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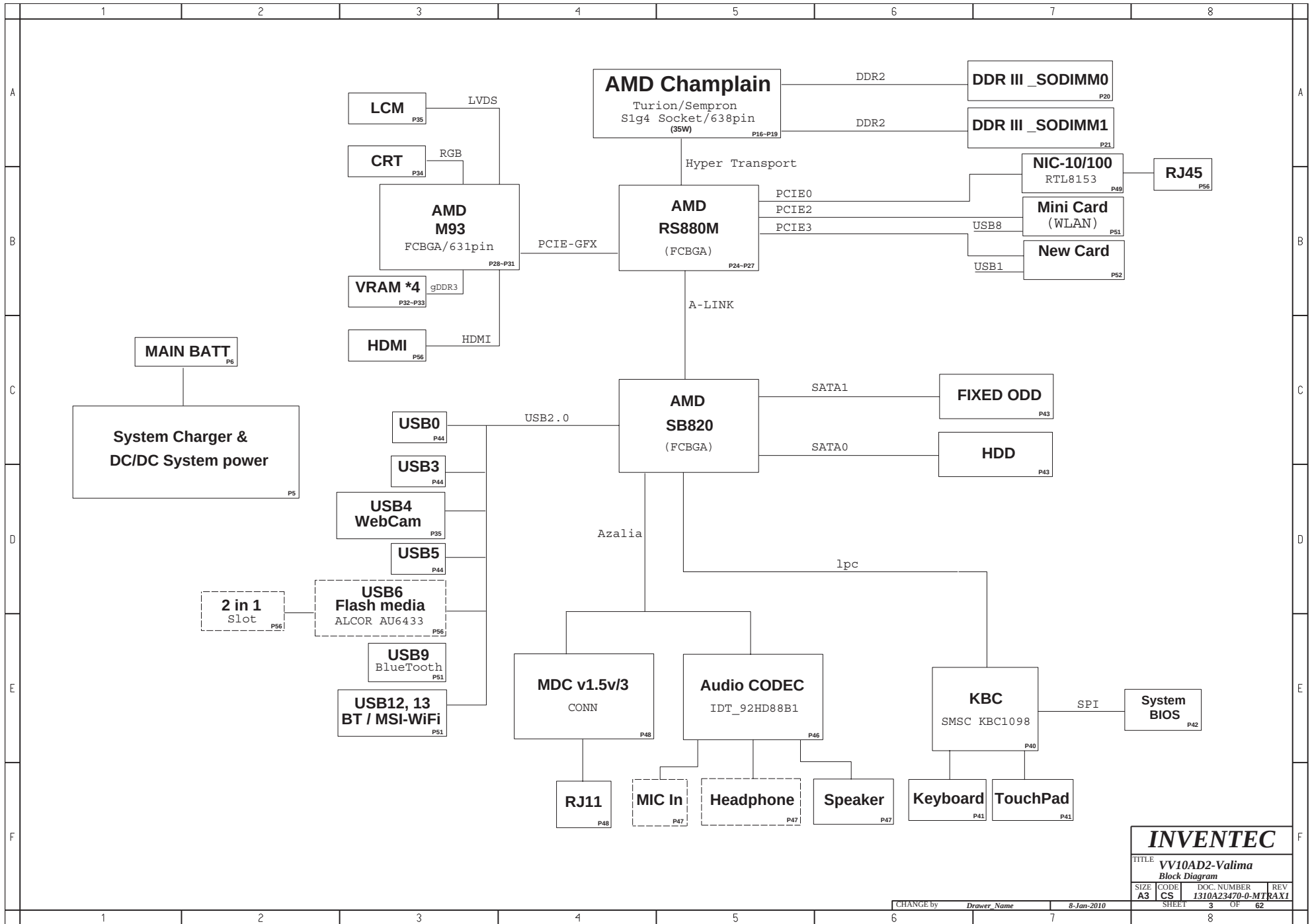
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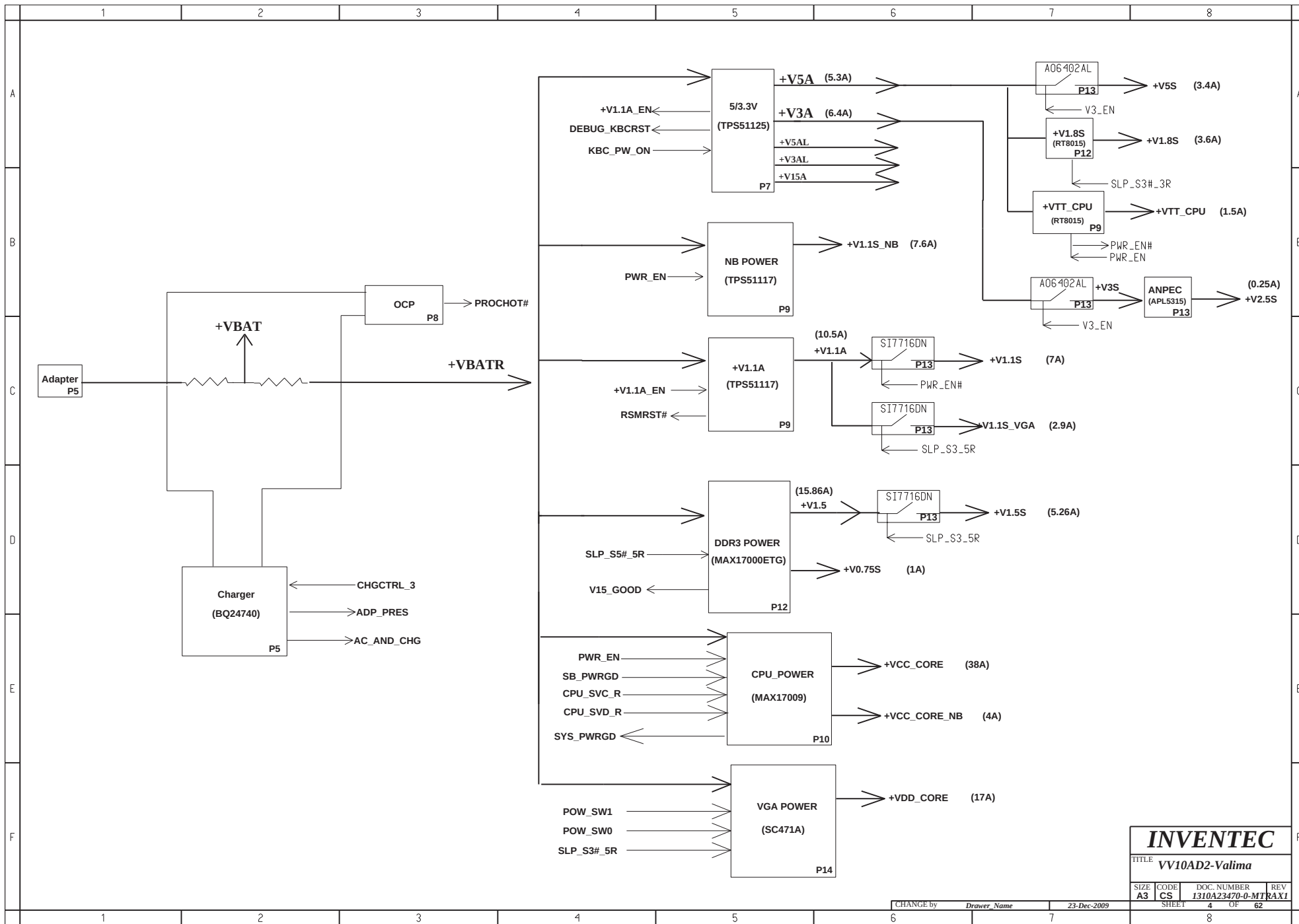
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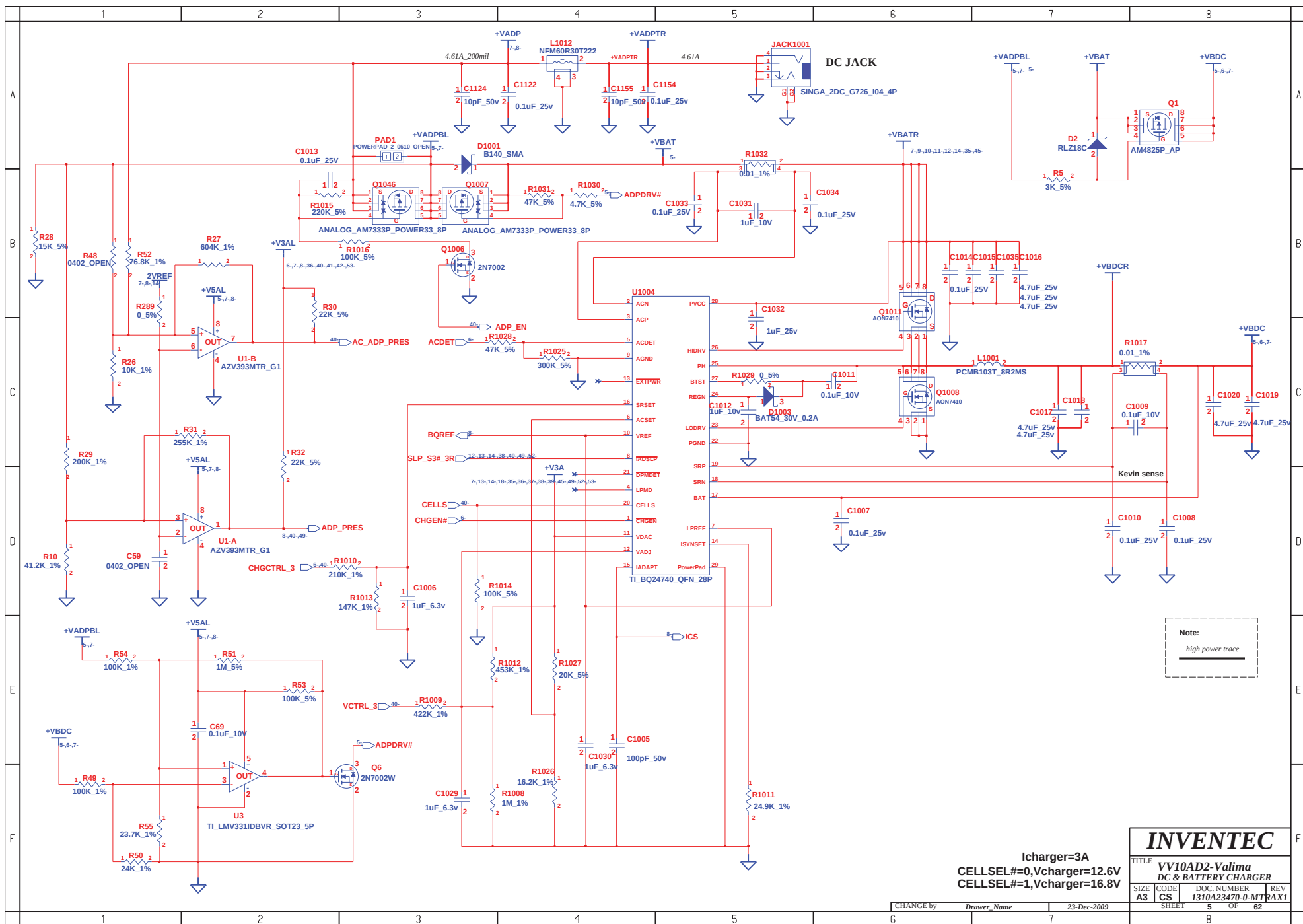
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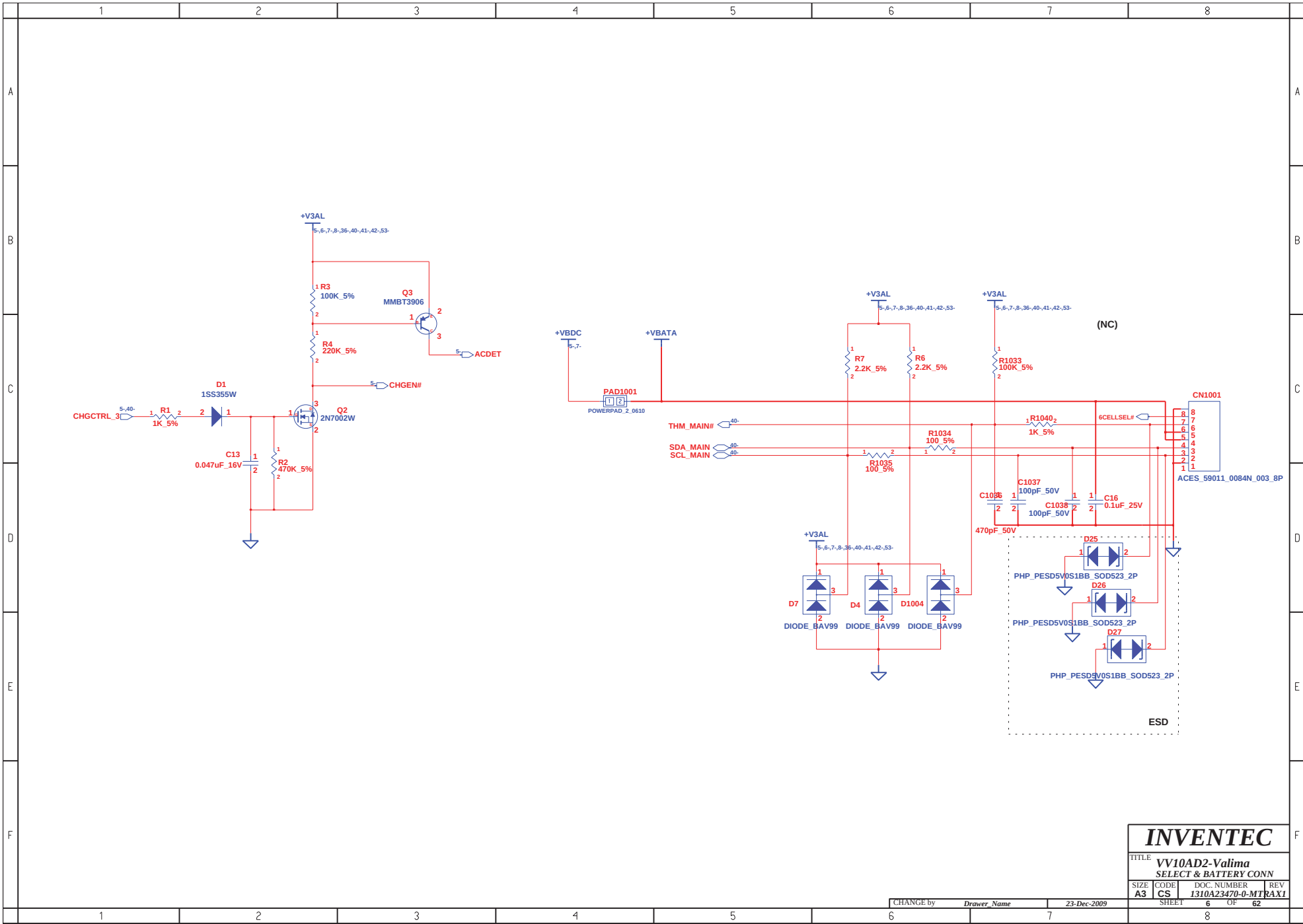
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VV10AD2-Valima			
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CHANGE by *Drawner Name* 19-Jan-2010









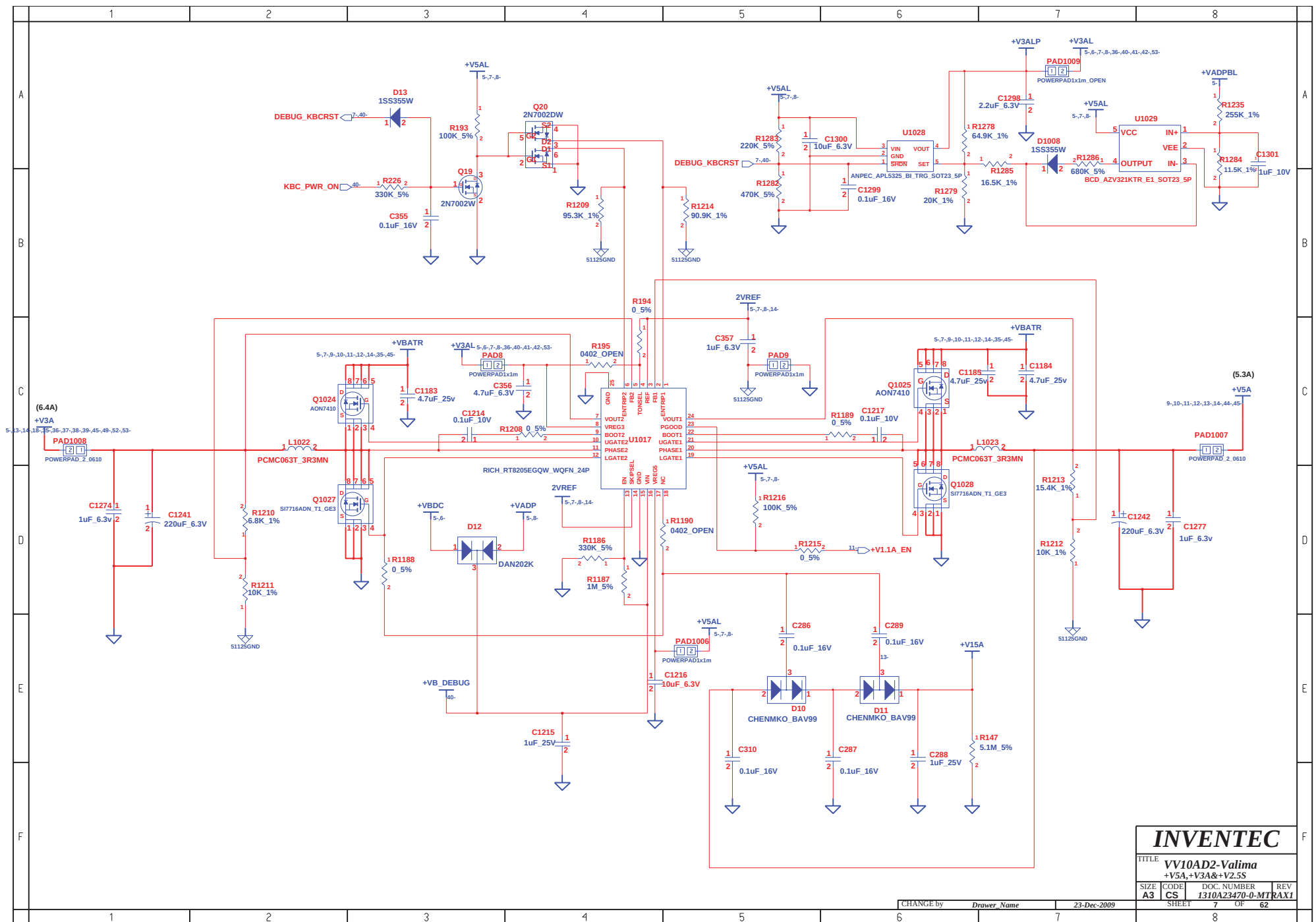
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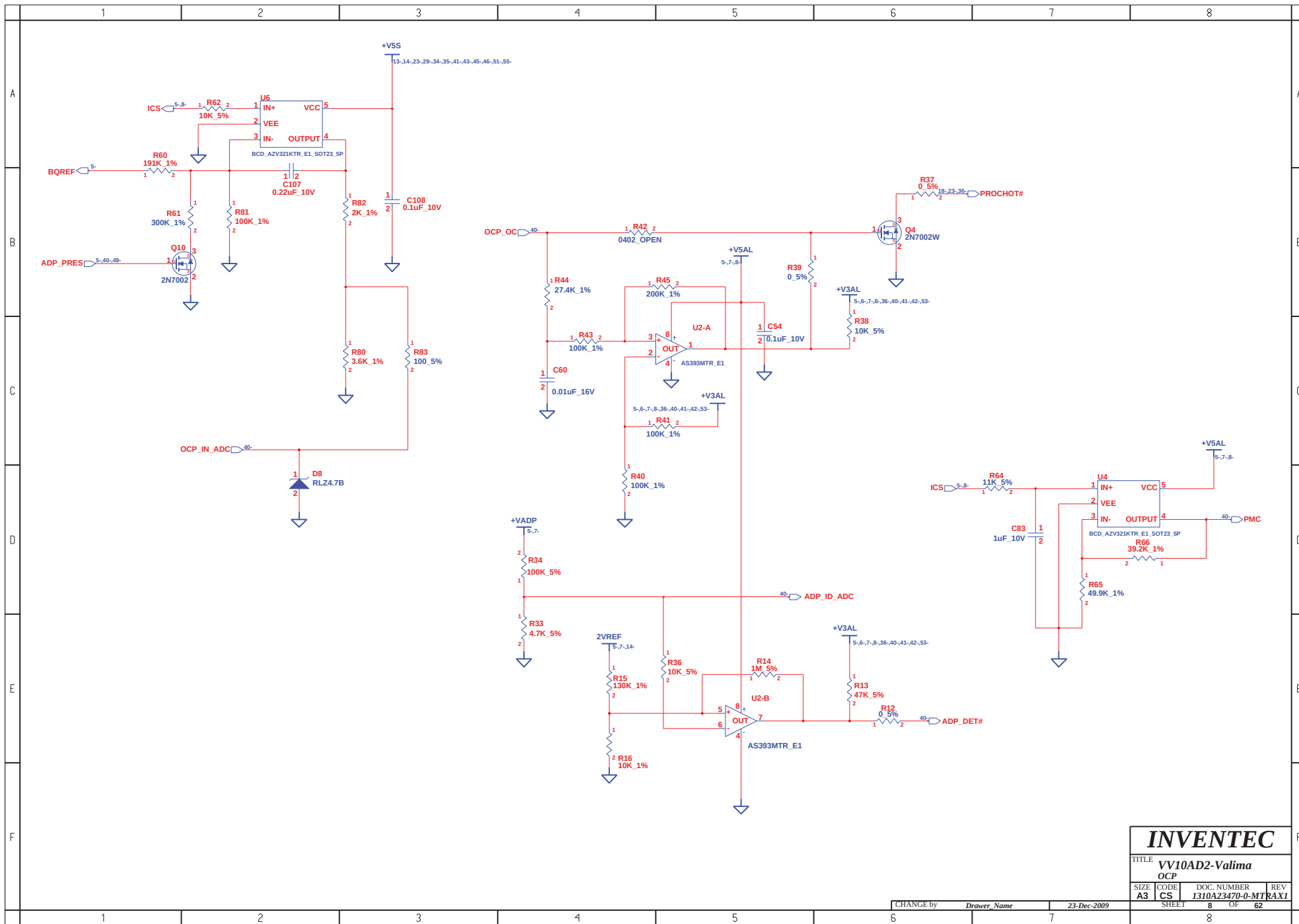
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**VV10AD2-Valima
SELECT & BATTERY CONN**

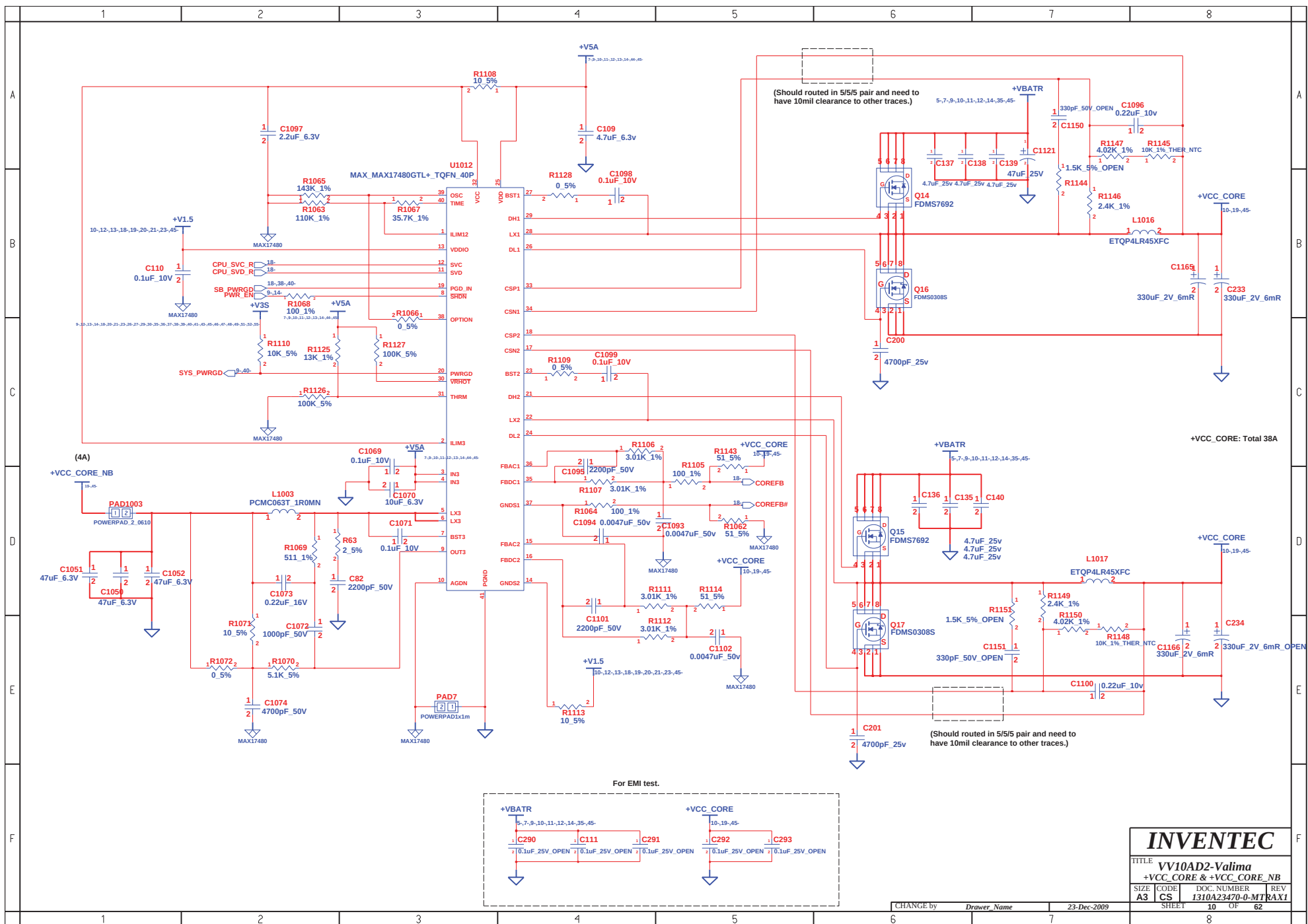
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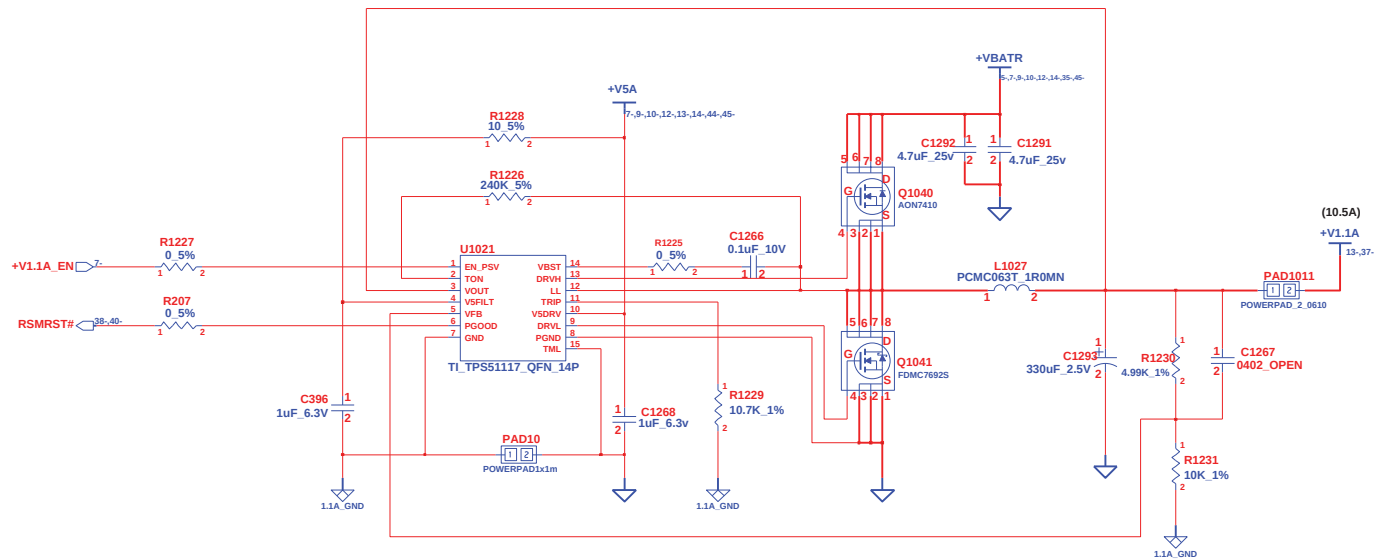
CHANGE by *Drawer Name* 23-Dec-2009

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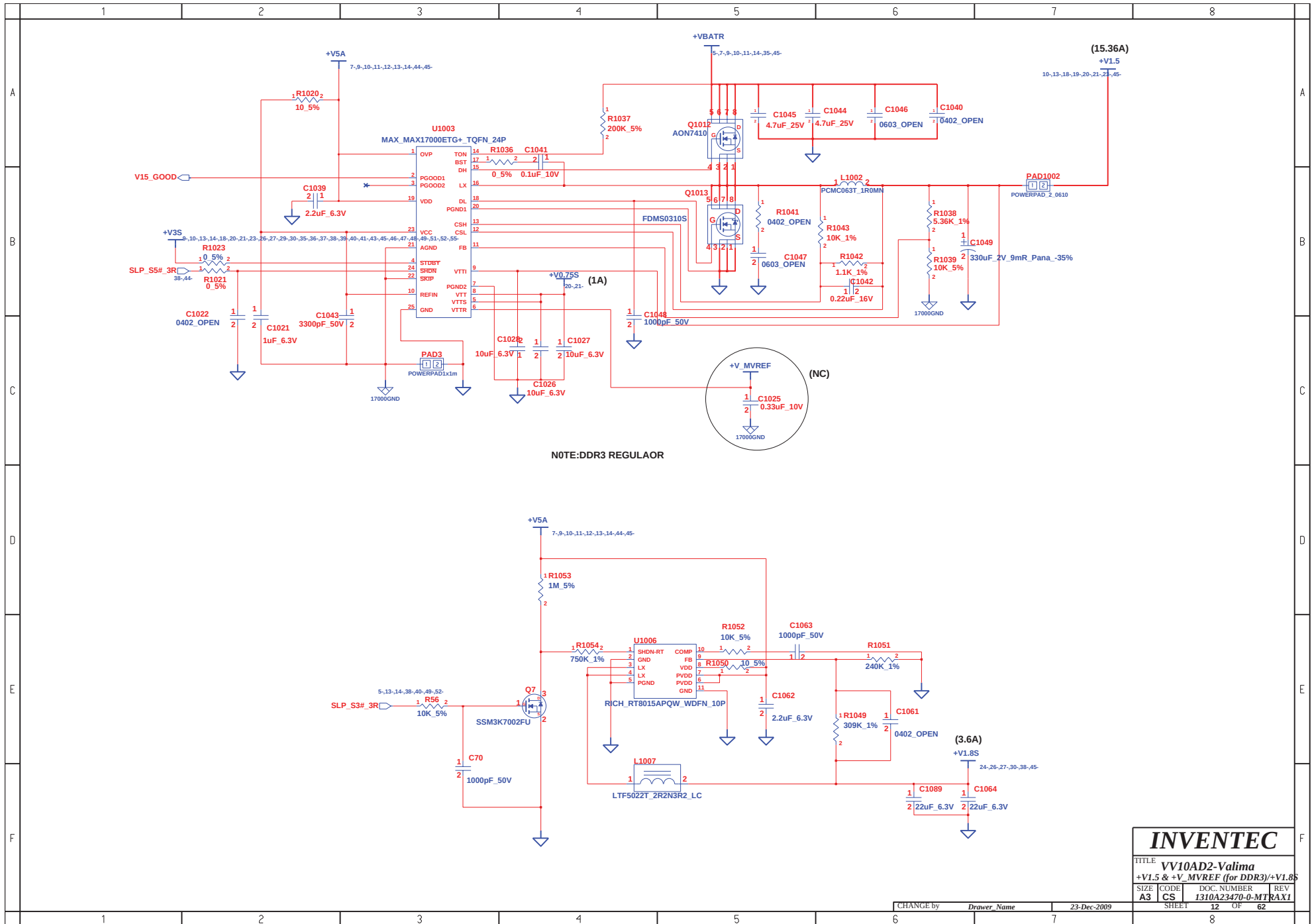


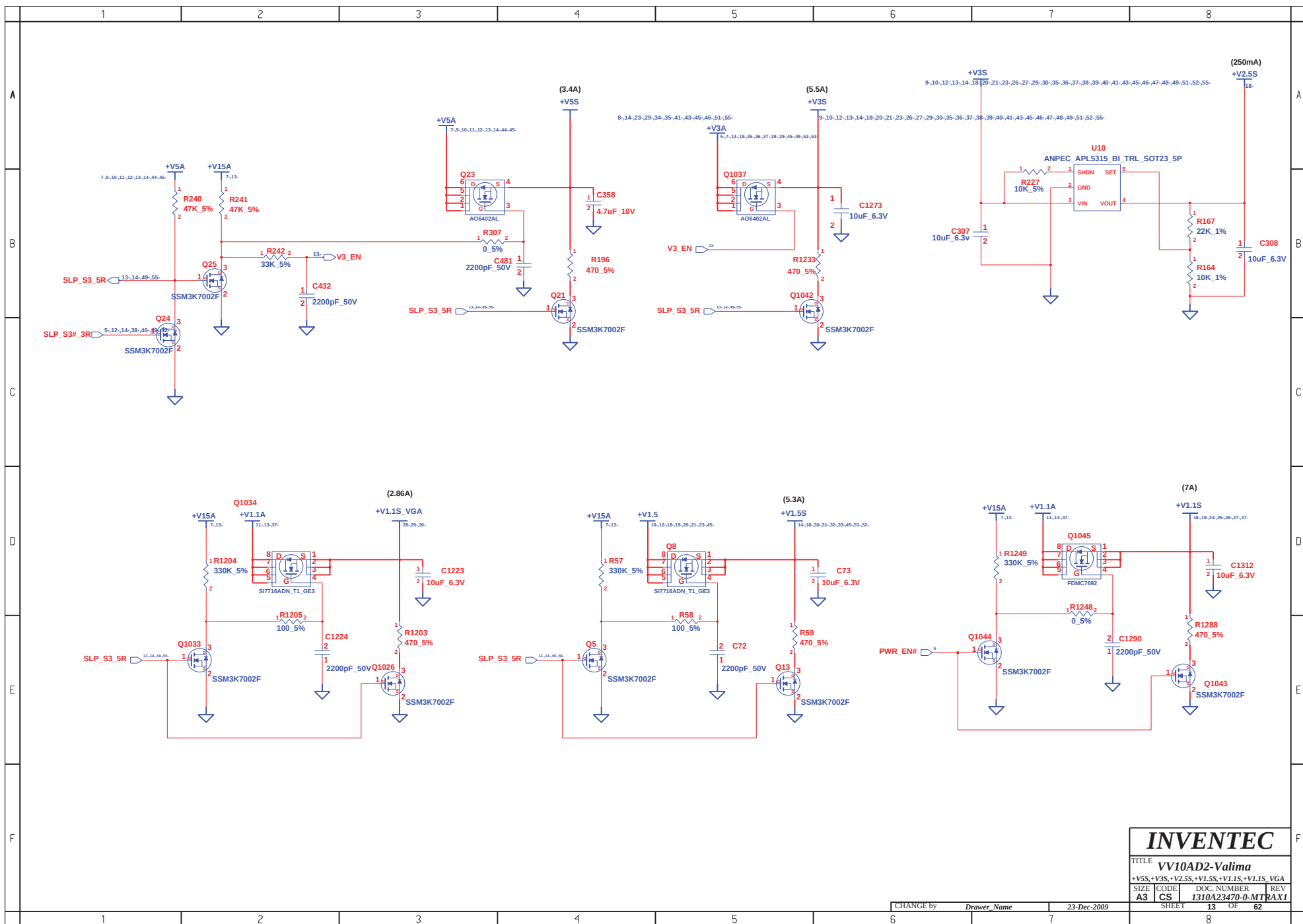




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TITLE VV10AD2-Valima			
+V1.1A			
SIZE A3	CODE CS	DOC. NUMBER 1310A23470-0-MTRAXI	REV
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CHANGE by *Drawer Name* 23-Dec-2009





POW_SW1	POW_SW0	+VDD_CORE
1	1	0.9V
1	0	0.95V
0	1	1.05V
0	0	1.1V

Component List:

- Resistors:** R1044, R1046, R1045, R1086, R1085, R1087, R1088, R1092, R1090, R1093, R1094, R149, R150, R152, R151, R140, R141, R138, R139.
- Capacitors:** C1056, C1083, C1057, C1058, C1059, C1060, C1085, C1087, C1113, C1094, C280, C296, C281.
- Diodes:** D1005, D9, Q1014, Q1019, Q18.
- ICs:** U1005 (SEMTECH_SC471A_MLPQ_16P), U9 (BCD_AZV331KTR_E1_SOT23_5P).
- Other:** L1009 (PCMC063T_1R0MNM), PADI004 (POWERPAD_2_0610), SSM3K7002F.

Power Sequence Table:

POW_SW1	POW_SW0	+VDD_CORE
1	1	0.9V
1	0	0.95V
0	1	1.05V
0	0	1.1V

Project Information:

INVENTEC

TITLE: VV10AD2-Valima
+VDD_CORE & Power Sequence

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23470-0-MT	RAX1

CHANGE by: *Drawer Name* **23-Dec-2009**

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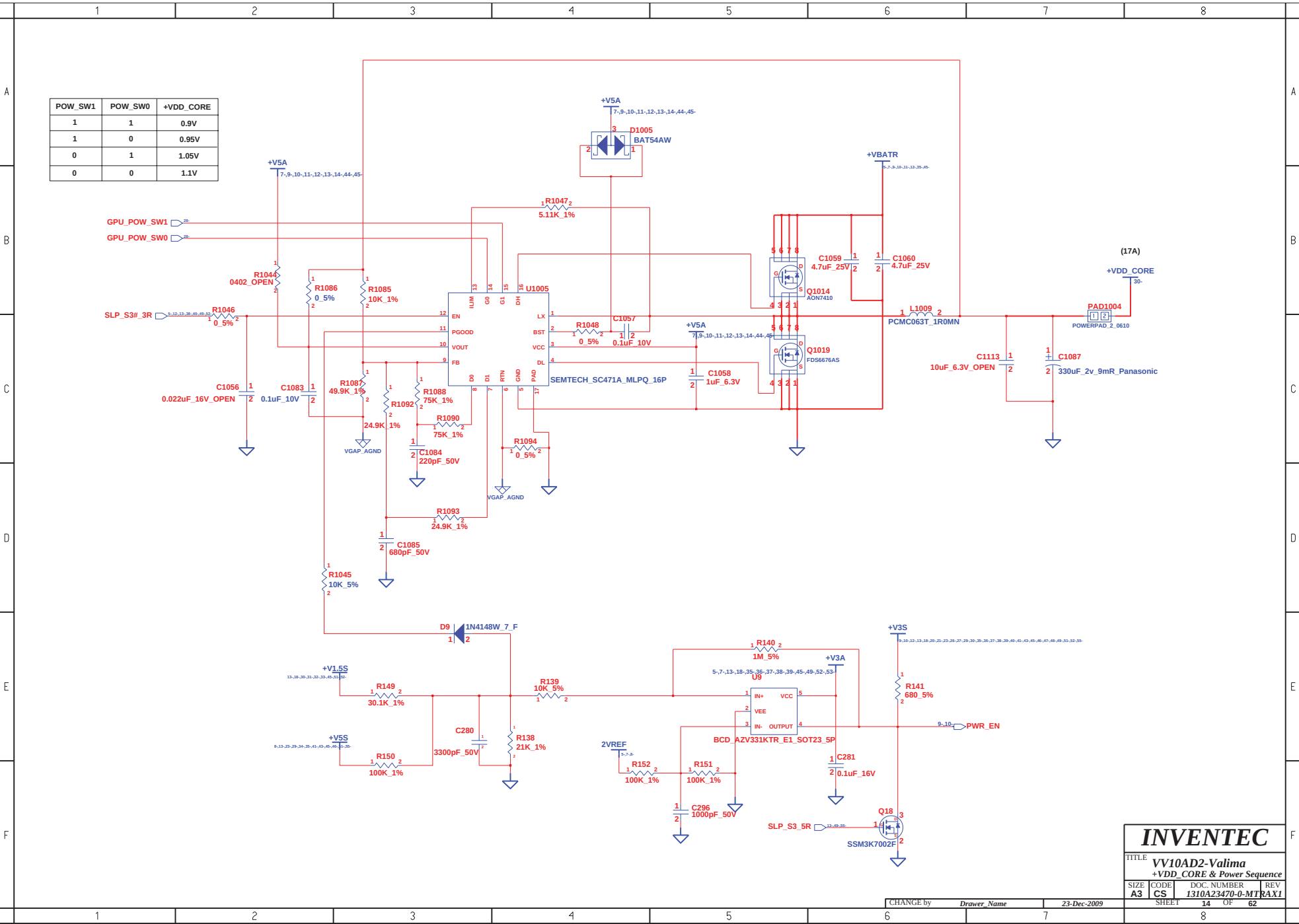


Table 1: Power Switch States

POW_SW1	POW_SW0	+VDD_CORE
1	1	0.9V
1	0	0.95V
0	1	1.05V
0	0	1.1V

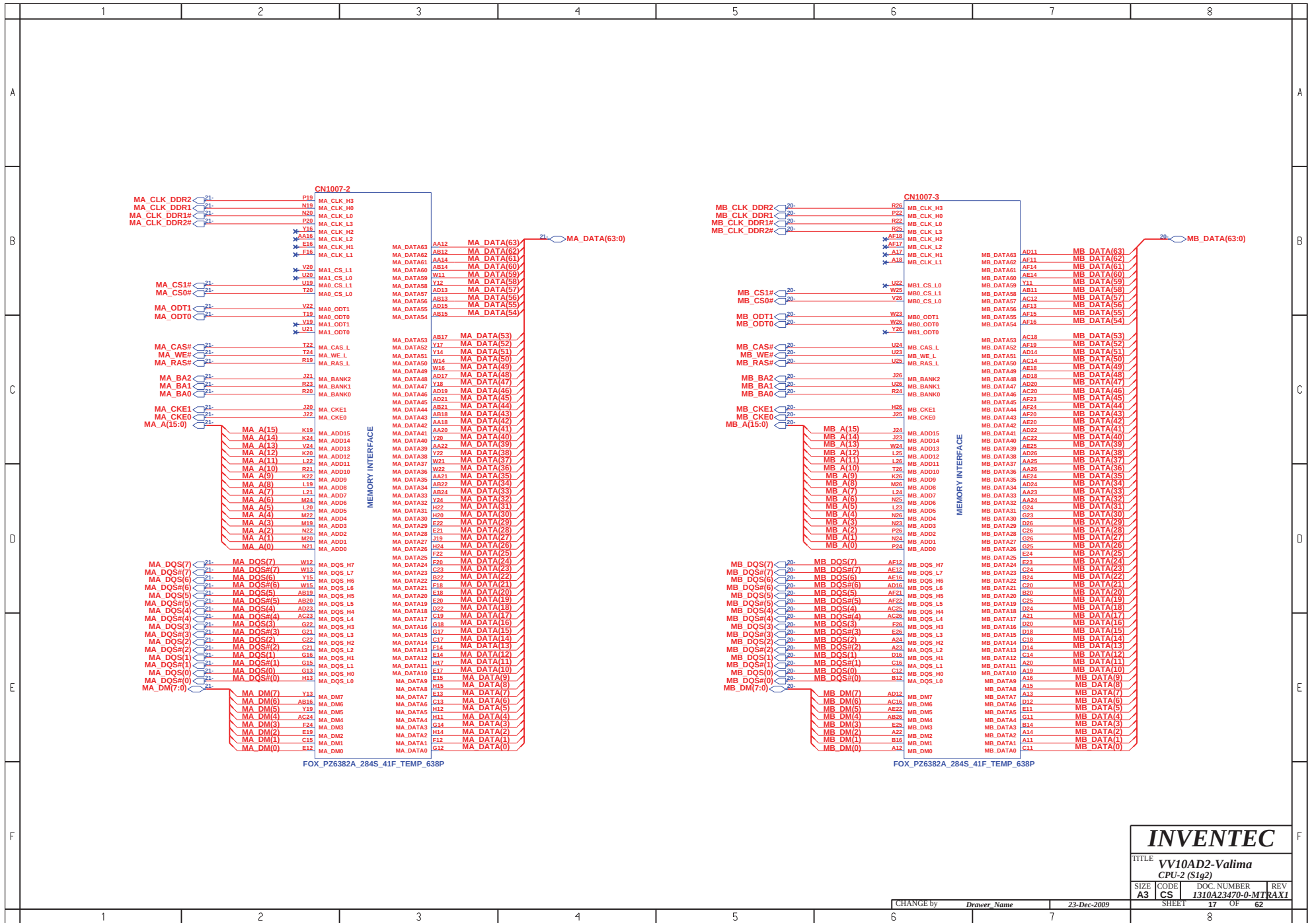
Table 2: Component Values

Component	Value
R1047	5.11K 1%
R1048	0.5%
R1049	0.5%
R1050	0.5%
R1051	0.5%
R1052	0.5%
R1053	0.5%
R1054	0.5%
R1055	0.5%
R1056	0.5%
R1057	0.5%
R1058	0.5%
R1059	0.5%
R1060	0.5%
R1061	0.5%
R1062	0.5%
R1063	0.5%
R1064	0.5%
R1065	0.5%
R1066	0.5%
R1067	0.5%
R1068	0.5%
R1069	0.5%
R1070	0.5%
R1071	0.5%
R1072	0.5%
R1073	0.5%
R1074	0.5%
R1075	0.5%
R1076	0.5%
R1077	0.5%
R1078	0.5%
R1079	0.5%
R1080	0.5%
R1081	0.5%
R1082	0.5%
R1083	0.5%
R1084	0.5%
R1085	0.5%
R1086	0.5%
R1087	0.5%
R1088	0.5%
R1089	0.5%
R1090	0.5%
R1091	0.5%
R1092	0.5%
R1093	0.5%
R1094	0.5%
R1095	0.5%
R1096	0.5%
R1097	0.5%
R1098	0.5%
R1099	0.5%
R1100	0.5%
R1101	0.5%
R1102	0.5%
R1103	0.5%
R1104	0.5%
R1105	0.5%
R1106	0.5%
R1107	0.5%
R1108	0.5%
R1109	0.5%
R1110	0.5%
R1111	0.5%
R1112	0.5%
R1113	0.5%
R1114	0.5%
R1115	0.5%
R1116	0.5%
R1117	0.5%
R1118	0.5%
R1119	0.5%
R1120	0.5%
R1121	0.5%
R1122	0.5%
R1123	0.5%
R1124	0.5%
R1125	0.5%
R1126	0.5%
R1127	0.5%
R1128	0.5%
R1129	0.5%
R1130	0.5%
R1131	0.5%
R1132	0.5%
R1133	0.5%
R1134	0.5%
R1135	0.5%
R1136	0.5%
R1137	0.5%
R1138	0.5%
R1139	0.5%
R1140	0.5%
R1141	0.5%
R1142	0.5%
R1143	0.5%
R1144	0.5%
R1145	0.5%
R1146	0.5%
R1147	0.5%
R1148	0.5%
R1149	0.5%
R1150	0.5%
R1151	0.5%
R1152	0.5%
R1153	0.5%
R1154	0.5%
R1155	0.5%
R1156	0.5%
R1157	0.5%
R1158	0.5%
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R1160	0.5%
R1161	0.5%
R1162	0.5%
R1163	0.5%
R1164	0.5%
R1165	0.5%
R1166	0.5%
R1167	0.5%
R1168	0.5%
R1169	0.5%
R1170	0.5%
R1171	0.5%
R1172	0.5%
R1173	0.5%
R1174	0.5%
R1175	0.5%
R1176	0.5%
R1177	0.5%
R1178	0.5%
R1179	0.5%
R1180	0.5%
R1181	0.5%
R1182	0.5%
R1183	0.5%
R1184	0.5%
R1185	0.5%
R1186	0.5%
R1187	0.5%
R1188	0.5%
R1189	0.5%
R1190	0.5%

	1	2	3	4	5	6	7	8	
A	Blank								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

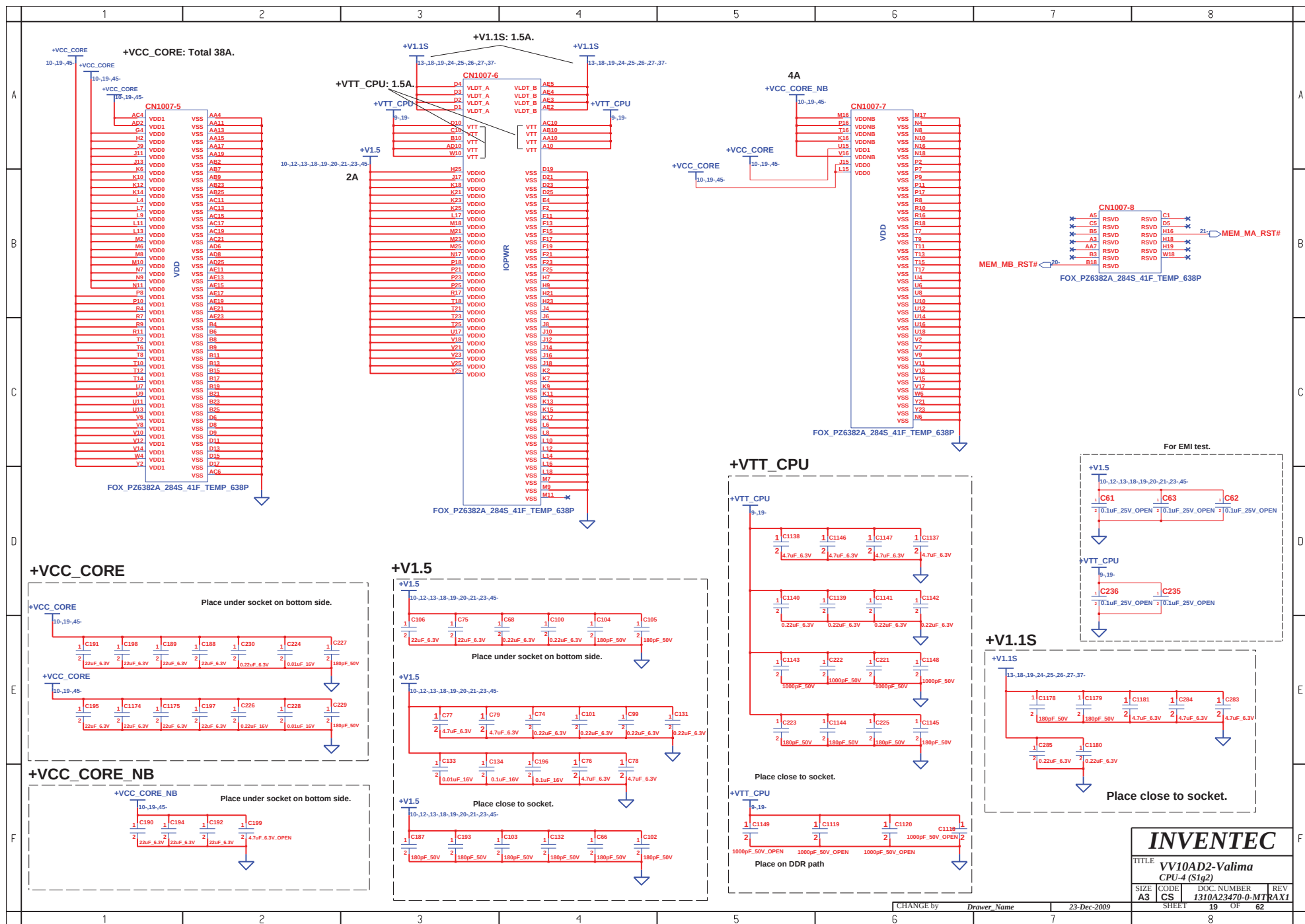
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CHANGE by *Drawn Name* 23-Dec-2009

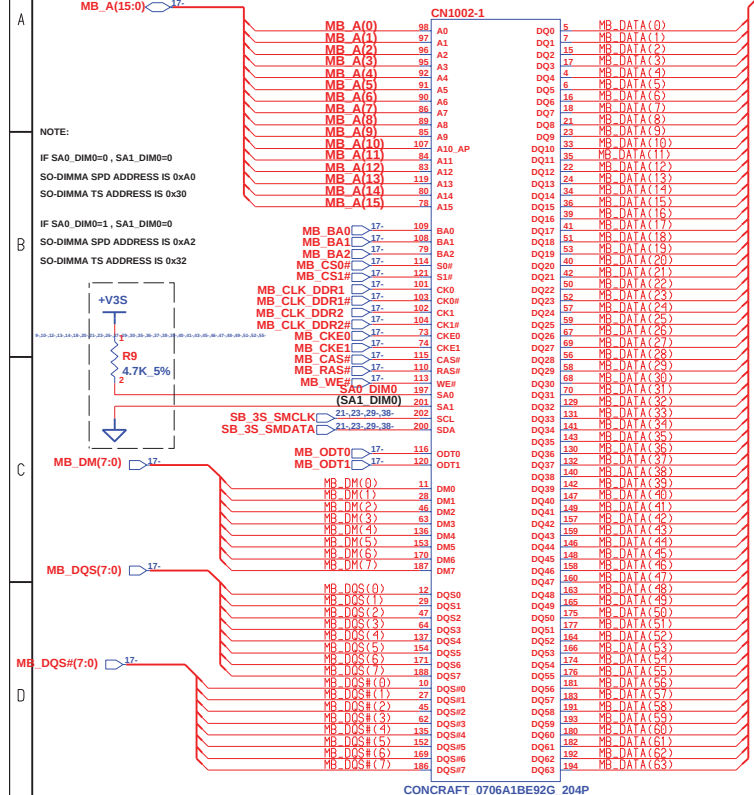




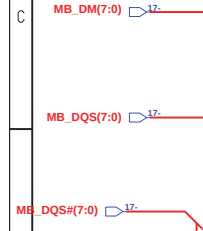
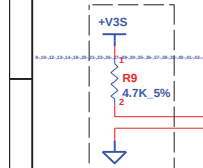
CHANGE by	<i>Drawer Name</i>	23-Dec-2009
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SO-DIMM1



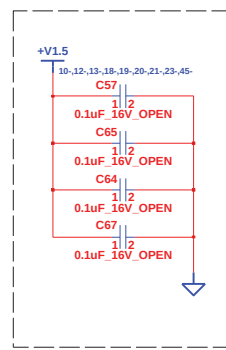
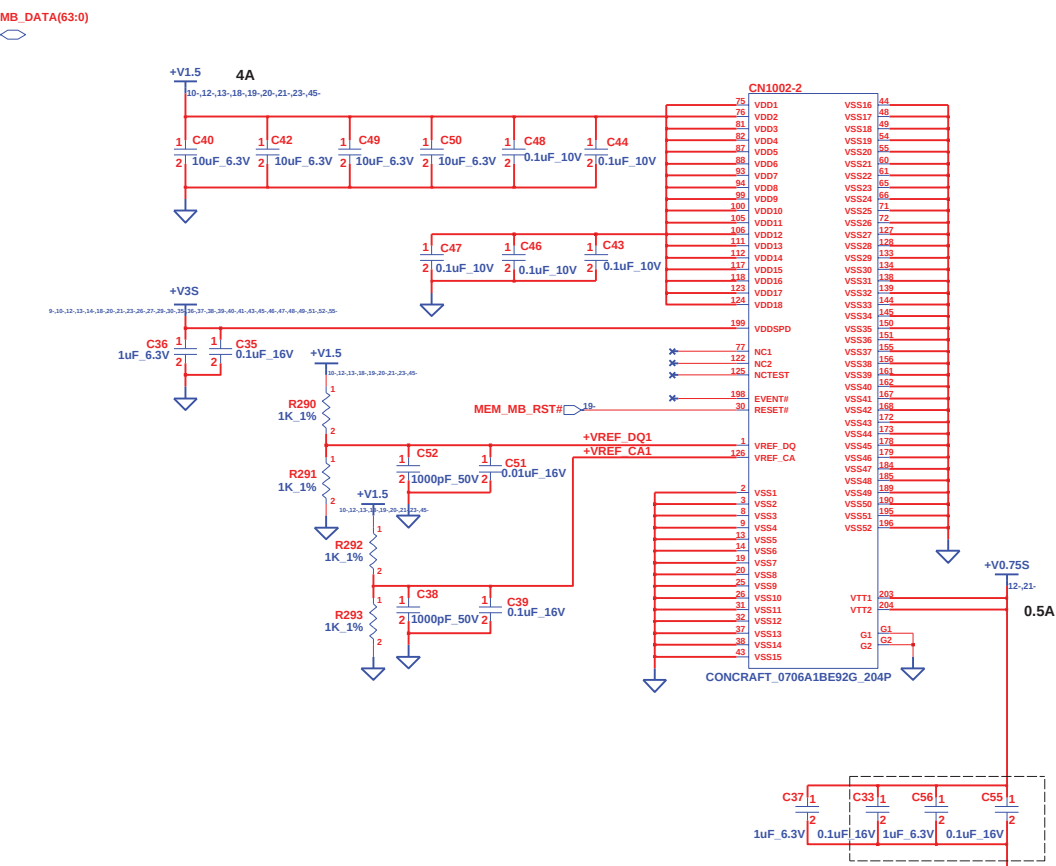
NOTE:
 IF SA0_DIM0=0, SA1_DIM0=0
 SO-DIMMA SPD ADDRESS IS 0xA0
 SO-DIMMA TS ADDRESS IS 0x30
 IF SA0_DIM0=1, SA1_DIM0=0
 SO-DIMMA SPD ADDRESS IS 0xA2
 SO-DIMMA TS ADDRESS IS 0x32



CONCRAFT_0706A1BE92G_204P

SODIMM

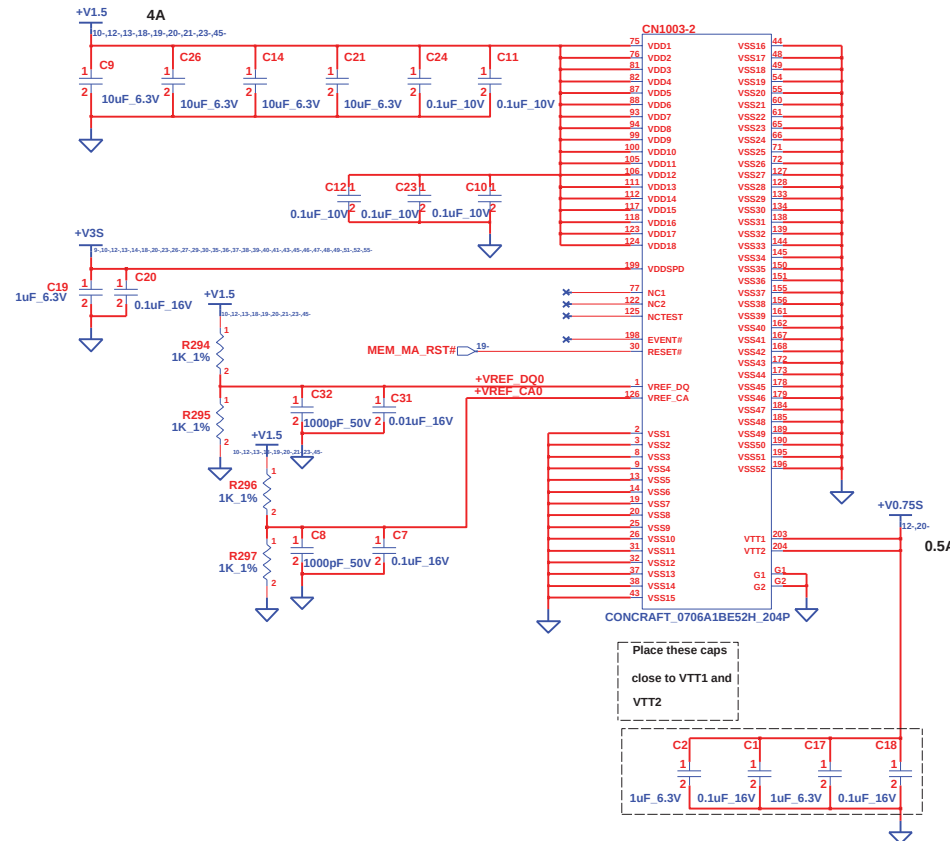
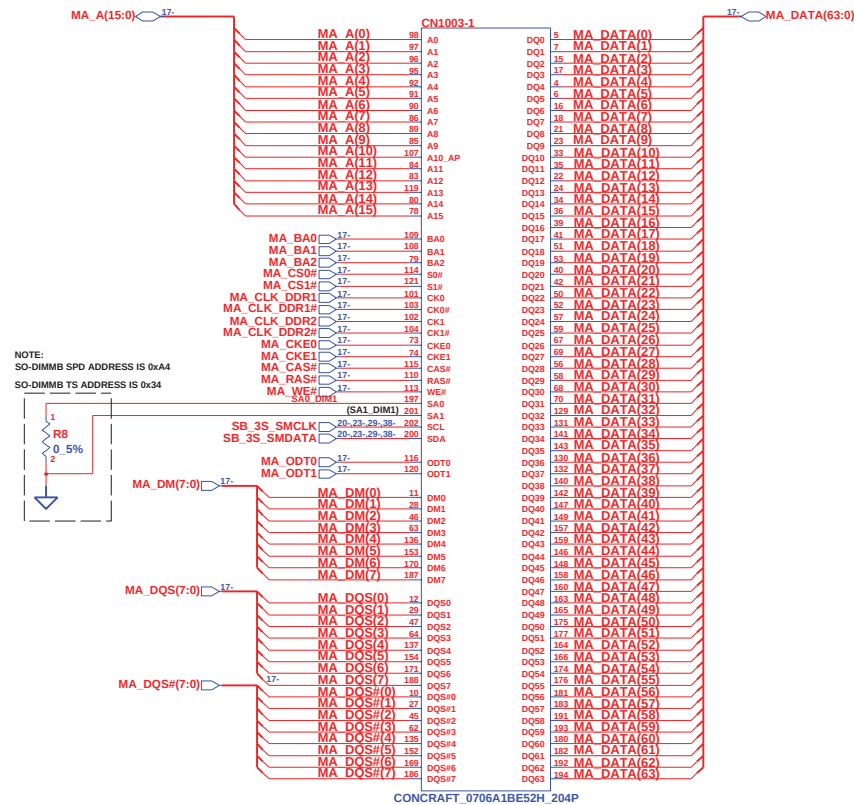
H = 9.2mm



Place these caps close to VTT1 and VTT2

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SIZE A3	CODE CS	DOC. NUMBER 1310A23470-0-MTRAX1	REV SHEET 20 OF 62

SO-DIMM0



SODIMM
H = 5.2mm

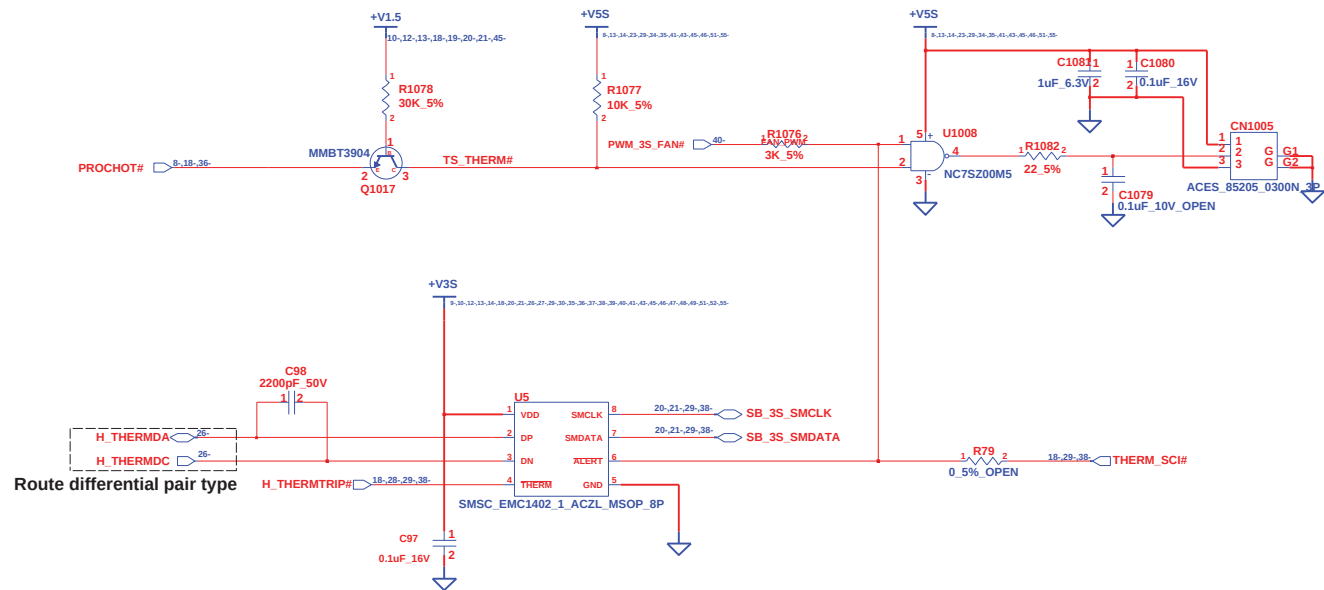
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DDR3 DIMM-1			
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CHANGE by *Drawn Name* 23-Dec-2009

	1	2	3	4	5	6	7	8	
A	Blank								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

INVENTEC			
TITLE VV10AD2-Valima <i>Blank</i>			
SIZE A3	CODE CS	DOC. NUMBER 1310A23470-0-MTRAXI	REV
SHEET 22		OF 62	

CHANGE by	<i>Drawn Name</i>	23-Dec-2009
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LAYOUT Note: Put the thermal sensor close to CPU.

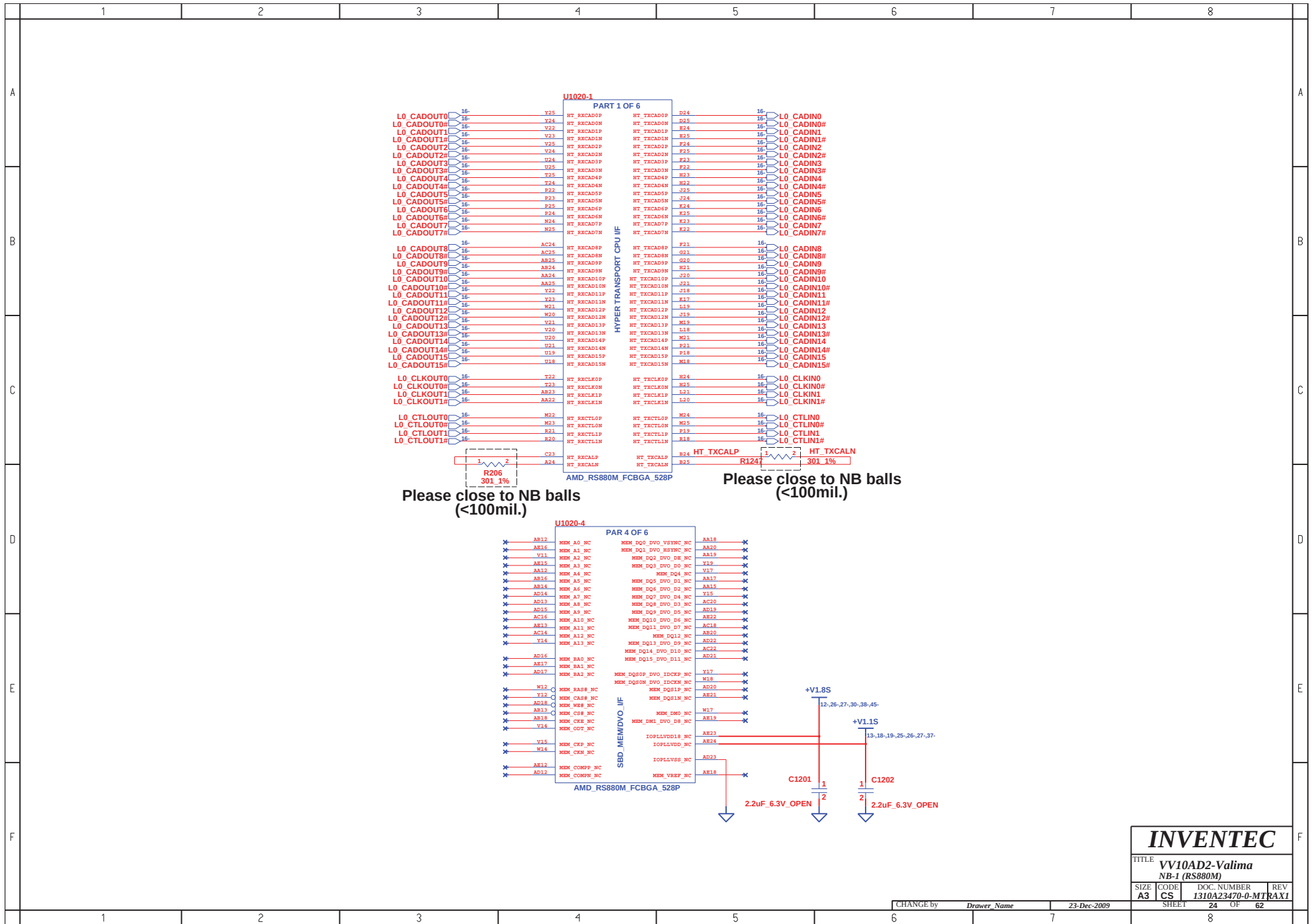
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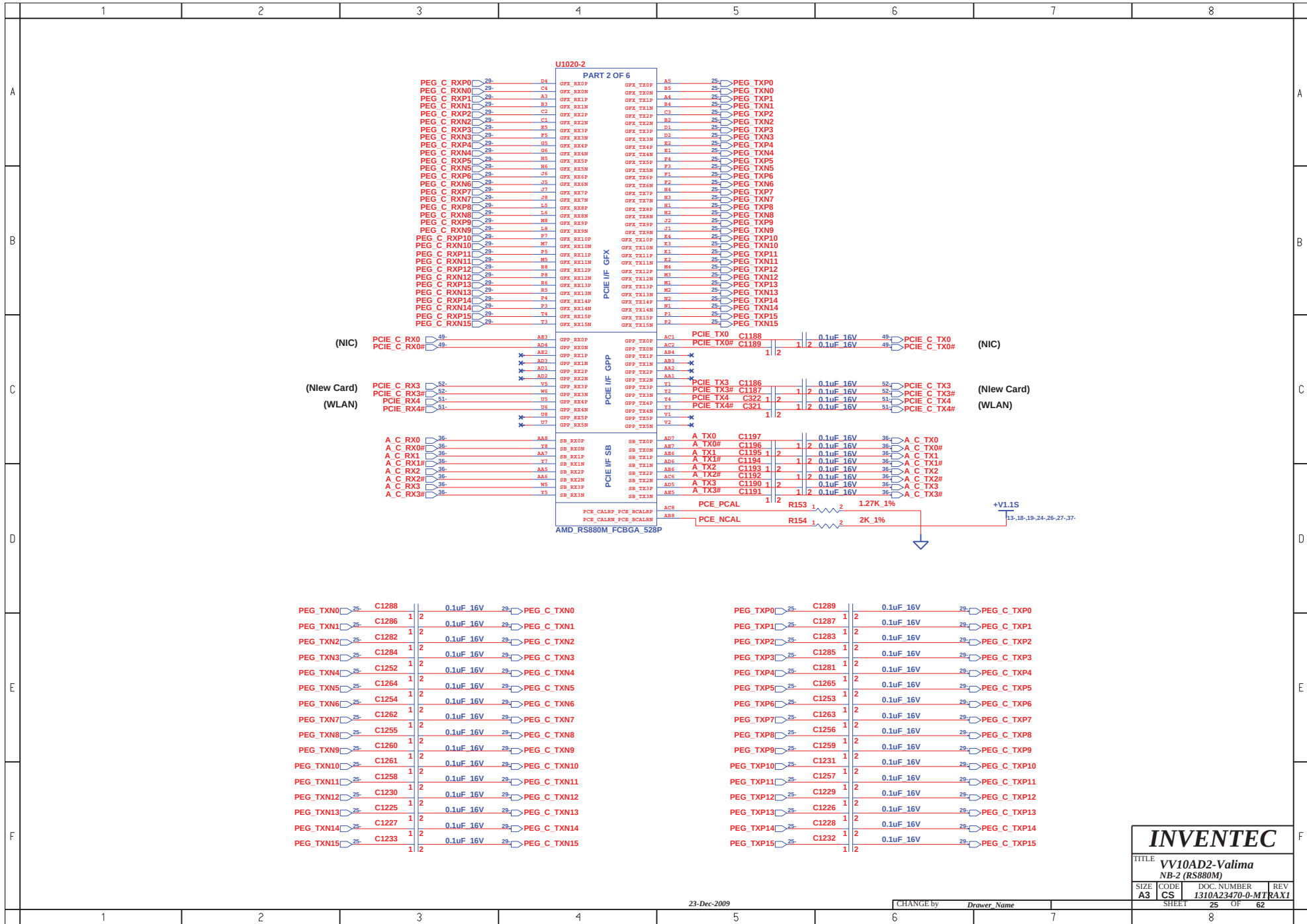
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THERMAL & FAN CONTROLLER

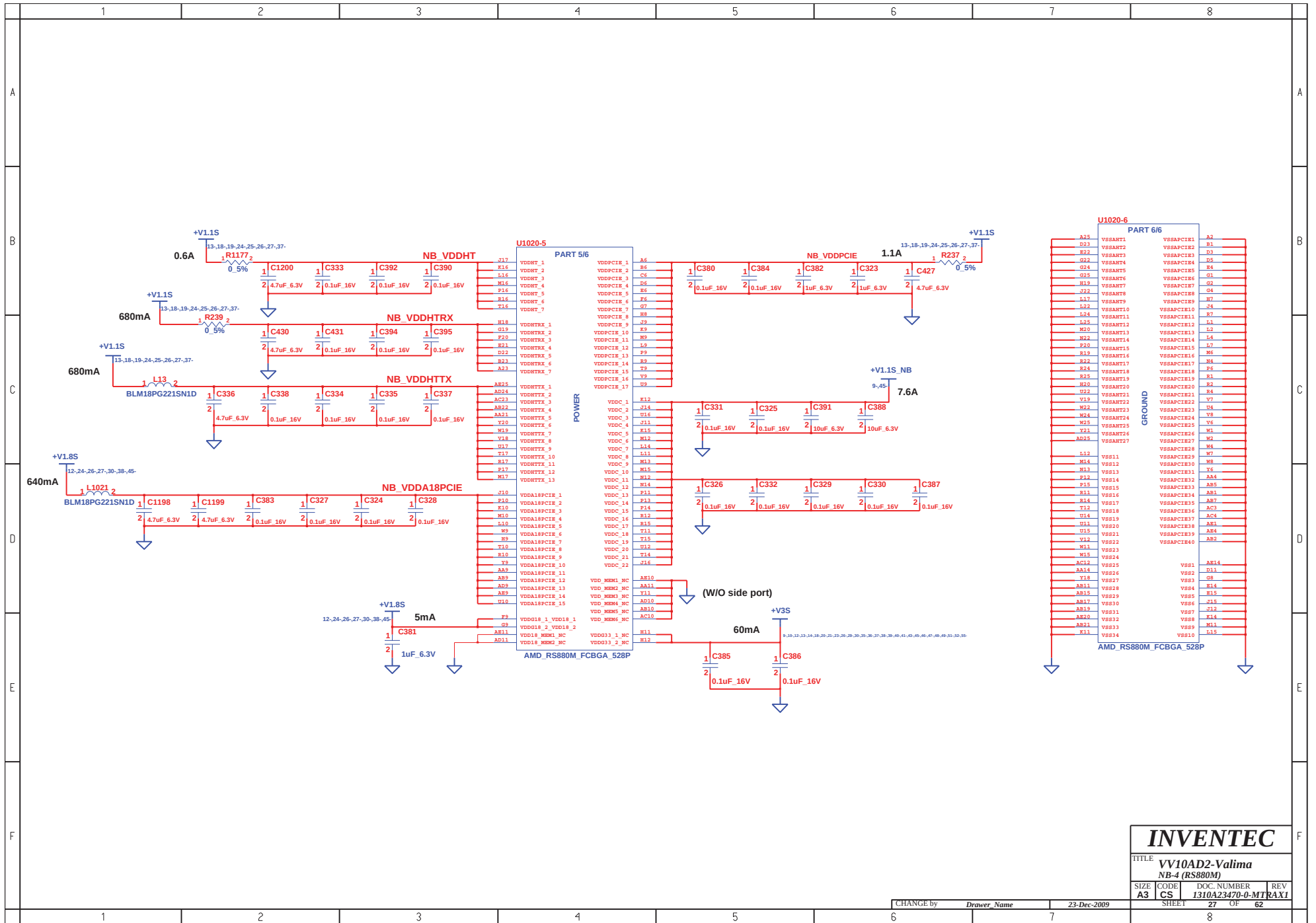
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CHANGE by *Drawn Name* 23-Dec-2009

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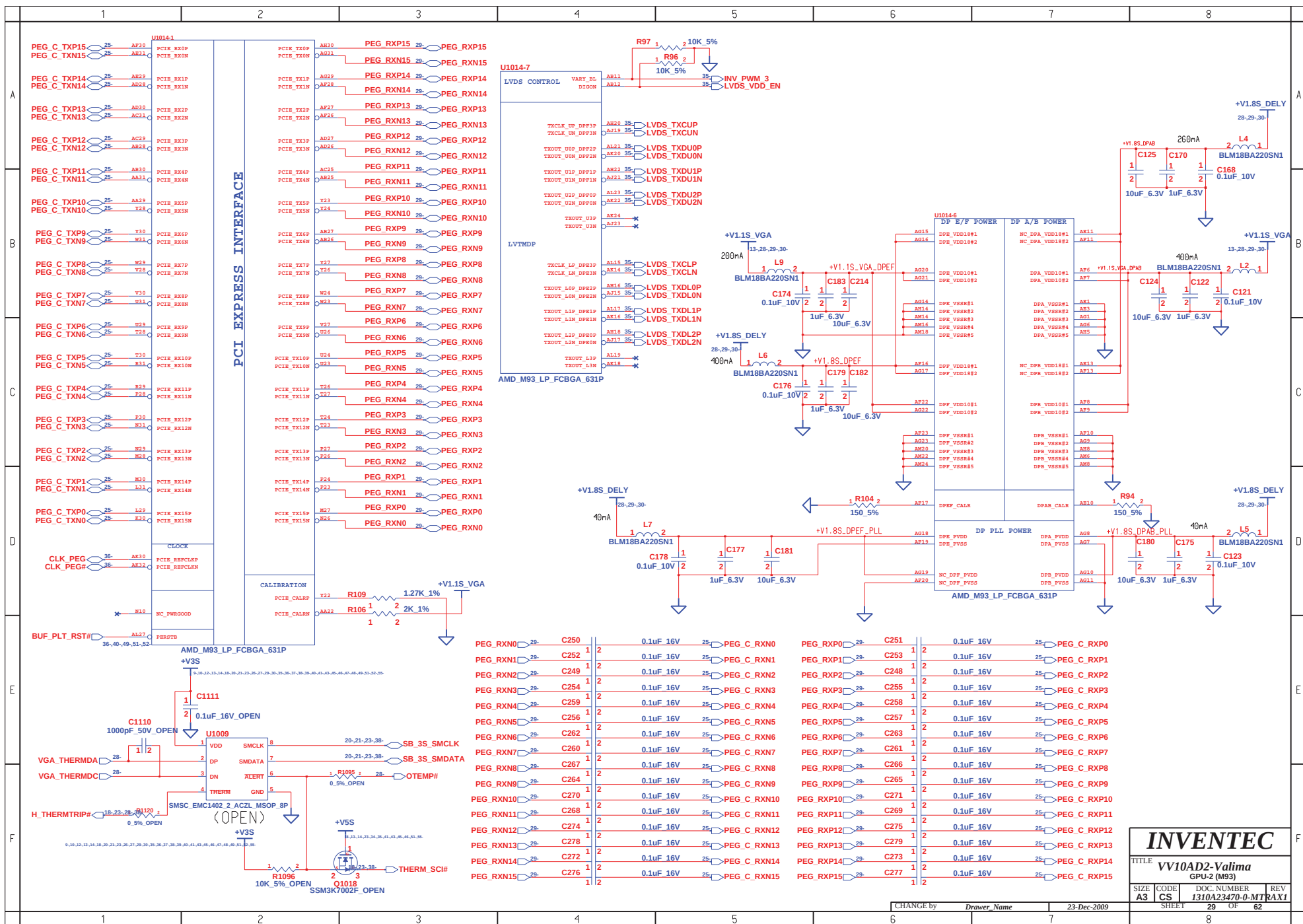


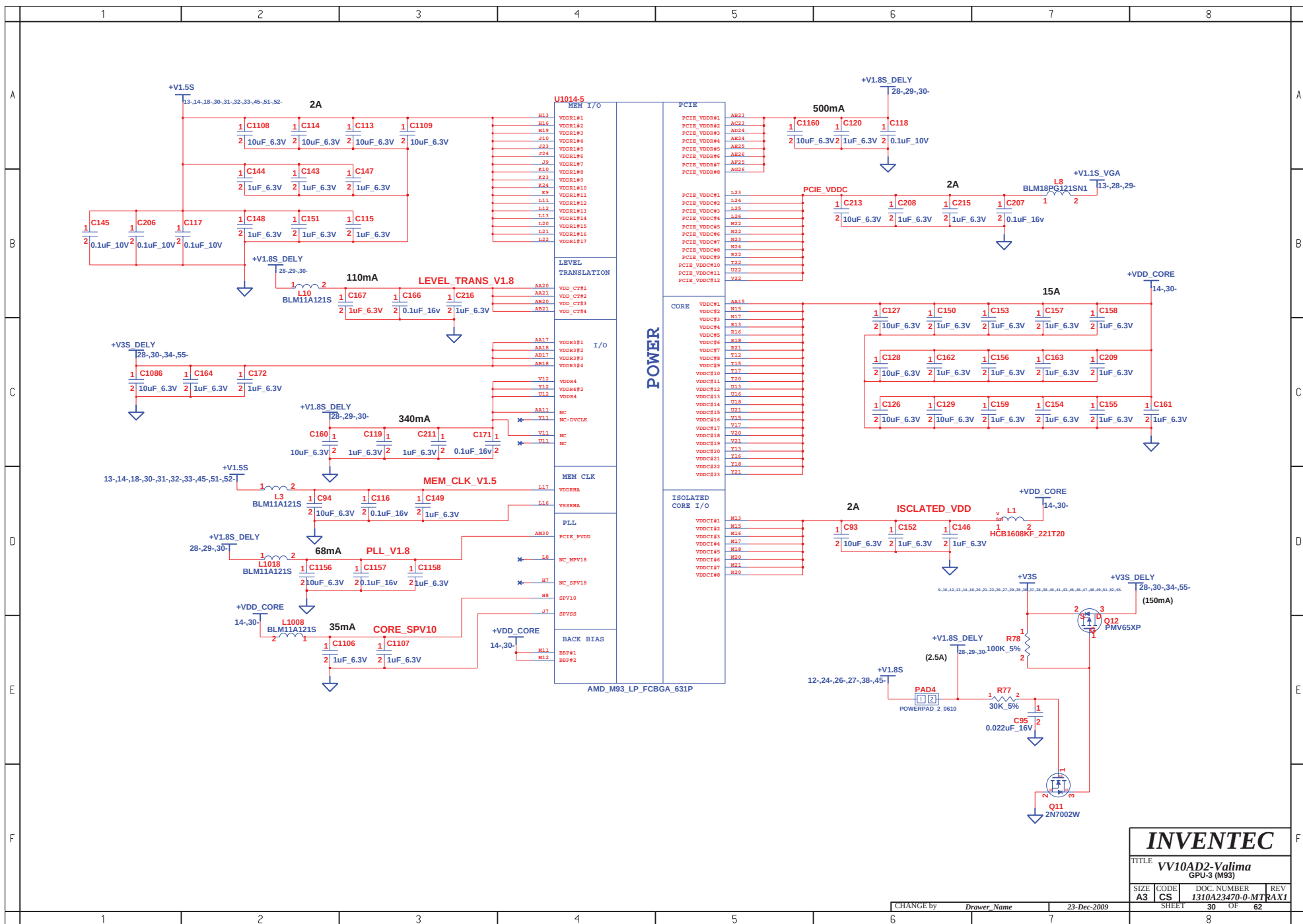
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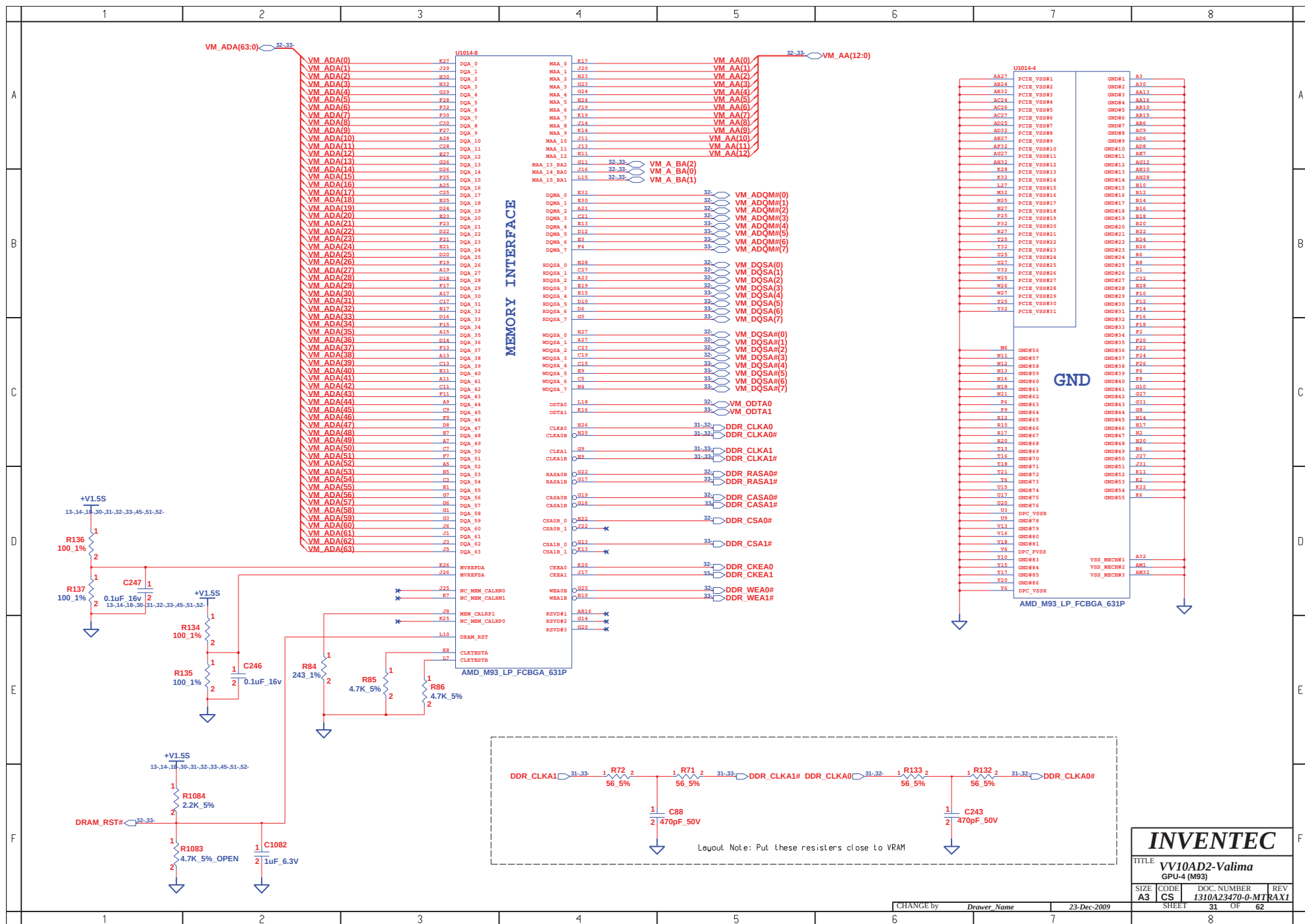
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VV10AD2-Valima			
NB-4 (RS880M)			
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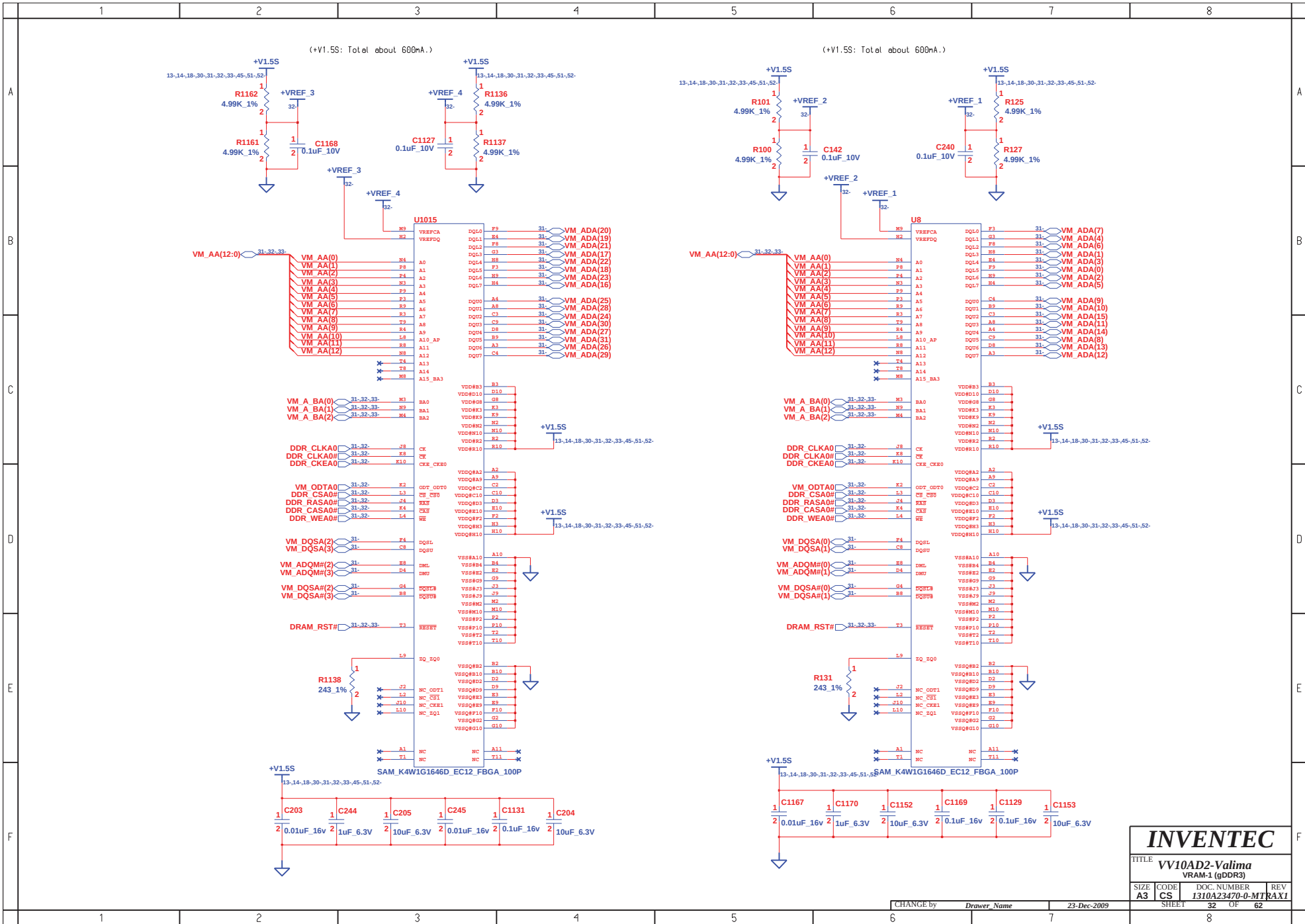
CHANGE by Drafter Name 23-Dec-2009

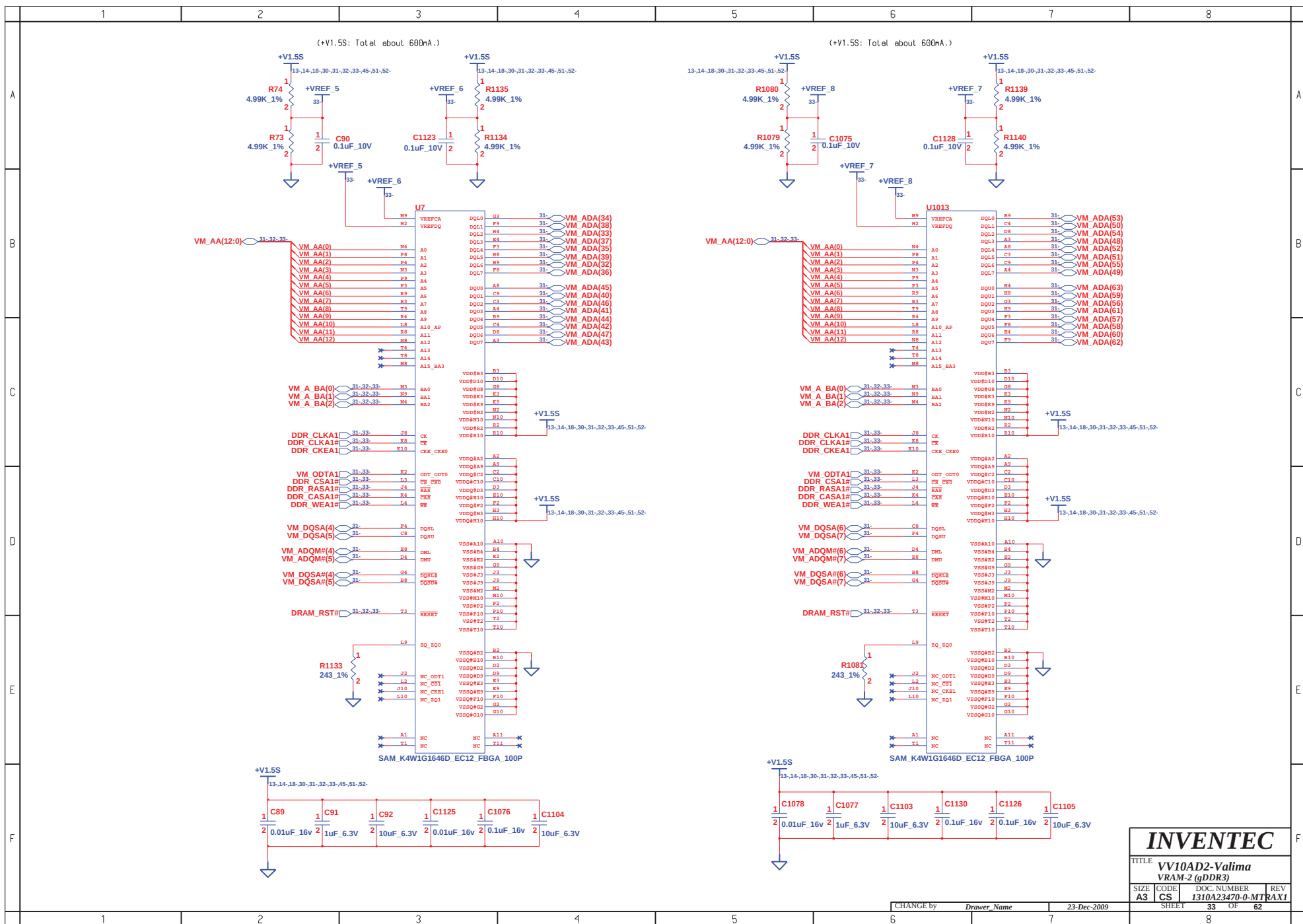
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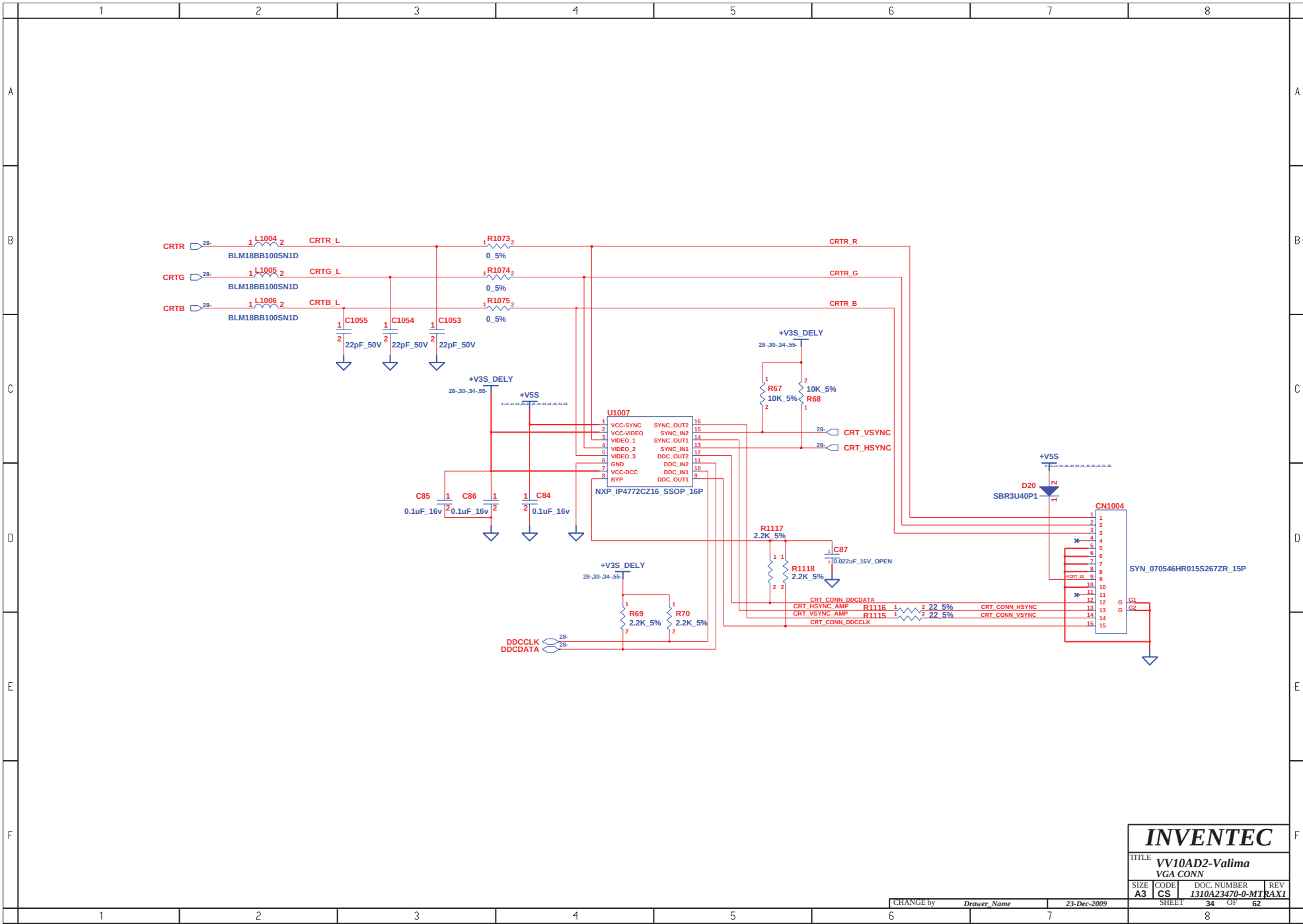






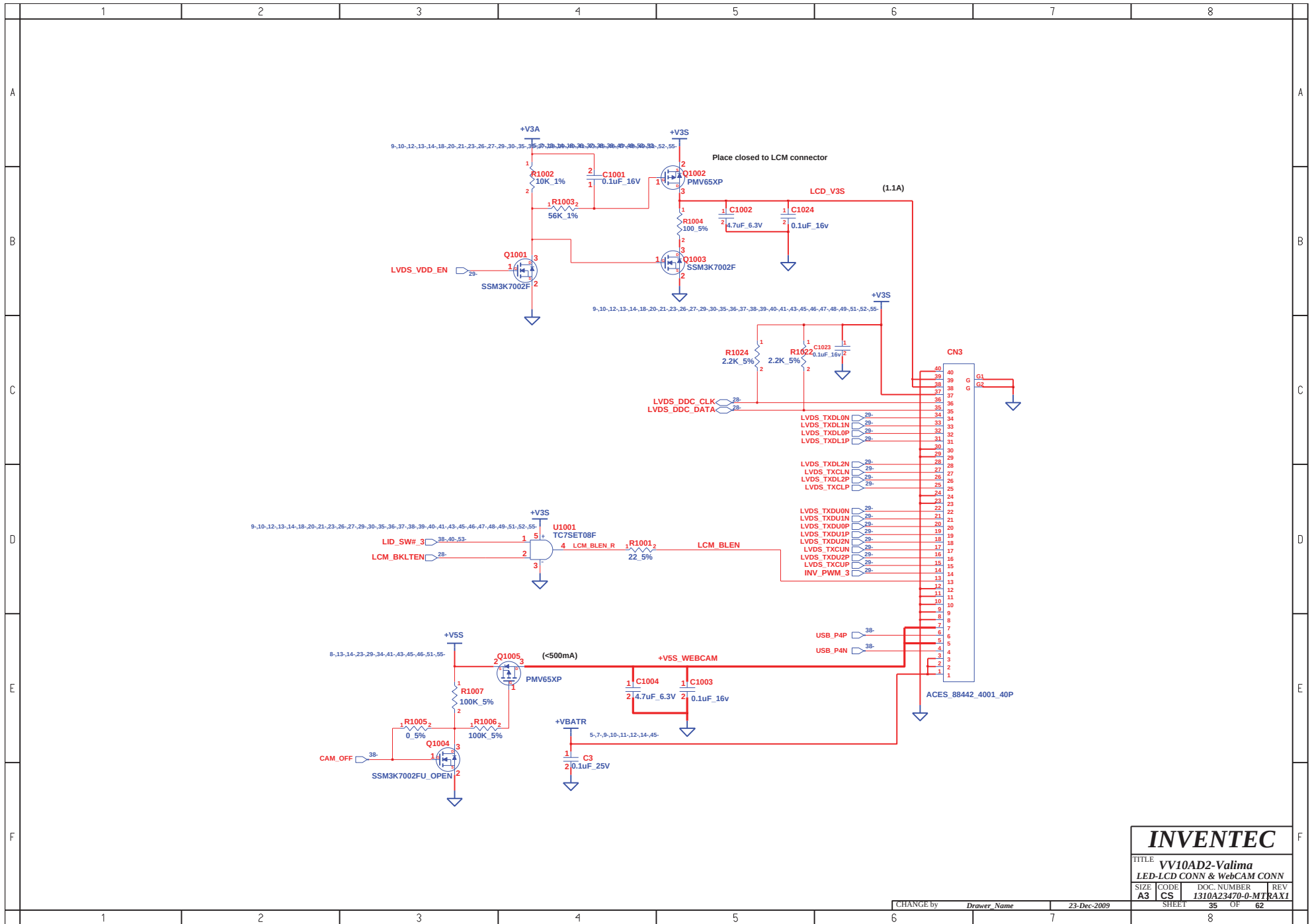


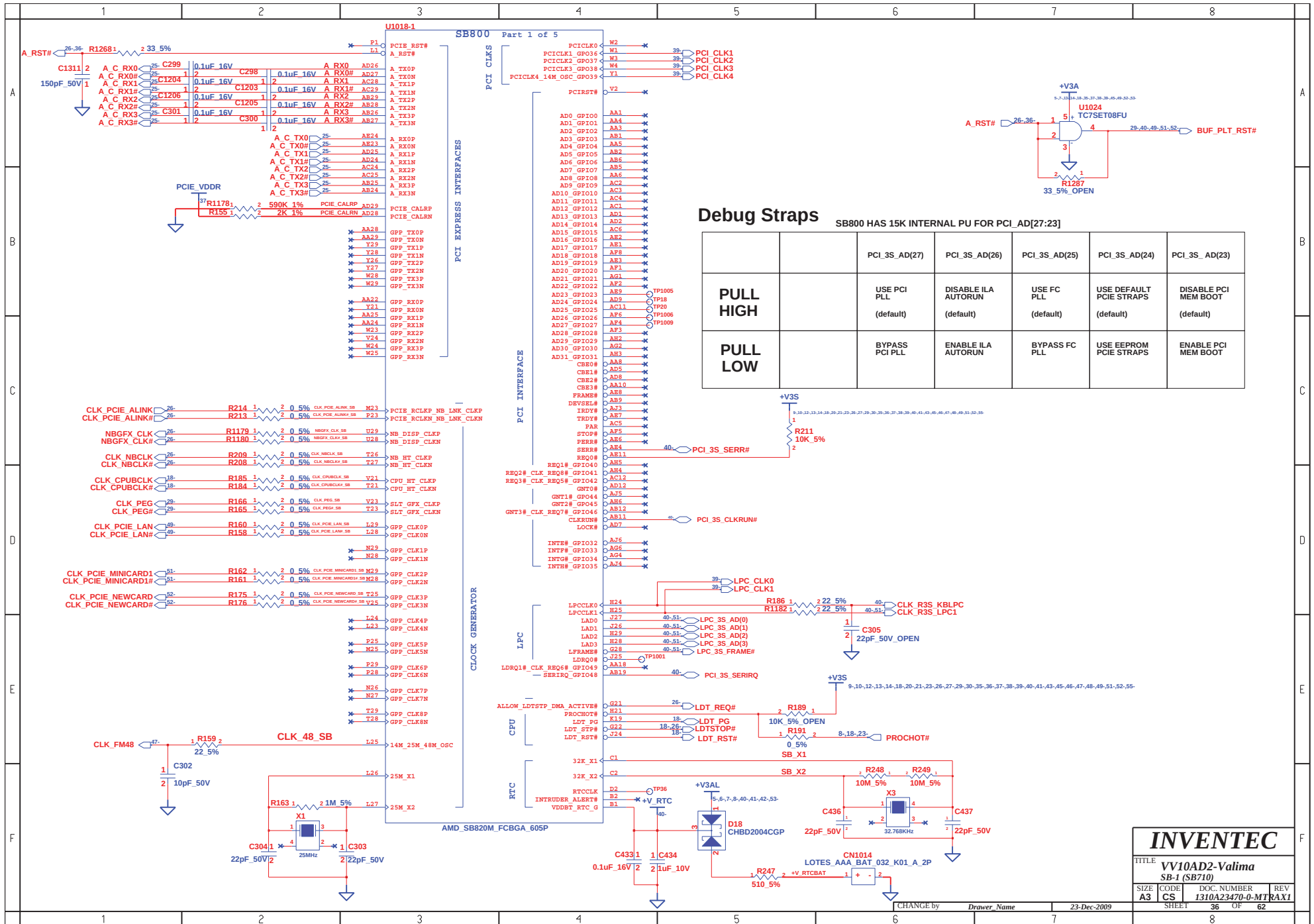


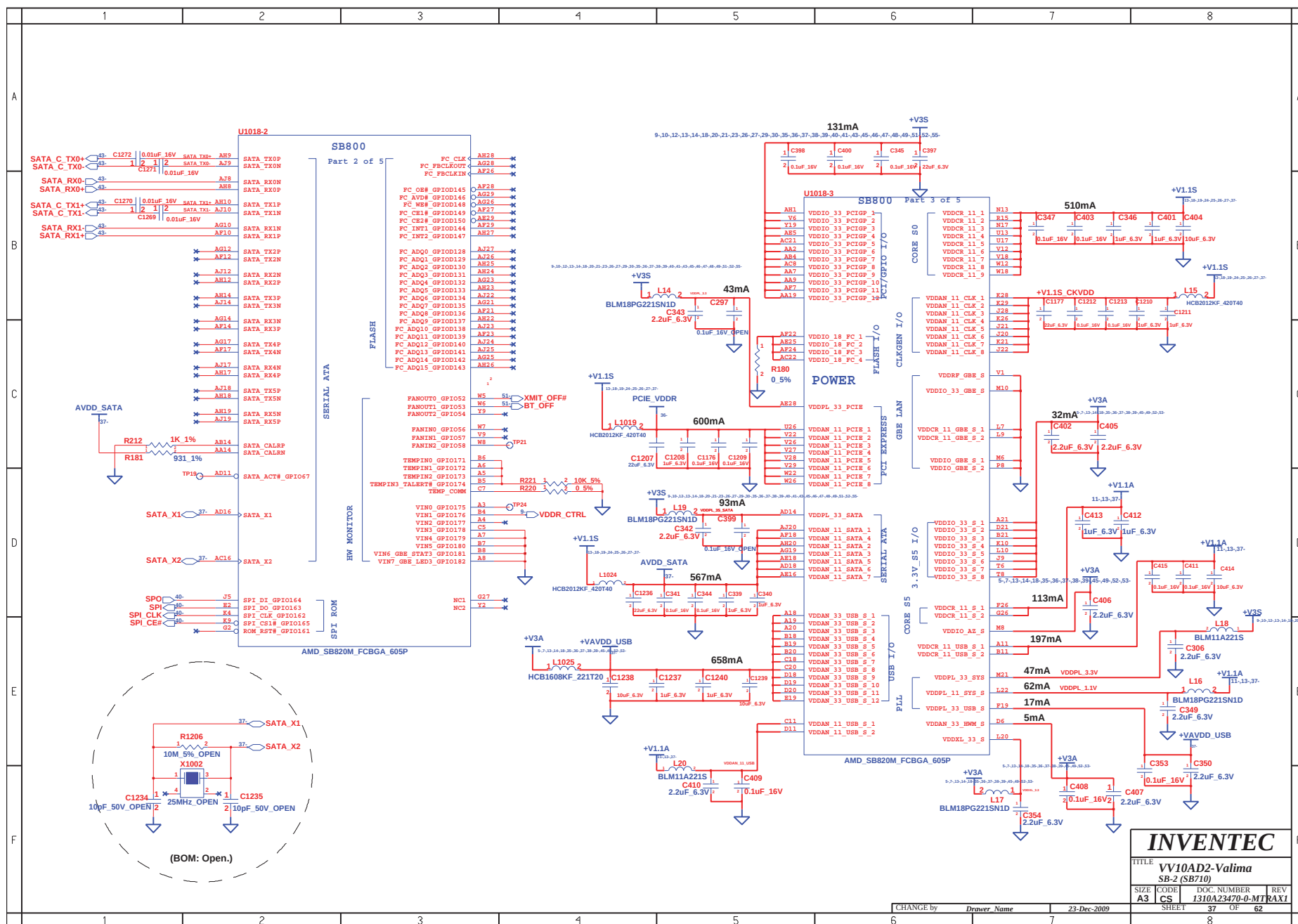


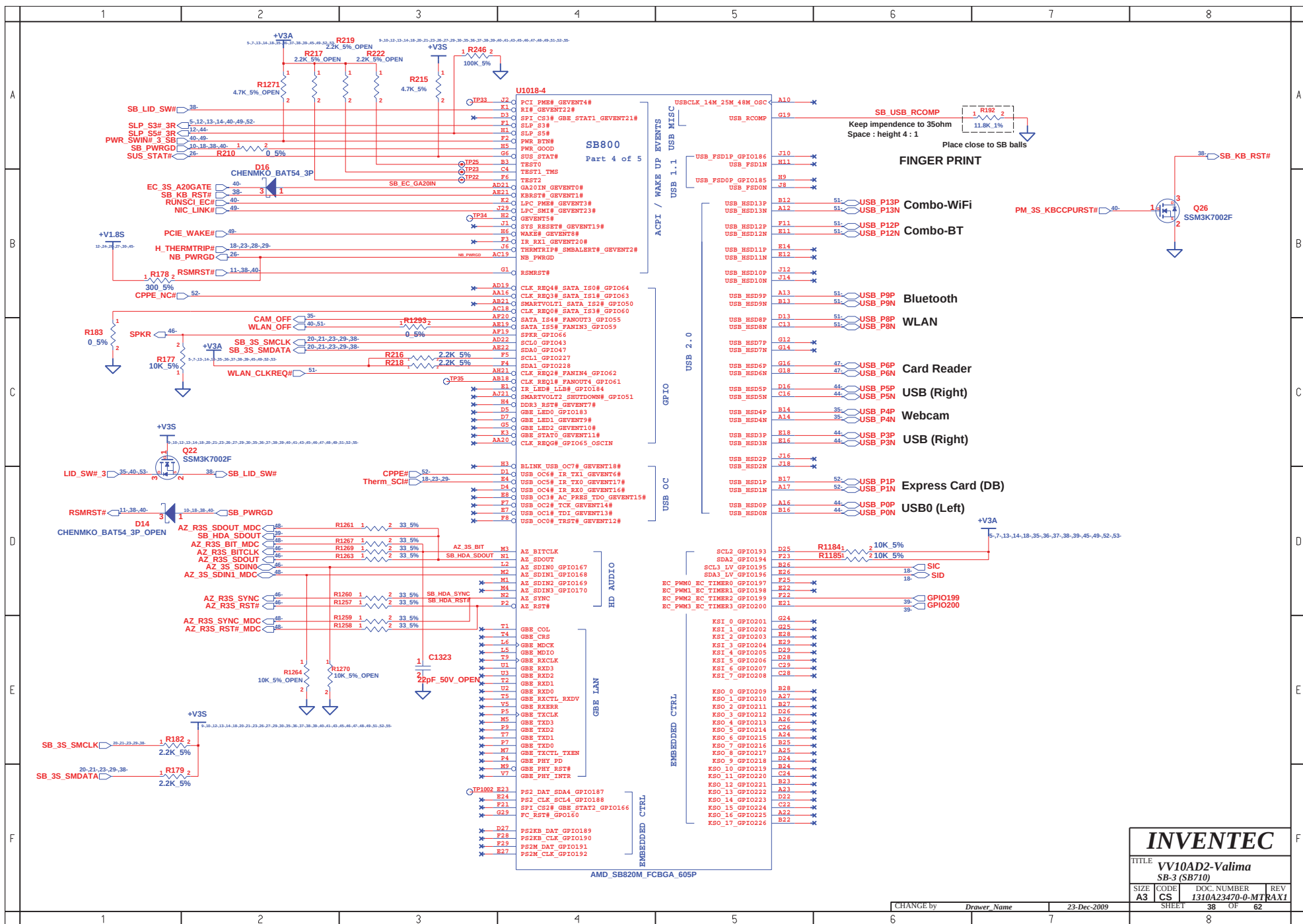
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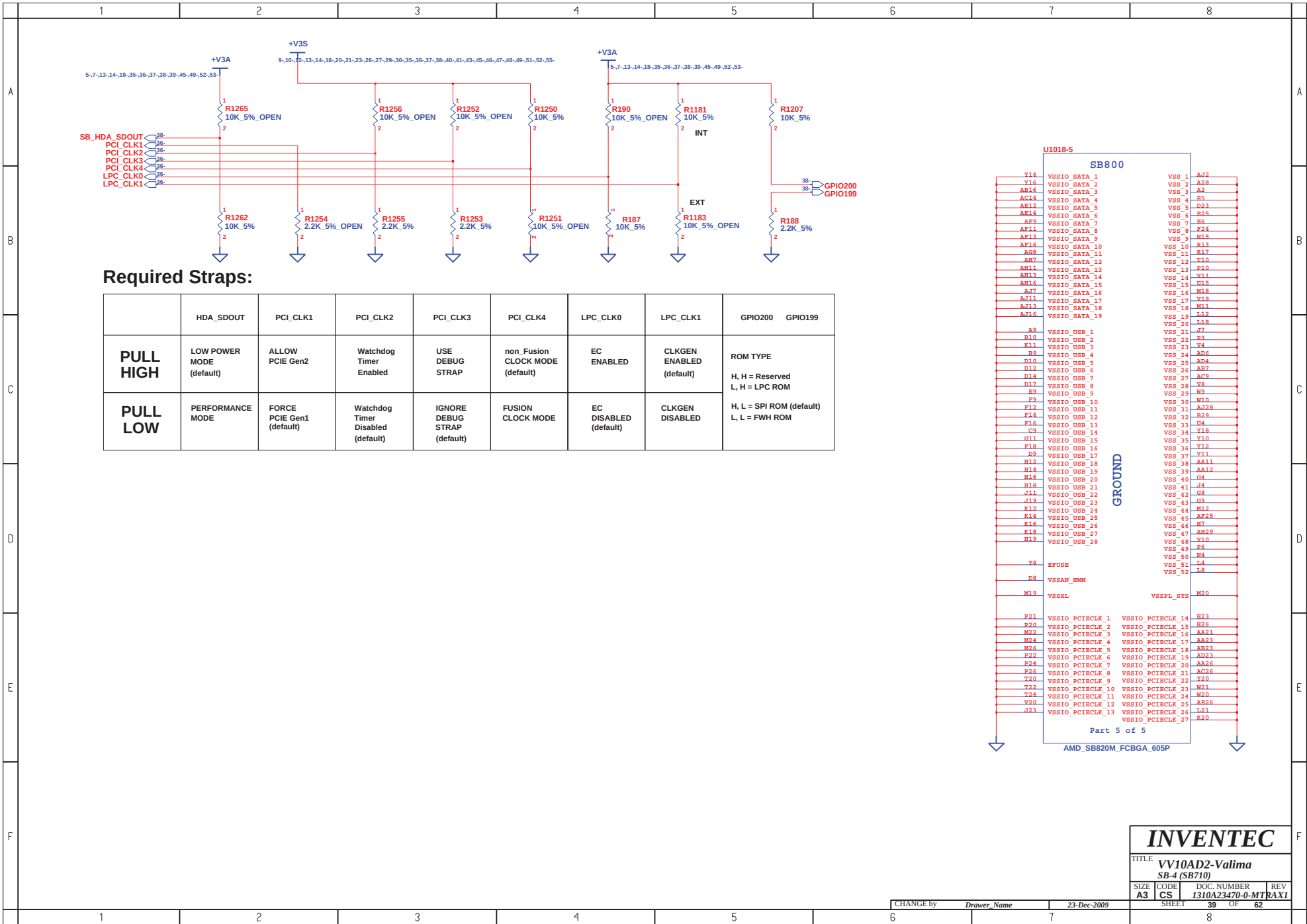
CHANGE by *Drawn Name* 23-Dec-2009











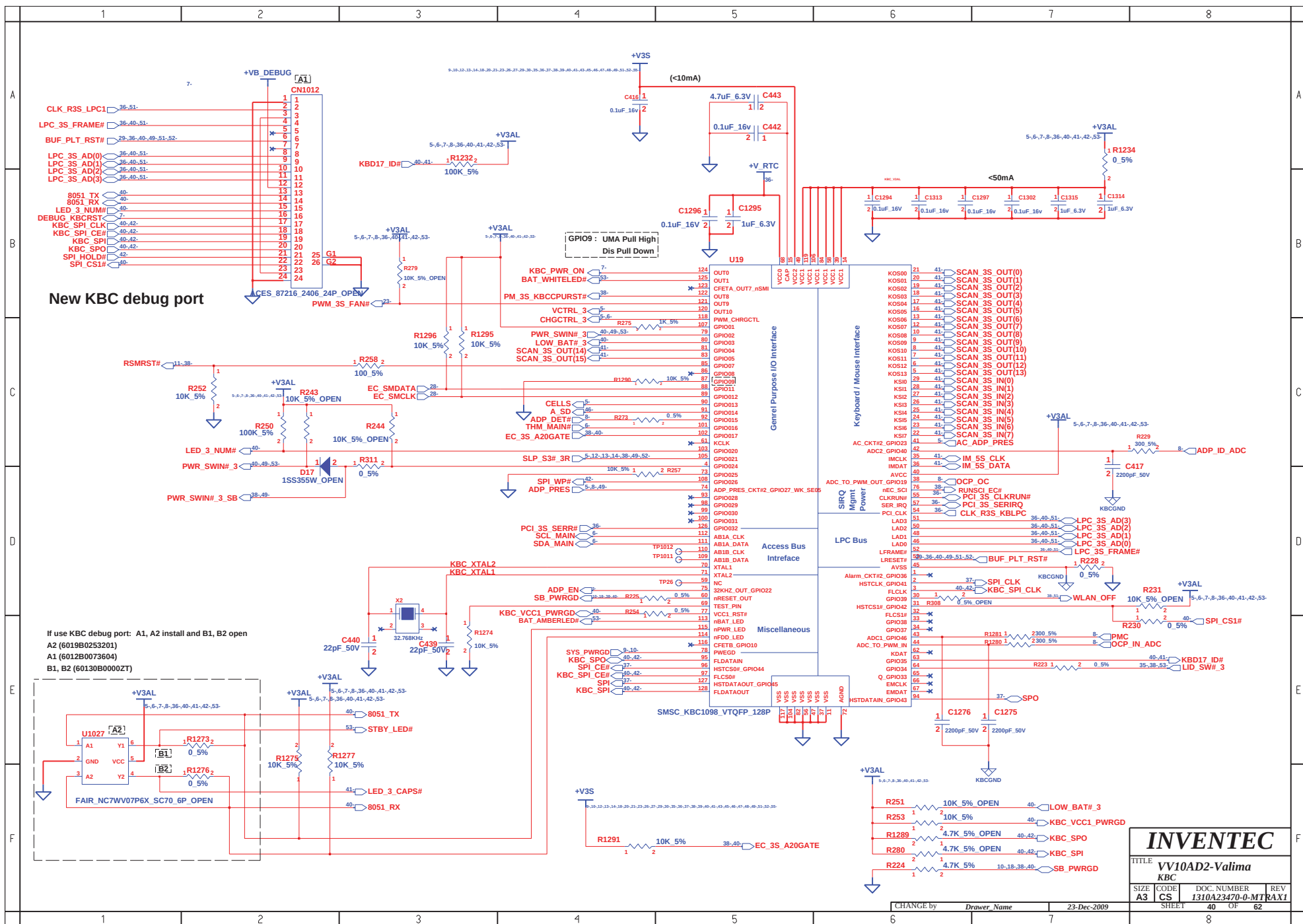
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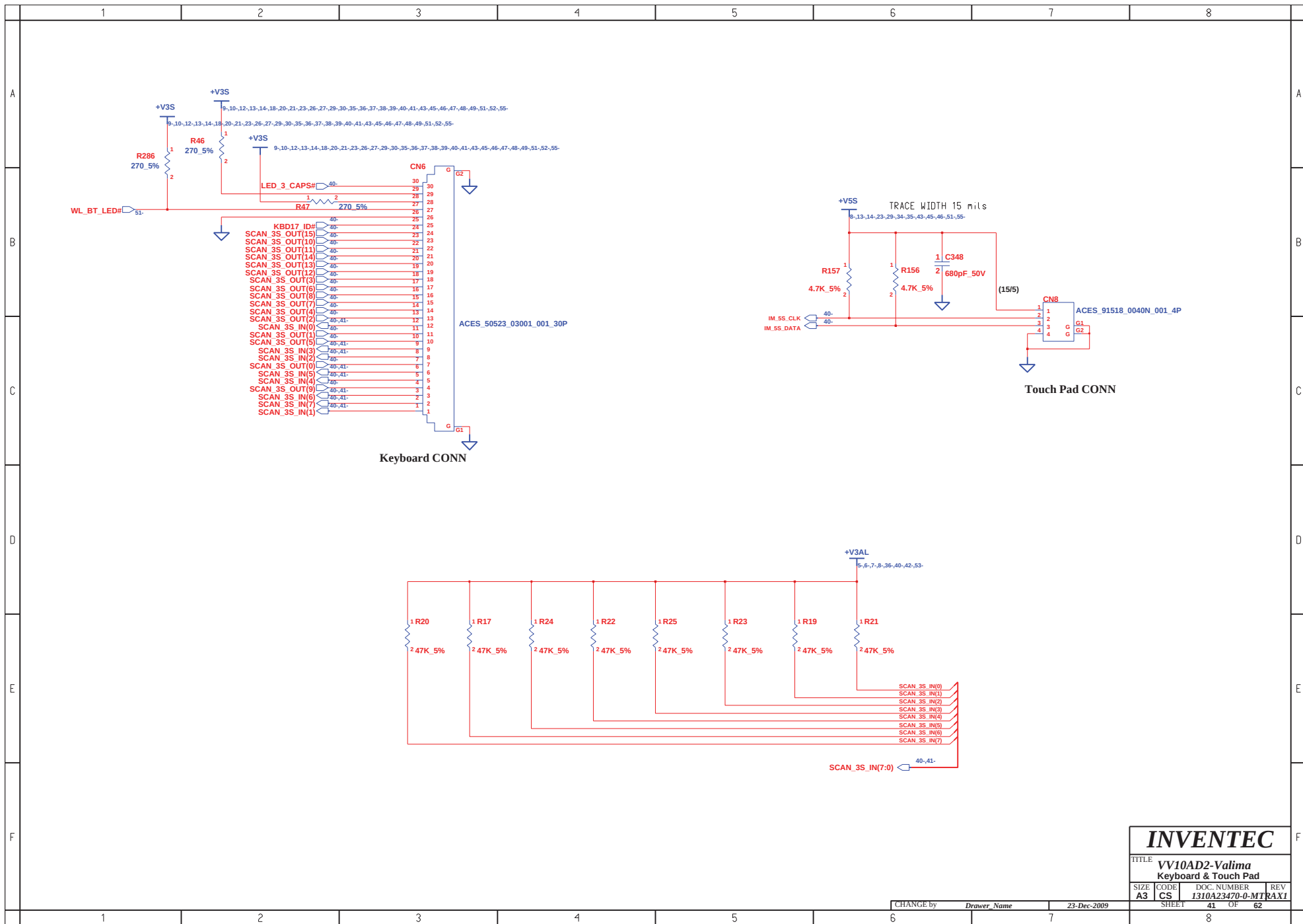
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VV10AD2-Valima
SB-4 (SB710)

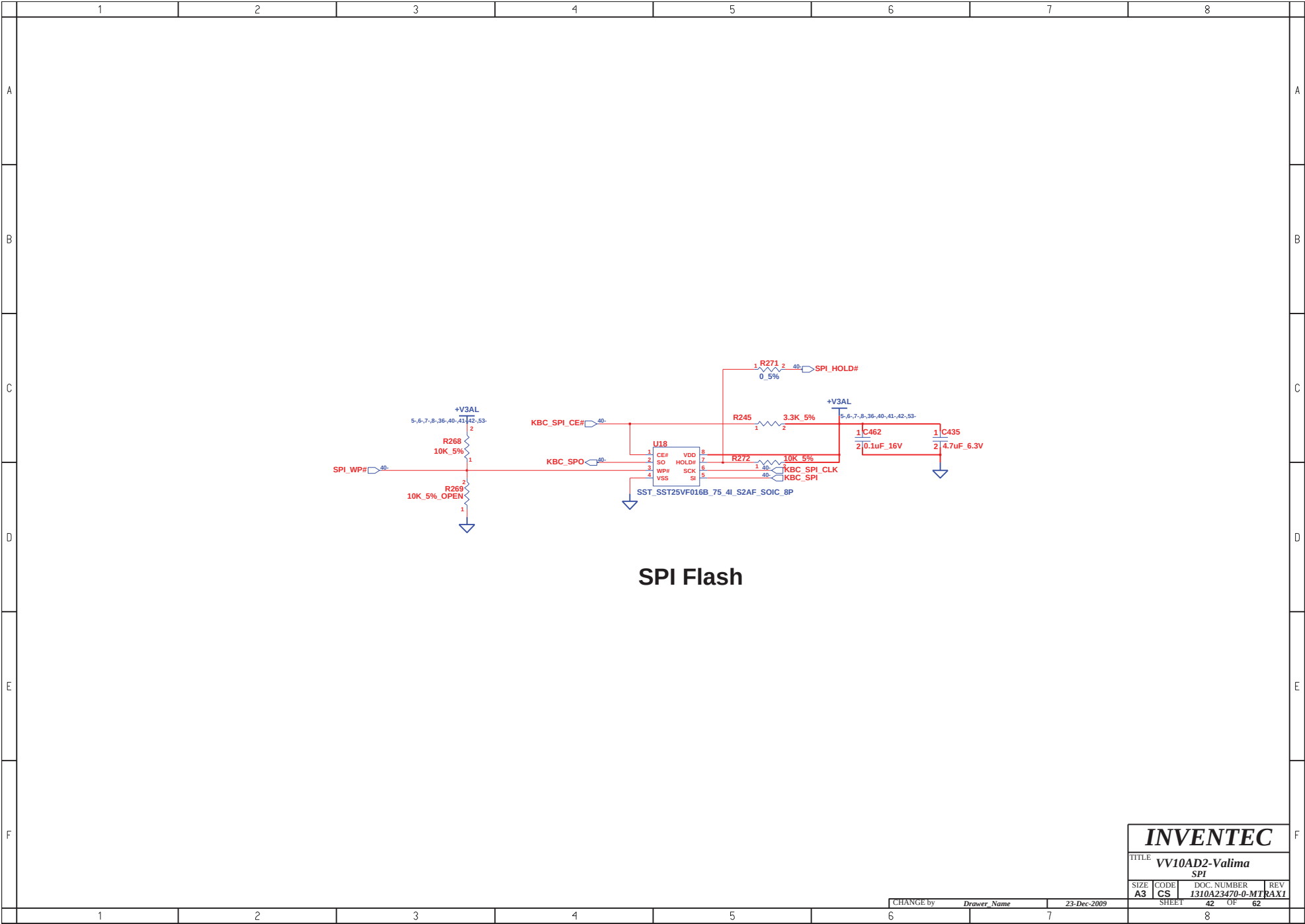
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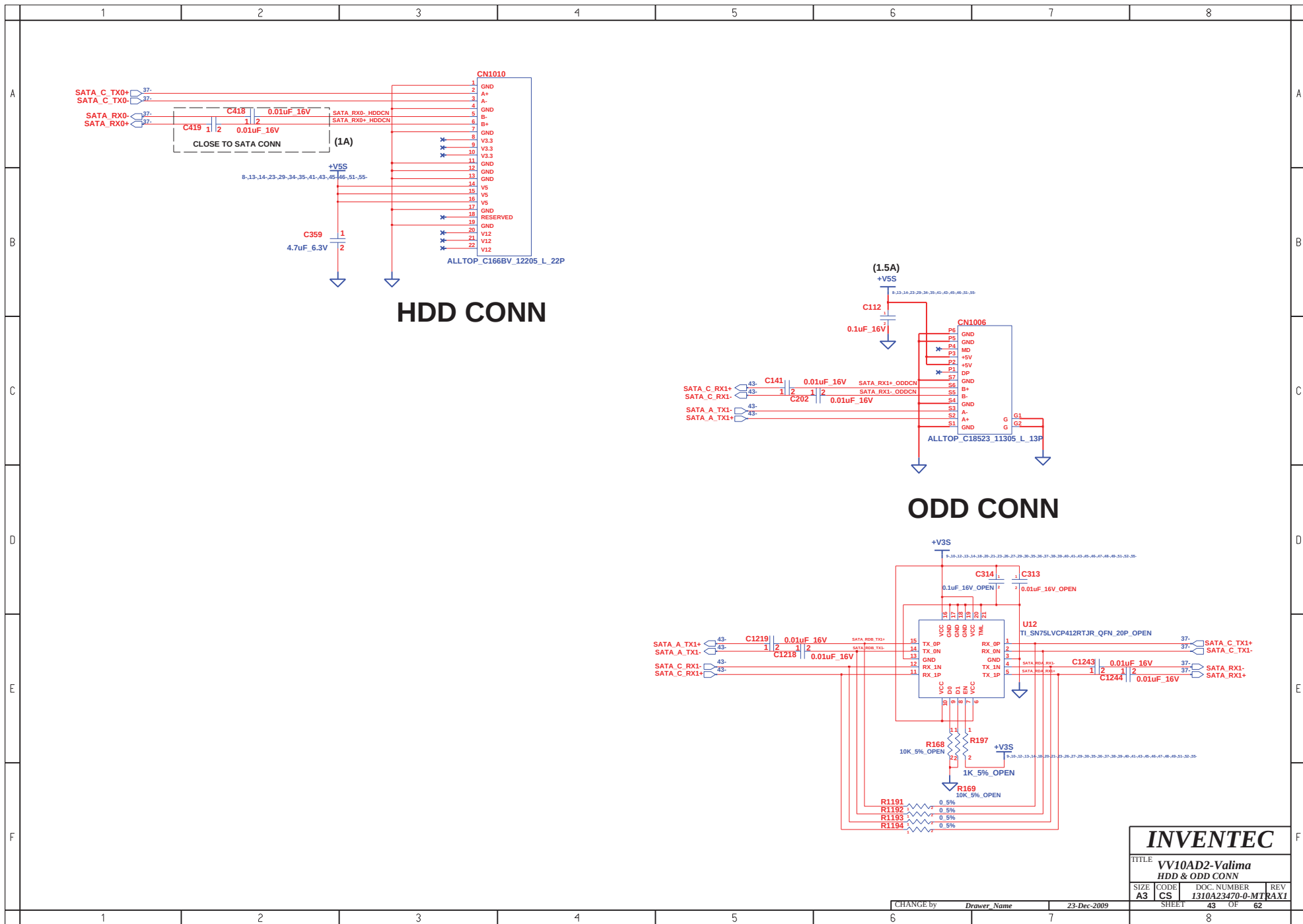
CHANGE by *Drawser Name* 23-Dec-2009

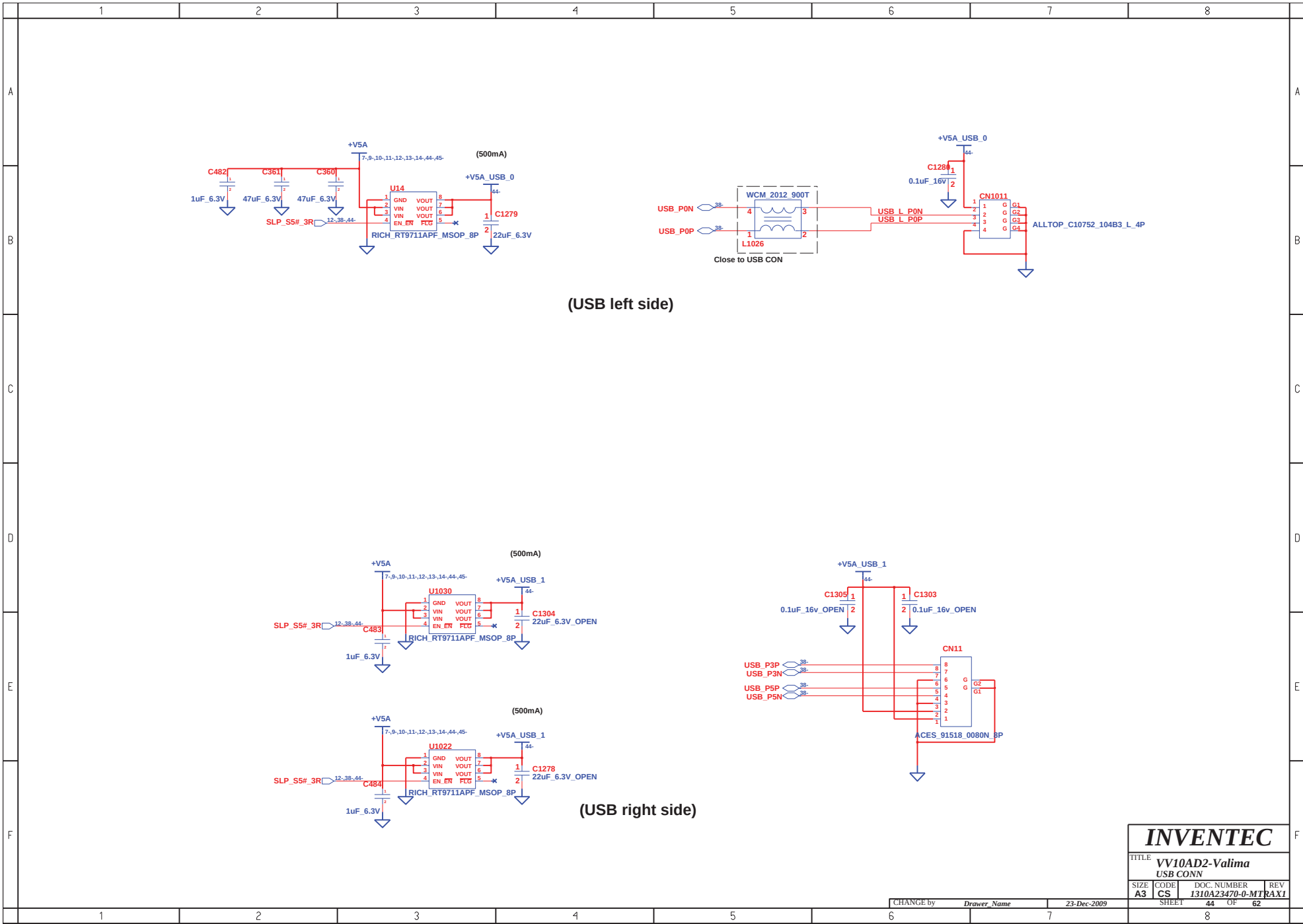
SHEET 39 OF 62











(USB left side)

(USB right side)

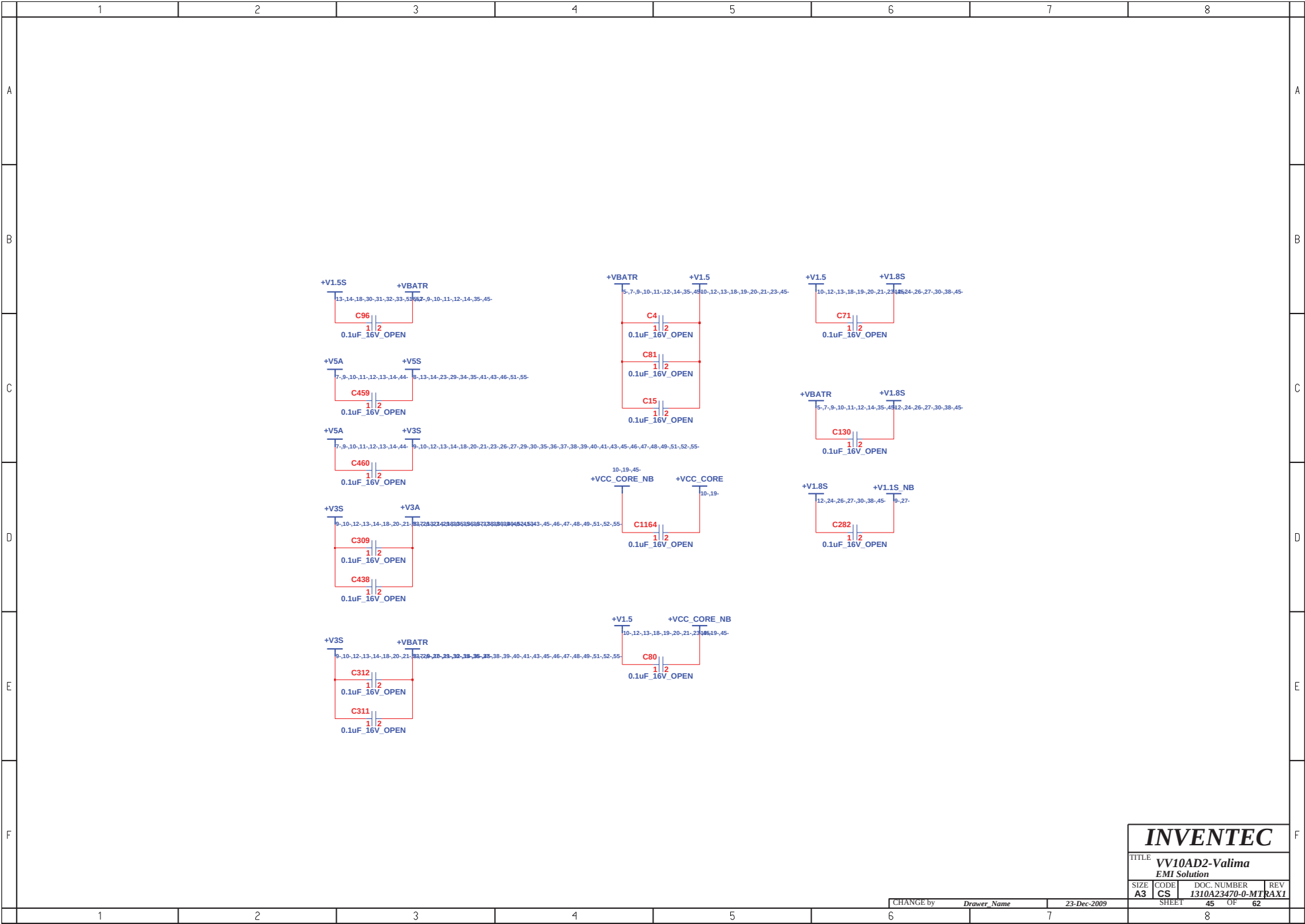
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TITLE
VV10AD2-Valima
USB CONN

SIZE	CODE	DOC. NUMBER	REV
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CHANGE by *Drawn Name* 23-Dec-2009

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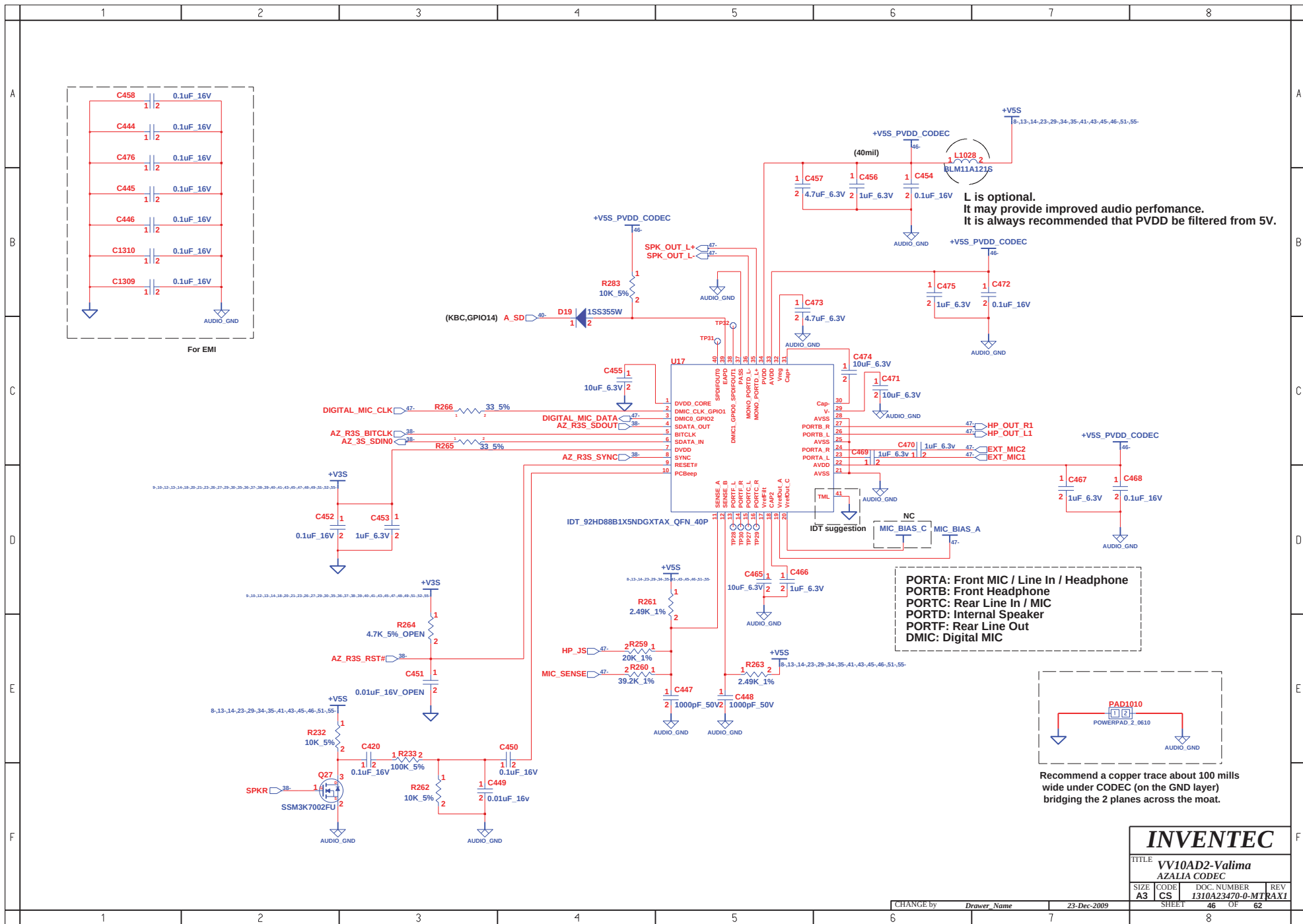
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EMI Solution

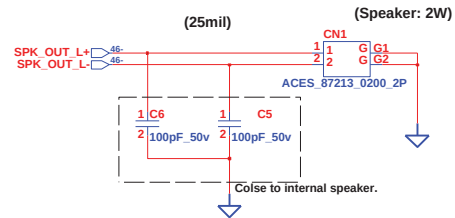
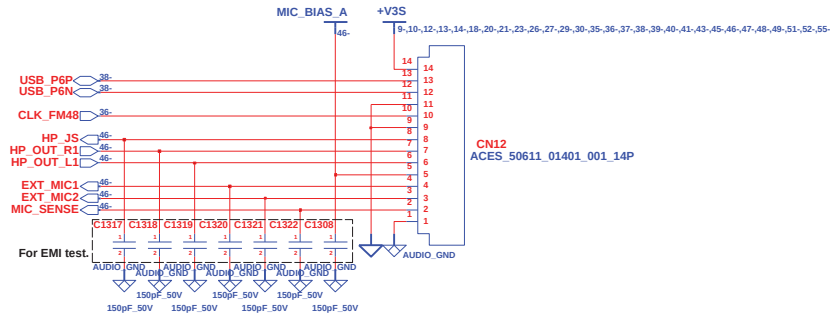
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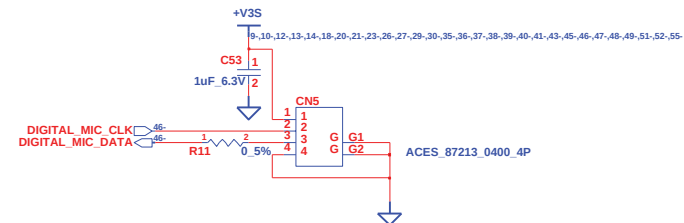
CHANGE by *Drawer Name* 23-Dec-2009



Audio & Card Reader B2B CONN (M/B side)

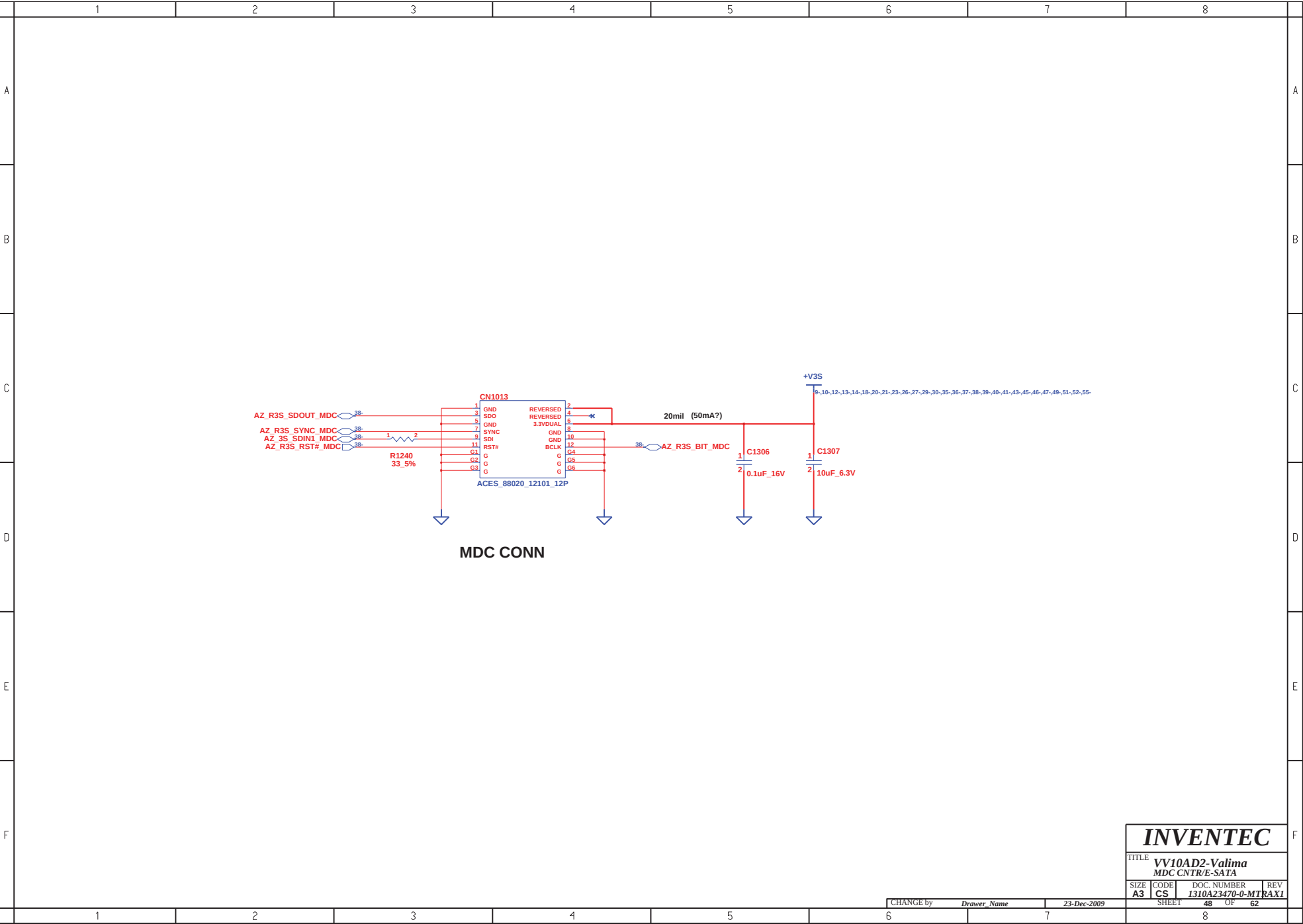


Internal Speaker



Internal MIC (digital)

INVENTEC			
TITLE VV10AD2-Valima			
Internal Speaker & MIC & Audio B2B CONN			
SIZE A3	CODE CS	DOC. NUMBER 1310A23470-0-MT	REV RAXI
CHANGE by		23-Dec-2009	
Drawer Name			
SHEET 47		OF 62	



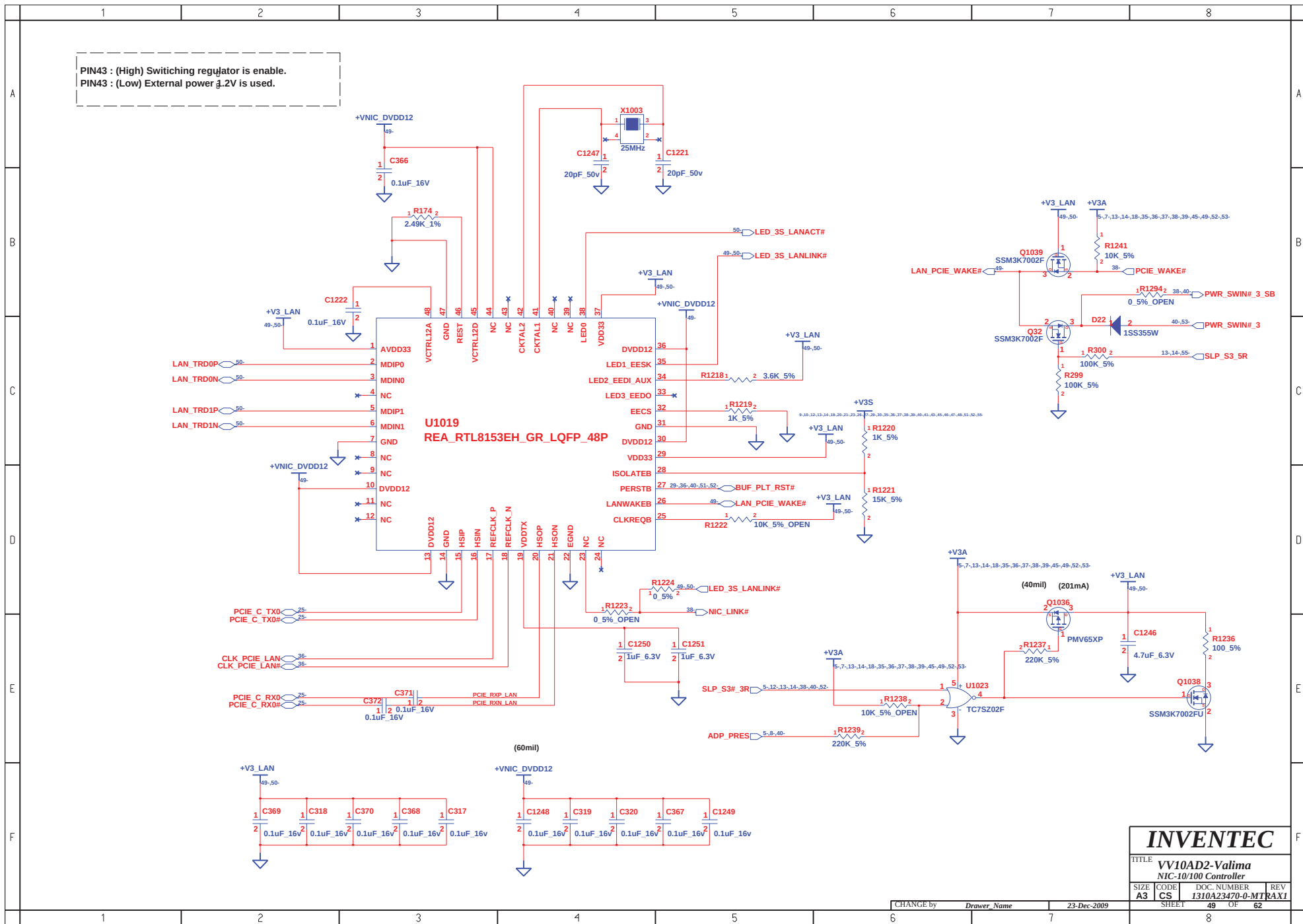
INVENTEC

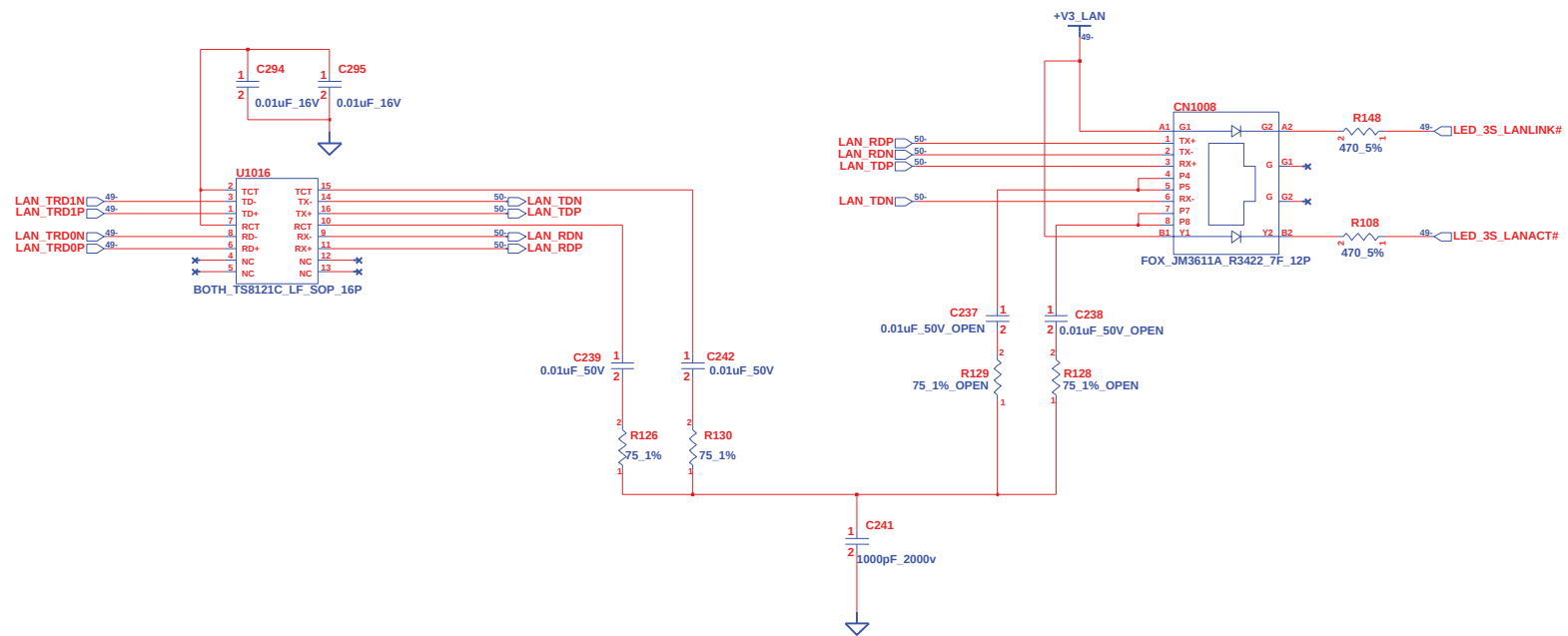
TITLE **VV10AD2-Valima**
MDC CNTR/E-SATA

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23470-0-MTRAXI	

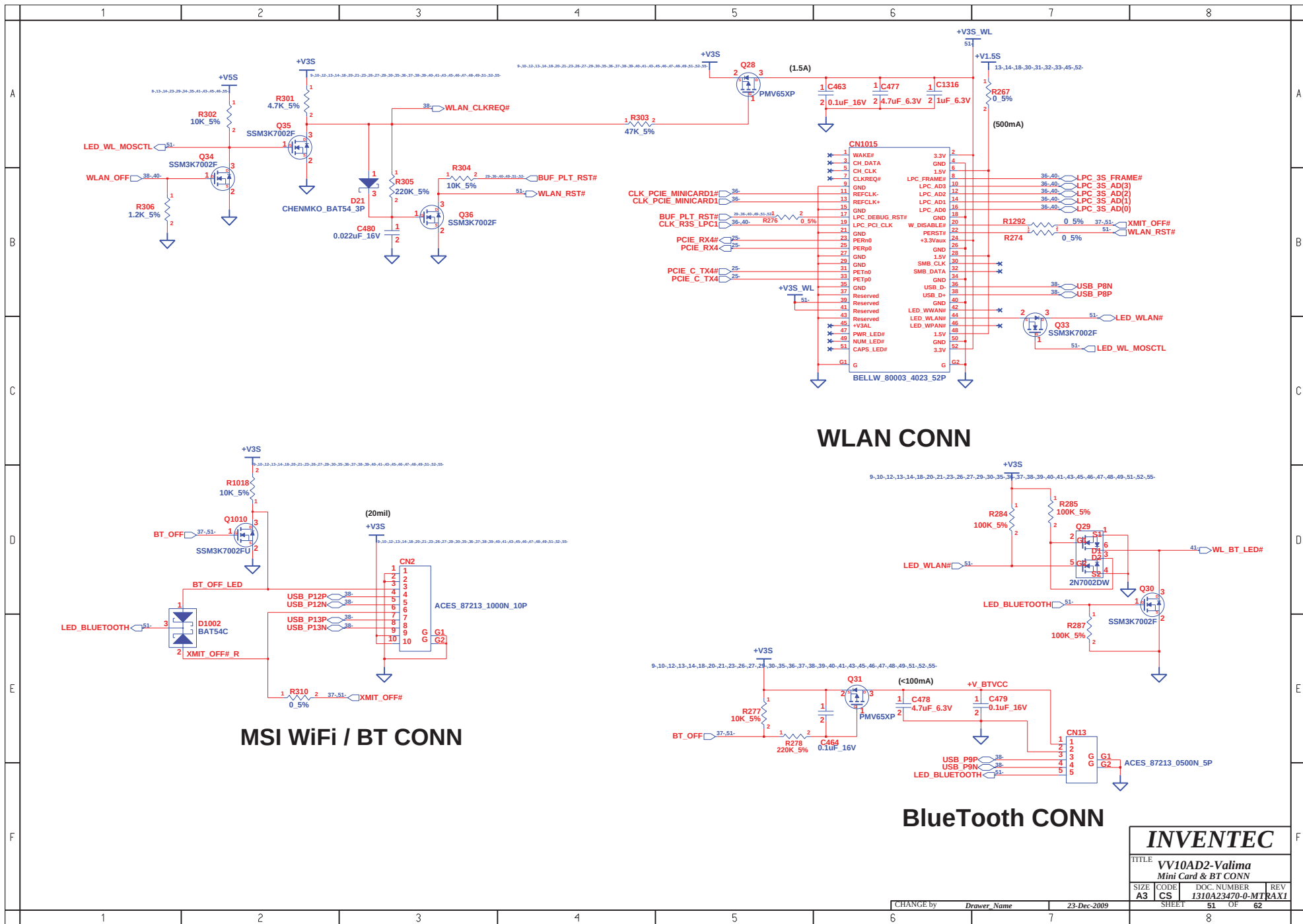
CHANGE by *Drawer Name* 23-Dec-2009

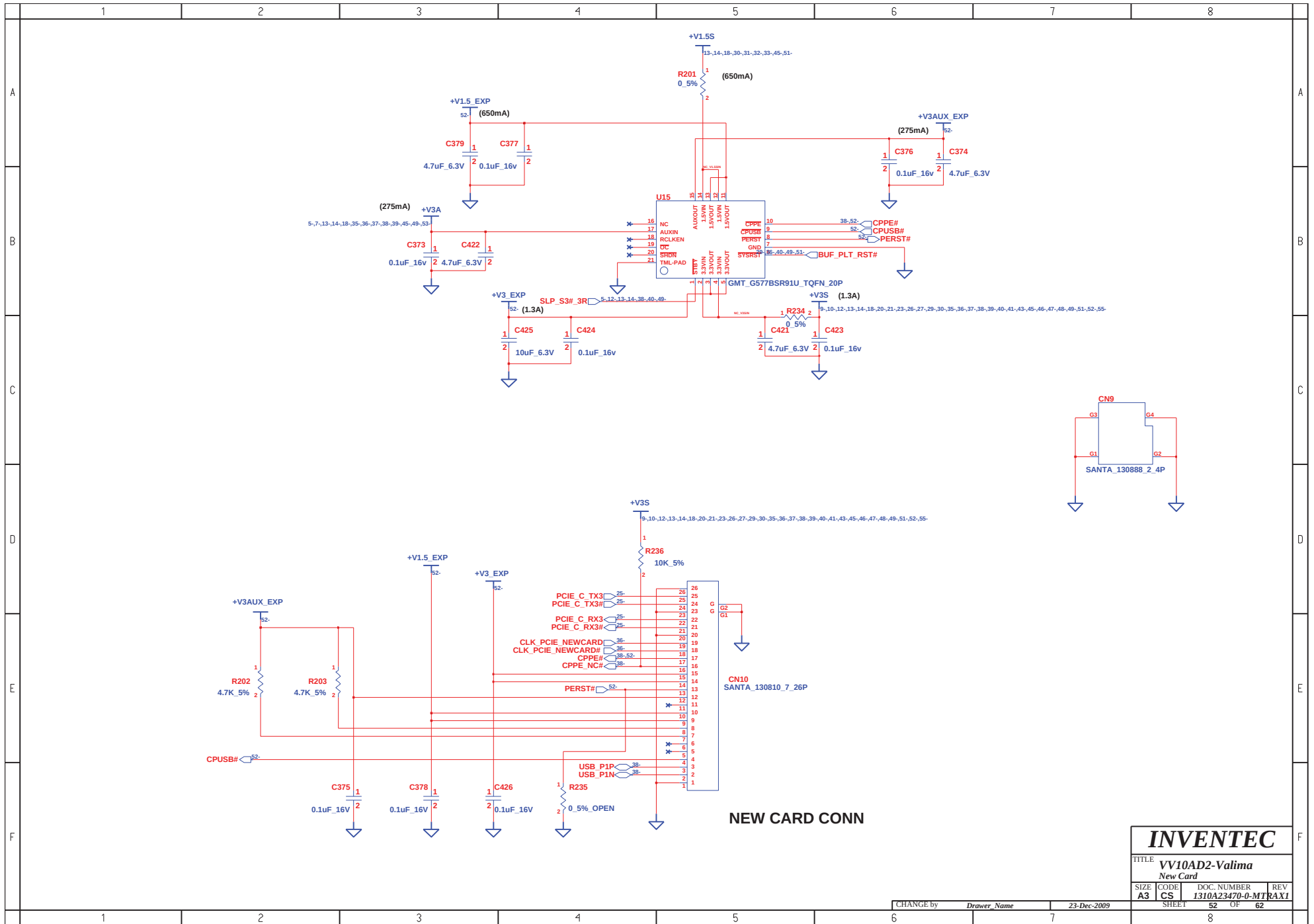
SHEET 48 OF 62



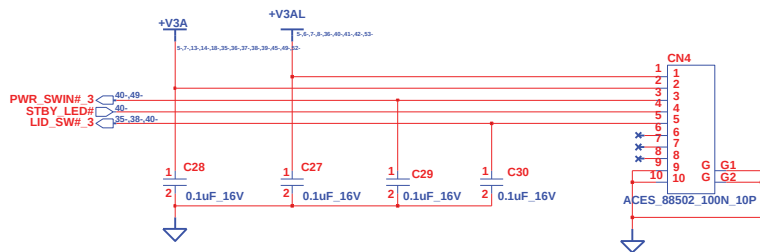


INVENTEC			
TITLE			
VV10AD2-Valima			
NIC 10/100M RJ45 CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23470-0-MTRAXI	
CHANGE by		23-Dec-2009	
DRAWER Name			
SHEET		50	OF 62
		8	

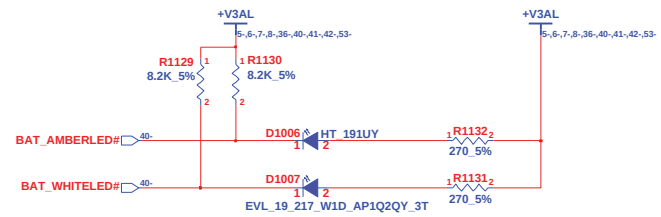




INVENTEC			
TITLE			
VV10AD2-Valima			
New Card			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23470-0-MTRAXI	
CHANGE by		Drawer Name	23-Dec-2009
SHEET		52	OF 62

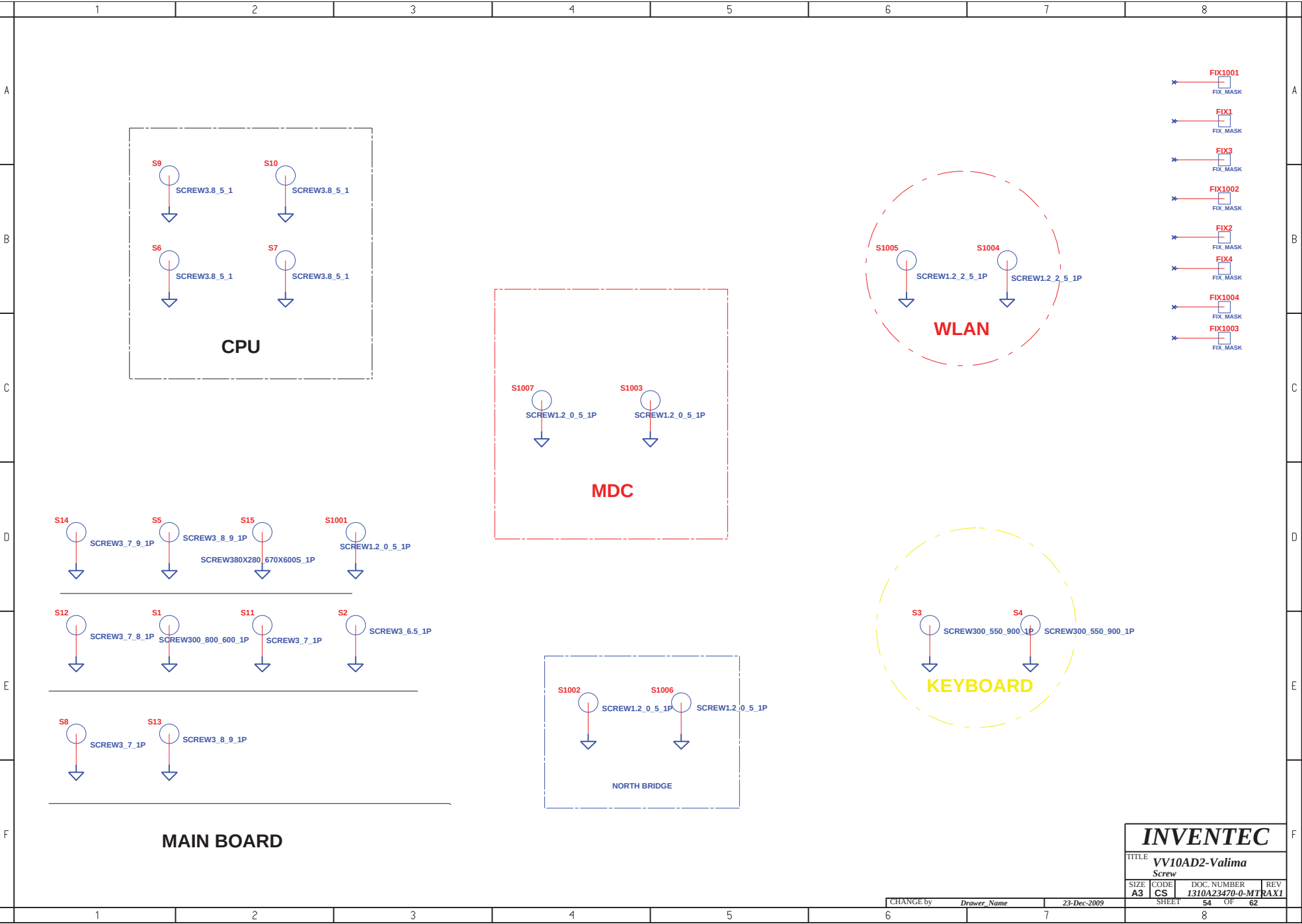


Switch Board & LED Board CONN
(M/B side)



Battery charger LED

INVENTEC			
TITLE			
VV10AD2-Valima			
W/B & SW/B & LED/B CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23470-0-MTRAXI	
CHANGE by		23-Dec-2009	
Drawer Name			
SHEET		53	OF 62
		8	



INVENTEC

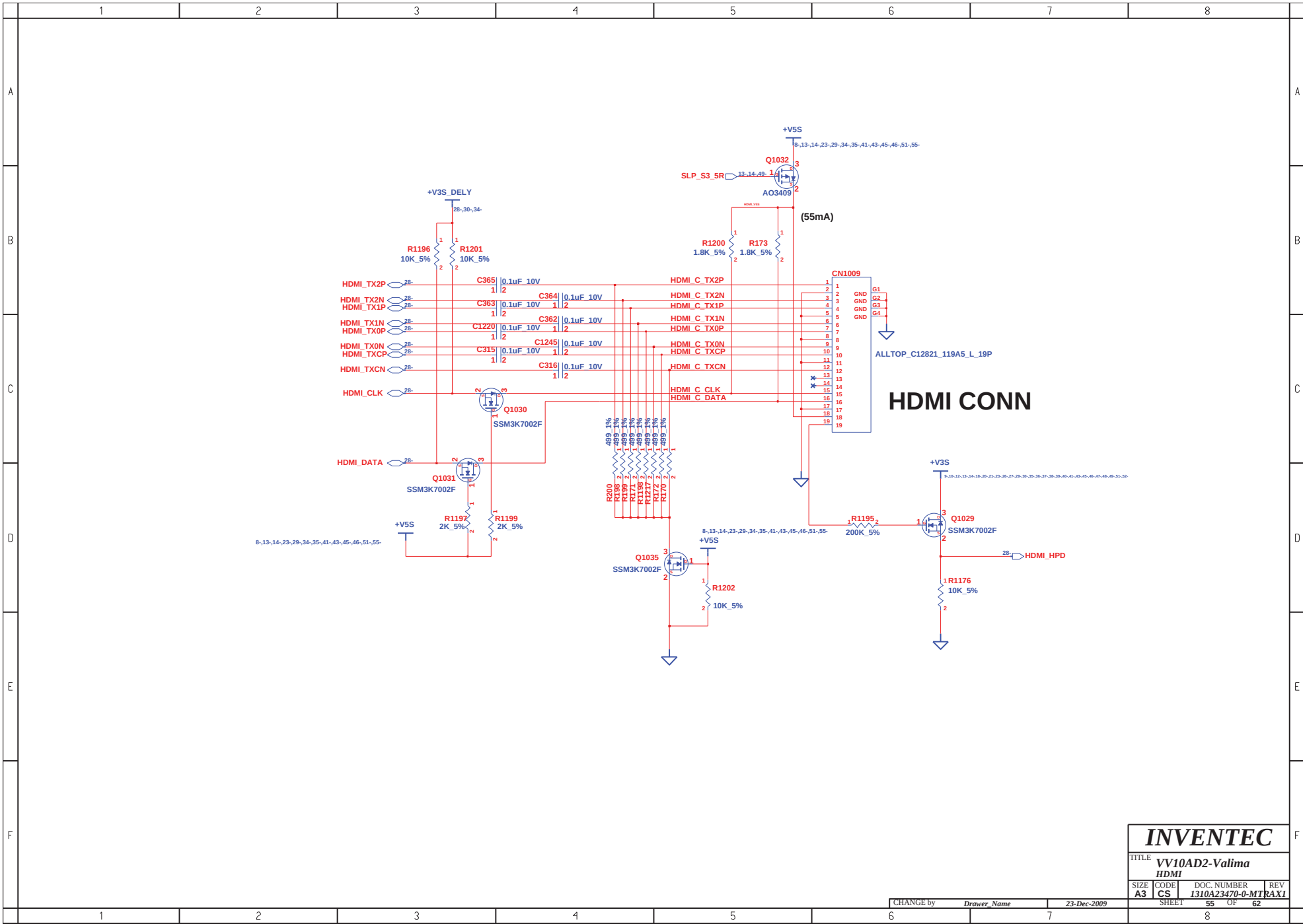
TITLE **VV10AD2-Valima**
Screw

SIZE A3	CODE CS	DOC. NUMBER 1310A23470-0-MTRAX1	REV 54
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SHEET 54 OF 62

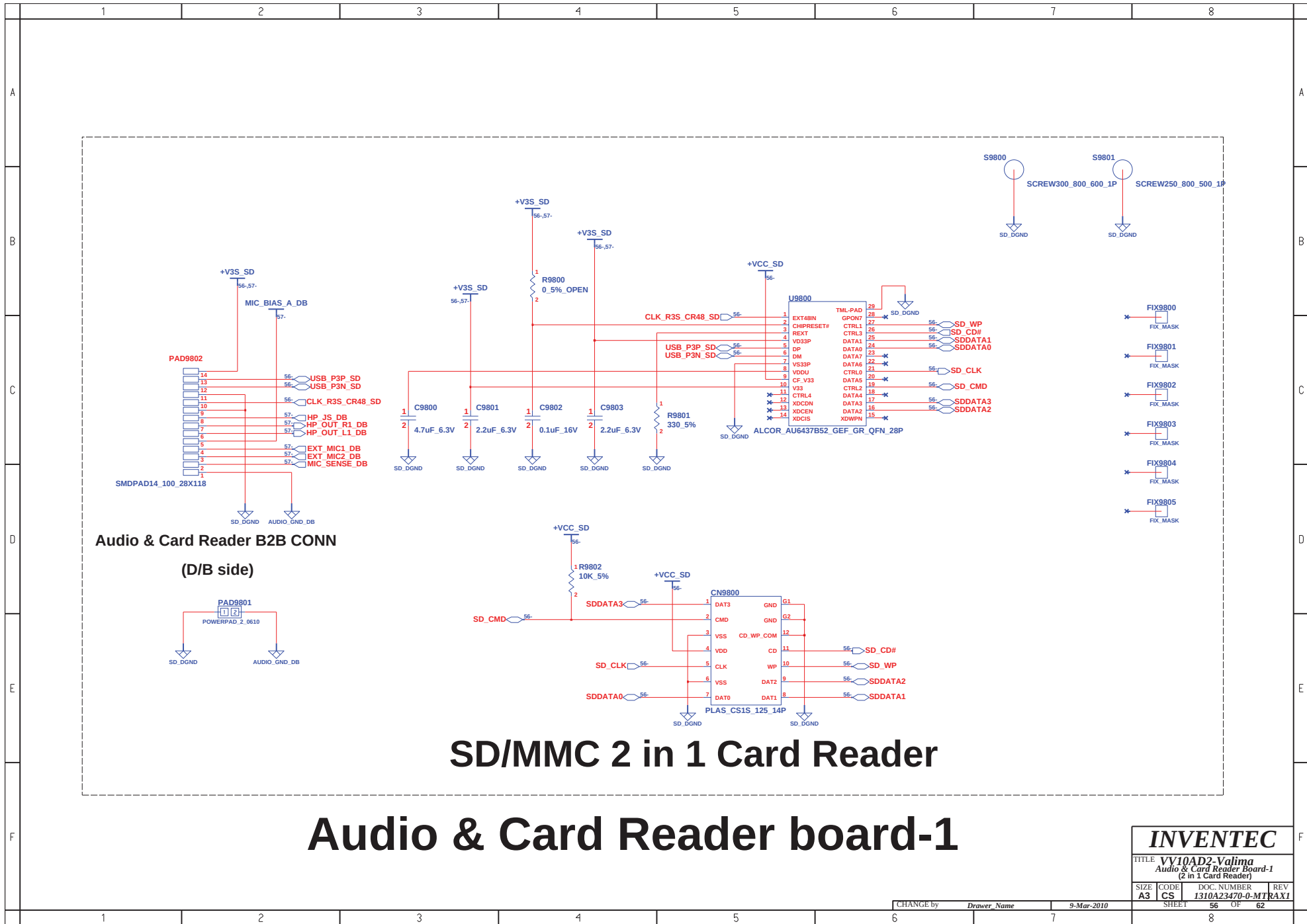
CHANGE by *Drawn Name* 23-Dec-2009

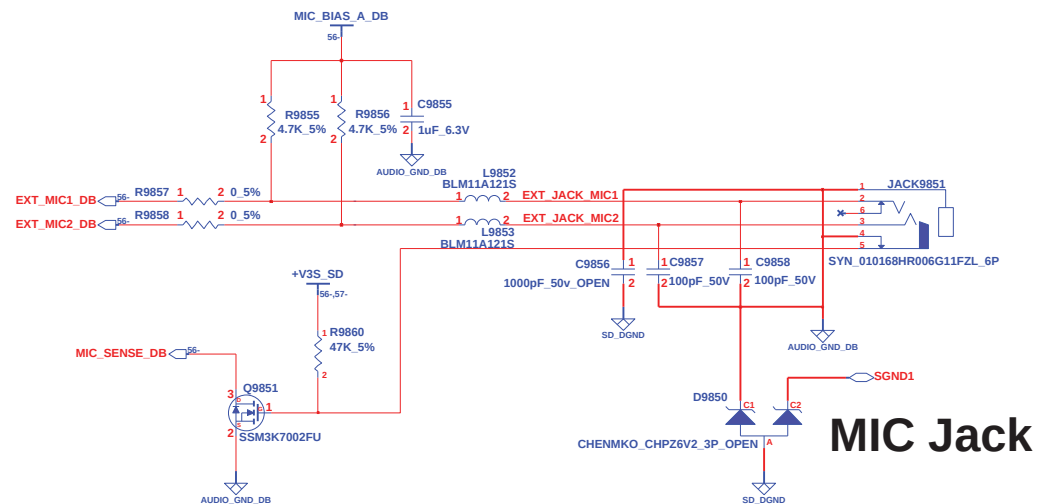
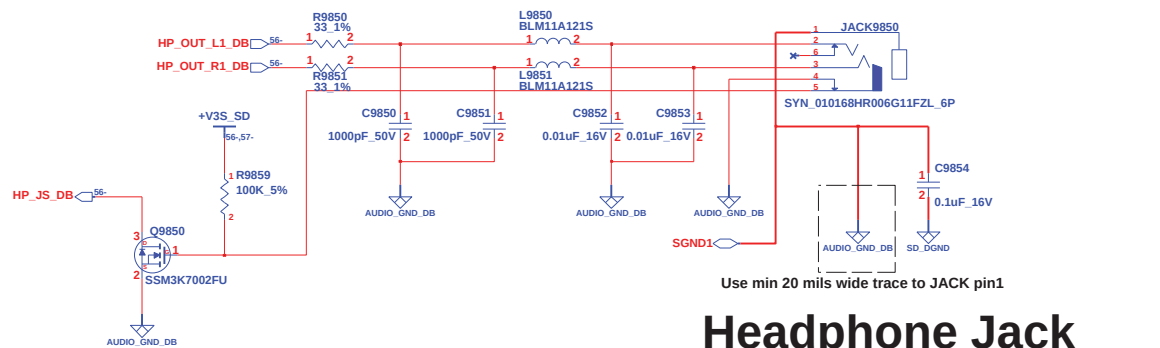
8



INVENTEC			
TITLE VV10AD2-Valima			
HDMI			
SIZE A3	CODE CS	DOC. NUMBER 1310A23470-0-MTRAXI	REV
SHEET 55		OF 62	

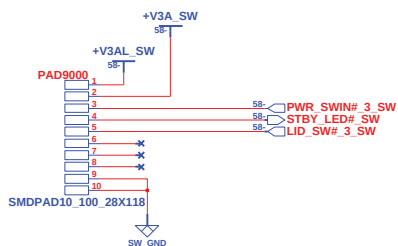
CHANGE by *Drawer Name* 23-Dec-2009



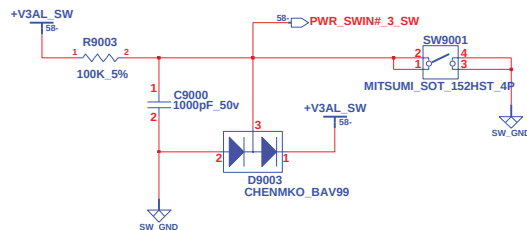


Audio & Card Reader board-2

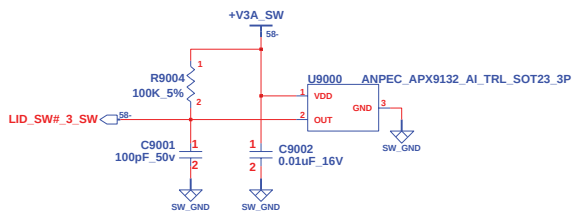
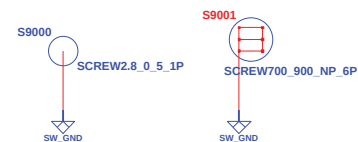
INVENTEC			
TITLE VV10AD2-Valima Audio & Card Reader Board-2 (HP & MIC JACKS)			
SIZE A3	CODE CS	DOC. NUMBER 1310A23470-0-MTRAXI	REV 57
CHANGE by		Drawer Name	13-Jan-2010
SHEET		OF	62
		8	



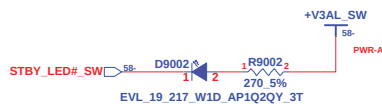
PWR SW B/B CONN



Power Button



LID Switch

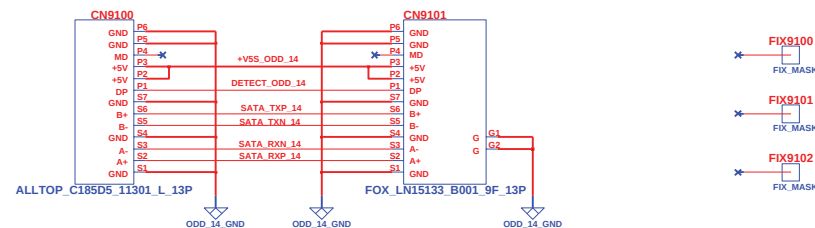


Power / Standby LED

Power Button & LID Switch Board

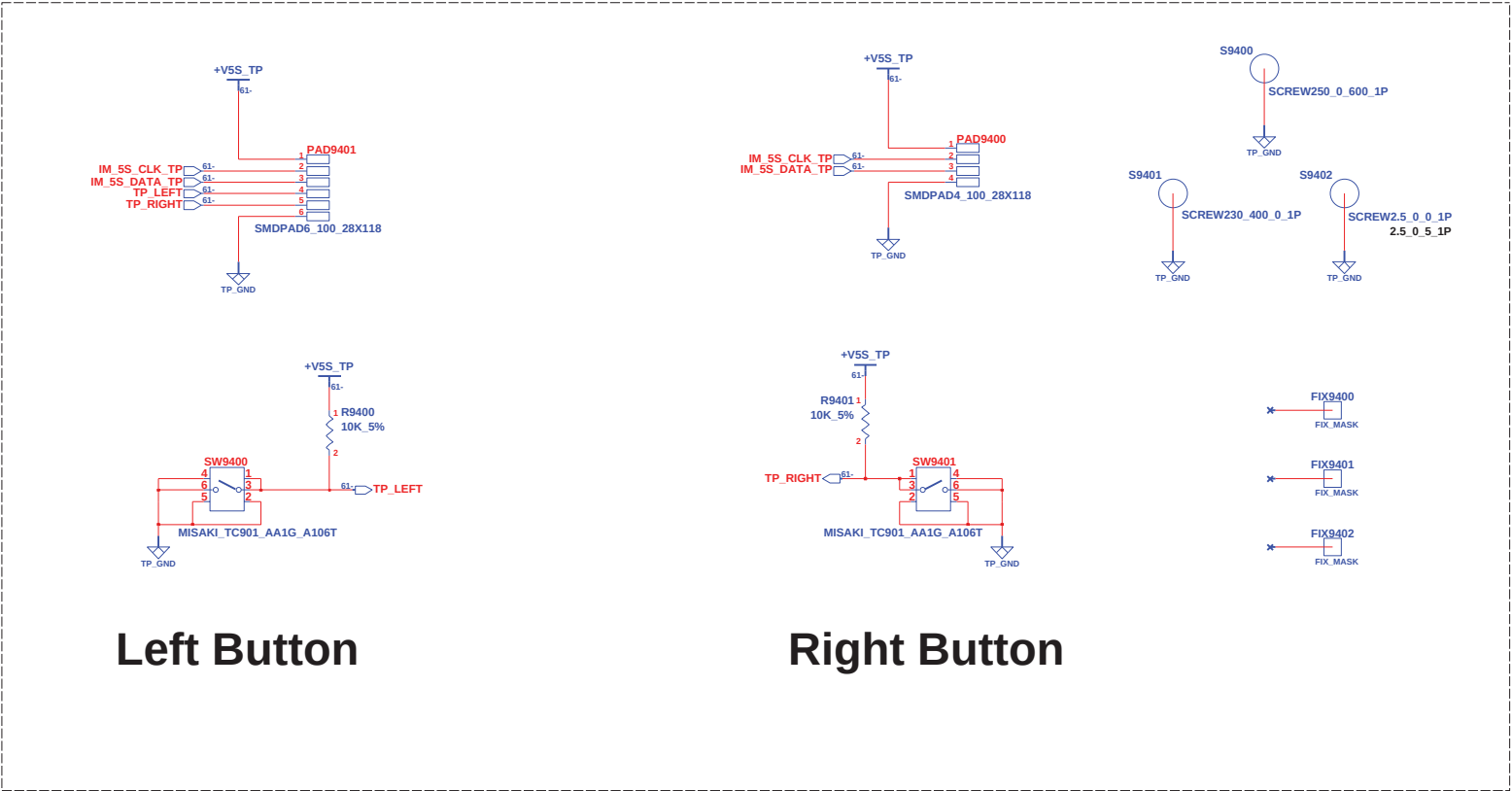
INVENTEC			
TITLE VV10AD2-Valima			
Power & LID board			
SIZE A3	CODE CS	DOC. NUMBER 1310A23470-0-MTR	REV AXI
SHEET 58		OF 62	

CHANGE by Drawer Name 23-Dec-2009



14''ODD Extend Board

INVENTEC			
TITLE VV10AD2-Valima 15" ODD Extend board			
SIZE A3	CODE CS	DOC. NUMBER 1310A23470-0-MTR	REV AX1
CHANGE by Drawer Name		5-Mar-2010	SHEET 59 OF 62



Left Button

Right Button

PICK Button Board

INVENTEC

TITLE **VV10AD2-Valima**
Pick Button board

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23470-0-MTR	AXI

SHEET 61 OF 62

CHANGE by *Drawer Name* 13-Jan-2010

8

	1	2	3	4	5	6	7	8	
A	BLANK 15" SATA HDD Extend Board								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

INVENTEC			
TITLE VV10AD2-Valima 15" HDD/B			
SIZE A3	CODE CS	DOC. NUMBER 15" HDD Extend/B	REV AX1
CHANGE by VV10A2		5-Mar-2010	
SHEET		62	OF 62