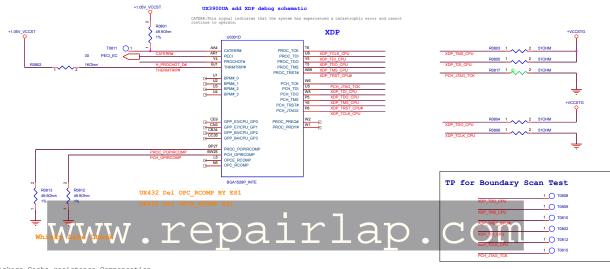






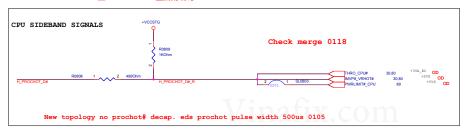


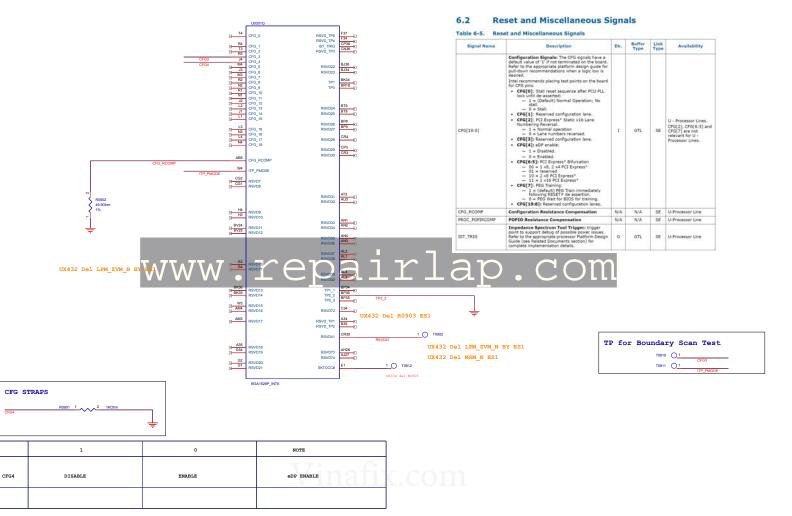


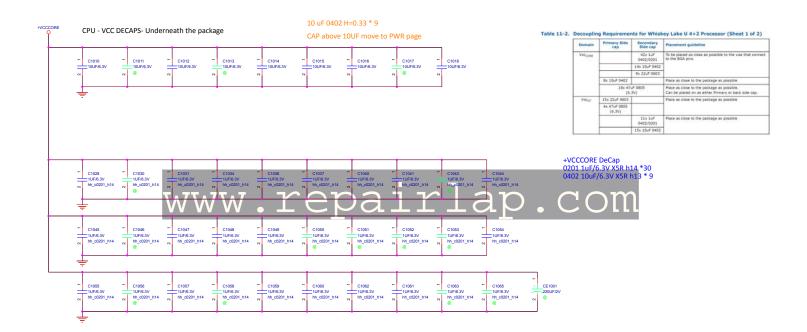


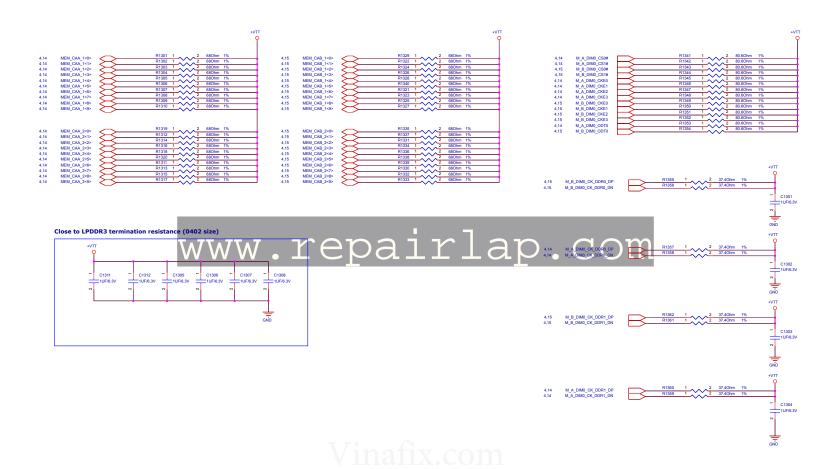
On Package Cache resistance Compensation from processor: Refer to the appropriate platform design guide for implementation details and values. Unconnected for Processors without OPC.

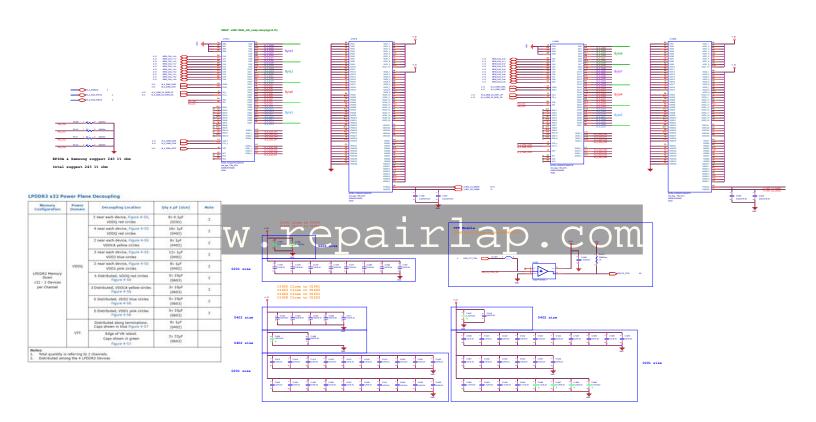
#### No OPC Check remove 且R0811 R0810量測兩端為0V 0126



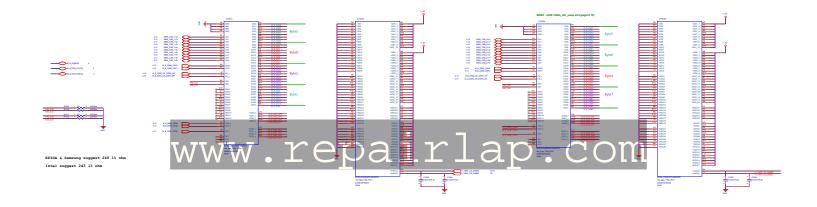


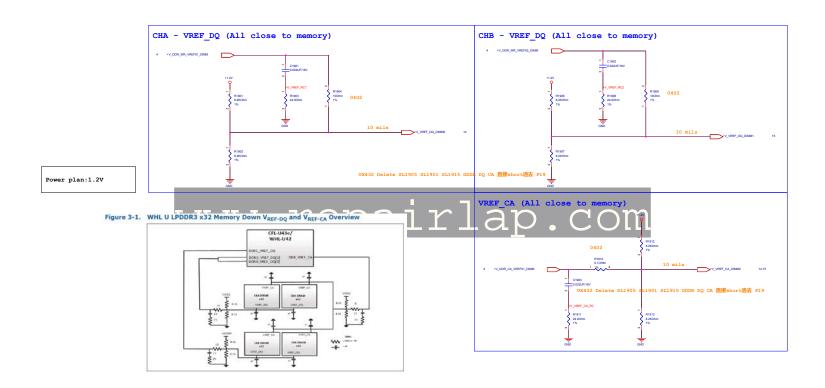




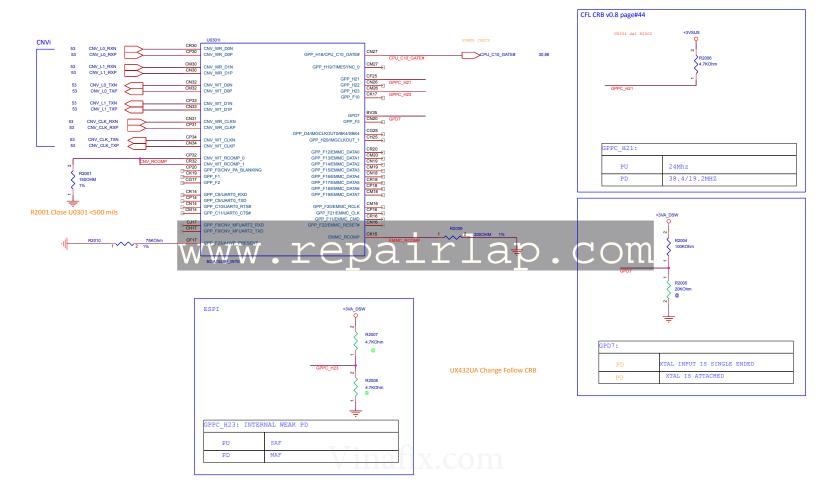


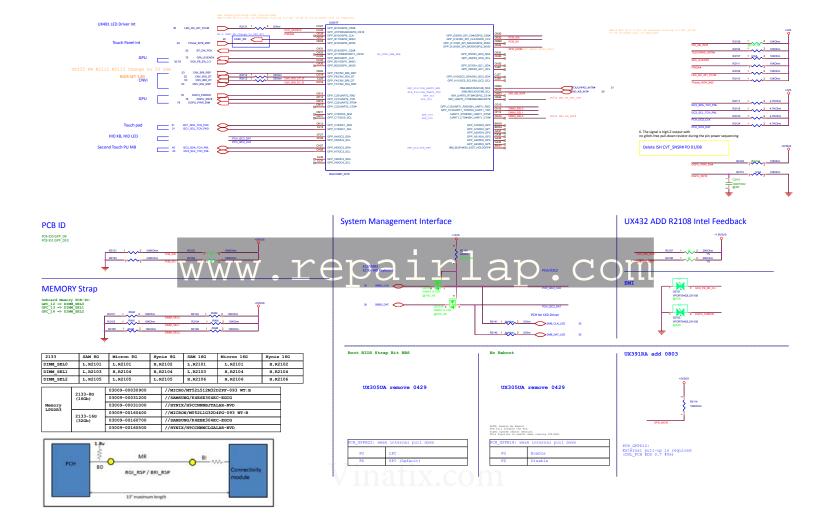
Vinafix.com

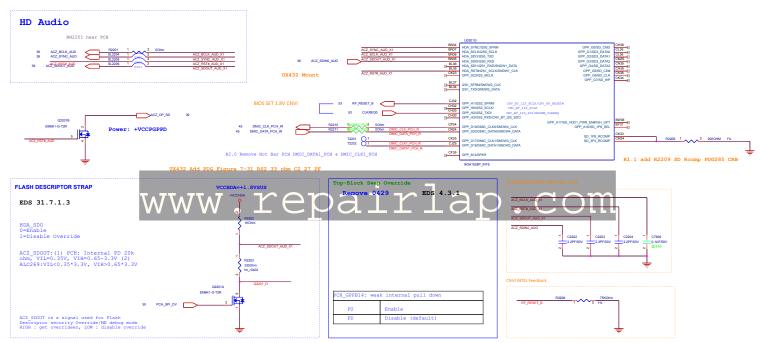




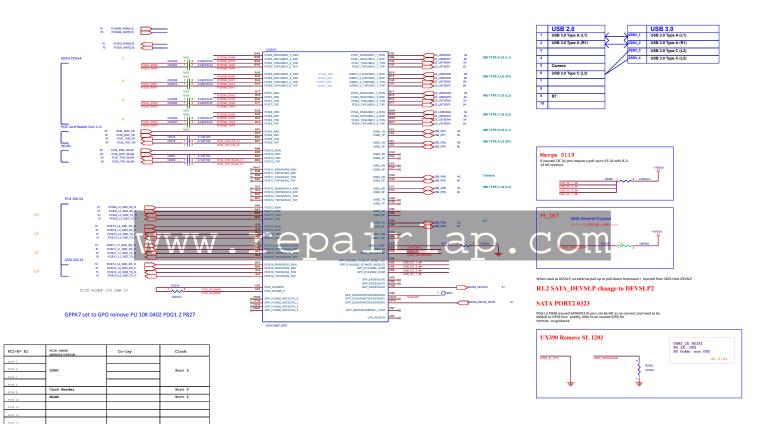
Vinafix.com







Intel: To enable Flash Descriptor Security Override, this signal should be pulled up to VCCHDA through a 1  $K\Omega$  to 2.2  $K\Omega$  ±5% resistor.

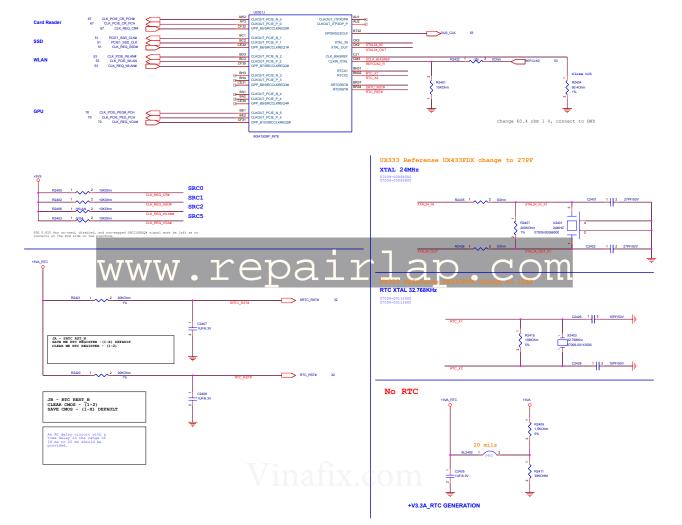


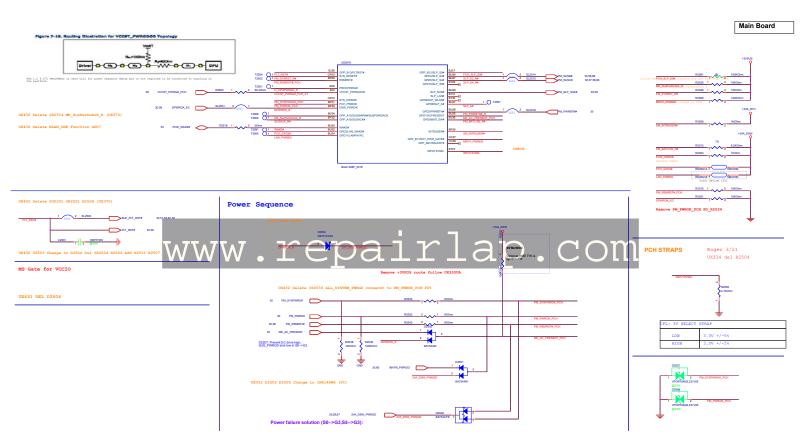
Vinafix.com

PCIE SSD

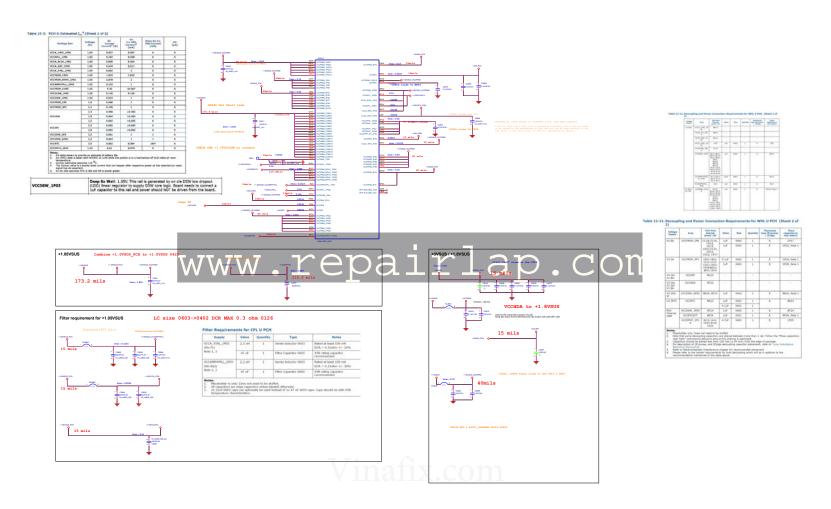
Port 1

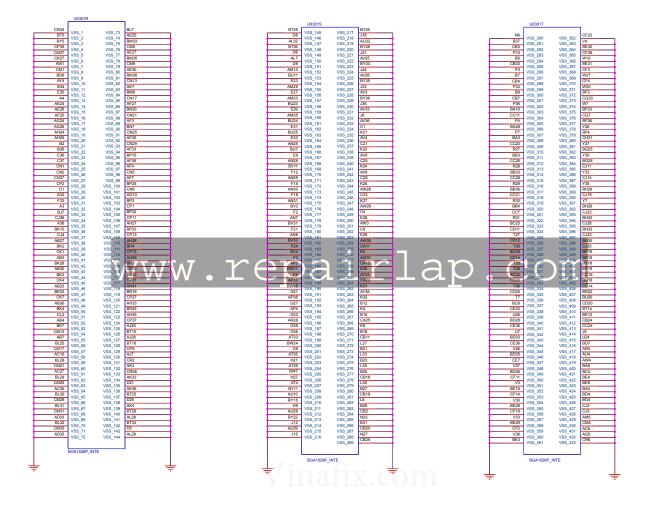
SATA SSD

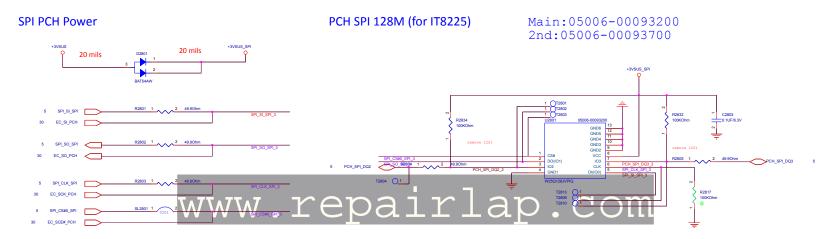




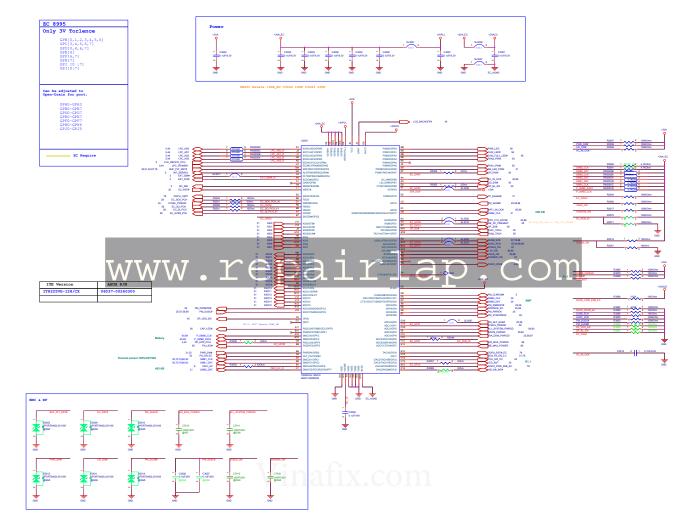
Vinafix.com

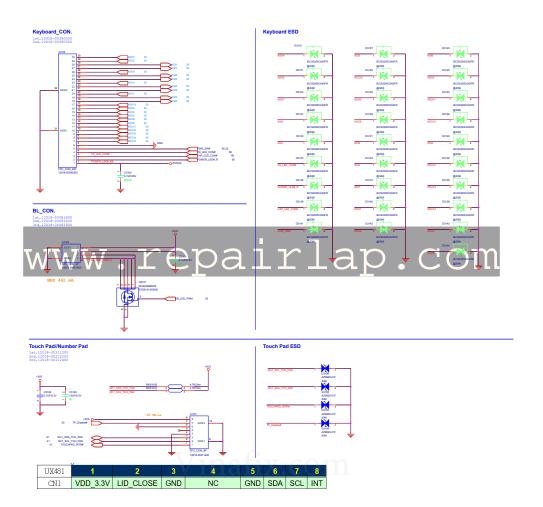




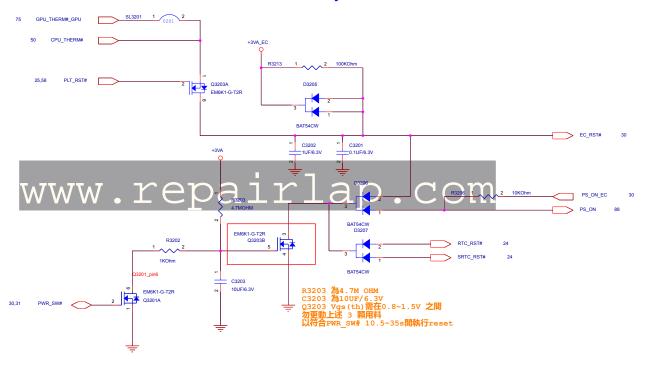


**System Management Interface** 

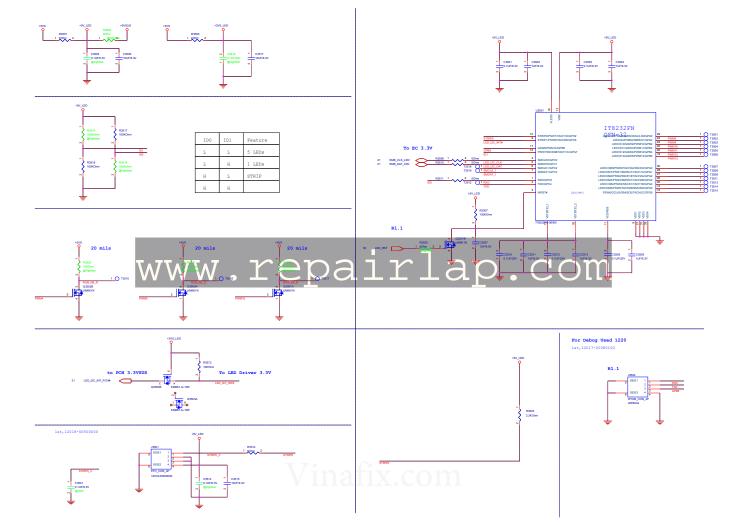


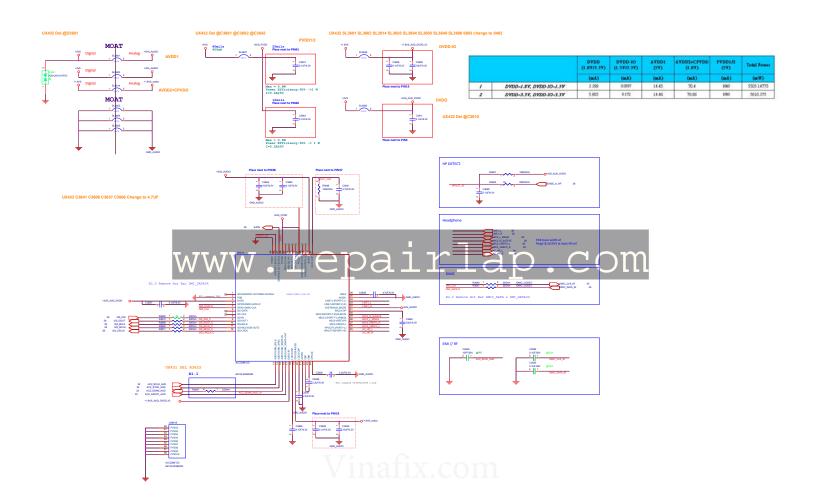


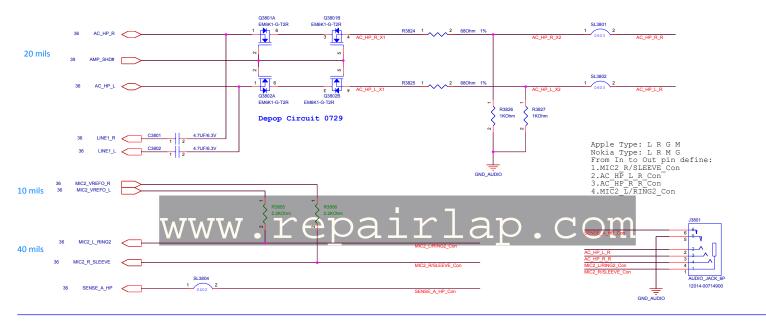
### **Thermal Policy**



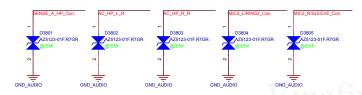
battery embedded (press pwr\_sw 40sec, then reset ec & RTC )

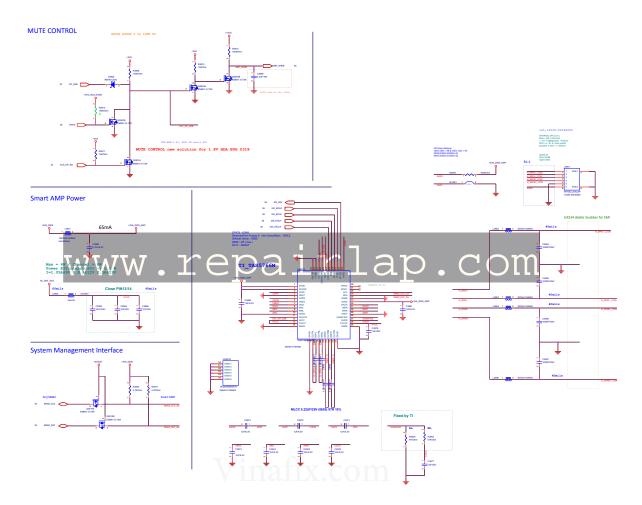




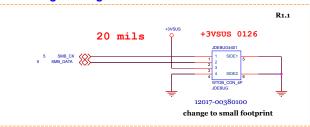


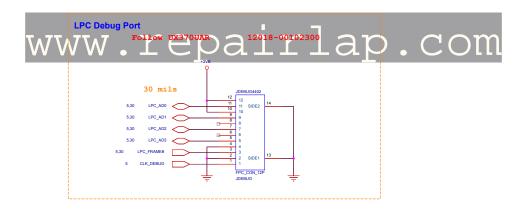
### **Phone Jack ESD**

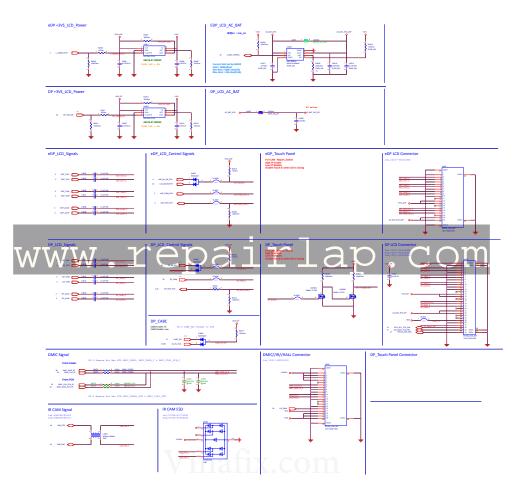


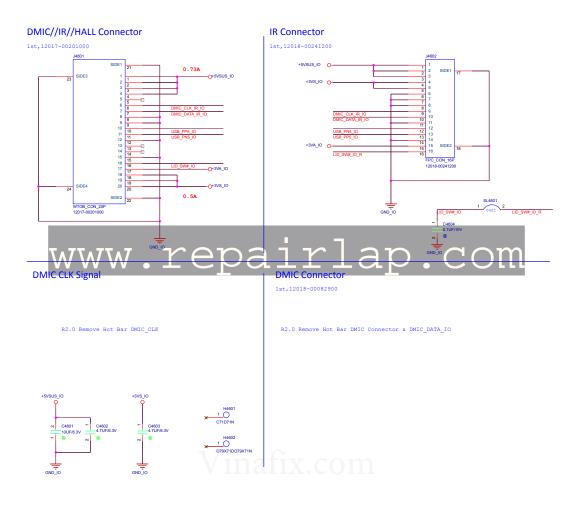


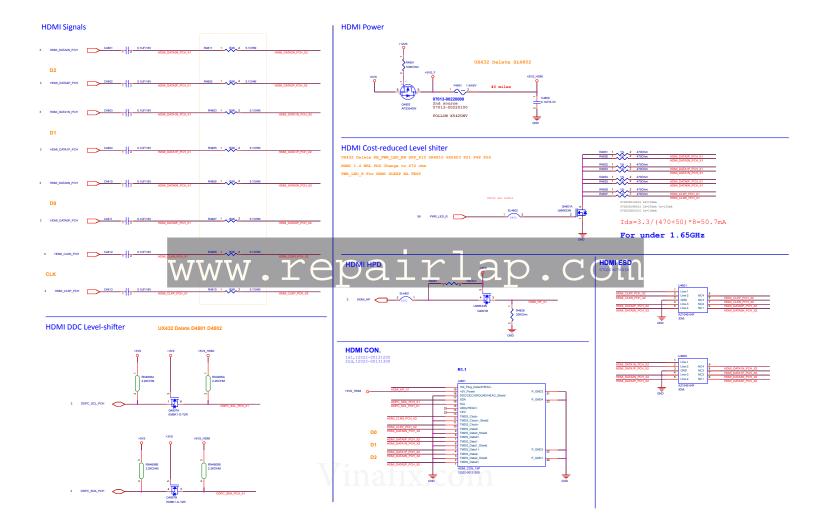
## **New Design Debug Port**



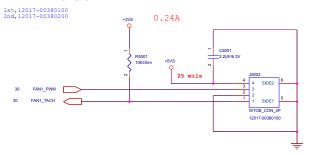




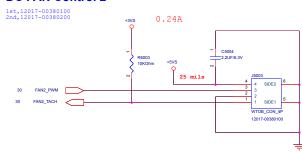




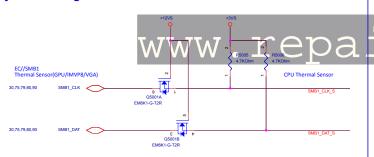
### **DC FAN Control 1**



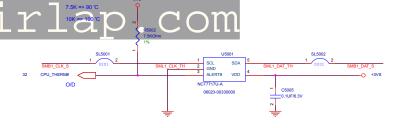
### DC FAN Control 2



## **System Management Interface**



### **CPU Thermal Sensor**



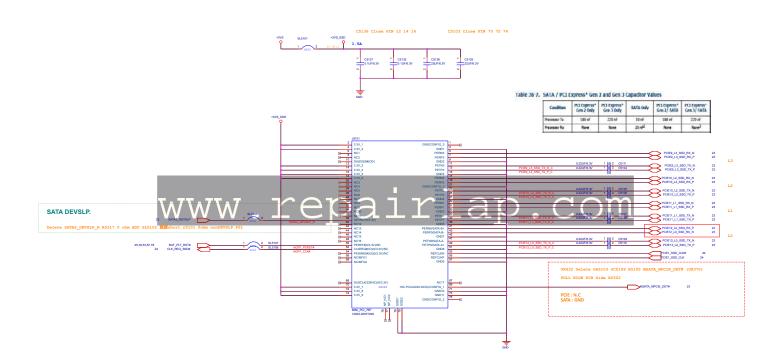
### 5.3 Address Setting

NCT7717U I2C/SMBus address is 1001000xb (x is R/W bit).

### 5.6 ALERT# point hardware power-on setting (TBD)

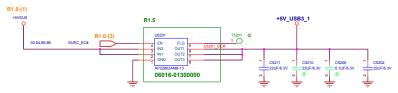
The default value could be set after power up 100ms by different pull-up resistor of ALERT# pin :

PULL-UP RESISTOR		TEMPERATURE (℃)
	2ΚΩ	75
	7.5ΚΩ	90
ALERT	10.5ΚΩ	100
	14ΚΩ	105
	18.7ΚΩ	110



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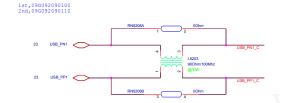
### **USB3.0 Power Switch**



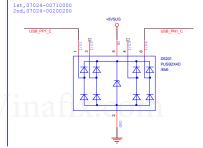
MSOP-8 PWR Switch of New Pool List: 1st: PIN: 06016-01300000 POWER SW. AP22803AM8-13/DIODES MSOP-8. 2nd: PN: 06G030046024 POWER SW. G547E1P81U/GMT MSOP8.



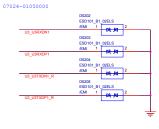
**USB2.0 ESD-Protection** 

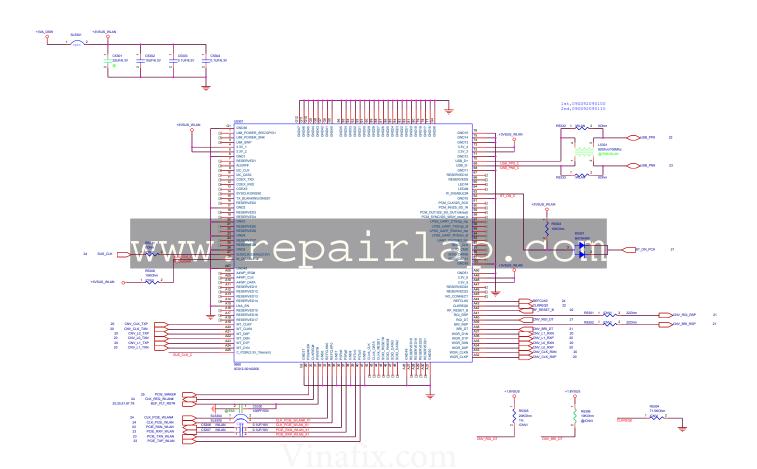


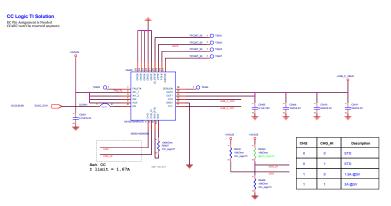
**USB 2.0 Signal & Common choke Protection** 



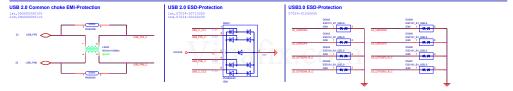


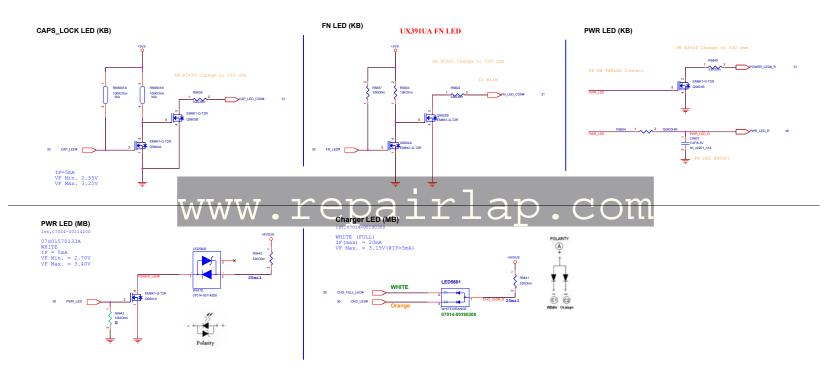




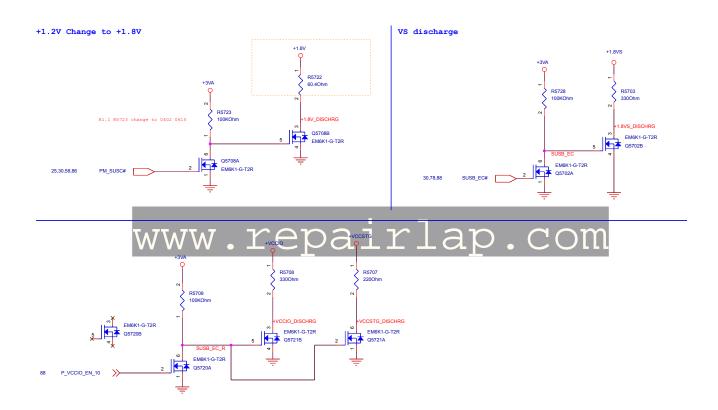






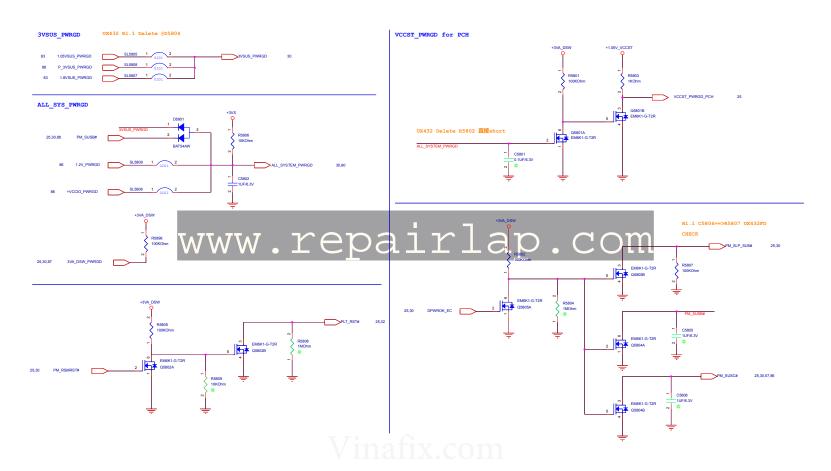


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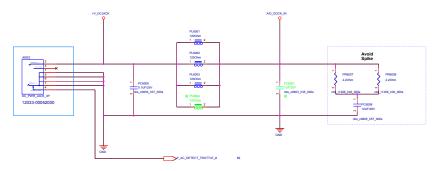


DEL +1.05VSUS Discharge

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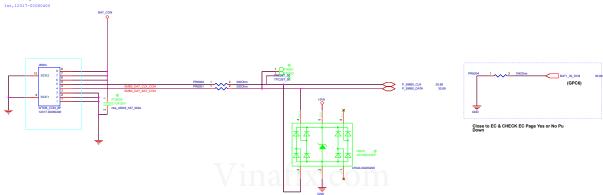


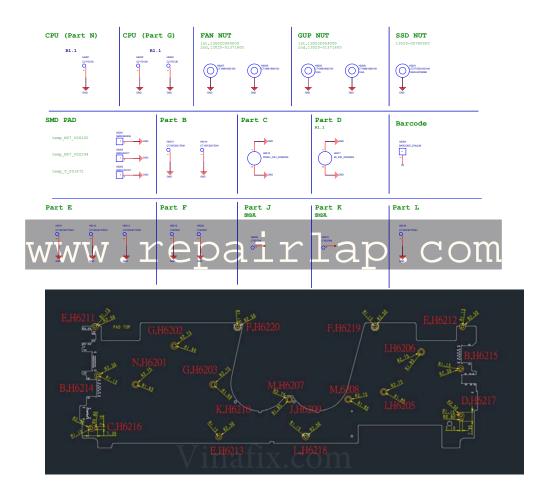
#### DC Jack 1st,12033-00052000

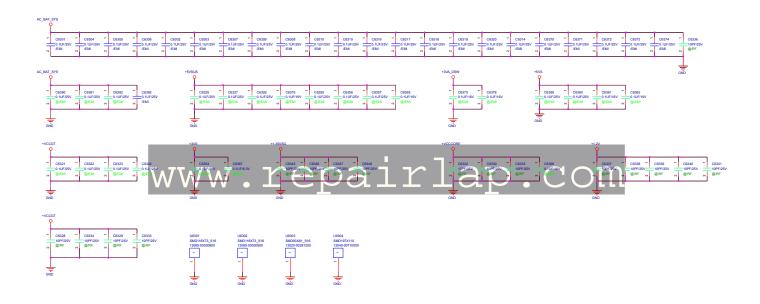


# www.repairlap.com

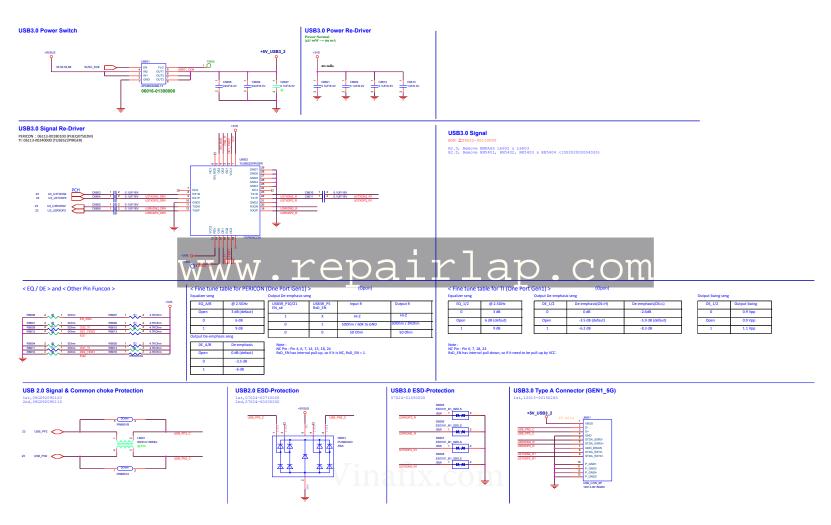
### Battery Connector 1st,12017-00080400

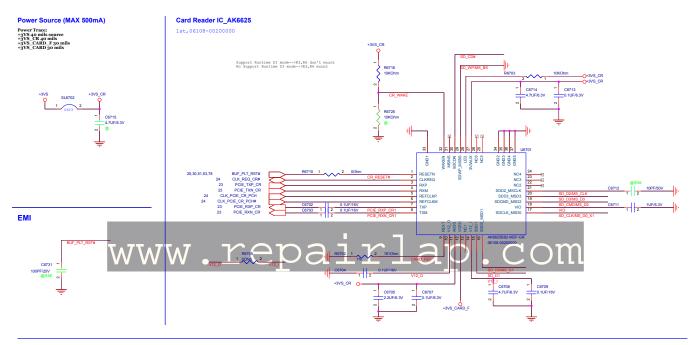






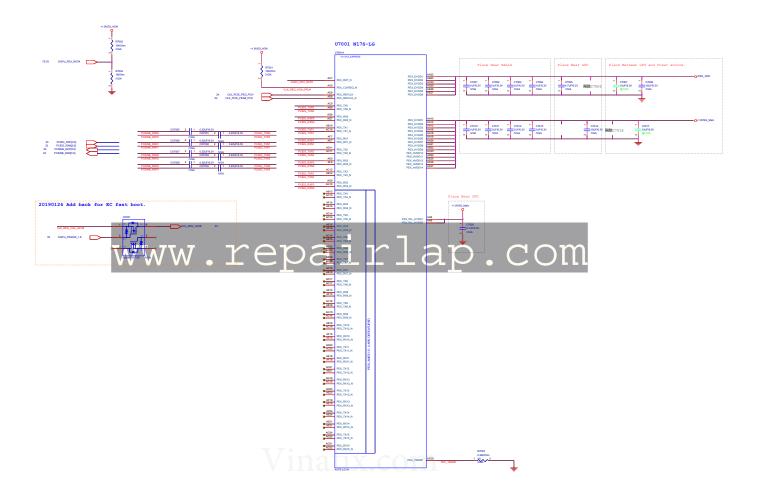
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### **GPU MEMORY INTERFACE**

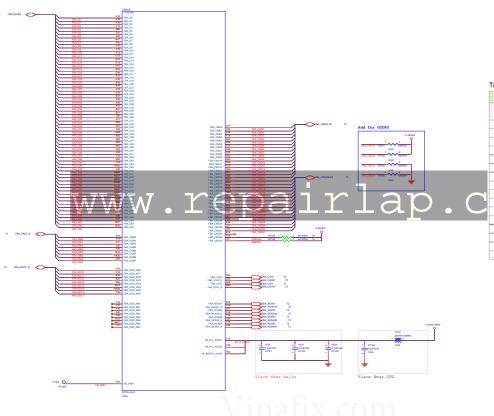
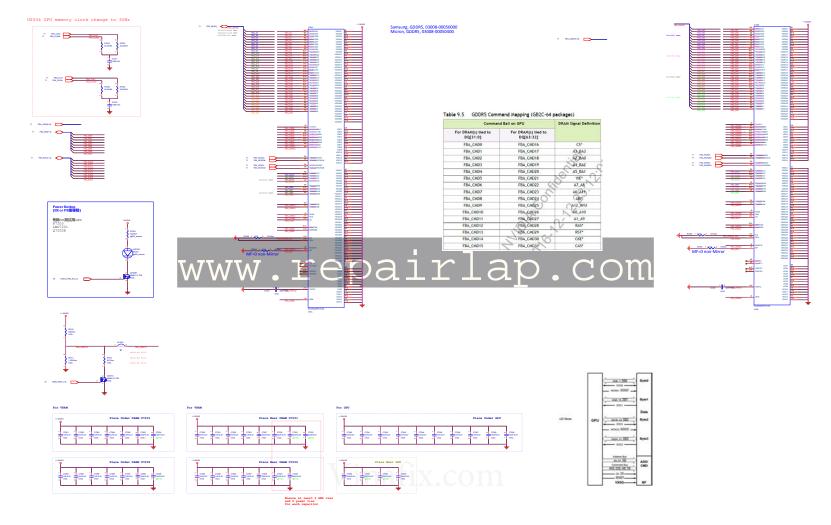
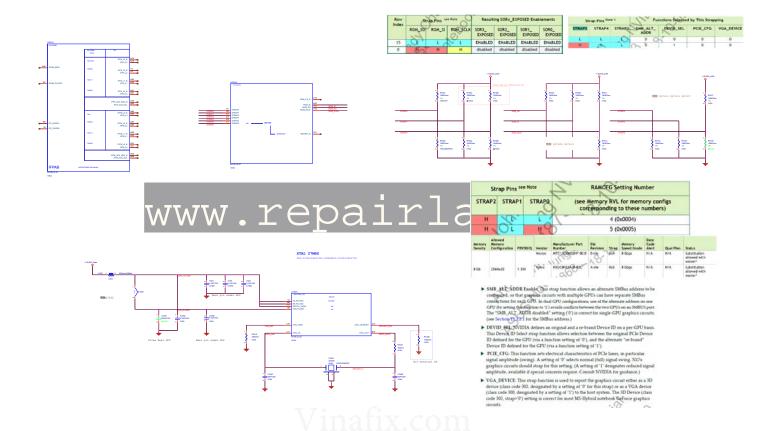
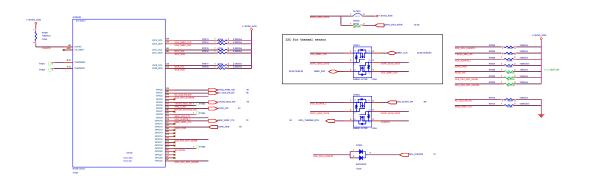


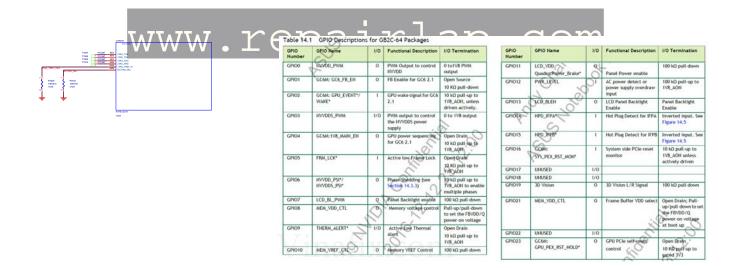
Table 9.5 GDDR5 Command Mapping (GB2C-64 packages)

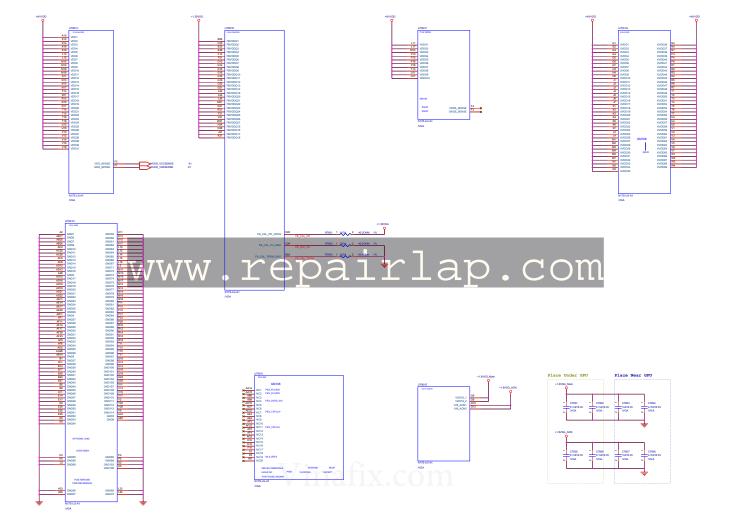
Comman	DRAM Signal Definition			
For DRAM(s) tied to DQ[31:0]	For DRAM(s) tied to DQ[63:32]			
FBA_CMD0	FBA_CMD16	cs.		
FBA_CMD1	FBA_CMD17	A3_BA3		
FBA_CMD2	FBA_CMD18	- AZ BAO		
FBA_CMD3	FBA_CMD19	A4_BA2		
FBA_CMD4	FBA_CMD20	A5_BA1		
FBA_CMD5	FBA_CMD21	WE.		
FBA_CMD6	FBA_CMD22 S	A7_A8		
FBA_CMD7	FBA_CMD23	A6 Att		
FBA_CMD8	FBA_CMD24	ABI		
FBA_CMD9	FBA_CMD25	(A12_RFU		
FBA_CMD10	FBA_CMD26	A0_A10		
FBA_CMD11	FBA_CMD27	A1_A9		
FBA_CMD12	FBA CMD28	RAS*		
FBA_CMD13	FBA_CMD29	RST*		
FBA_CMD14	FBA_CMD30	CKE.		
FBA_CMD15	FBA_CMD31	CAS*		



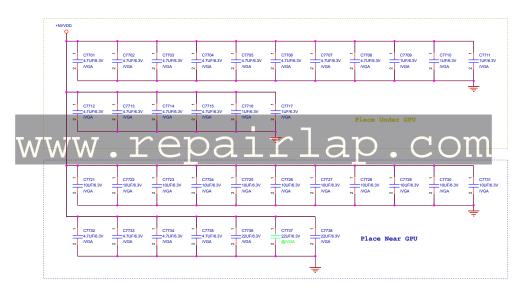




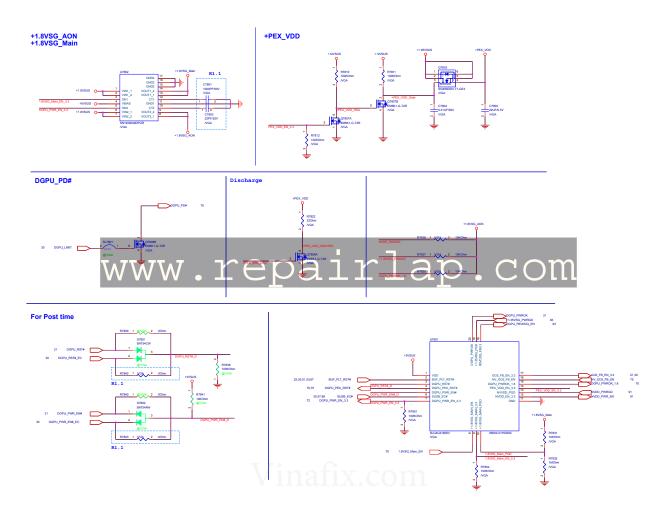


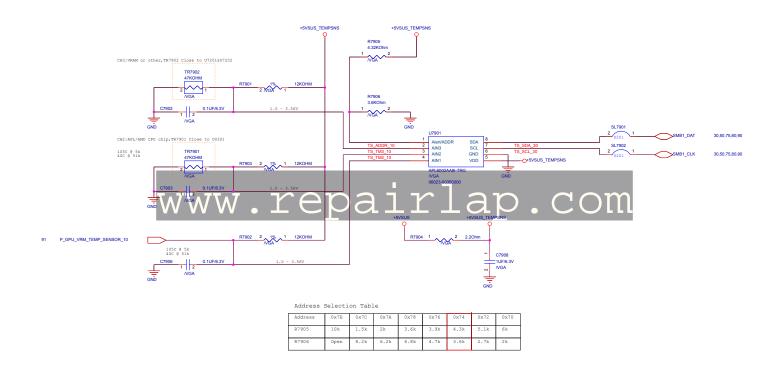


### **NVVDD POWER AND DECOUPLING**

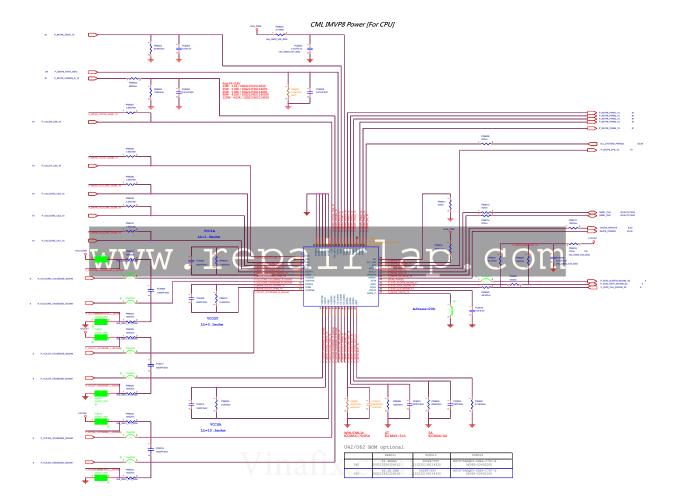


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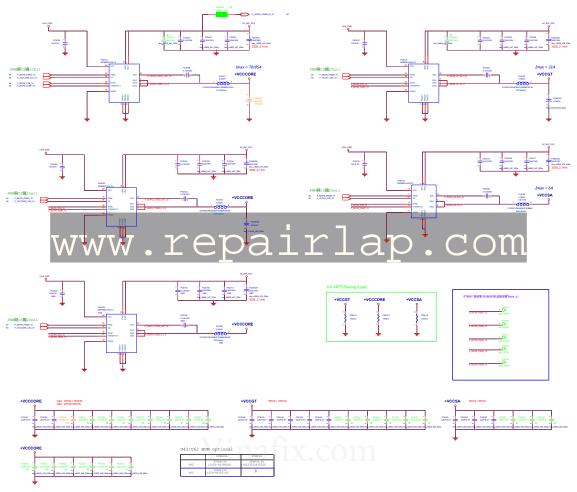


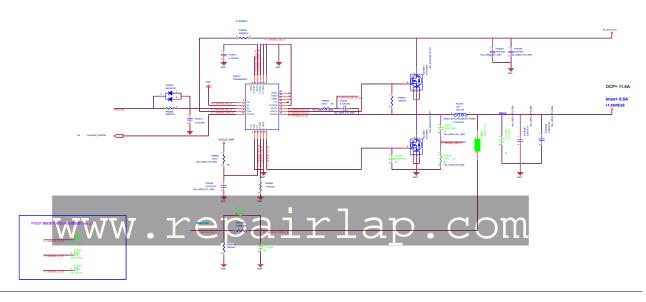


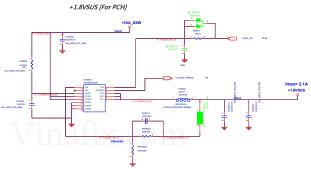
### Vinafix.com



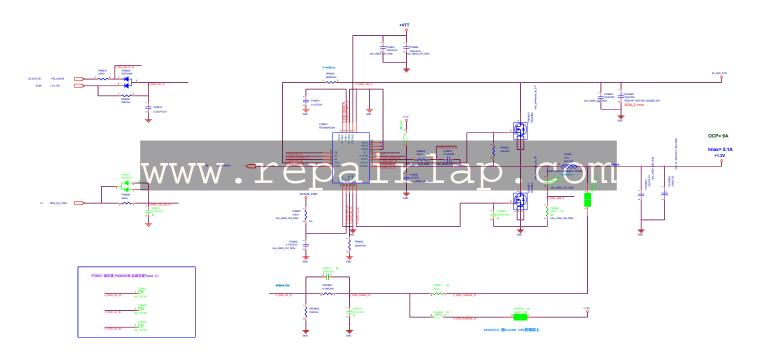
#### CML IMVP8 (2) Power [For CPU]



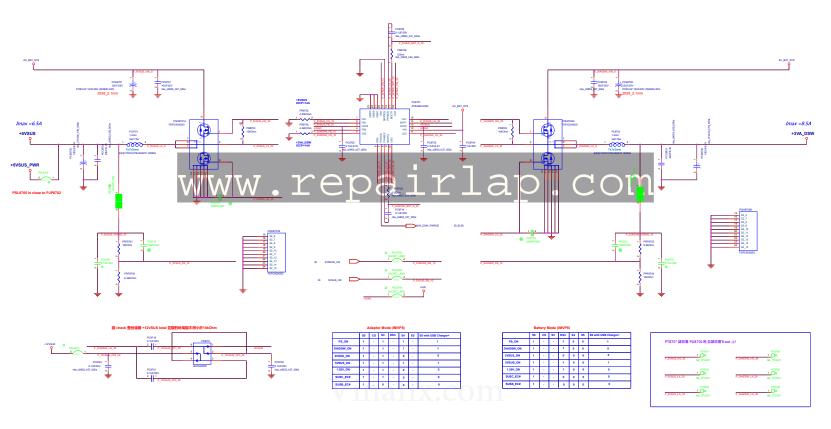




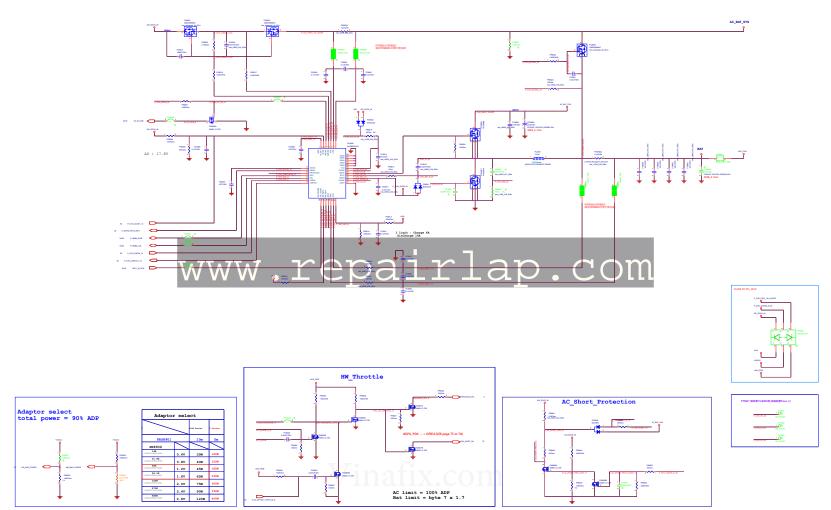
### +1.2V / +VTT [For Memory]



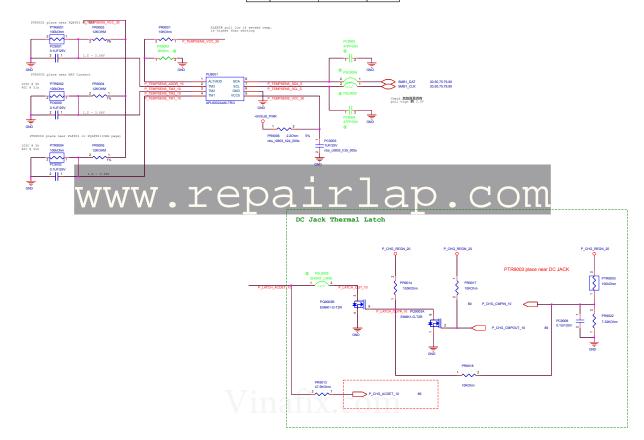
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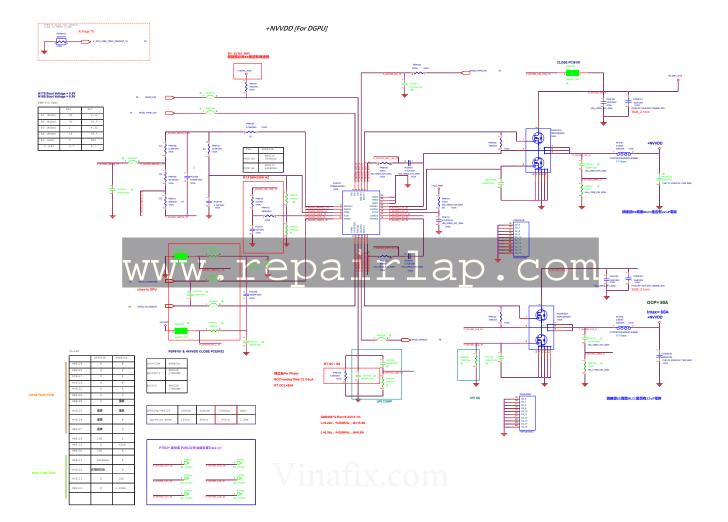


EE Add discharge circuit

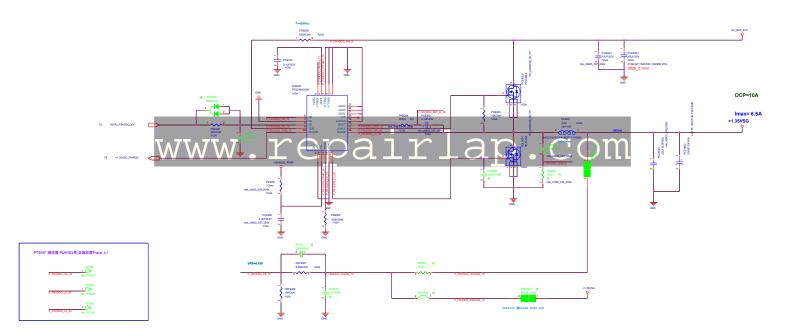


Address Selection Table								
Address	0×7E	0x7C	0x7A	0×78	0x76	0x74	0x72	0x70
PR9001	10k	1.5%	2k	3.6k	3.9k	4.3k	5.1k	6k
PR9002	Open	8.2%	6.2k	6.8%	4.7k	3.6k	2.7k	216

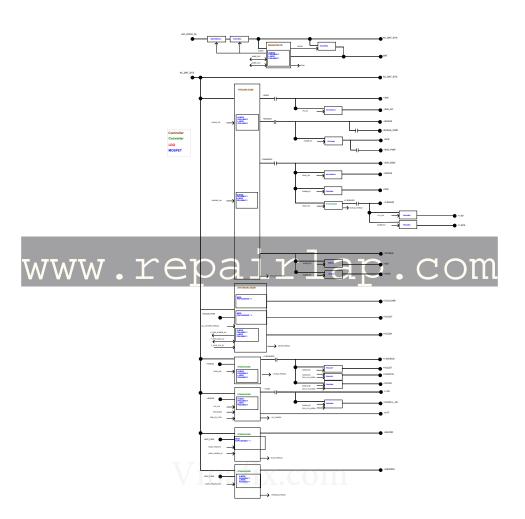


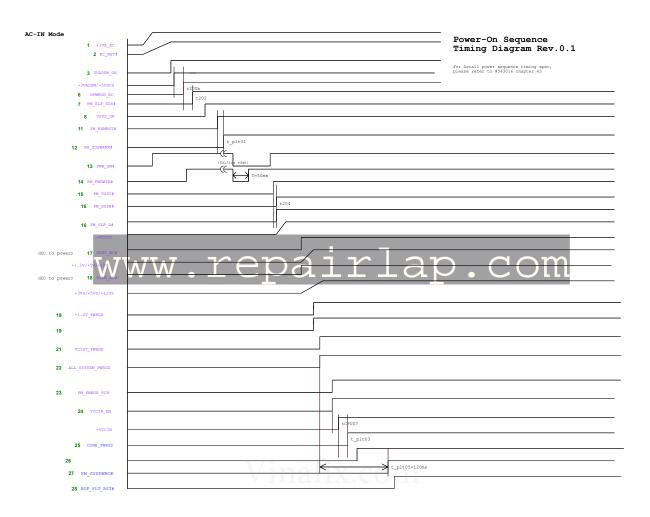


### +FBVDDQ [For VRAM]



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### Power On Sequence Diagram Rev.2.0

