

VULCAIN UMA SI Build FINAL

2008.12.26

DATE	CHANGE NO.	REV

<http://hobi-elektronika.net>

DRAWER	EE	DATE	POWER	DATE	INVENTEC		
DESIGN					TITLE		
CHECK					VV UMA SATA		
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SIZE = 3					SIZE	CODE	DOC. NUMBER
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P/N XXXXXXXXXXXX					REV		
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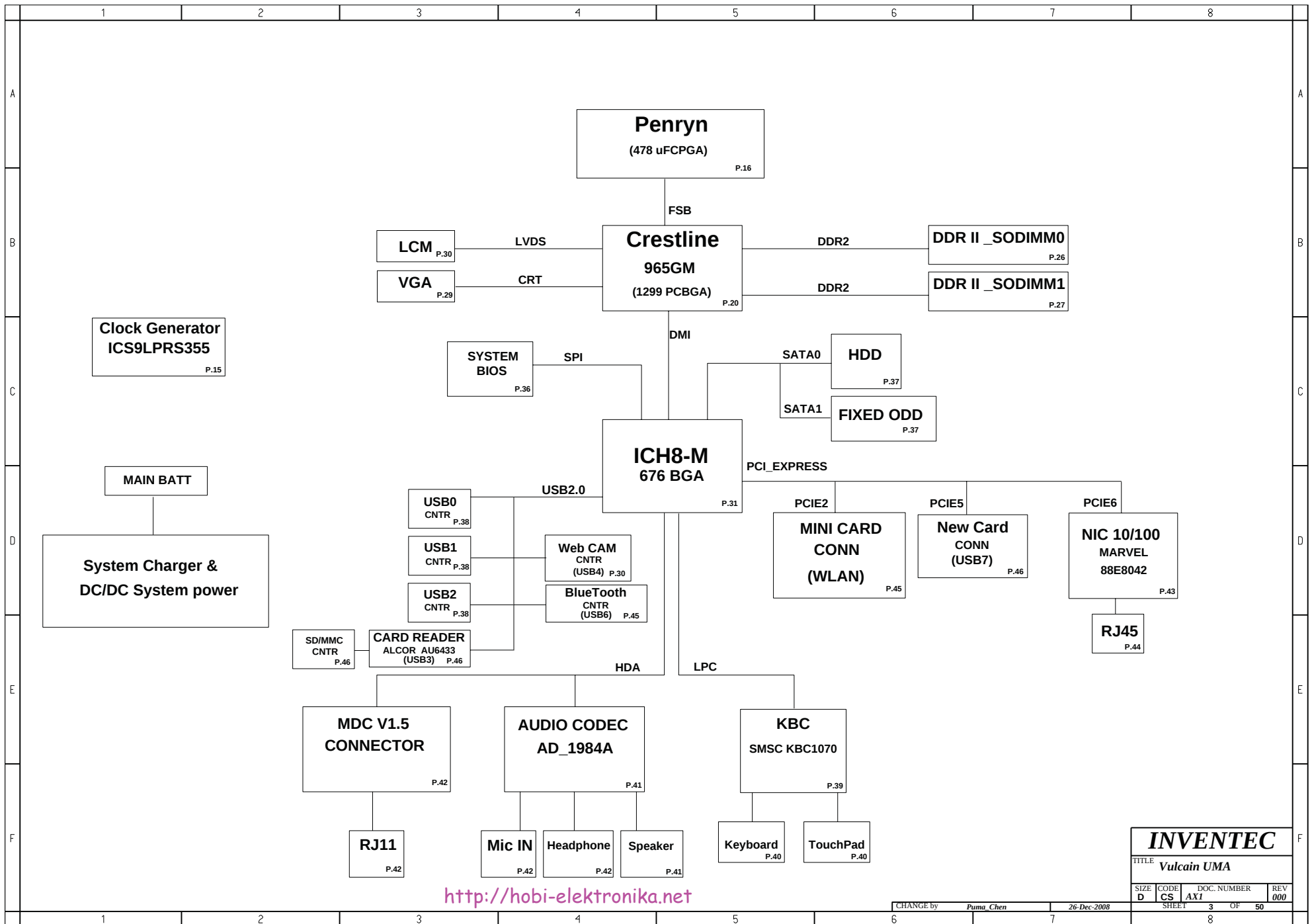
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TITLE **Vulcain UMA**

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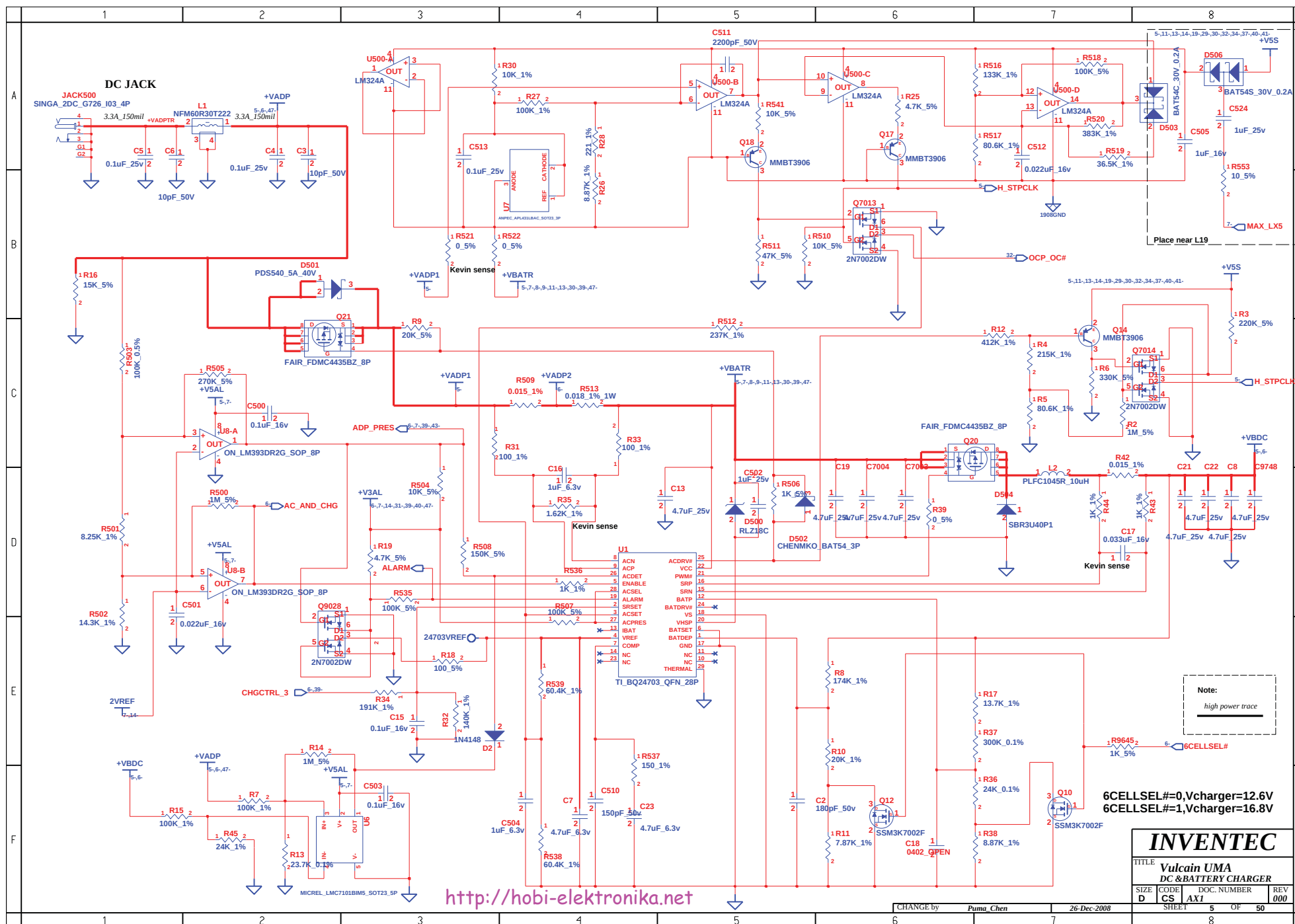
CHANGE by *Puma Chen* 26-Dec-2008



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SHEET		3	OF	50

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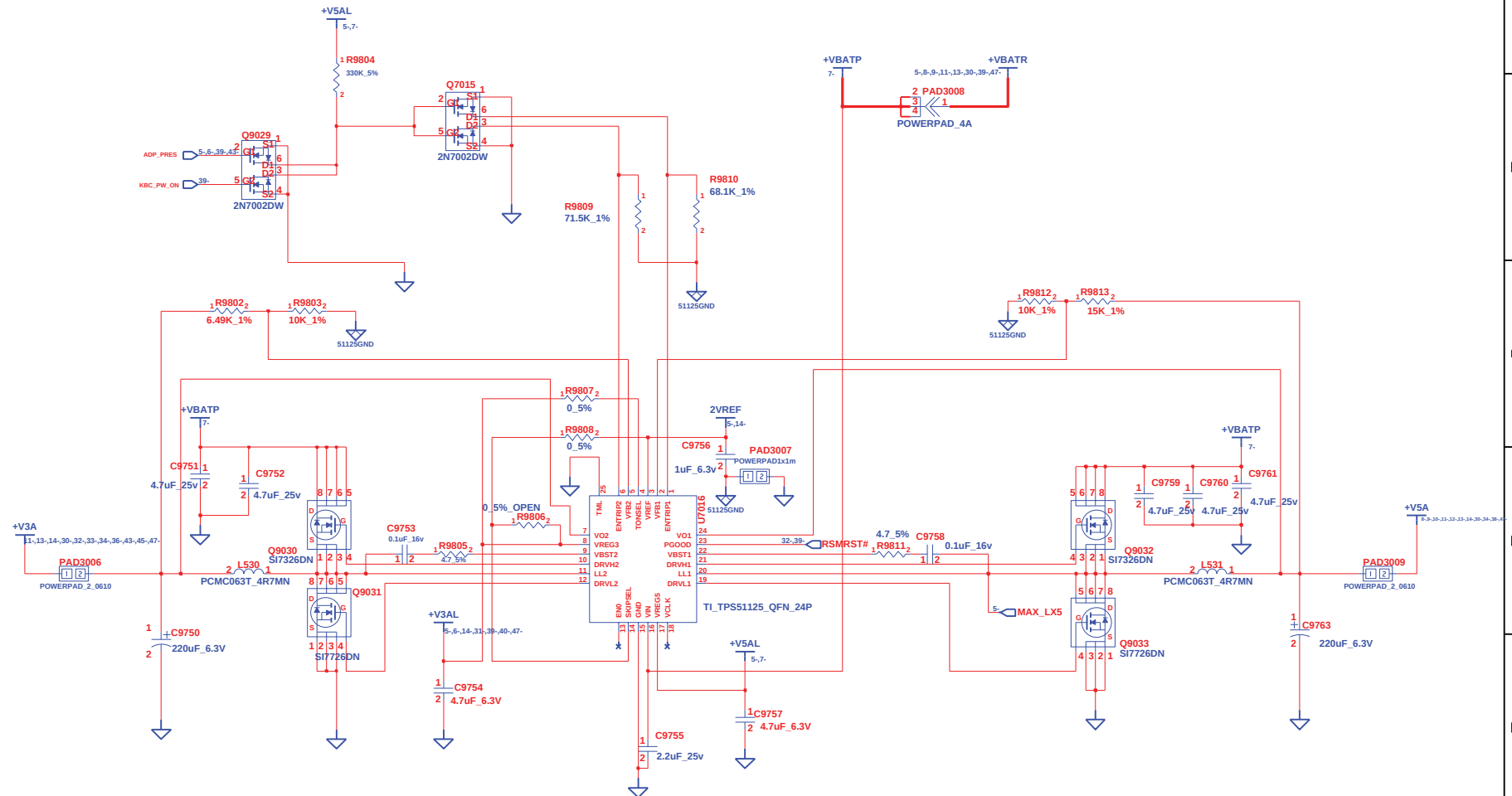
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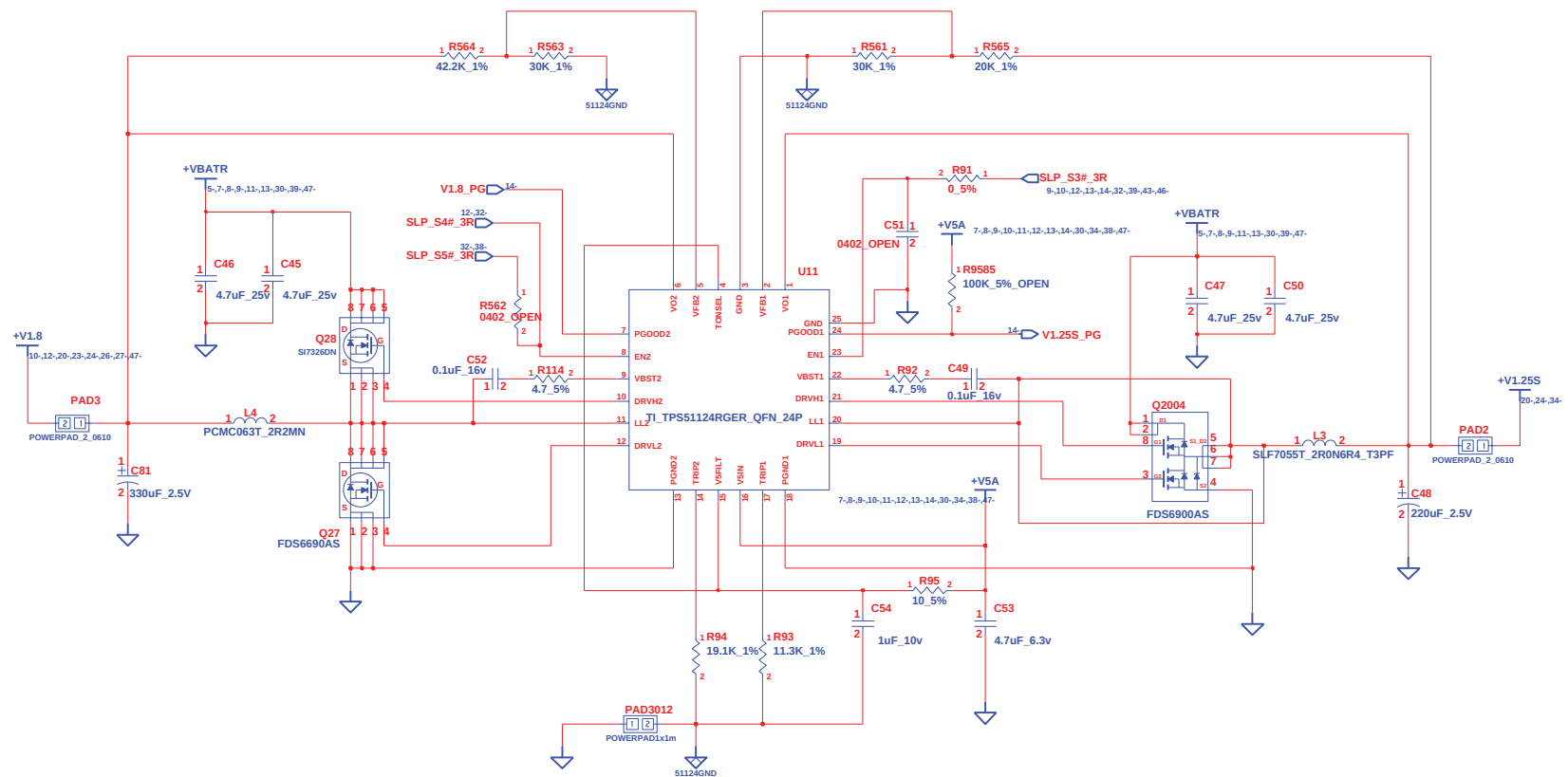
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Vulcain UMA
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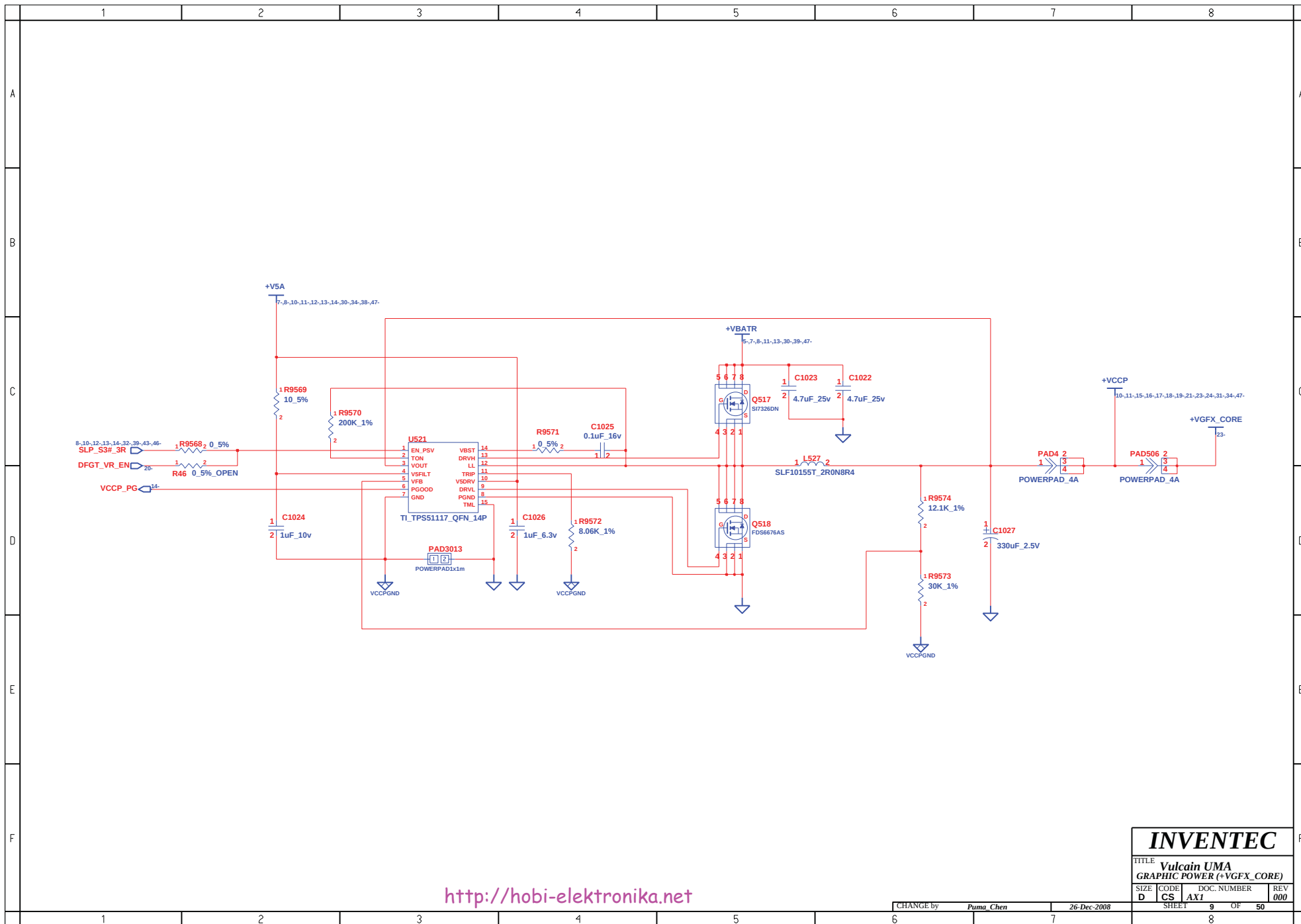
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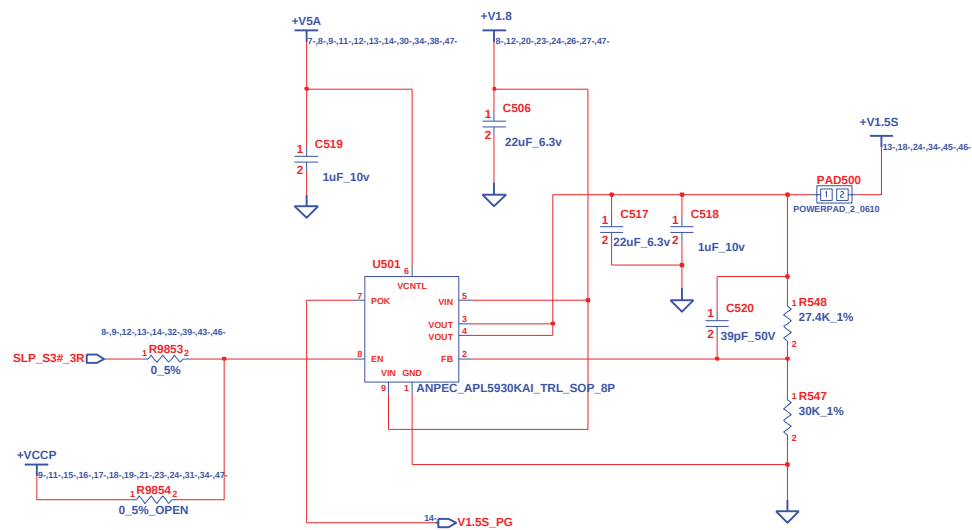
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SYSTEM POWER(+V1.8/+V1.25S)			
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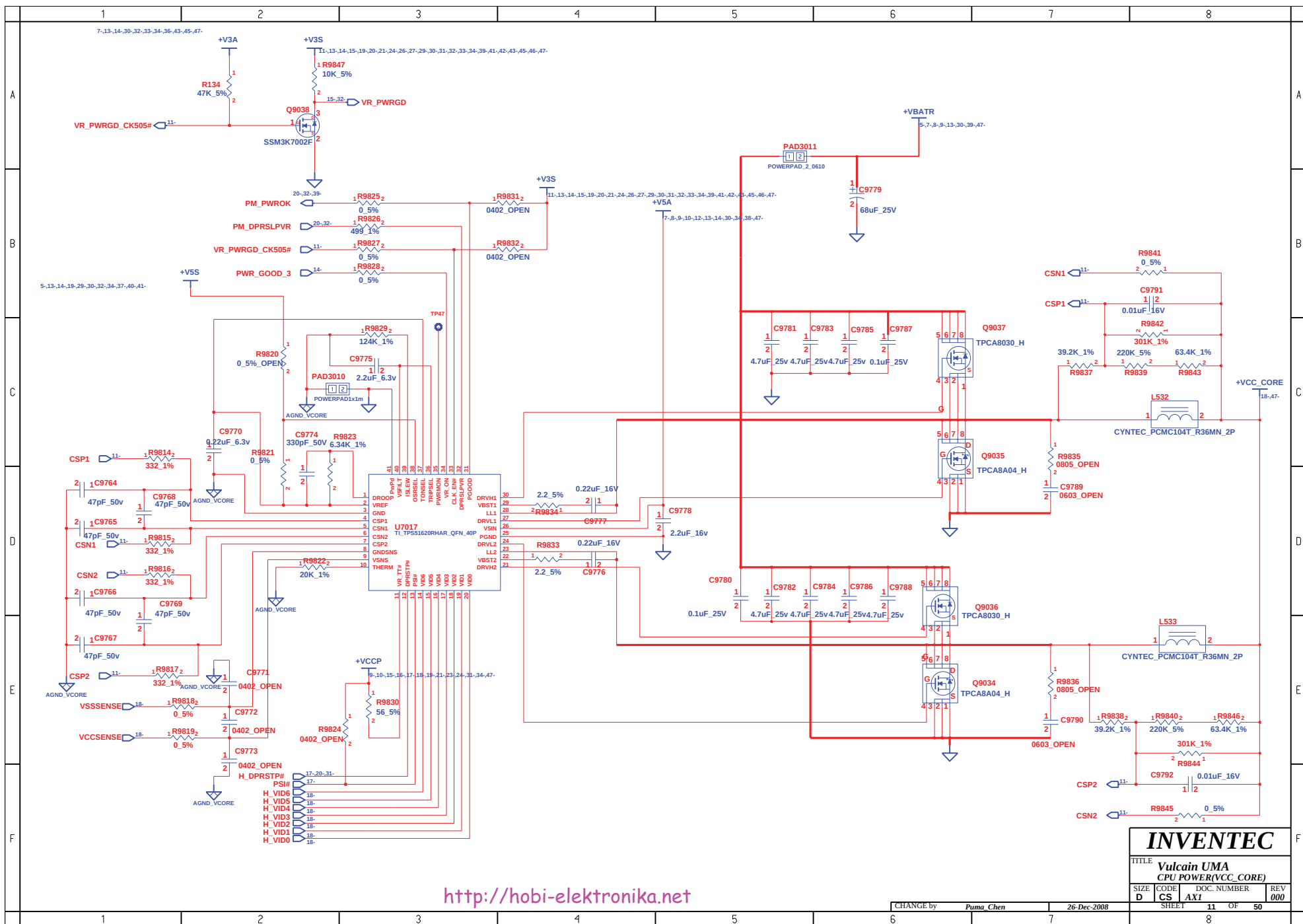


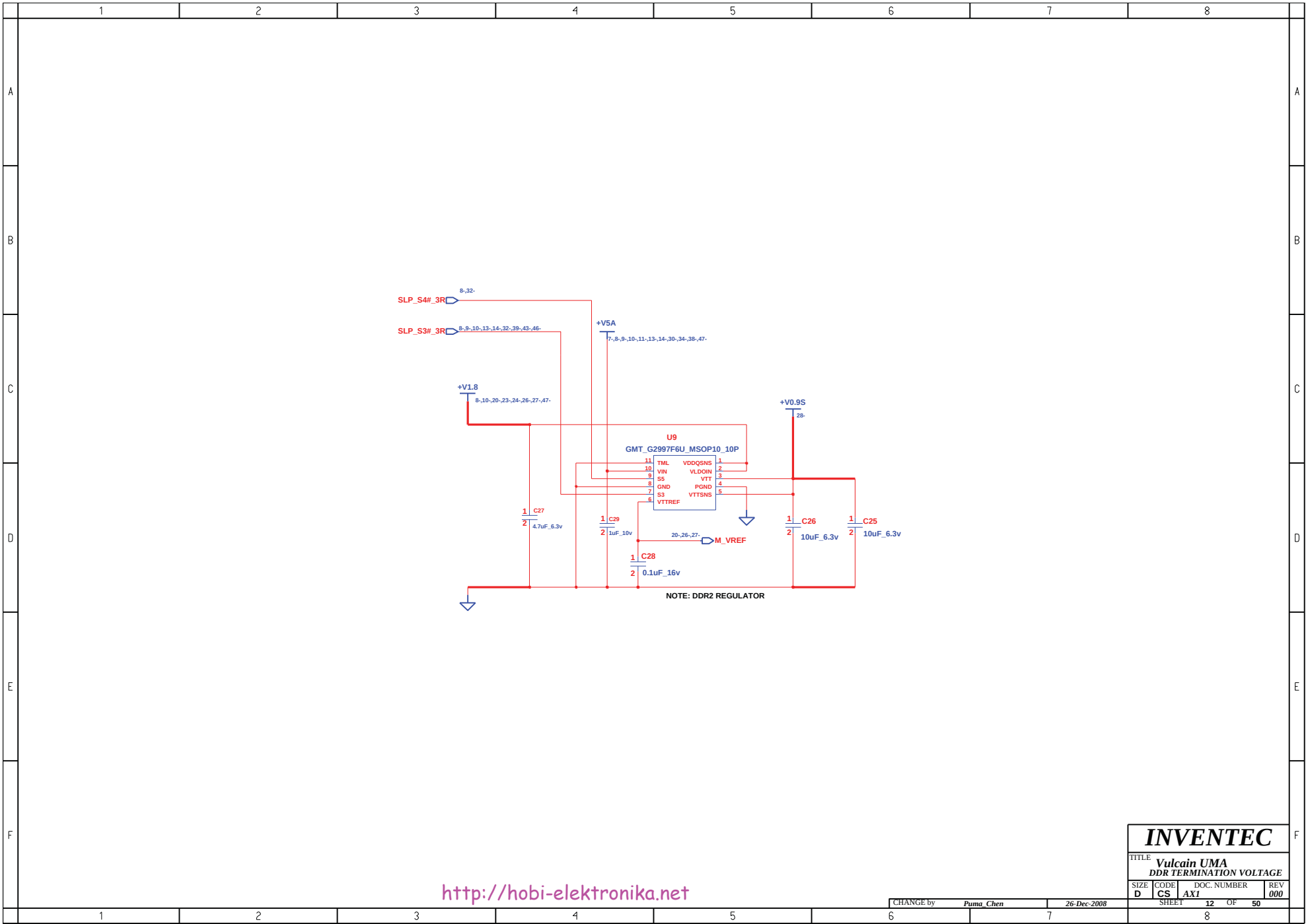
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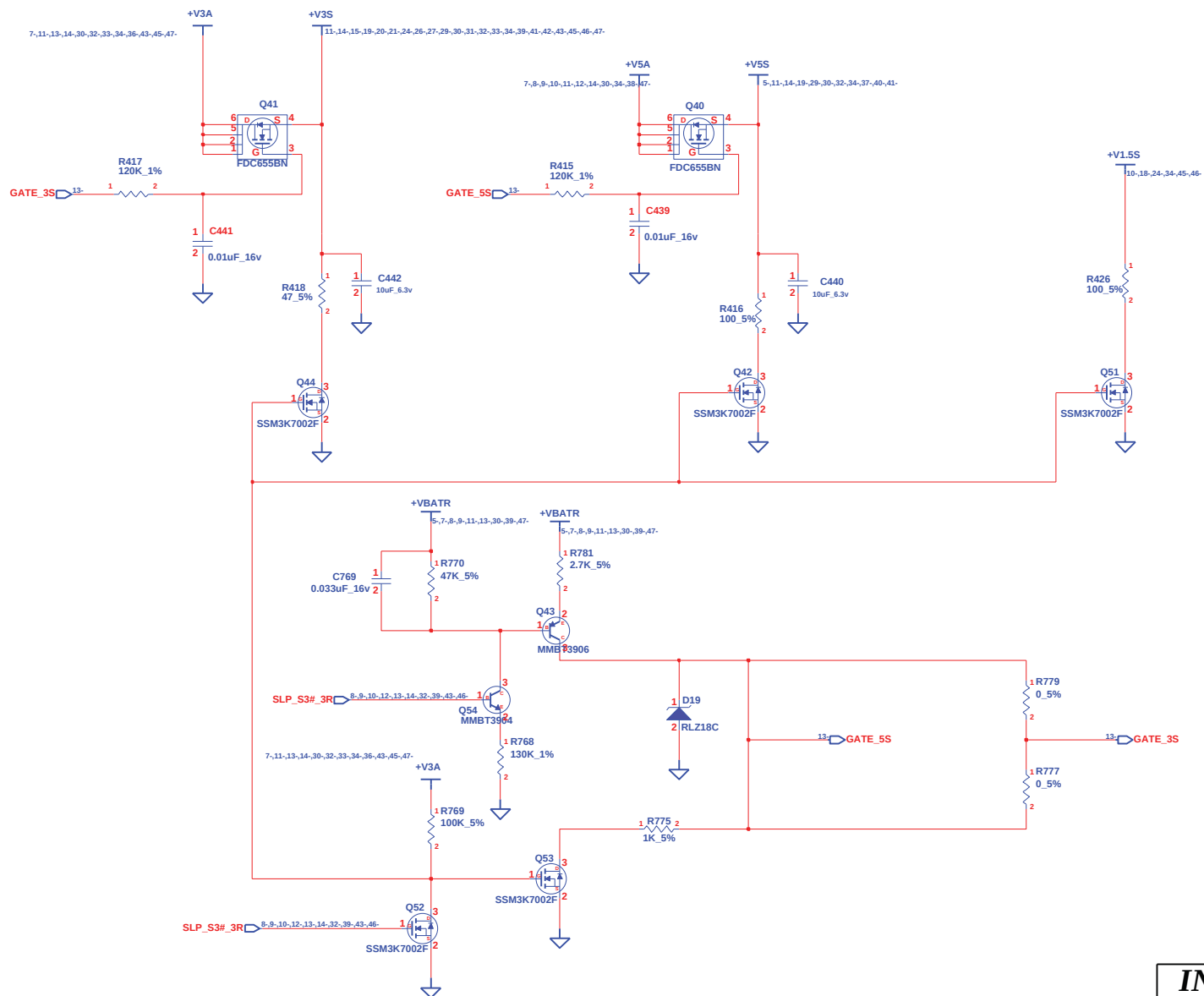
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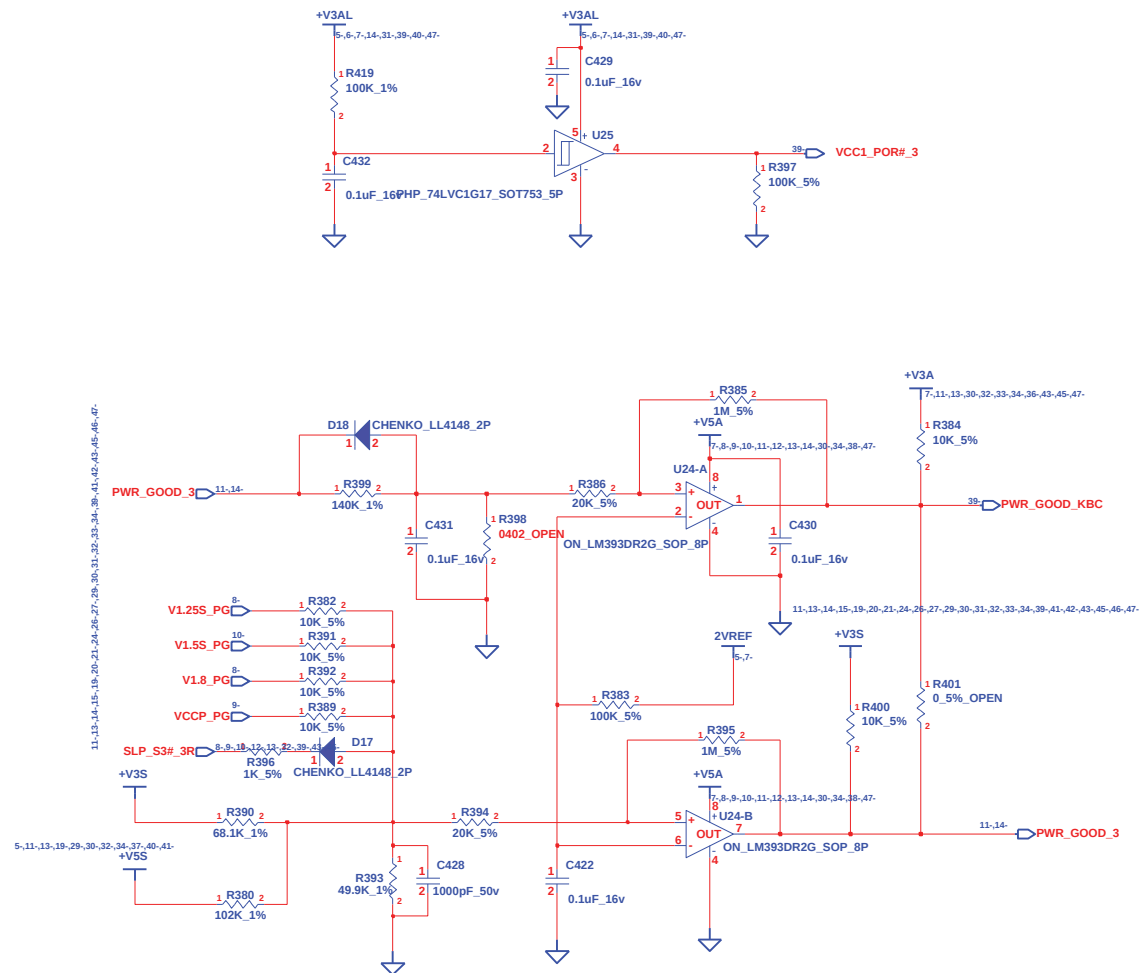
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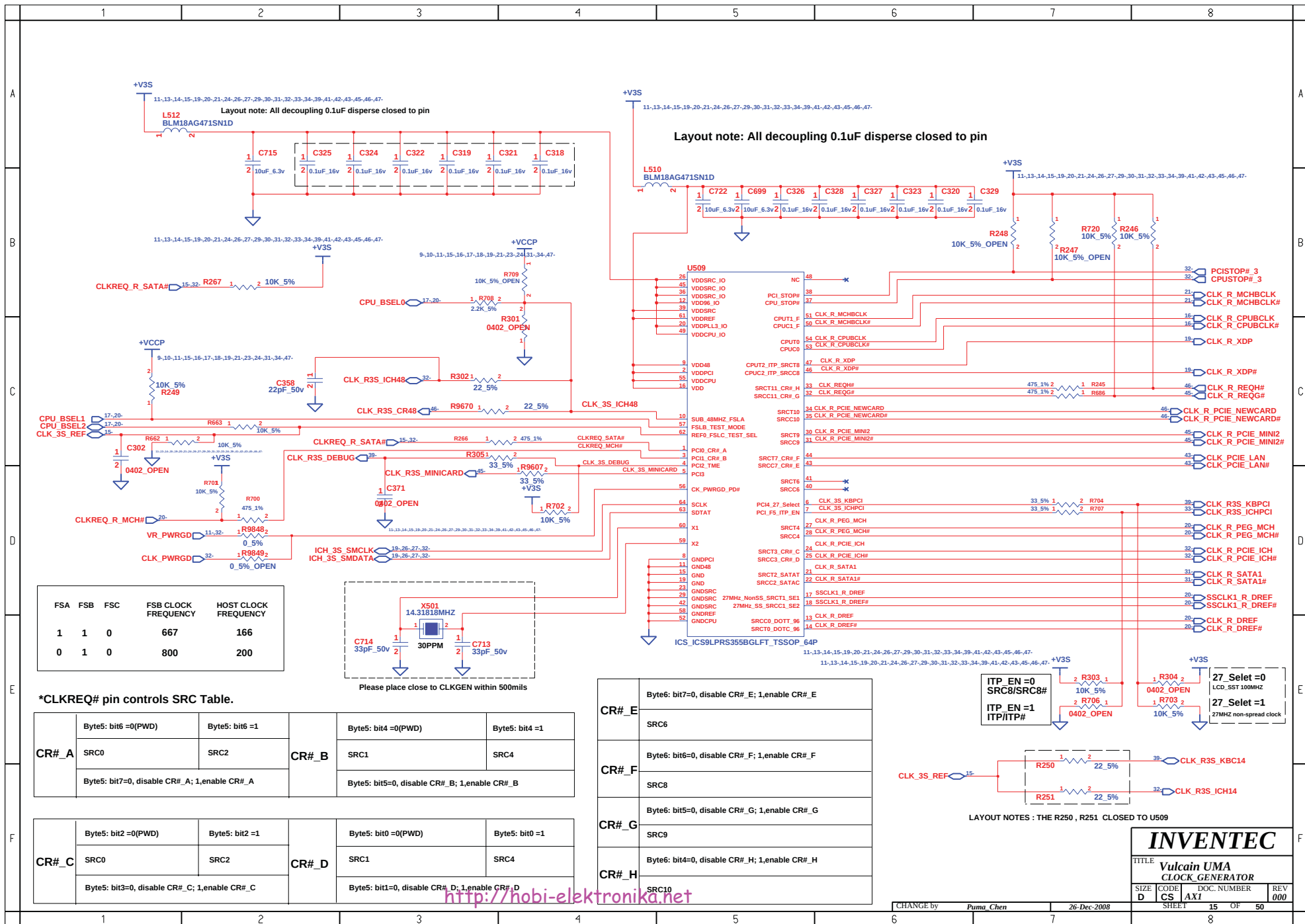
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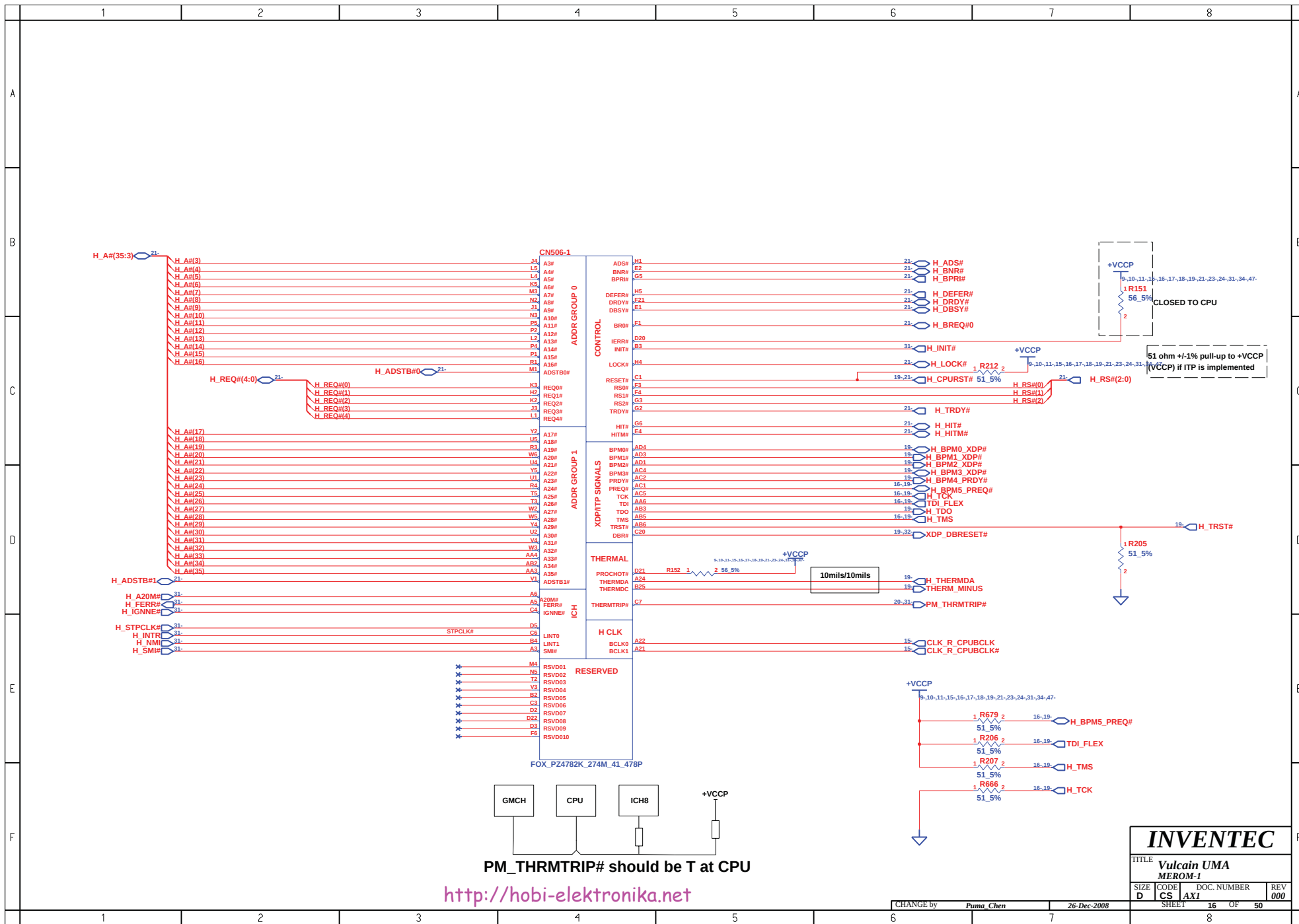
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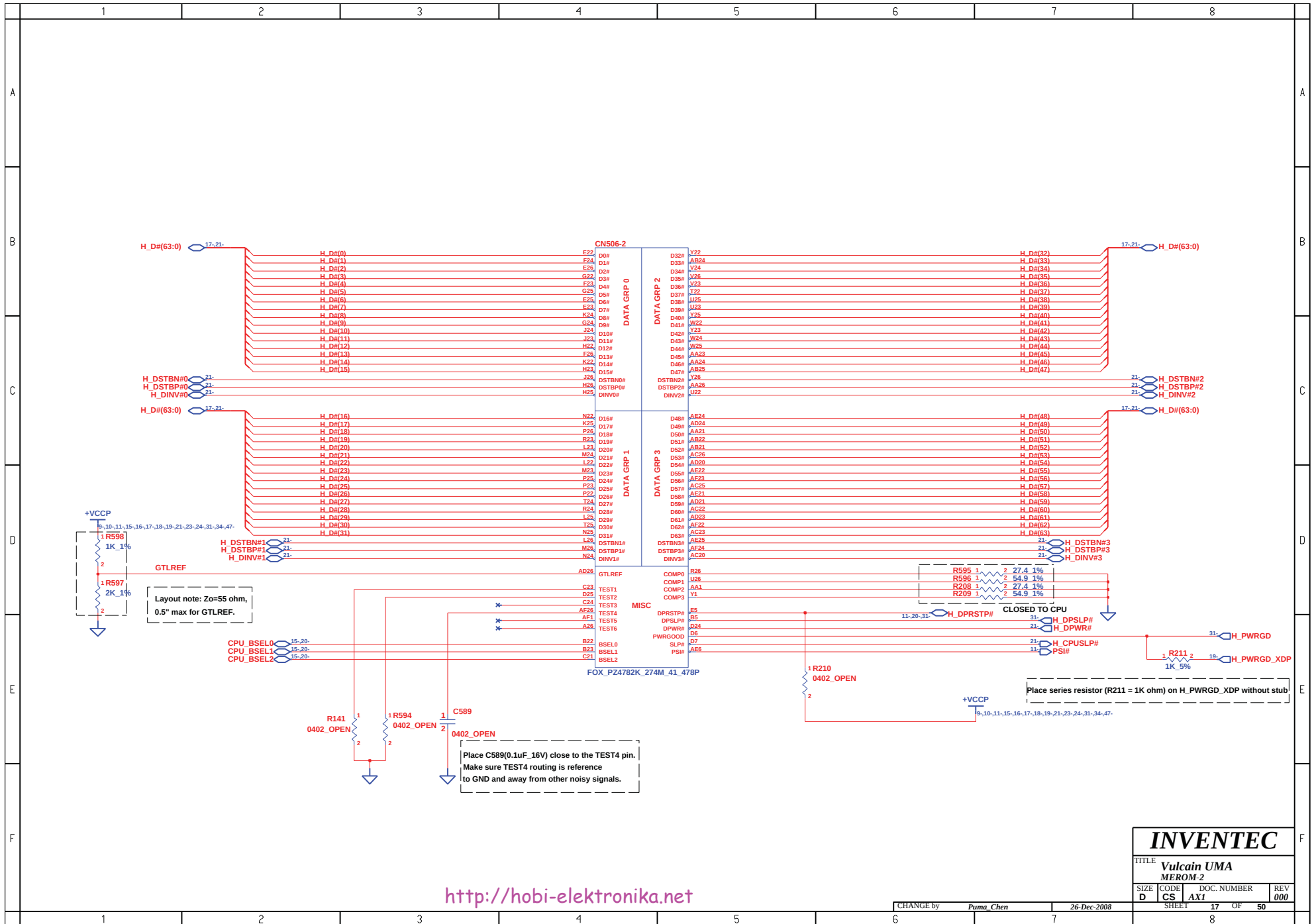
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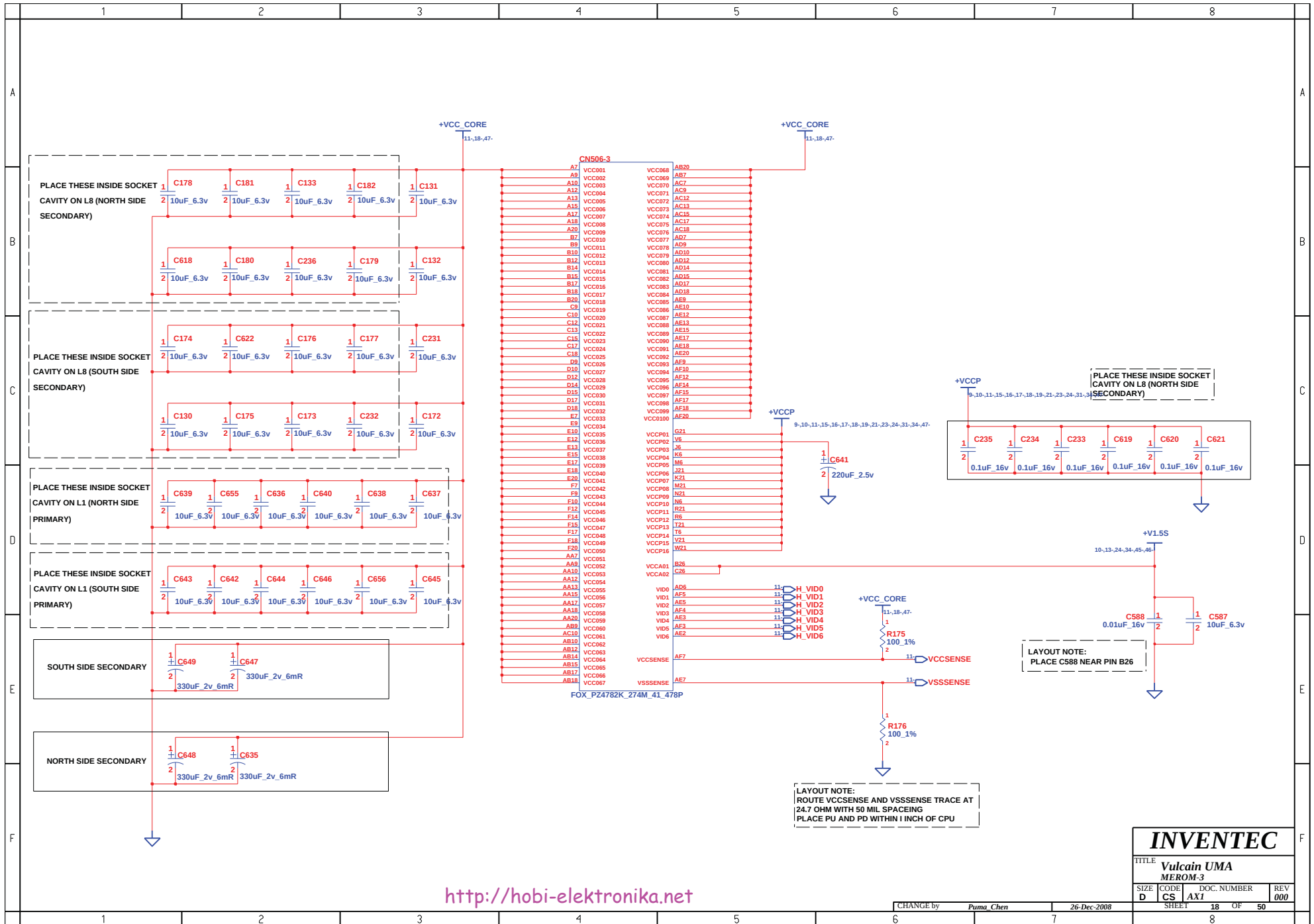




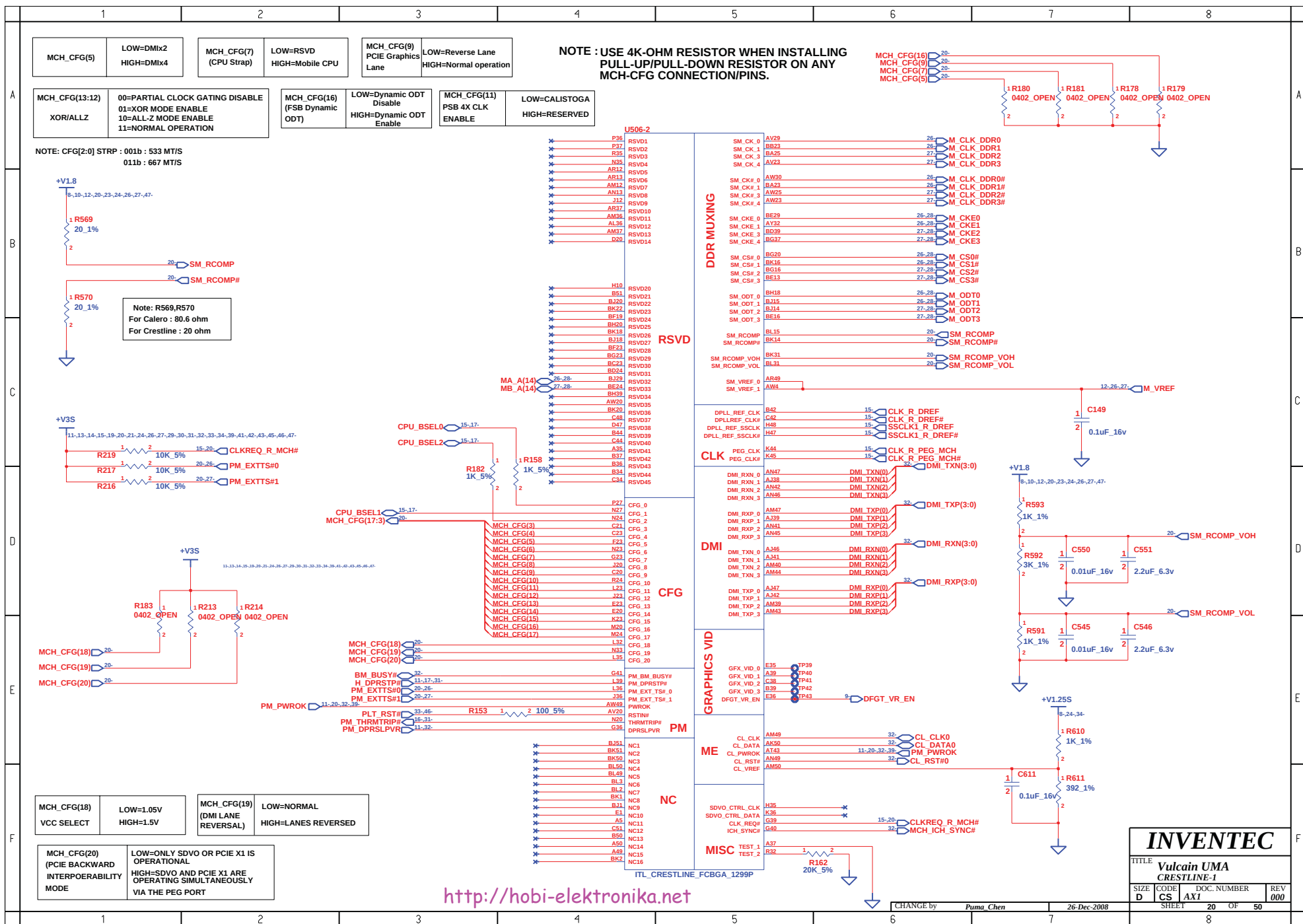


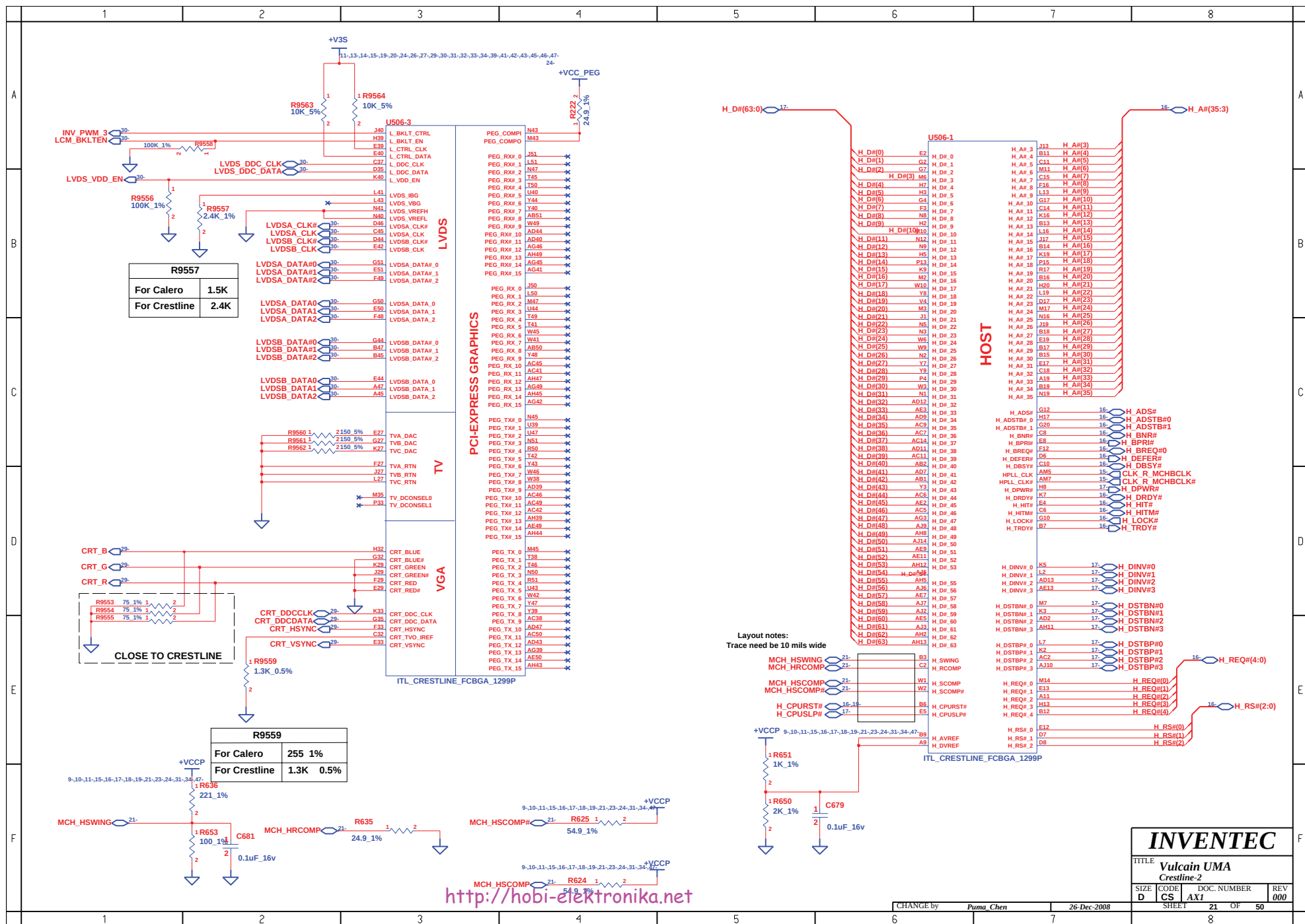
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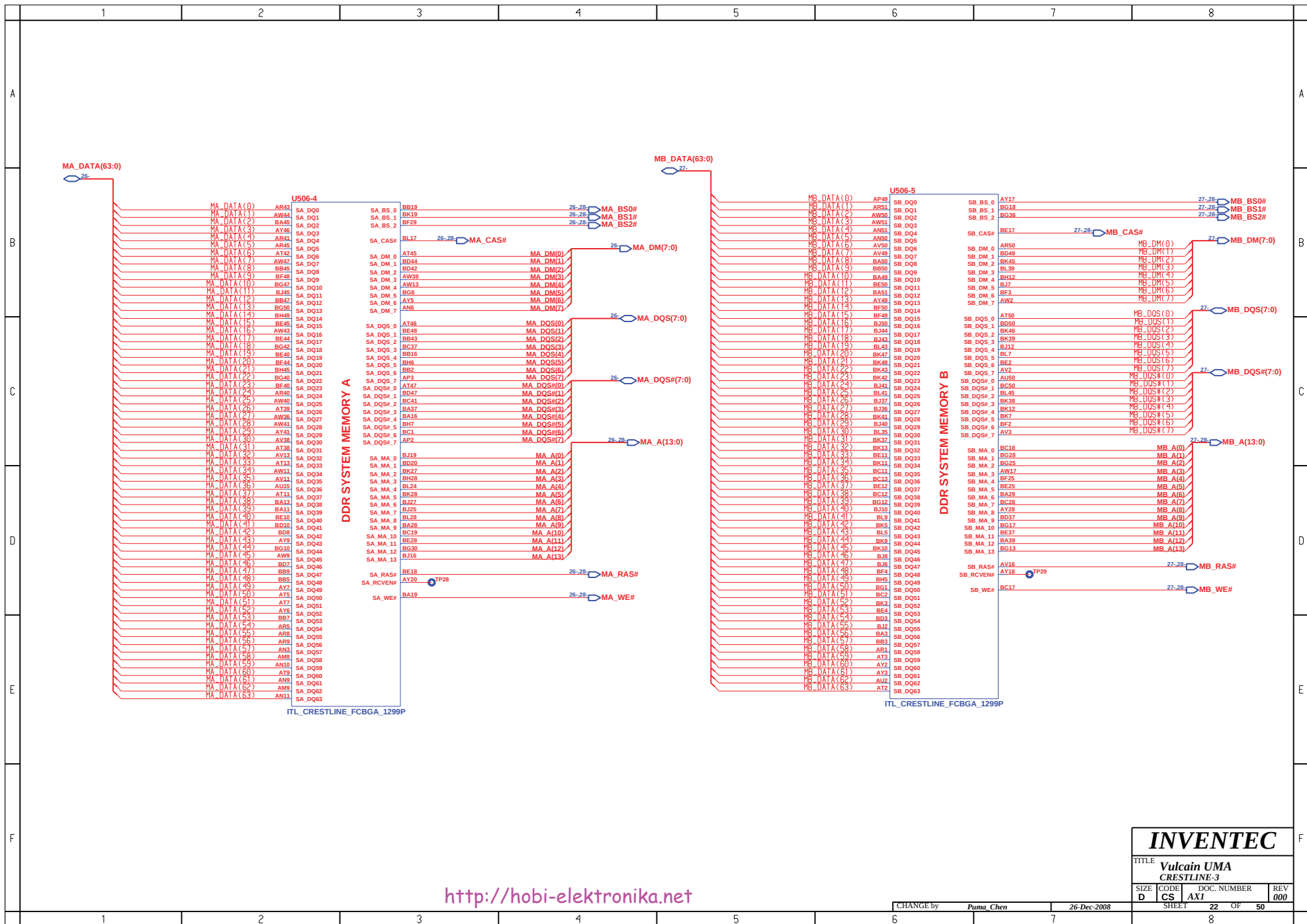
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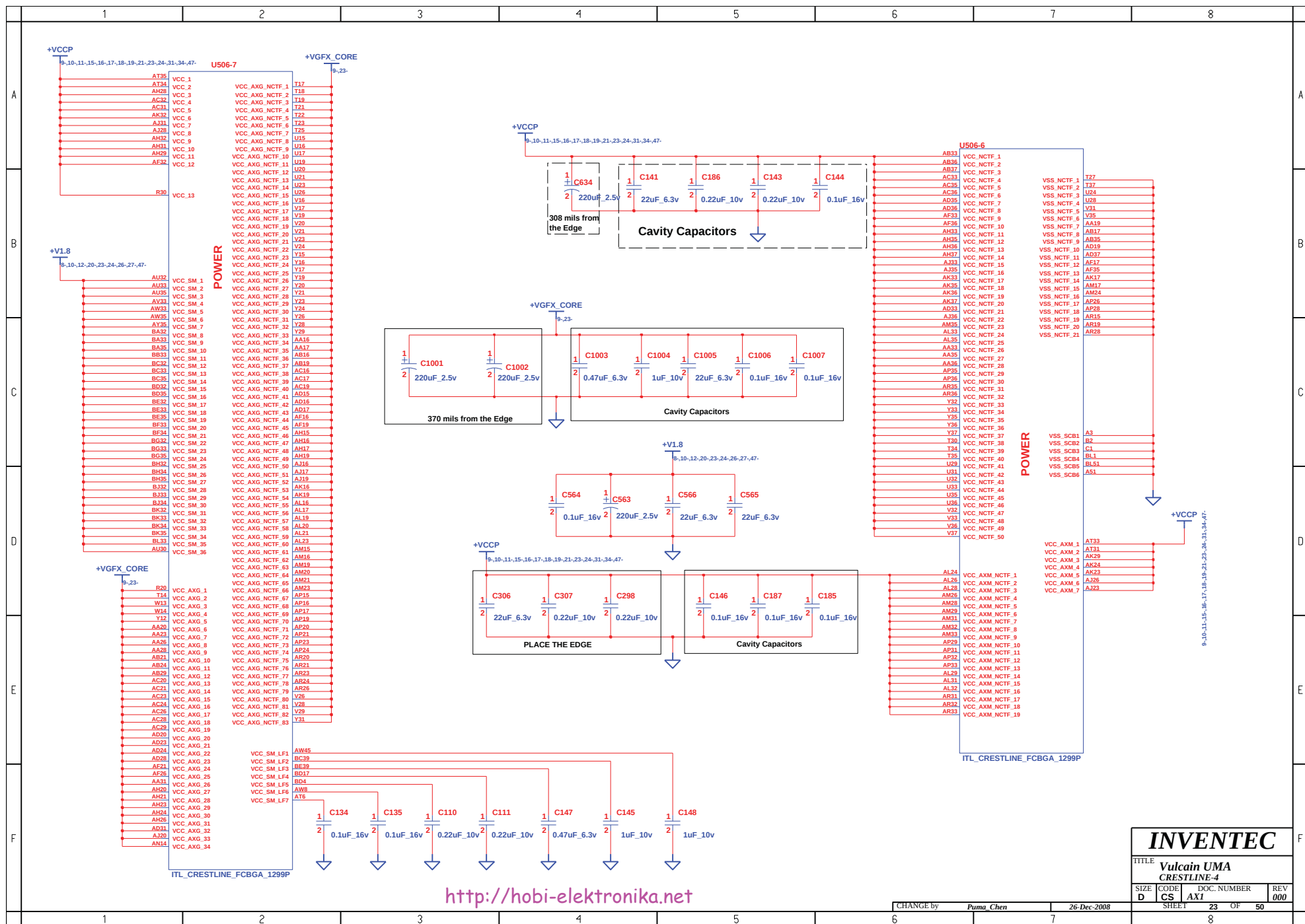
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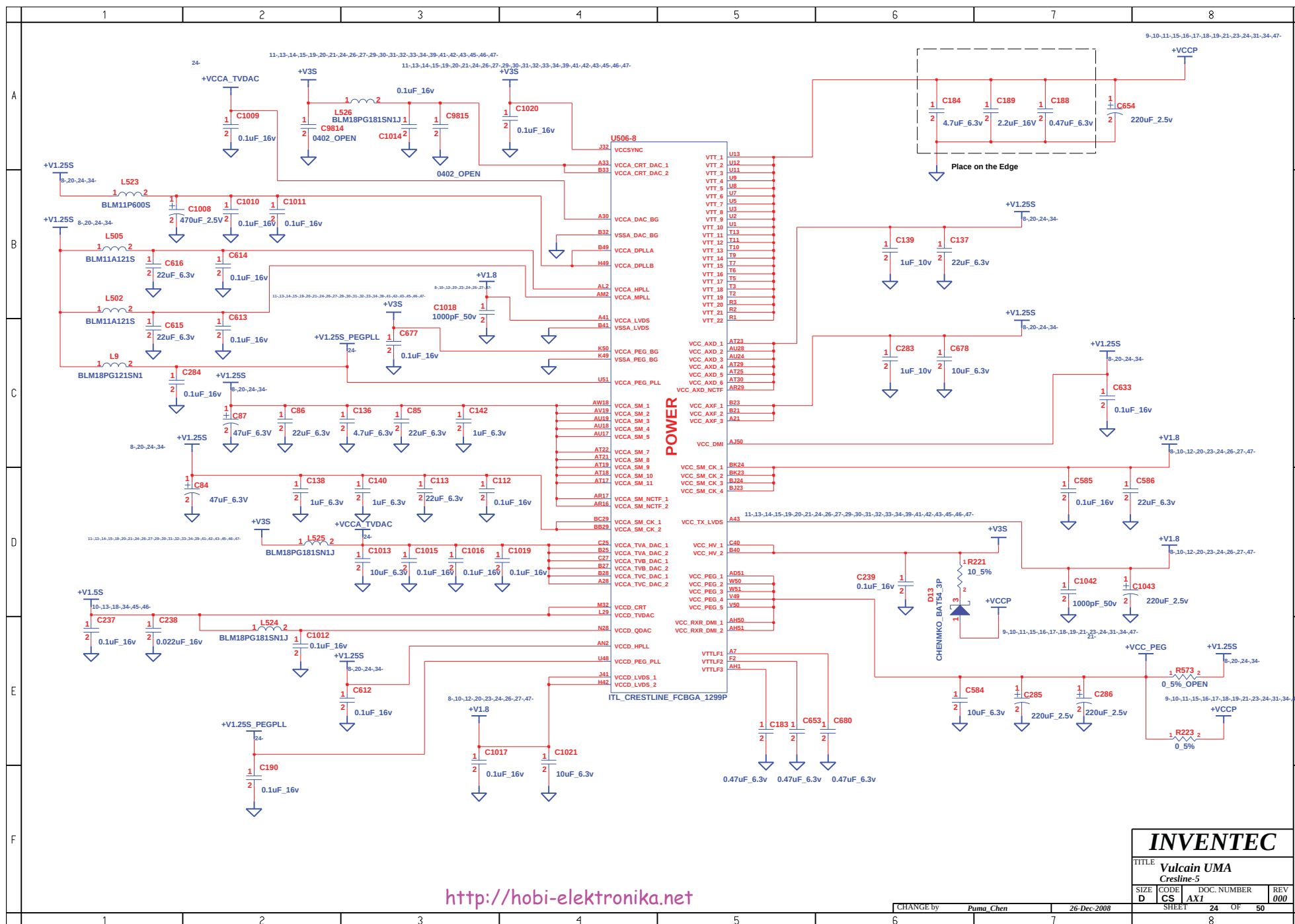
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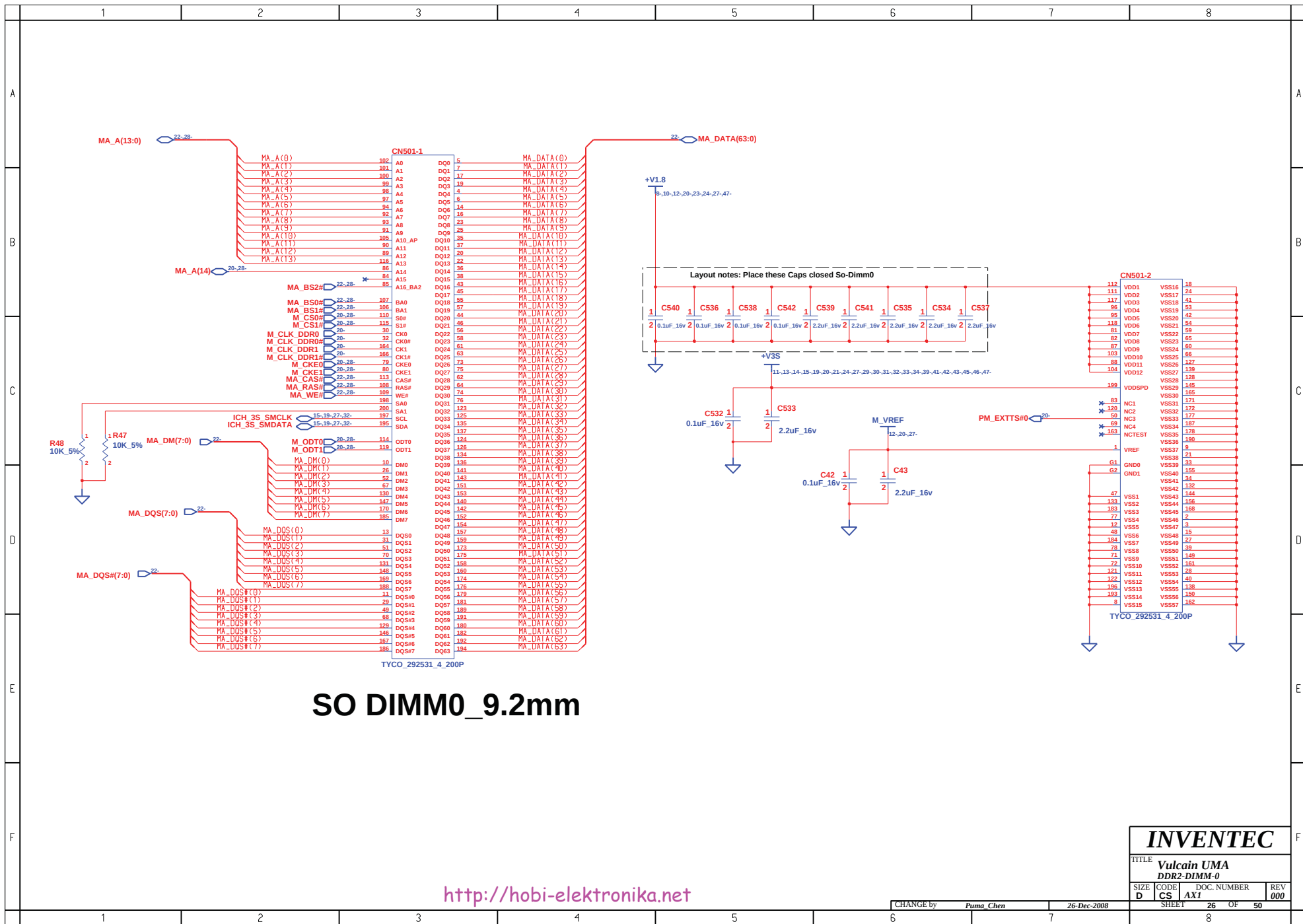
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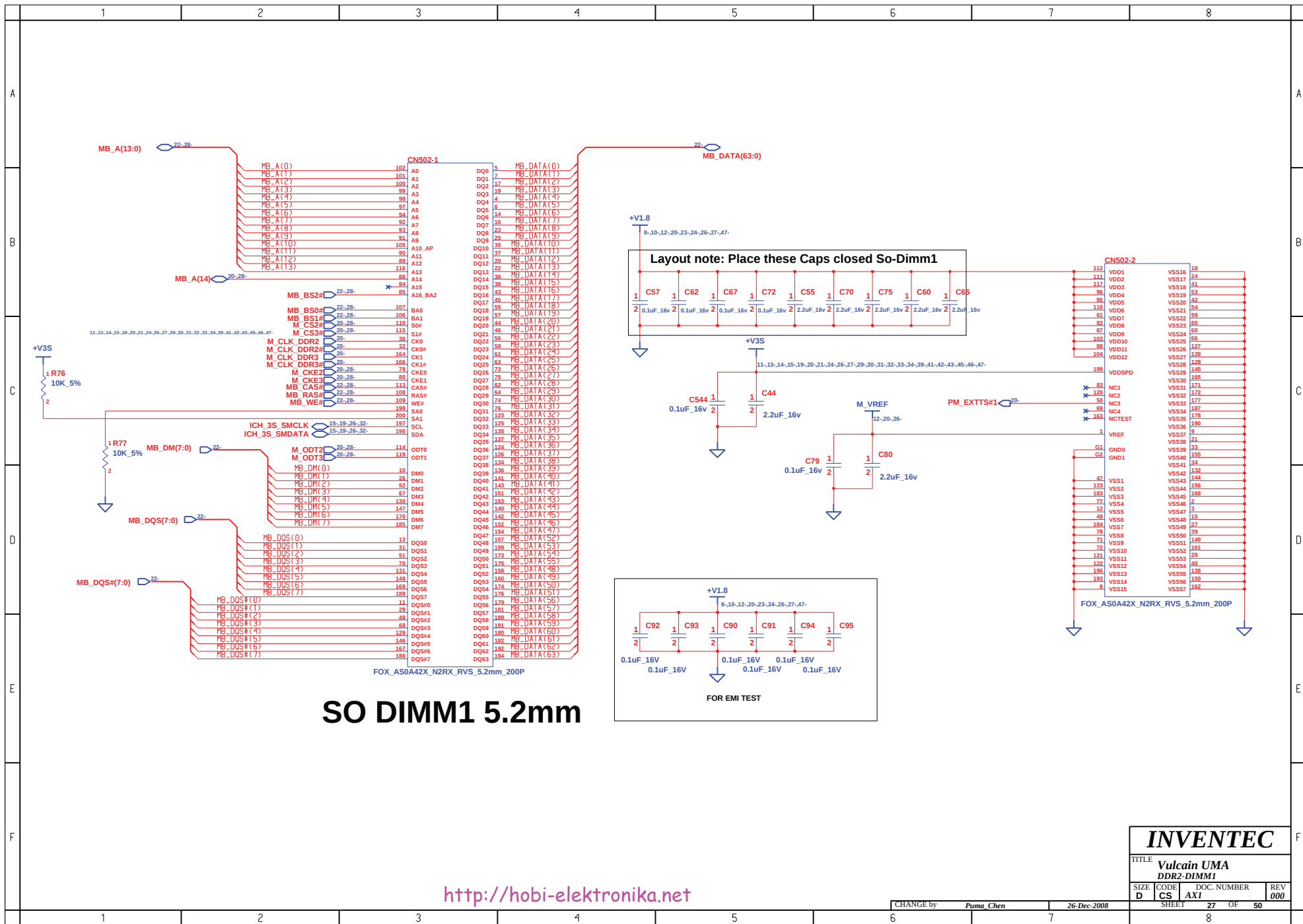
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TITLE
Vulcain UMA
DDR2-DIMM-0

SIZE	CODE	DOC. NUMBER	REV
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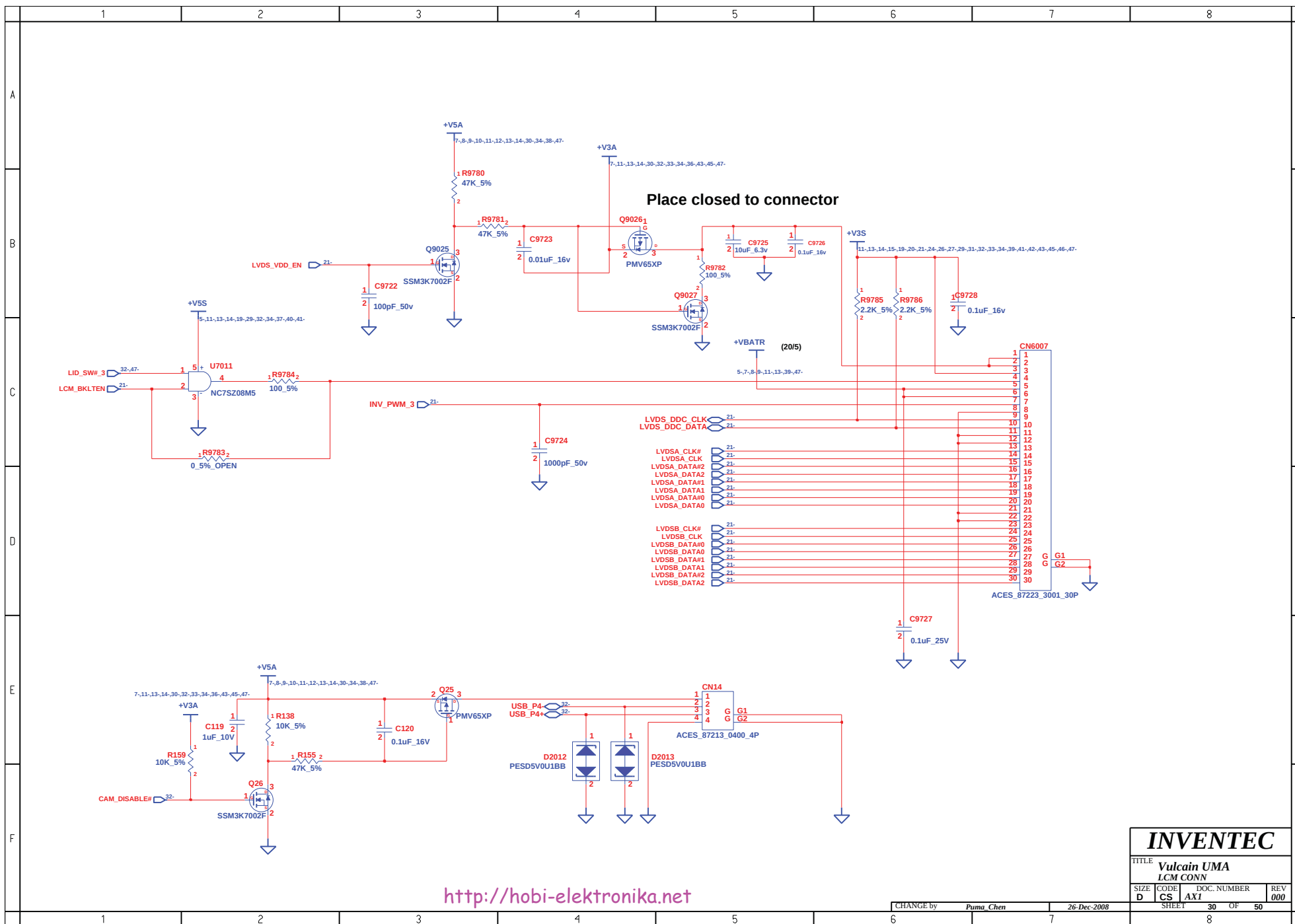
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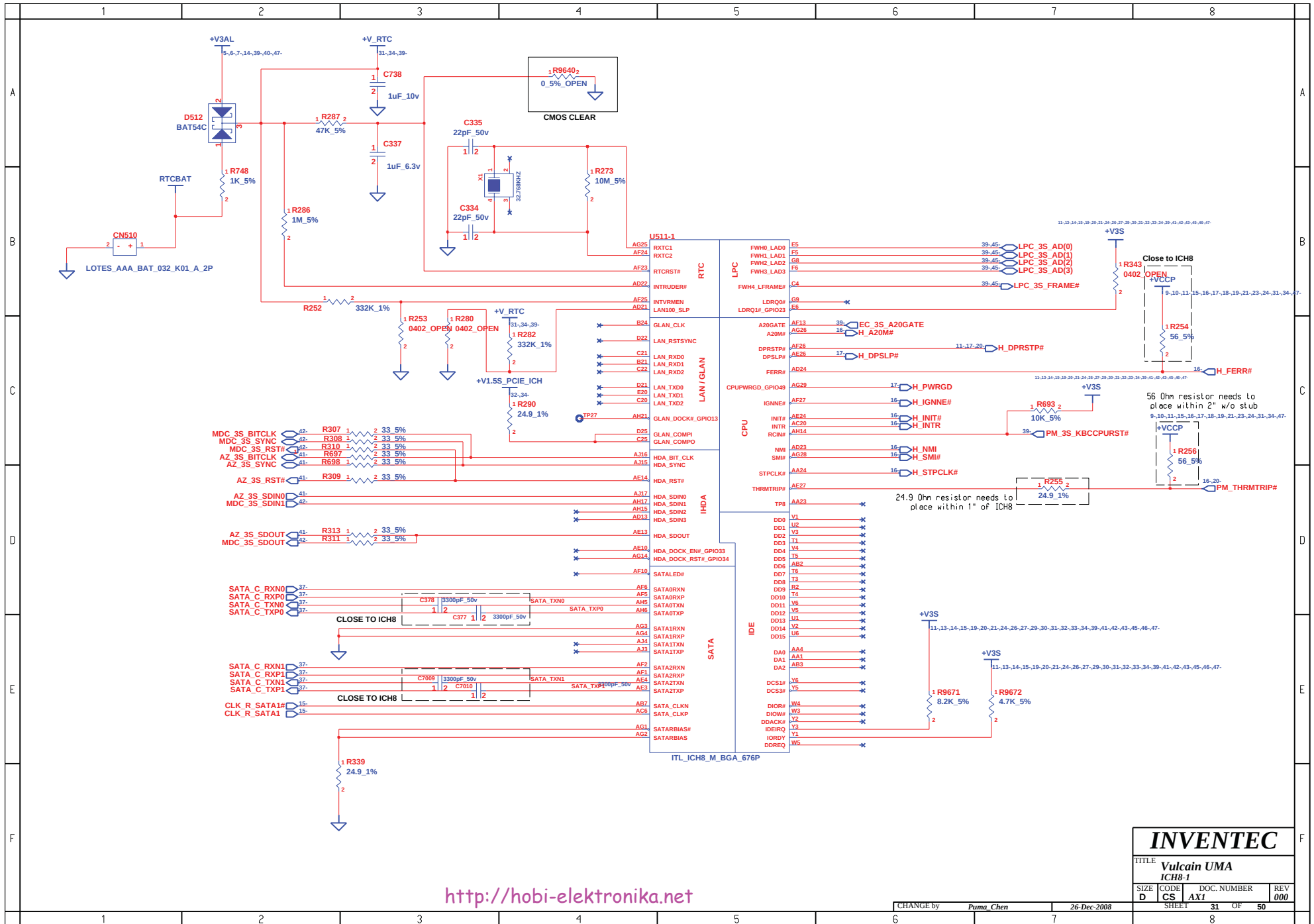
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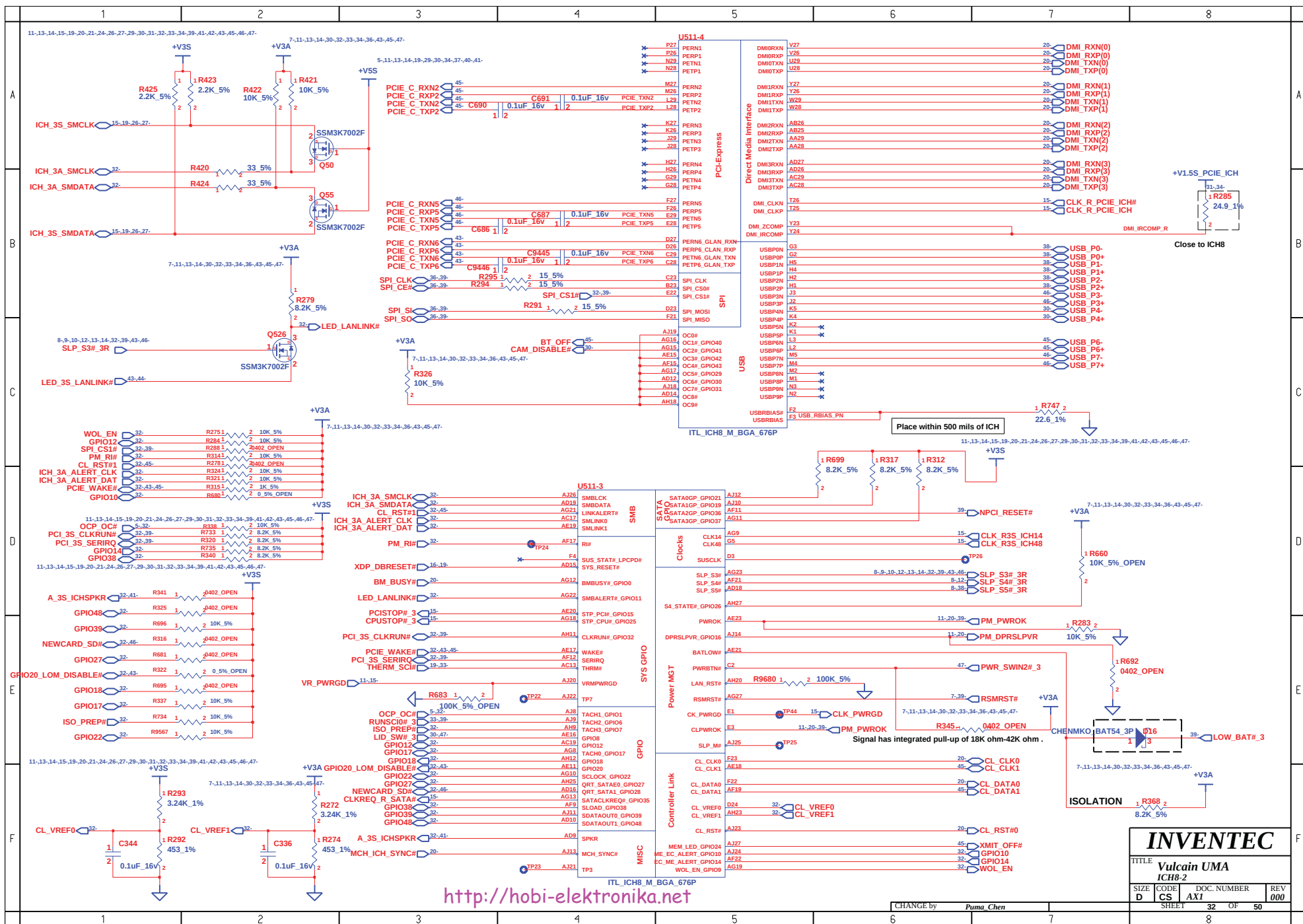


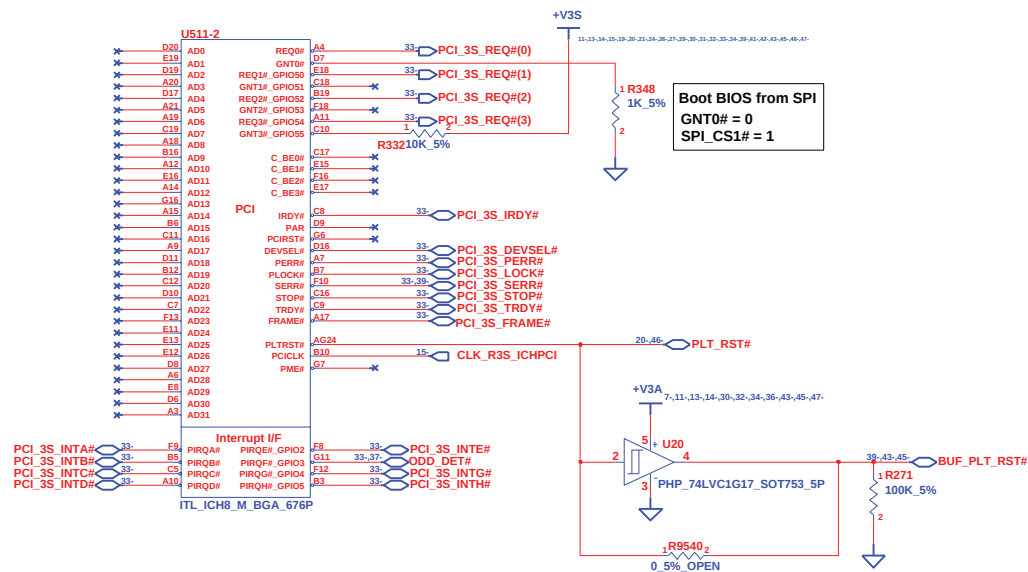
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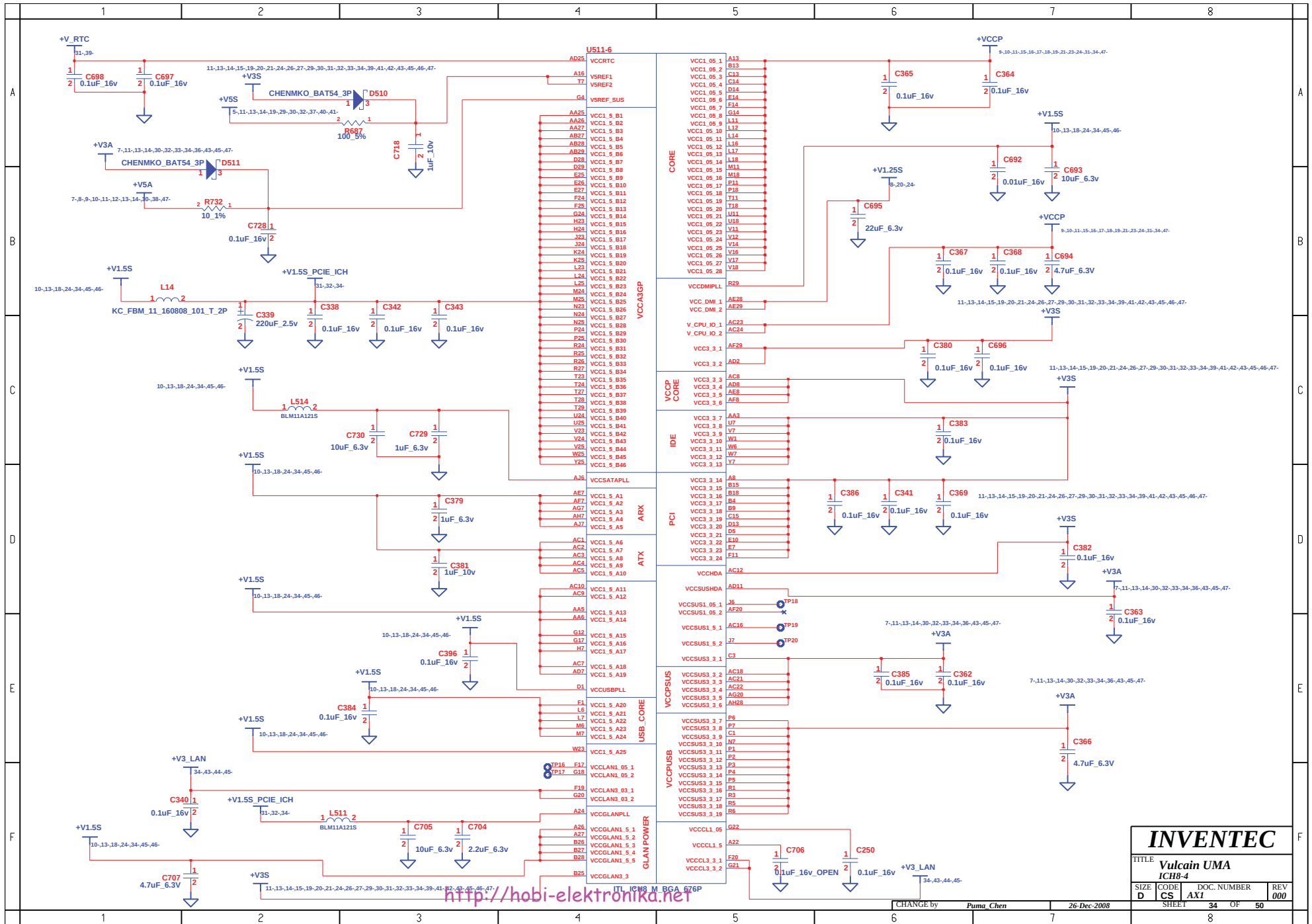
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INVENTEC

TITLE			
Vulcain UMA ICH8-4			
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>VSS080</td><td>VSS178</td><td>AB4</td></tr><tr><td>G26</td><td>VSS081</td><td>VSS179</td><td>AB23</td></tr><tr><td>G27</td><td>VSS082</td><td>VSS180</td><td>AB5</td></tr><tr><td>H25</td><td>VSS083</td><td>VSS181</td><td>AB6</td></tr><tr><td>H29</td><td>VSS084</td><td>VSS182</td><td>AD5</td></tr><tr><td>H29</td><td>VSS085</td><td>VSS183</td><td>U4</td></tr><tr><td>H3</td><td>VSS086</td><td>VSS184</td><td>W24</td></tr><tr><td>H6</td><td>VSS087</td><td>VSS.NCTF. 01</td><td>A1</td></tr><tr><td>J1</td><td>VSS088</td><td>VSS.NCTF. 02</td><td>A2</td></tr><tr><td>J25</td><td>VSS089</td><td>VSS.NCTF. 03</td><td>A28</td></tr><tr><td>J26</td><td>VSS090</td><td>VSS.NCTF. 04</td><td>A29</td></tr><tr><td>J27</td><td>VSS091</td><td>VSS.NCTF. 05</td><td>AH1</td></tr><tr><td>J4</td><td>VSS092</td><td>VSS.NCTF. 06</td><td>AH29</td></tr><tr><td>J5</td><td>VSS093</td><td>VSS.NCTF. 07</td><td>AJ1</td></tr><tr><td>K23</td><td>VSS094</td><td>VSS.NCTF. 08</td><td>AJ2</td></tr><tr><td>K29</td><td>VSS095</td><td>VSS.NCTF. 09</td><td>AJ28</td></tr><tr><td>K29</td><td>VSS096</td><td>VSS.NCTF. 10</td><td>AJ29</td></tr><tr><td>K3</td><td>VSS097</td><td>VSS.NCTF. 011</td><td>B1</td></tr><tr><td>K6</td><td>VSS098</td><td>VSS.NCTF. 012</td><td>B29</td></tr></table> ITL_ICH8_M_BGA_676P								A23	VSS001	VSS099	K7	A5	VSS002	VSS100	L1	A6	VSS003	VSS101	L12	A67	VSS004	VSS102	L15	A25	VSS005	VSS103	L26	AB1	VSS006	VSS104	L27	AB24	VSS007	VSS105	L4	AC11	VSS008	VSS106	L5	AC14	VSS009	VSS107	M12	AC25	VSS010	VSS108	M13	AC26	VSS011	VSS109	M14	AC27	VSS012	VSS110	M15	AD17	VSS013	VSS111	M16	AD26	VSS014	VSS112	M17	AD28	VSS015	VSS113	M23	AD29	VSS016	VSS114	M28	AD3	VSS017	VSS115	M29	AD4	VSS018	VSS116	M3	AD6	VSS019	VSS117	N1	AE1	VSS020	VSS118	N11	AE12	VSS021	VSS119	N12	AE2	VSS022	VSS120	N13	AE22	VSS023	VSS121	N14	AD1	VSS024	VSS122	N15	AE25	VSS025	VSS123	N16	AE5	VSS026	VSS124	N17	AE6	VSS027	VSS125	N18	AE9	VSS028	VSS126	N26	AF14	VSS029	VSS127	N27	AF16	VSS030	VSS128	N4	AF18	VSS031	VSS129	N5	AF3	VSS032	VSS130	N6	AF4	VSS033	VSS131	P12	AG5	VSS034	VSS132	P13	AG6	VSS035	VSS133	P14	AH10	VSS036	VSS134	P15	AH13	VSS037	VSS135	P16	AH16	VSS038	VSS136	P17	AH19	VSS039	VSS137	P23	AH2	VSS040	VSS138	P28	AF28	VSS041	VSS139	P29	AH22	VSS042	VSS140	R11	AH24	VSS043	VSS141	R12	AH26	VSS044	VSS142	R13	AH3	VSS045	VSS143	R14	AH4	VSS046	VSS144	R15	AH6	VSS047	VSS145	R16	AJ5	VSS048	VSS146	R17	BI1	VSS049	VSS147	R18	BI4	VSS050	VSS148	R28	BI7	VSS051	VSS149	R4	B2	VSS052	VSS150	T12	B20	VSS053	VSS151	T13	B27	VSS054	VSS152	T14	B8	VSS055	VSS153	T15	C24	VSS056	VSS154	T16	C26	VSS057	VSS155	T17	C27	VSS058	VSS156	T2	C6	VSS059	VSS157	U12	D12	VSS060	VSS158	U13	D15	VSS061	VSS159	U14	D18	VSS062	VSS160	U15	D2	VSS063	VSS161	U16	D4	VSS064	VSS162	U17	E21	VSS065	VSS163	U23	E24	VSS066	VSS164	U26	E4	VSS067	VSS165	U27	E6	VSS068	VSS166	U3	F15	VSS069	VSS167	U5	E23	VSS070	VSS168	V13	F28	VSS071	VSS169	V15	F26	VSS072	VSS170	V28	F7	VSS073	VSS171	V29	G1	VSS074	VSS172	W2	G2	VSS075	VSS173	W26	G16	VSS076	VSS174	W27	G17	VSS077	VSS175	Y28	G19	VSS078	VSS176	Y29	G23	VSS079	VSS177	Y4	G25	VSS080	VSS178	AB4	G26	VSS081	VSS179	AB23	G27	VSS082	VSS180	AB5	H25	VSS083	VSS181	AB6	H29	VSS084	VSS182	AD5	H29	VSS085	VSS183	U4	H3	VSS086	VSS184	W24	H6	VSS087	VSS.NCTF. 01	A1	J1	VSS088	VSS.NCTF. 02	A2	J25	VSS089	VSS.NCTF. 03	A28	J26	VSS090	VSS.NCTF. 04	A29	J27	VSS091	VSS.NCTF. 05	AH1	J4	VSS092	VSS.NCTF. 06	AH29	J5	VSS093	VSS.NCTF. 07	AJ1	K23	VSS094	VSS.NCTF. 08	AJ2	K29	VSS095	VSS.NCTF. 09	AJ28	K29	VSS096	VSS.NCTF. 10	AJ29	K3	VSS097	VSS.NCTF. 011	B1	K6	VSS098	VSS.NCTF. 012	B29
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BI4	VSS050	VSS148	R28																																																																																																																																																																																																																																																																																																																																																																																																													
BI7	VSS051	VSS149	R4																																																																																																																																																																																																																																																																																																																																																																																																													
B2	VSS052	VSS150	T12																																																																																																																																																																																																																																																																																																																																																																																																													
B20	VSS053	VSS151	T13																																																																																																																																																																																																																																																																																																																																																																																																													
B27	VSS054	VSS152	T14																																																																																																																																																																																																																																																																																																																																																																																																													
B8	VSS055	VSS153	T15																																																																																																																																																																																																																																																																																																																																																																																																													
C24	VSS056	VSS154	T16																																																																																																																																																																																																																																																																																																																																																																																																													
C26	VSS057	VSS155	T17																																																																																																																																																																																																																																																																																																																																																																																																													
C27	VSS058	VSS156	T2																																																																																																																																																																																																																																																																																																																																																																																																													
C6	VSS059	VSS157	U12																																																																																																																																																																																																																																																																																																																																																																																																													
D12	VSS060	VSS158	U13																																																																																																																																																																																																																																																																																																																																																																																																													
D15	VSS061	VSS159	U14																																																																																																																																																																																																																																																																																																																																																																																																													
D18	VSS062	VSS160	U15																																																																																																																																																																																																																																																																																																																																																																																																													
D2	VSS063	VSS161	U16																																																																																																																																																																																																																																																																																																																																																																																																													
D4	VSS064	VSS162	U17																																																																																																																																																																																																																																																																																																																																																																																																													
E21	VSS065	VSS163	U23																																																																																																																																																																																																																																																																																																																																																																																																													
E24	VSS066	VSS164	U26																																																																																																																																																																																																																																																																																																																																																																																																													
E4	VSS067	VSS165	U27																																																																																																																																																																																																																																																																																																																																																																																																													
E6	VSS068	VSS166	U3																																																																																																																																																																																																																																																																																																																																																																																																													
F15	VSS069	VSS167	U5																																																																																																																																																																																																																																																																																																																																																																																																													
E23	VSS070	VSS168	V13																																																																																																																																																																																																																																																																																																																																																																																																													
F28	VSS071	VSS169	V15																																																																																																																																																																																																																																																																																																																																																																																																													
F26	VSS072	VSS170	V28																																																																																																																																																																																																																																																																																																																																																																																																													
F7	VSS073	VSS171	V29																																																																																																																																																																																																																																																																																																																																																																																																													
G1	VSS074	VSS172	W2																																																																																																																																																																																																																																																																																																																																																																																																													
G2	VSS075	VSS173	W26																																																																																																																																																																																																																																																																																																																																																																																																													
G16	VSS076	VSS174	W27																																																																																																																																																																																																																																																																																																																																																																																																													
G17	VSS077	VSS175	Y28																																																																																																																																																																																																																																																																																																																																																																																																													
G19	VSS078	VSS176	Y29																																																																																																																																																																																																																																																																																																																																																																																																													
G23	VSS079	VSS177	Y4																																																																																																																																																																																																																																																																																																																																																																																																													
G25	VSS080	VSS178	AB4																																																																																																																																																																																																																																																																																																																																																																																																													
G26	VSS081	VSS179	AB23																																																																																																																																																																																																																																																																																																																																																																																																													
G27	VSS082	VSS180	AB5																																																																																																																																																																																																																																																																																																																																																																																																													
H25	VSS083	VSS181	AB6																																																																																																																																																																																																																																																																																																																																																																																																													
H29	VSS084	VSS182	AD5																																																																																																																																																																																																																																																																																																																																																																																																													
H29	VSS085	VSS183	U4																																																																																																																																																																																																																																																																																																																																																																																																													
H3	VSS086	VSS184	W24																																																																																																																																																																																																																																																																																																																																																																																																													
H6	VSS087	VSS.NCTF. 01	A1																																																																																																																																																																																																																																																																																																																																																																																																													
J1	VSS088	VSS.NCTF. 02	A2																																																																																																																																																																																																																																																																																																																																																																																																													
J25	VSS089	VSS.NCTF. 03	A28																																																																																																																																																																																																																																																																																																																																																																																																													
J26	VSS090	VSS.NCTF. 04	A29																																																																																																																																																																																																																																																																																																																																																																																																													
J27	VSS091	VSS.NCTF. 05	AH1																																																																																																																																																																																																																																																																																																																																																																																																													
J4	VSS092	VSS.NCTF. 06	AH29																																																																																																																																																																																																																																																																																																																																																																																																													
J5	VSS093	VSS.NCTF. 07	AJ1																																																																																																																																																																																																																																																																																																																																																																																																													
K23	VSS094	VSS.NCTF. 08	AJ2																																																																																																																																																																																																																																																																																																																																																																																																													
K29	VSS095	VSS.NCTF. 09	AJ28																																																																																																																																																																																																																																																																																																																																																																																																													
K29	VSS096	VSS.NCTF. 10	AJ29																																																																																																																																																																																																																																																																																																																																																																																																													
K3	VSS097	VSS.NCTF. 011	B1																																																																																																																																																																																																																																																																																																																																																																																																													
K6	VSS098	VSS.NCTF. 012	B29																																																																																																																																																																																																																																																																																																																																																																																																													
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CHANGE by		Puma Chen	26-Dec-2008
SHEET	35	OF	50

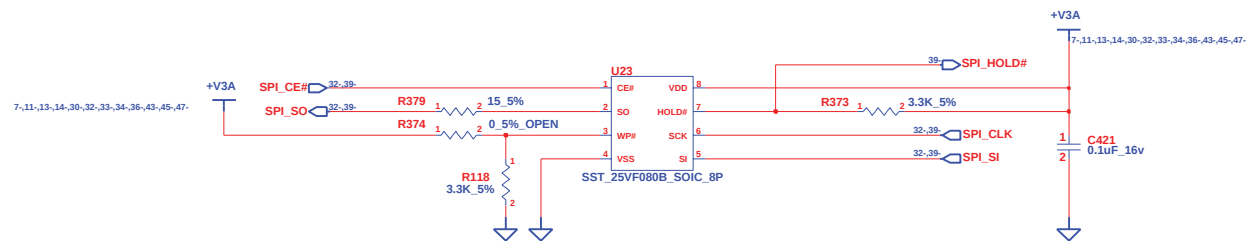
INVENTEC

TITLE

Vulcain UMA

ICH8-5

SIZE	CODE	DOC. NUMBER	REV
D	CS	AX1	000

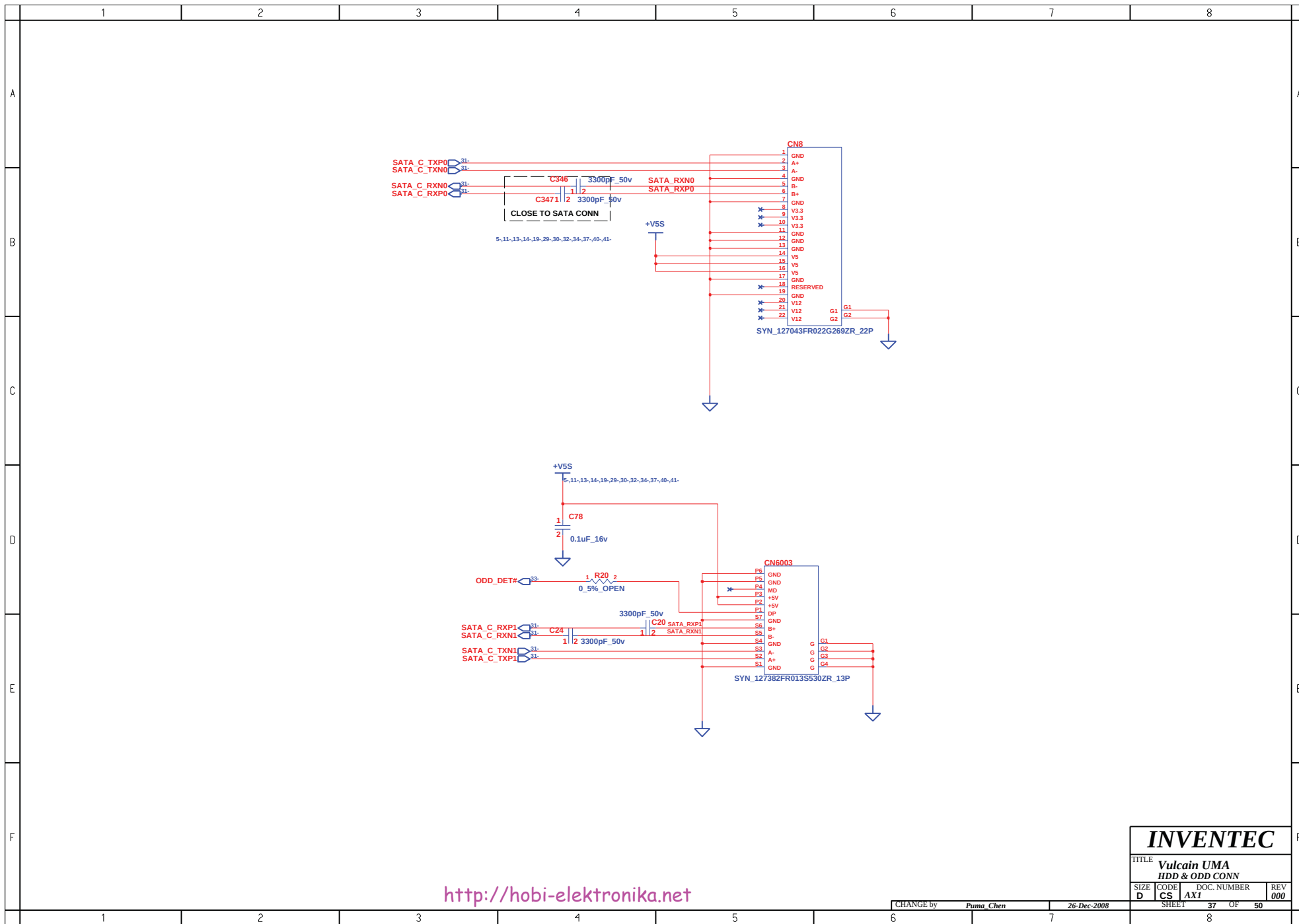


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INVENTEC			
TITLE Vulcain UMA			
SYSTEM BIOS&ODD EXT/B			
SIZE	CODE	DOC. NUMBER	REV
D	CS	AXI	000
SHEET		36	OF 50

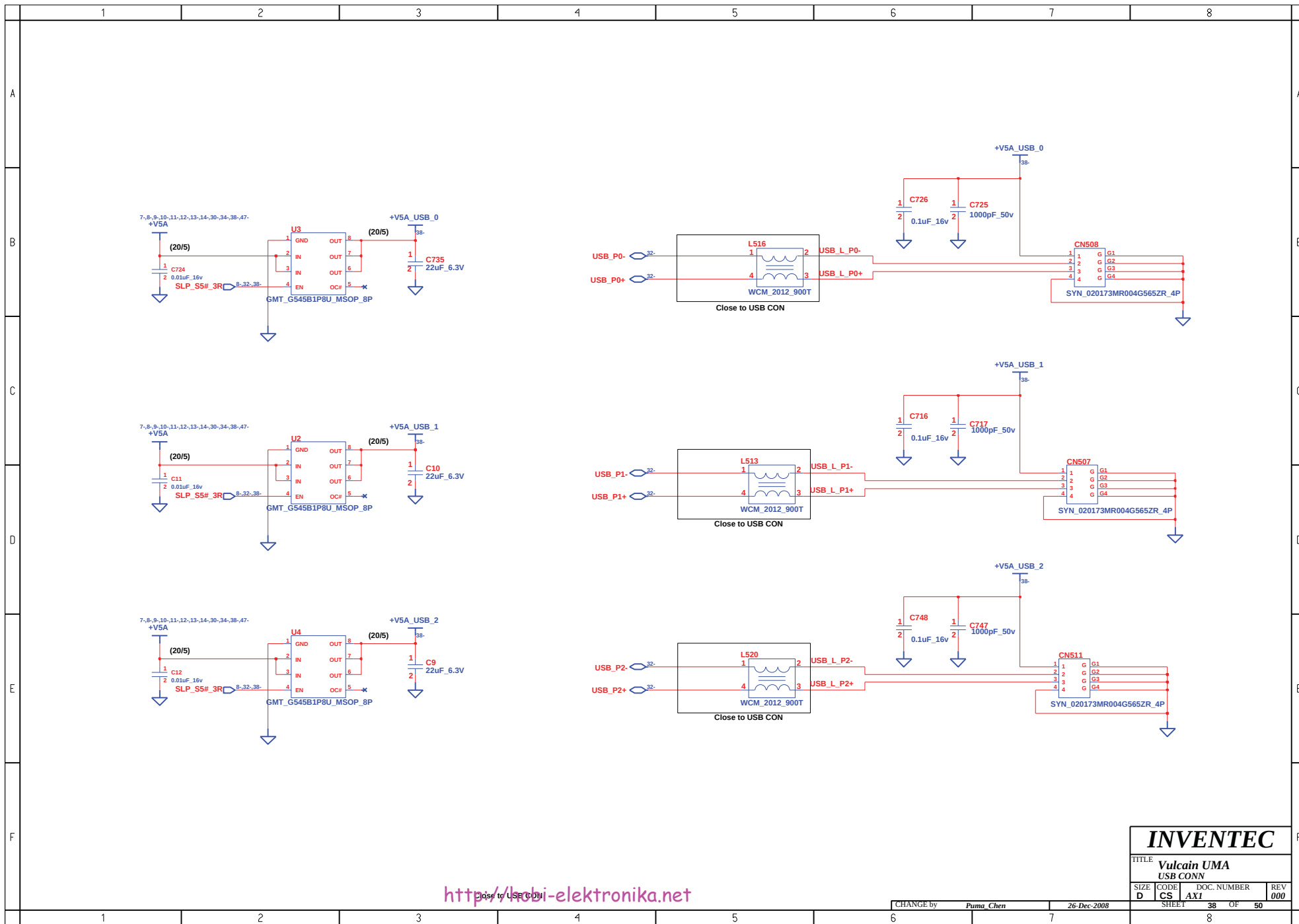
CHANGE by *Puma Chen* 26-Dec-2008

8



INVENTEC			
TITLE Vulcain UMA HDD & ODD CONN			
SIZE D	CODE CS	DOC. NUMBER AX1	REV 000
SHEET 37 OF 50			

CHANGE by Puma Chen 26-Dec-2008

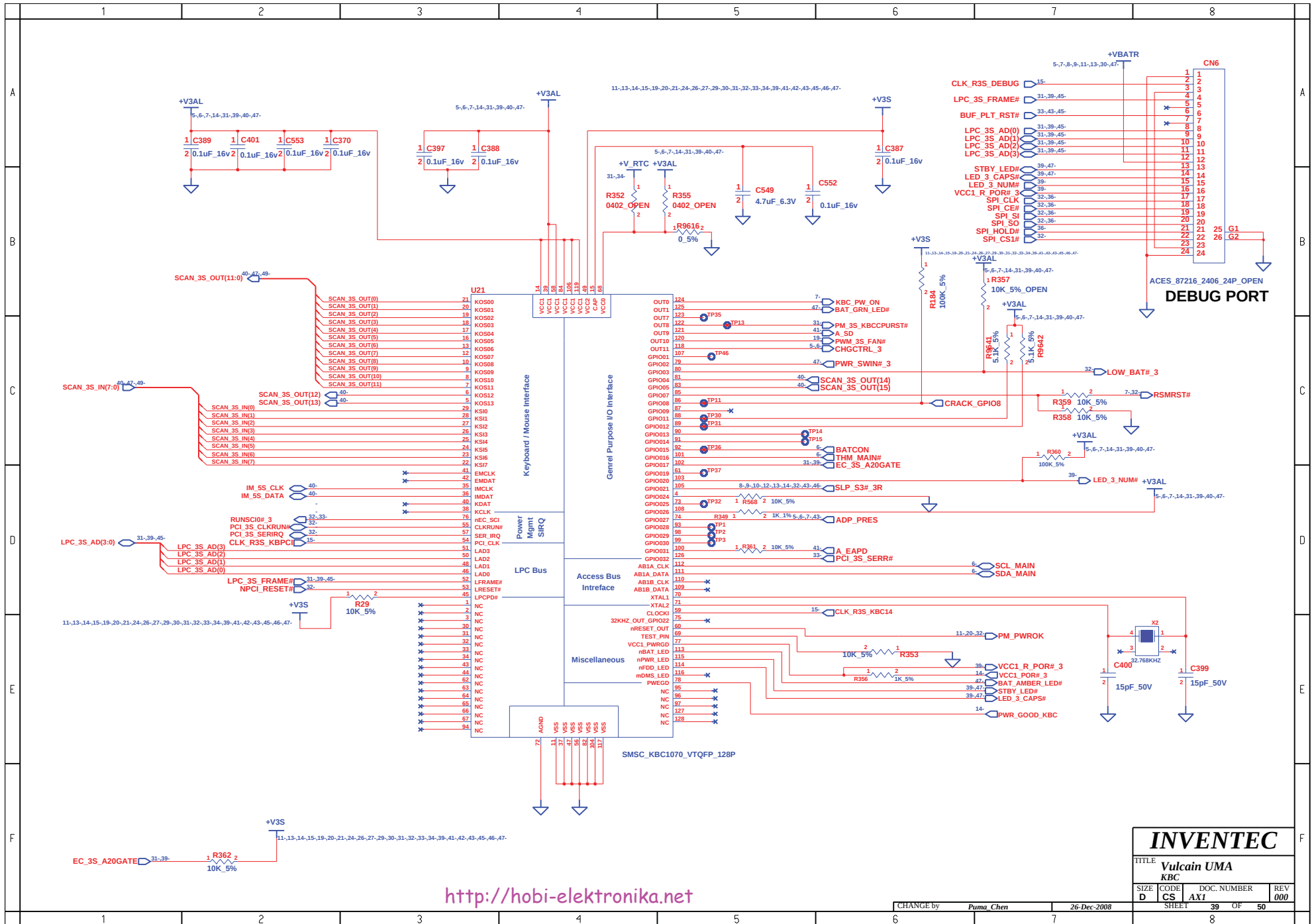


INVENTEC

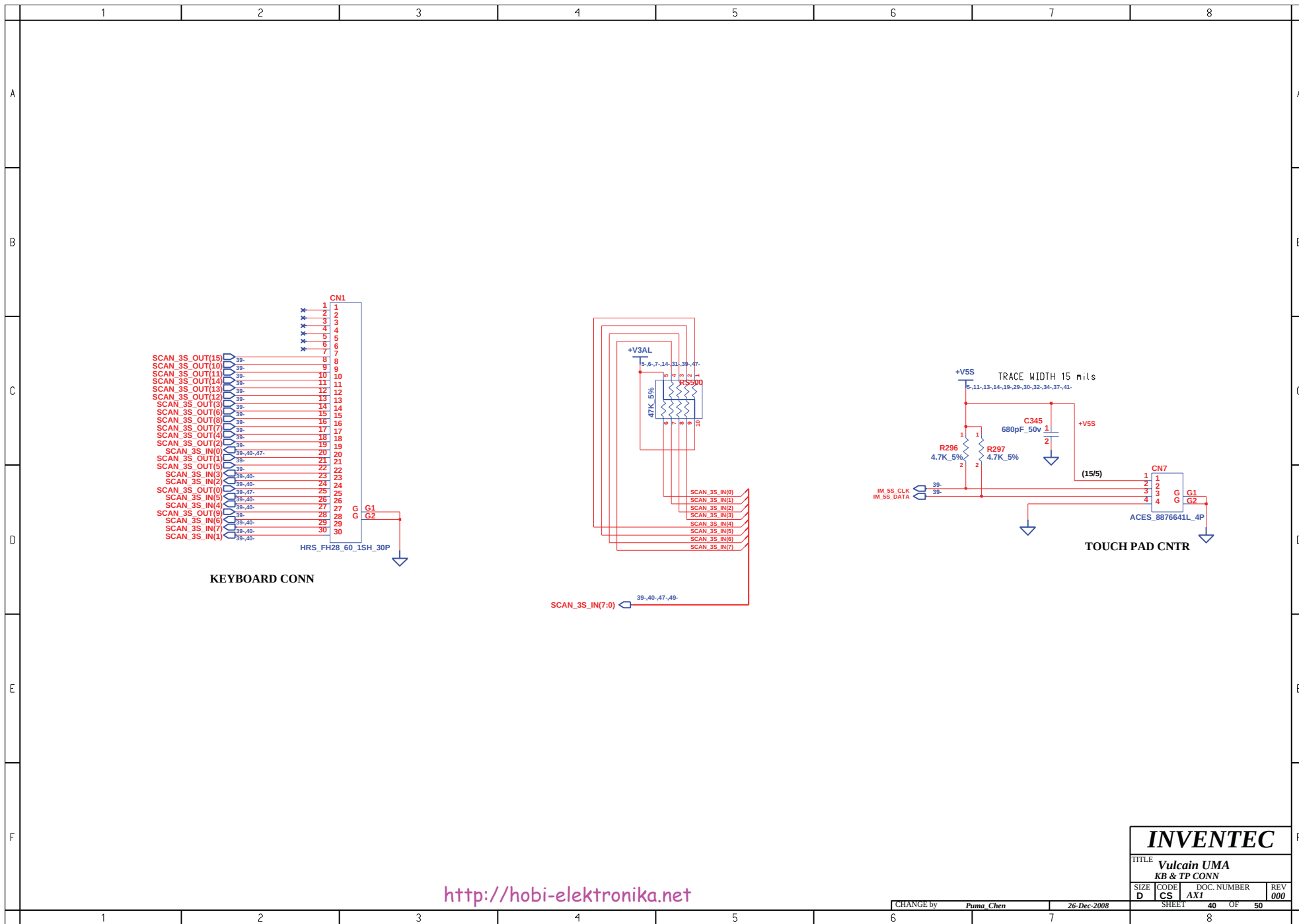
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Vulcain UMA			
USB CONN			
SIZE	CODE	DOC. NUMBER	REV
D	CS	AX1	000

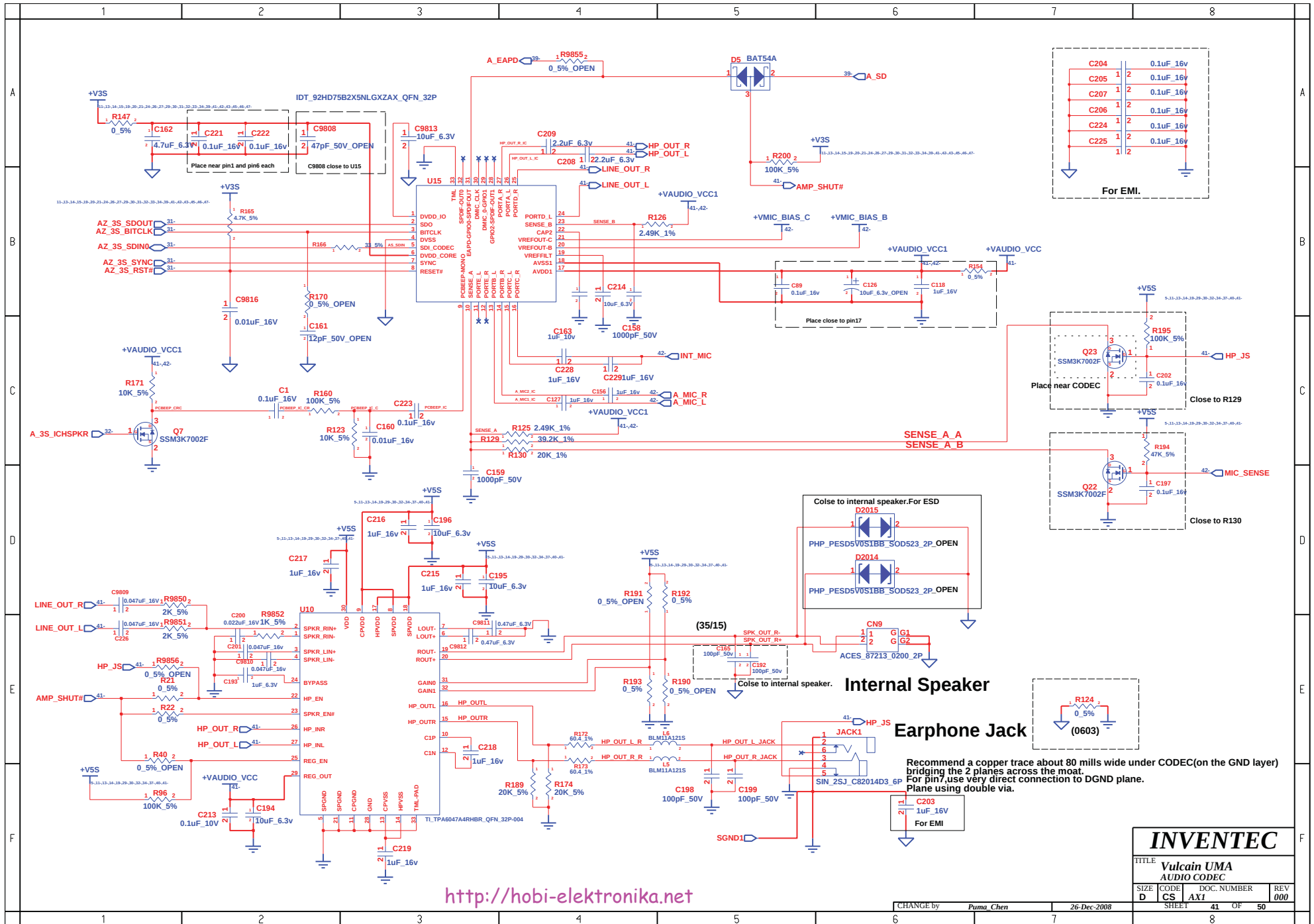
CHANGE by Puma Chen 26-Dec-2008

SHEET 38 OF 50

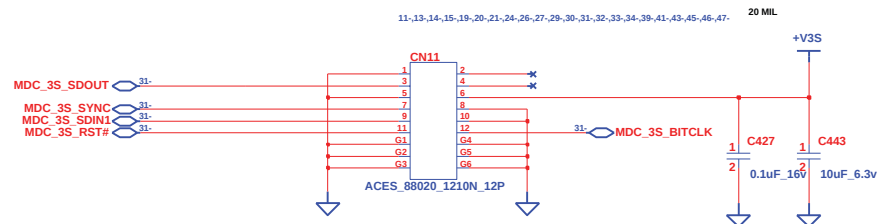
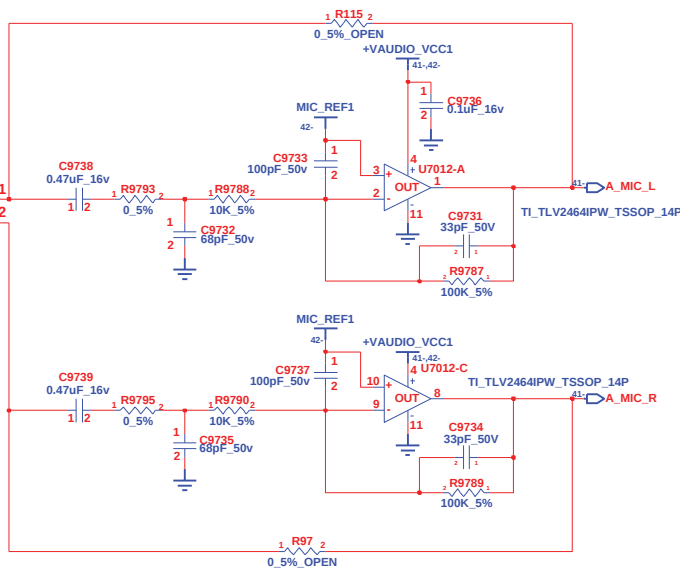
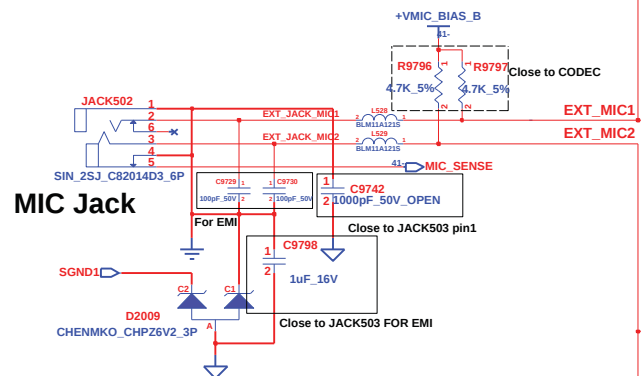
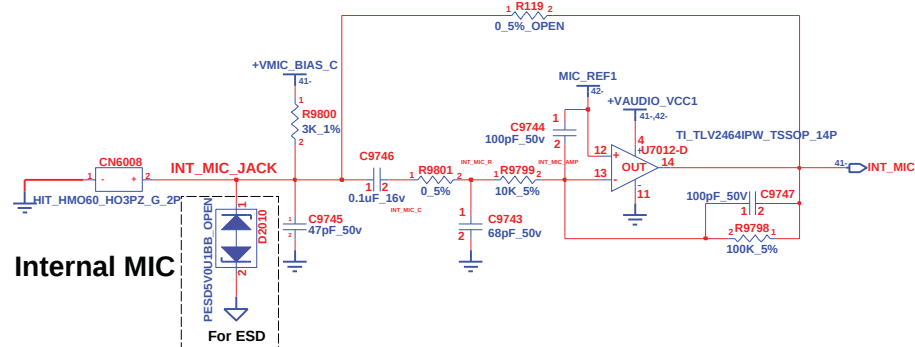
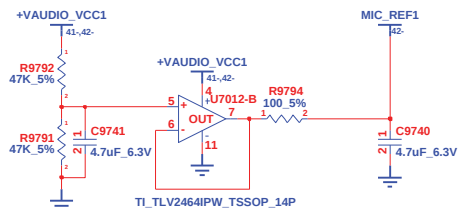


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MDC CNTR

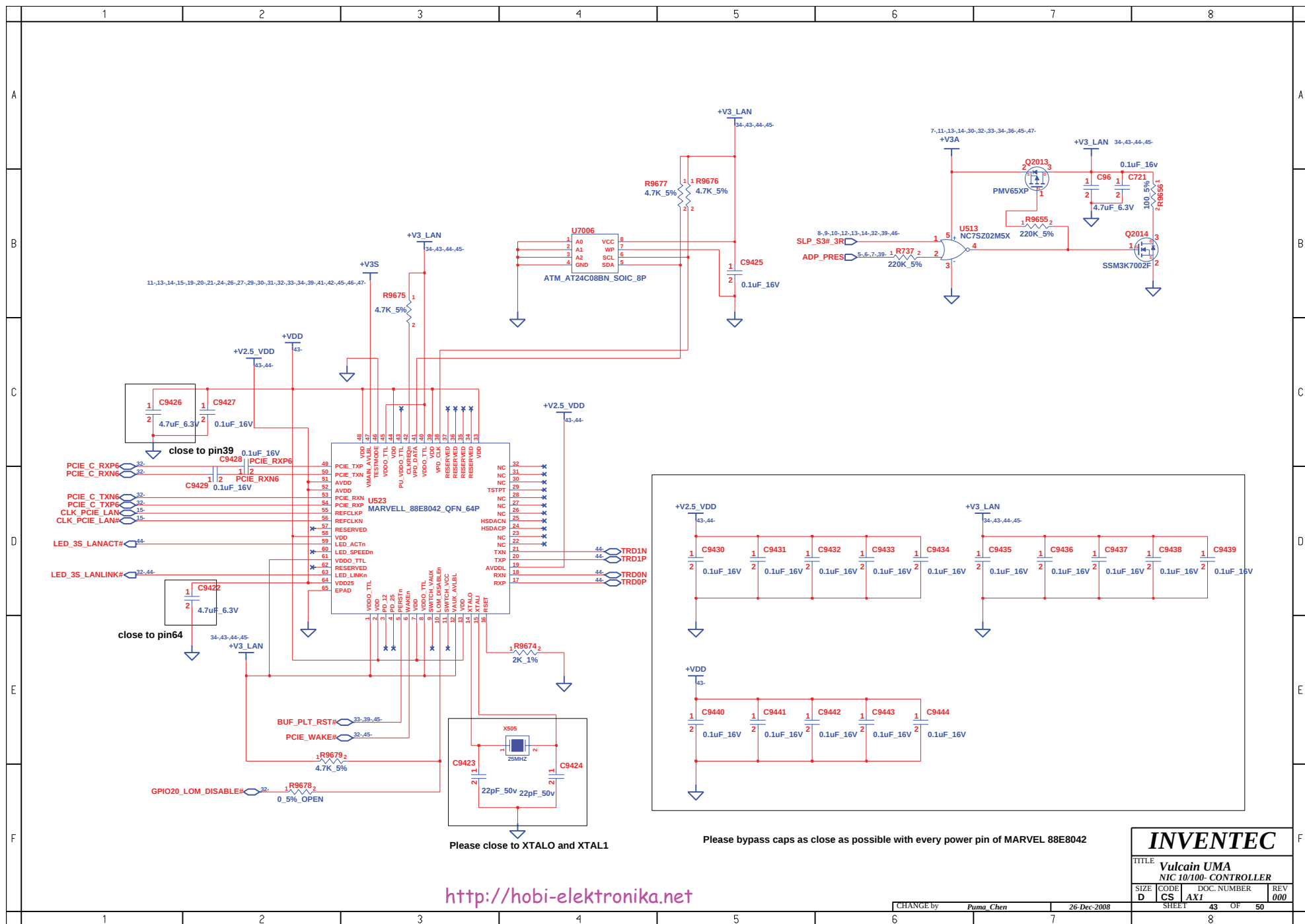
<http://hobi-elektronika.net>

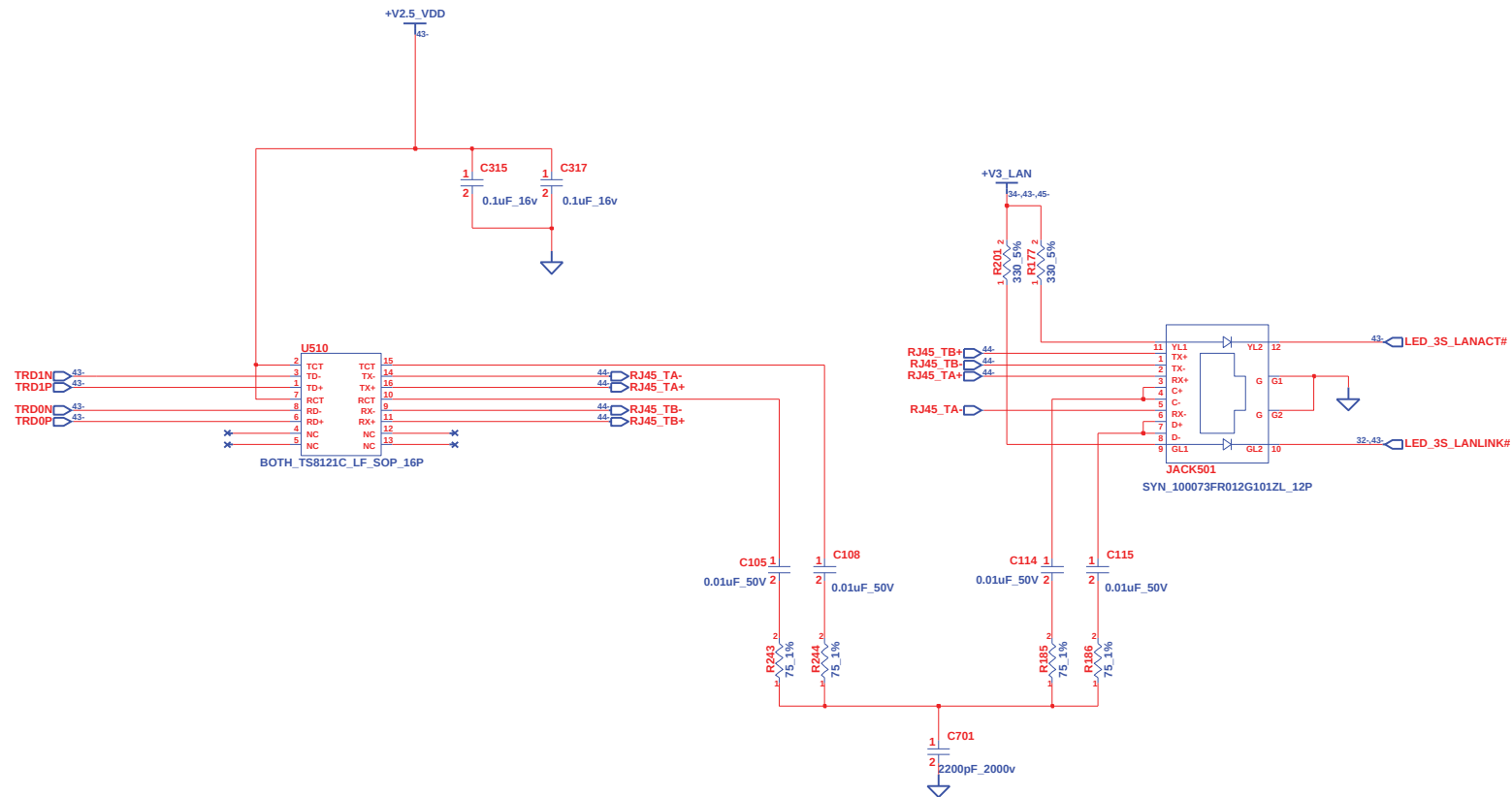
INVENTEC

TITLE			
Vulcain UMA			
MDC CNTR			
SIZE	CODE	DOC. NUMBER	REV
D	CS	AX1	000

CHANGE by Puma Chen 26-Dec-2008

SHEET 42 OF 50





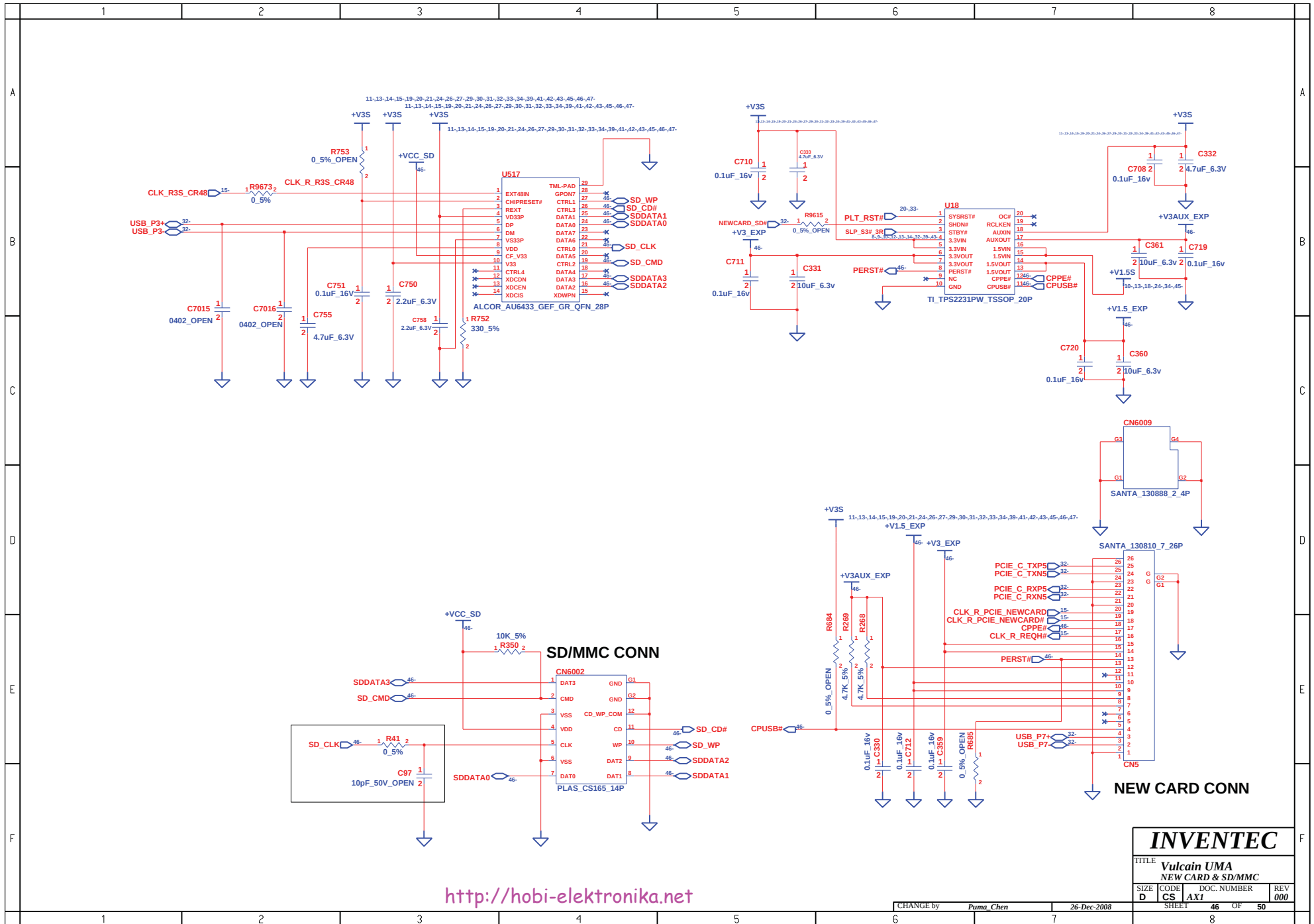
<http://hobi-elektronika.net>

INVENTEC			
TITLE Vulcain UMA			
NIC 10/100 - RJ45			
SIZE	CODE	DOC. NUMBER	REV
D	CS	AXI	000
CHANGE by		26-Dec-2008	
Puma Chen			
SHEET		44	OF 50
		8	



SHEET 45 OF 50

8

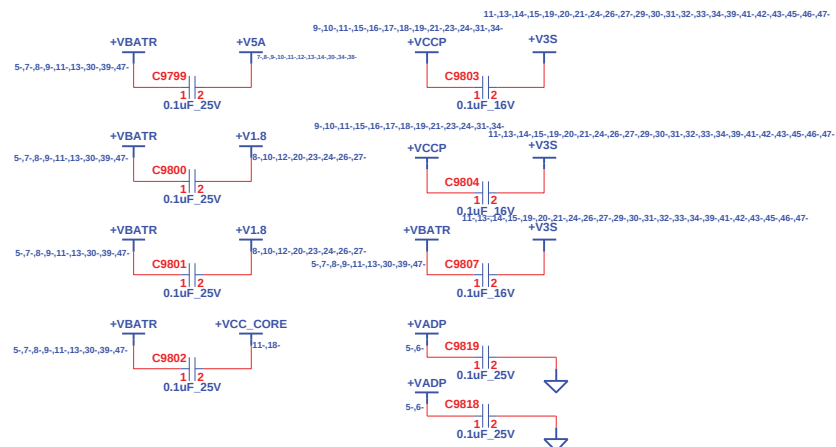
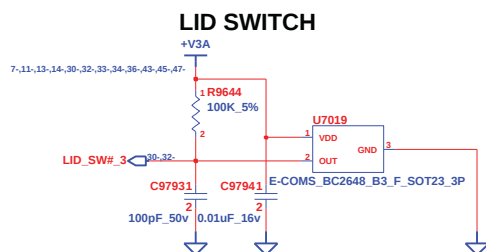
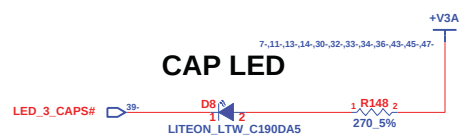
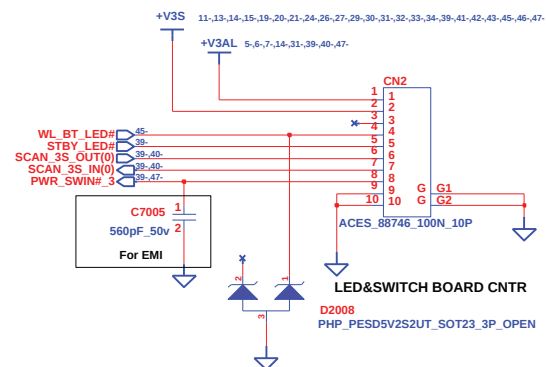


INVENTEC

TITLE			
Vulcain UMA NEW CARD & SD/MMC			
SIZE	CODE	DOC. NUMBER	REV
D	CS	AXI	000

CHANGE by Puma Chen 26-Dec-2008

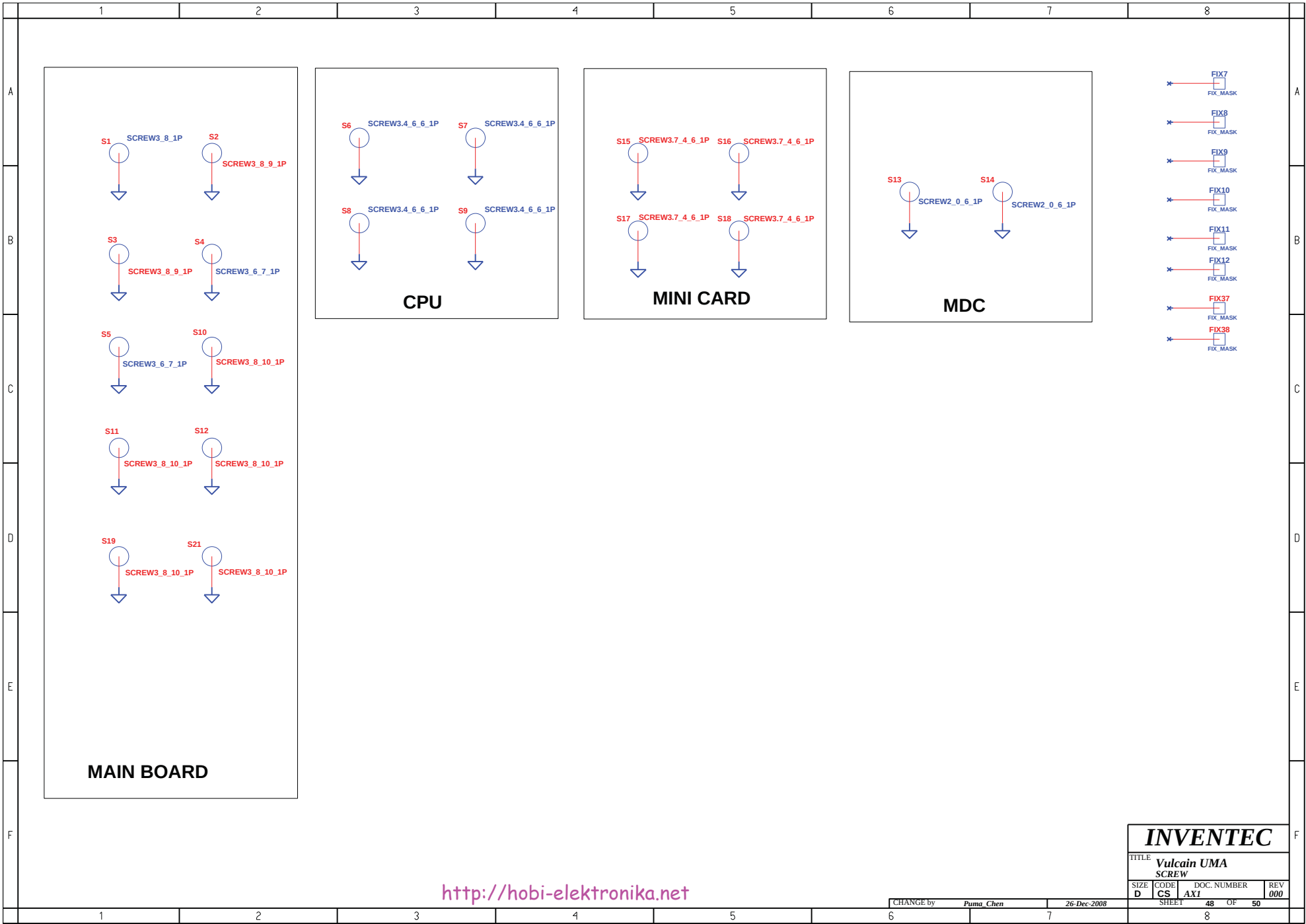
SHEET 46 OF 50



EMC:For power plan

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INVENTEC			
TITLE Vulcain UMA BUTTON & LED			
SIZE D	CODE CS	DOC. NUMBER AX1	REV 000
SHEET		47	OF 50
8			



MAIN BOARD

S6

SCREW3.4_6_6_1P

S7

SCREW3.4_6_6_1P

S8

SCREW3.4_6_6_1P

S9

SCREW3.4_6_6_1P

CPU

S15

SCREW3.7_4_6_1P

S16

SCREW3.7_4_6_1P

S17

SCREW3.7_4_6_1P

S18

SCREW3.7_4_6_1P

MINI CARD

S13

SCREW2_0_6_1P

S14

SCREW2_0_6_1P

MDC

FIX7

FIX_MASK

FIX8

FIX_MASK

FIX9

FIX_MASK

FIX10

FIX_MASK

FIX11

FIX_MASK

FIX12

FIX_MASK

FIX37

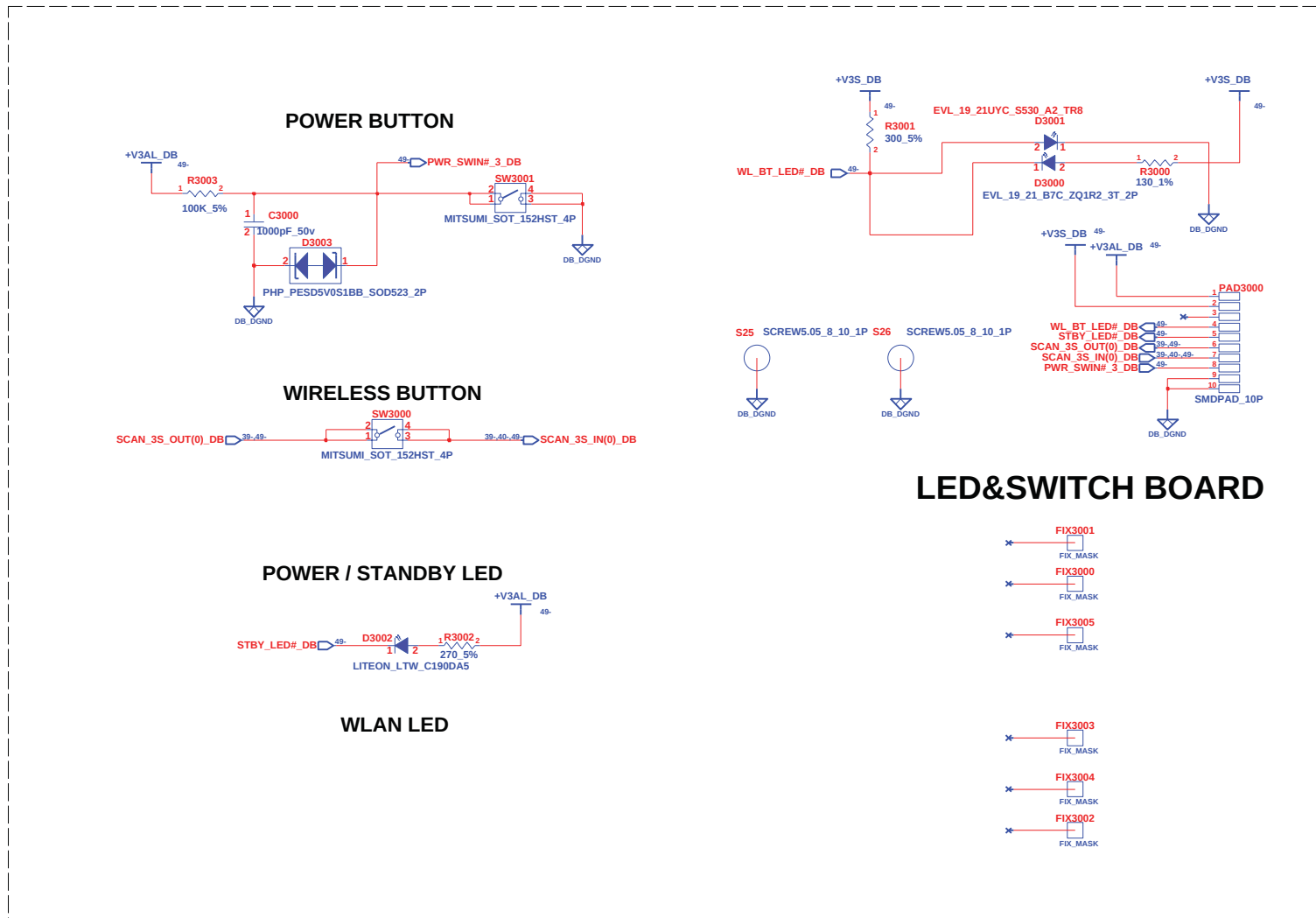
FIX_MASK

FIX38

FIX_MASK

<http://hobi-elektronika.net>

INVENTEC			
TITLE Vulcain UMA			
SCREW			
SIZE D	CODE CS	DOC. NUMBER AXI	REV 000
CHANGE by Puma Chen		26-Dec-2008	
SHEET		48 OF 50	
		8	



SWITCH DAUGHTER BOARD

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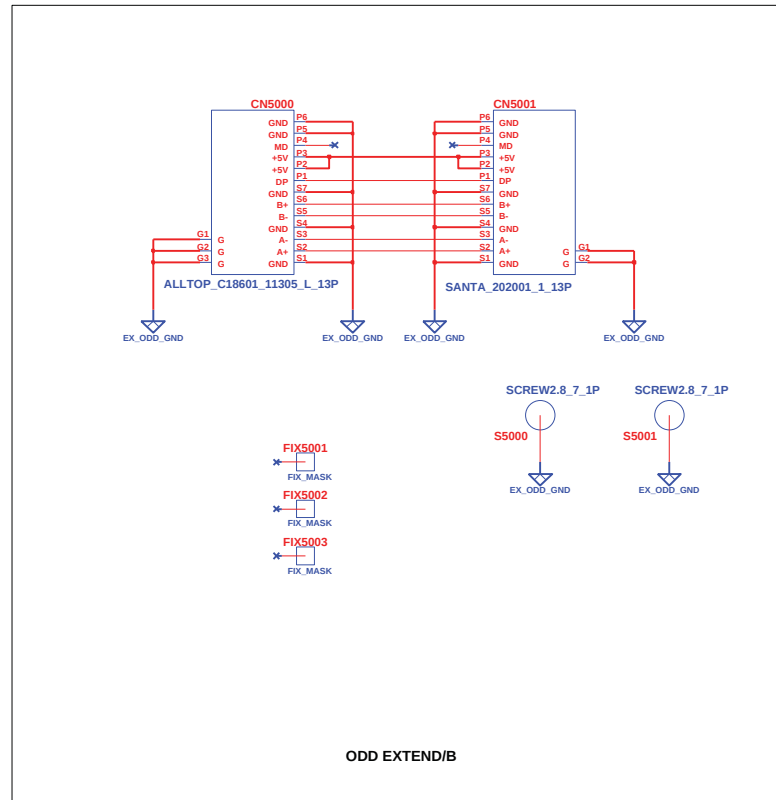
INVENTEC

TITLE
**Vulcain UMA
SWITCH Board**

SIZE	CODE	DOC. NUMBER	REV
D	CS	AXI	000

CHANGE by *Puma Chen* 26-Dec-2008

SHEET 49 OF 50



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INVENTEC			
TITLE			
Vulcain UMA			
15.4" W ODD Extend Board			
SIZE	CODE	DOC. NUMBER	REV
D	CS	AXI	000
CHANGE by		26-Dec-2008	
Puma Chen			
SHEET		50	OF 50
		8	