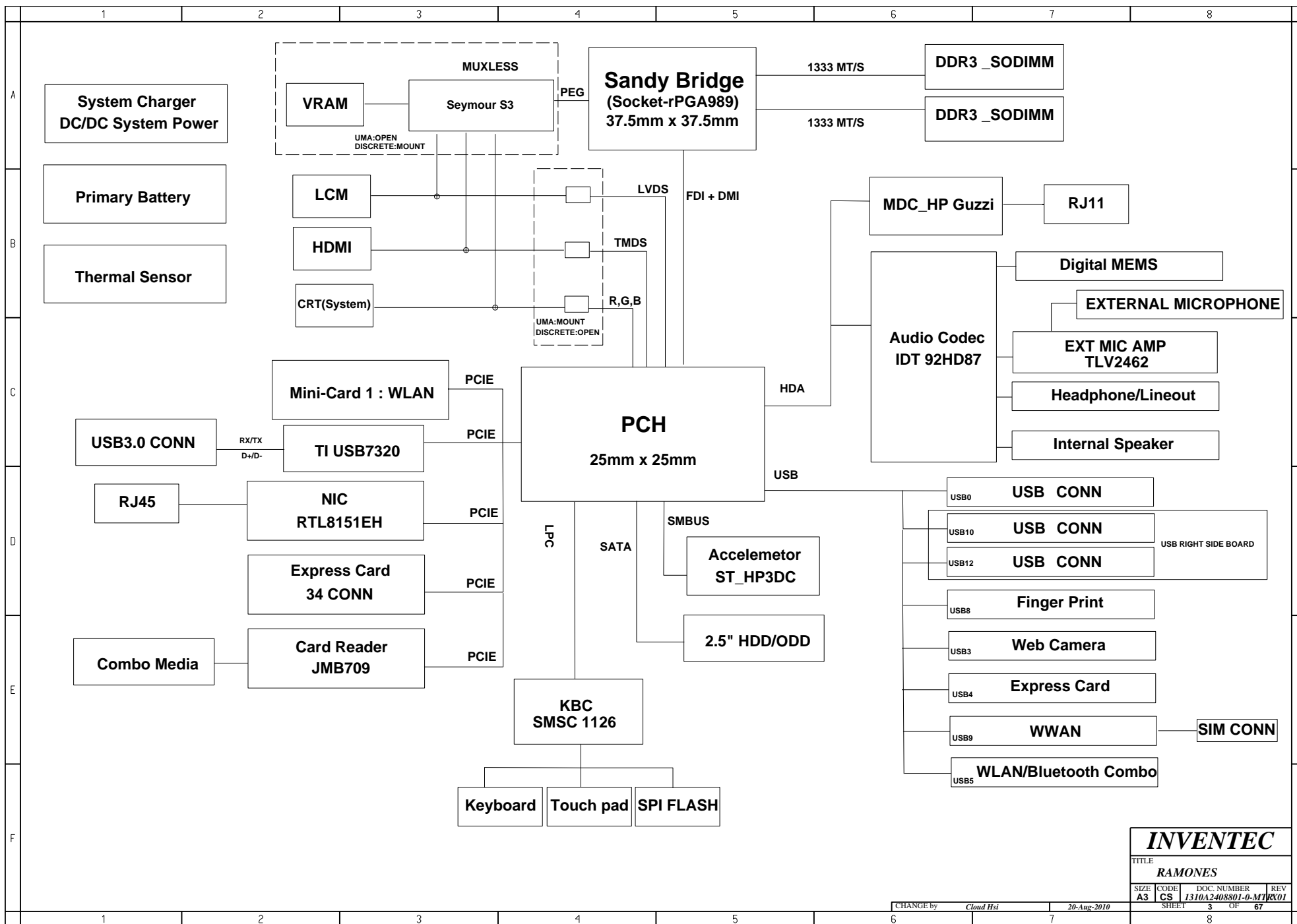


[illegible]

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33- PCH2	63- DIGITAL MIC BOARD	

INVENTEC			
TITLE RAMONES			
SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV R001
SHEET 2		OF 67	



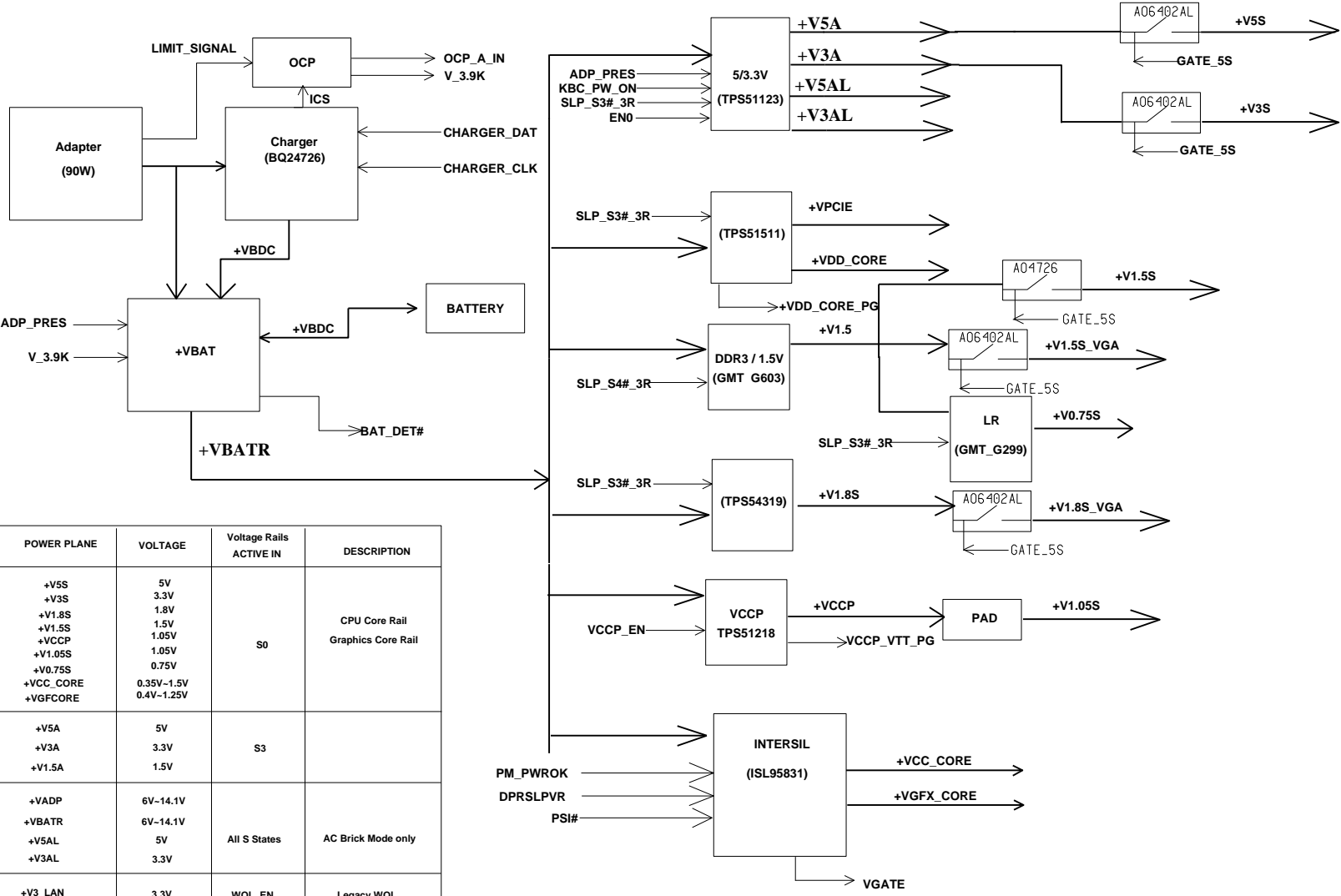
INVENTEC

TITLE
RAMONES

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2408801-0-MT	001

CHANGE by *Cloud Hsi* 20-Aug-2010

SHEET 3 OF 67



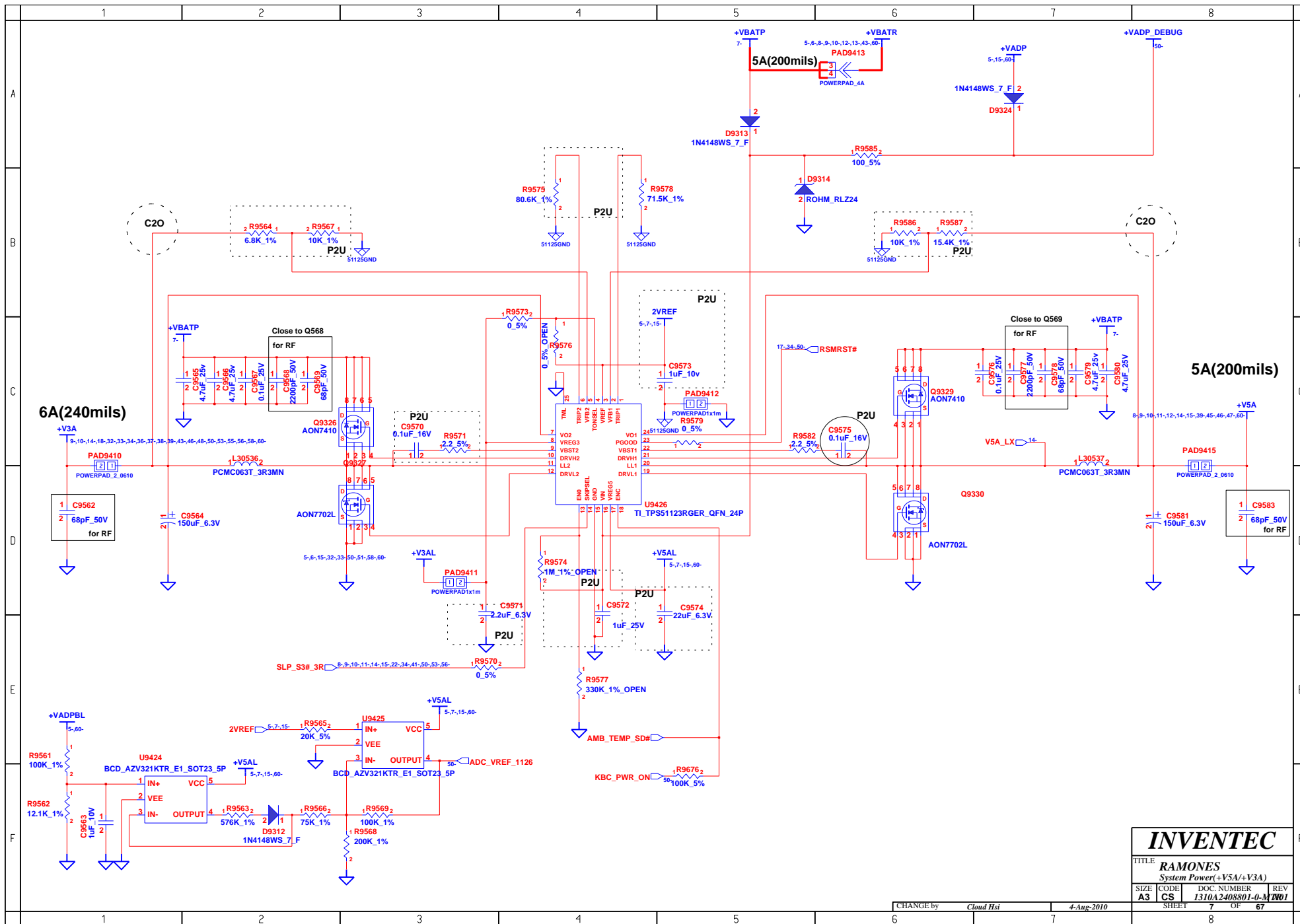
POWER PLANE	VOLTAGE	Voltage Rails ACTIVE IN	DESCRIPTION
+V5S +V3S +V1.8S +V1.5S +VCCP +V1.05S +V0.75S +VCC_CORE +VGFCORE	5V 3.3V 1.8V 1.5V 1.05V 1.05V 0.75V 0.35V~1.5V 0.4V~1.25V	S0	CPU Core Rail Graphics Core Rail
+V5A +V3A +V1.5A	5V 3.3V 1.5V	S3	
+VADP +VBATR +V5AL +V3AL	6V~14.1V 6V~14.1V 5V 3.3V	All S States	AC Brick Mode only
+V3_LAN	3.3V	WOL_EN	Legacy WOL
RTC	3.3V	G3 , Sx	Power by Li Coin Cell in G3 and +V3AL in Sx

INVENTEC

TITLE
RAMONES

SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV R001
SHEET 4		OF 67	

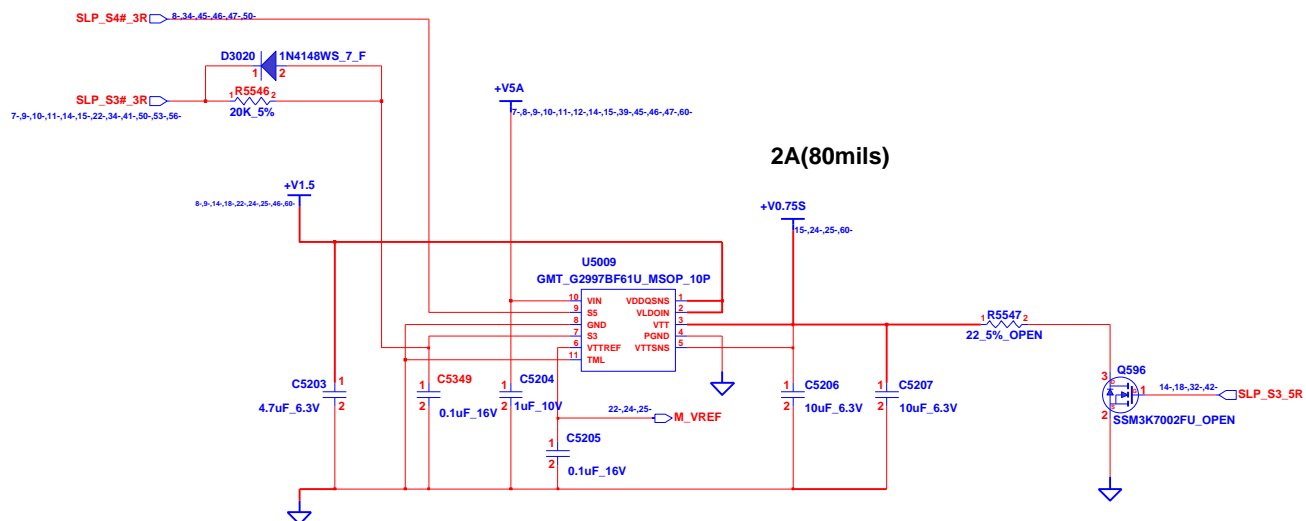
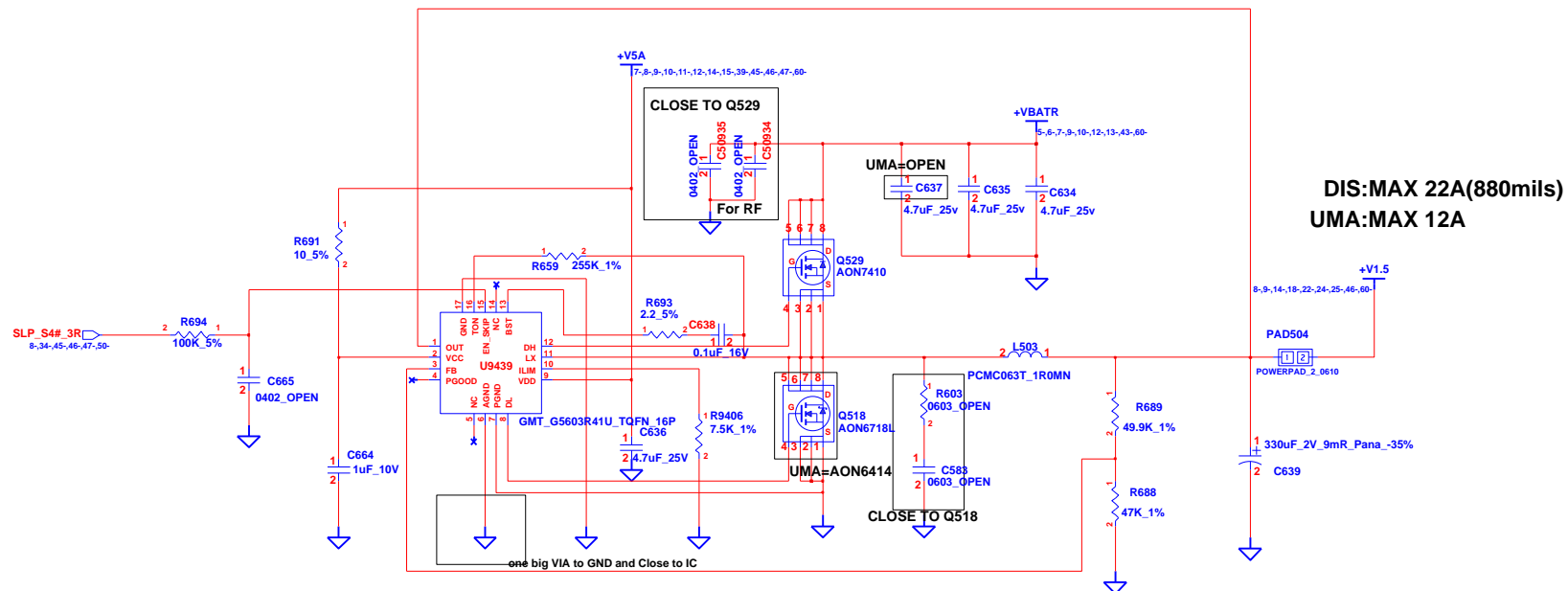
CHANGE by Cloud Hsi 24-Aug-2010



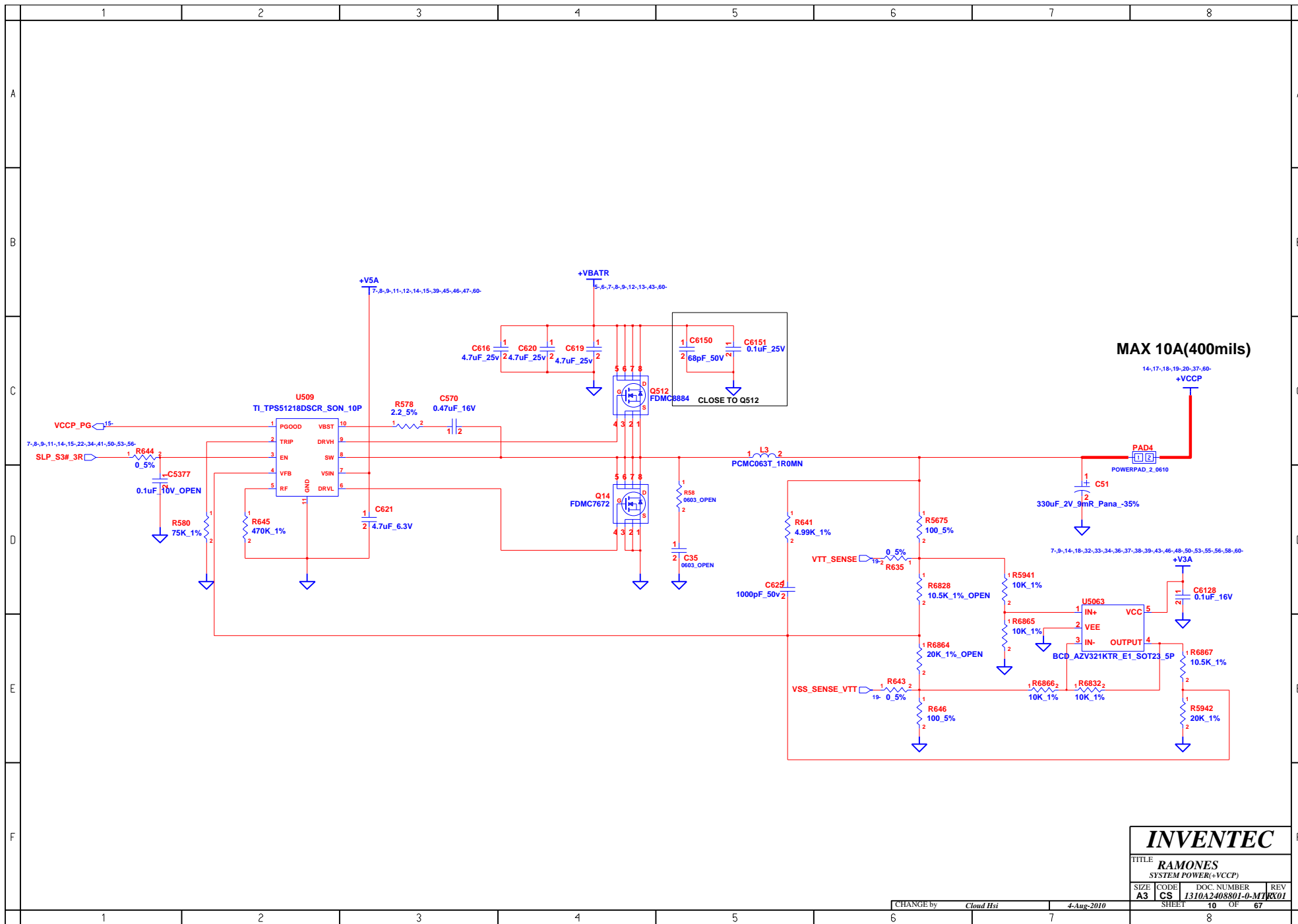
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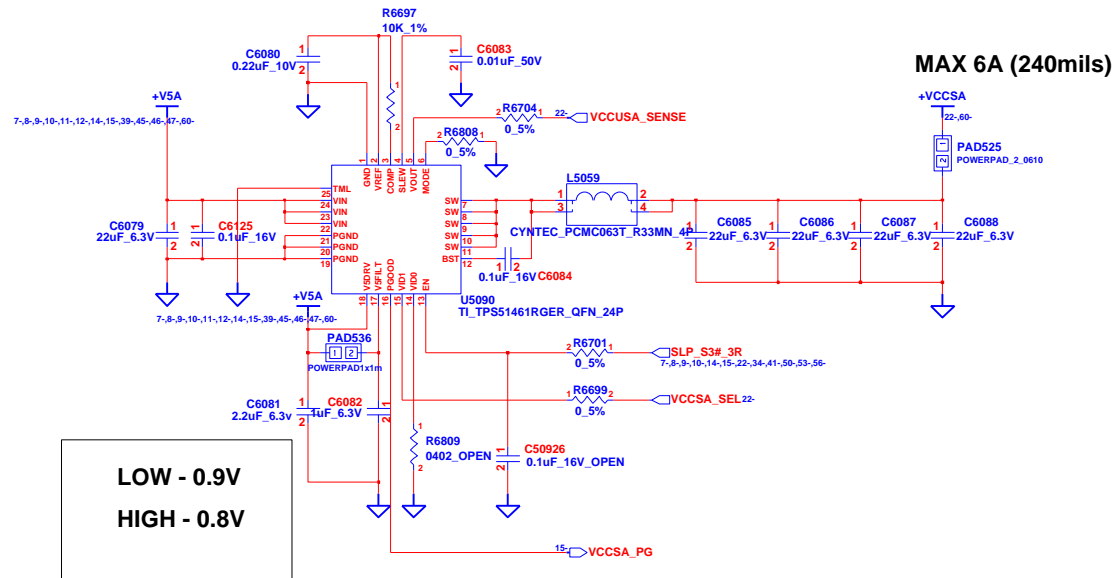
TITLE RAMONES System Power(+V5A/+V3A)			
SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-3	REV 001
SHEET 7		OF 67	

CHANGE by *Cloud Hsi* 4-Aug-2010

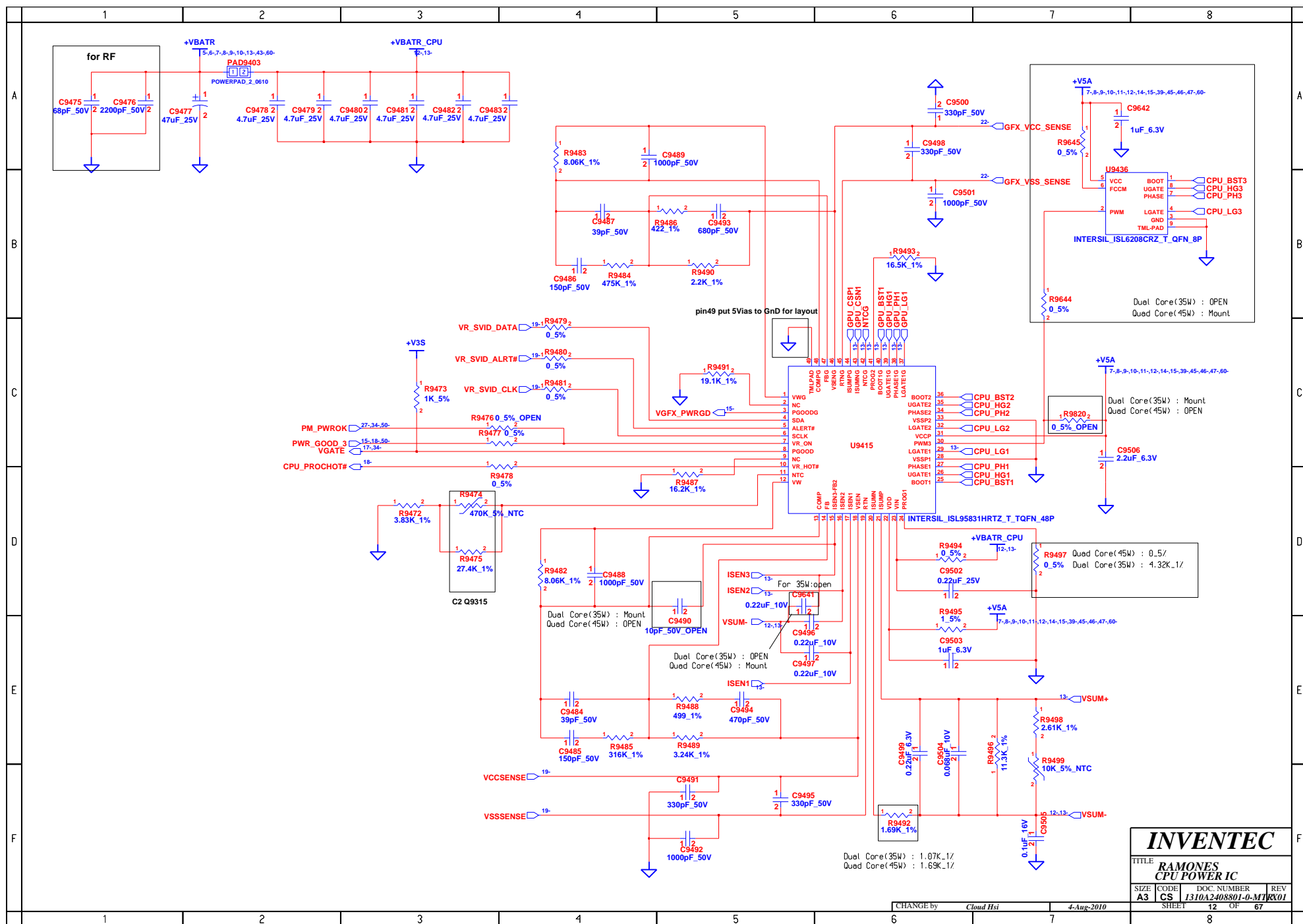


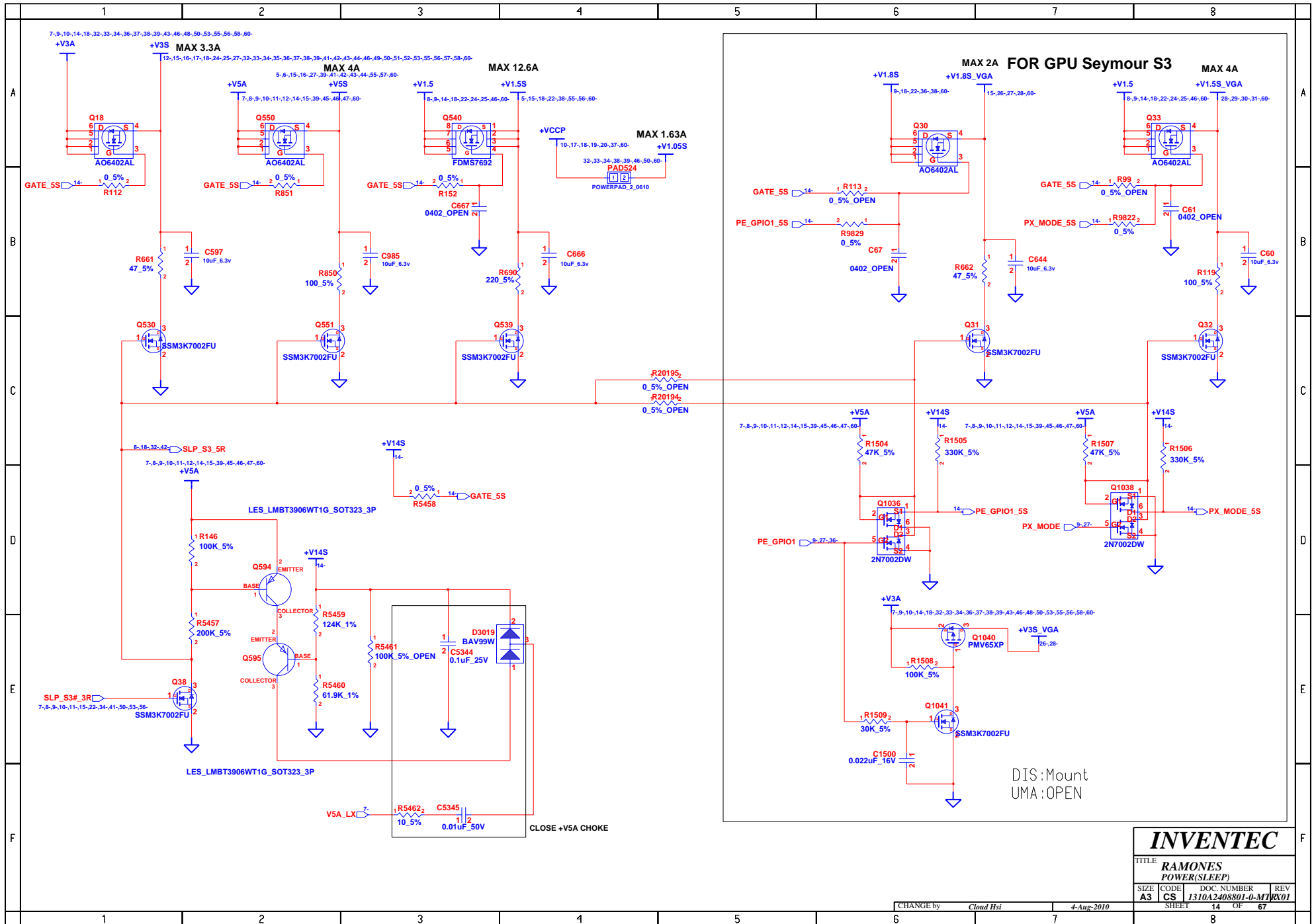
INVENTEC			
TITLE: RAMONES			
SYSTEM POWER(+V1.5/+V0.75S)			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2408801-0-MT	REV: 001
CHANGE by: <i>Cloud Hsi</i>		4-Aug-2010	
SHEET: 8		OF: 67	





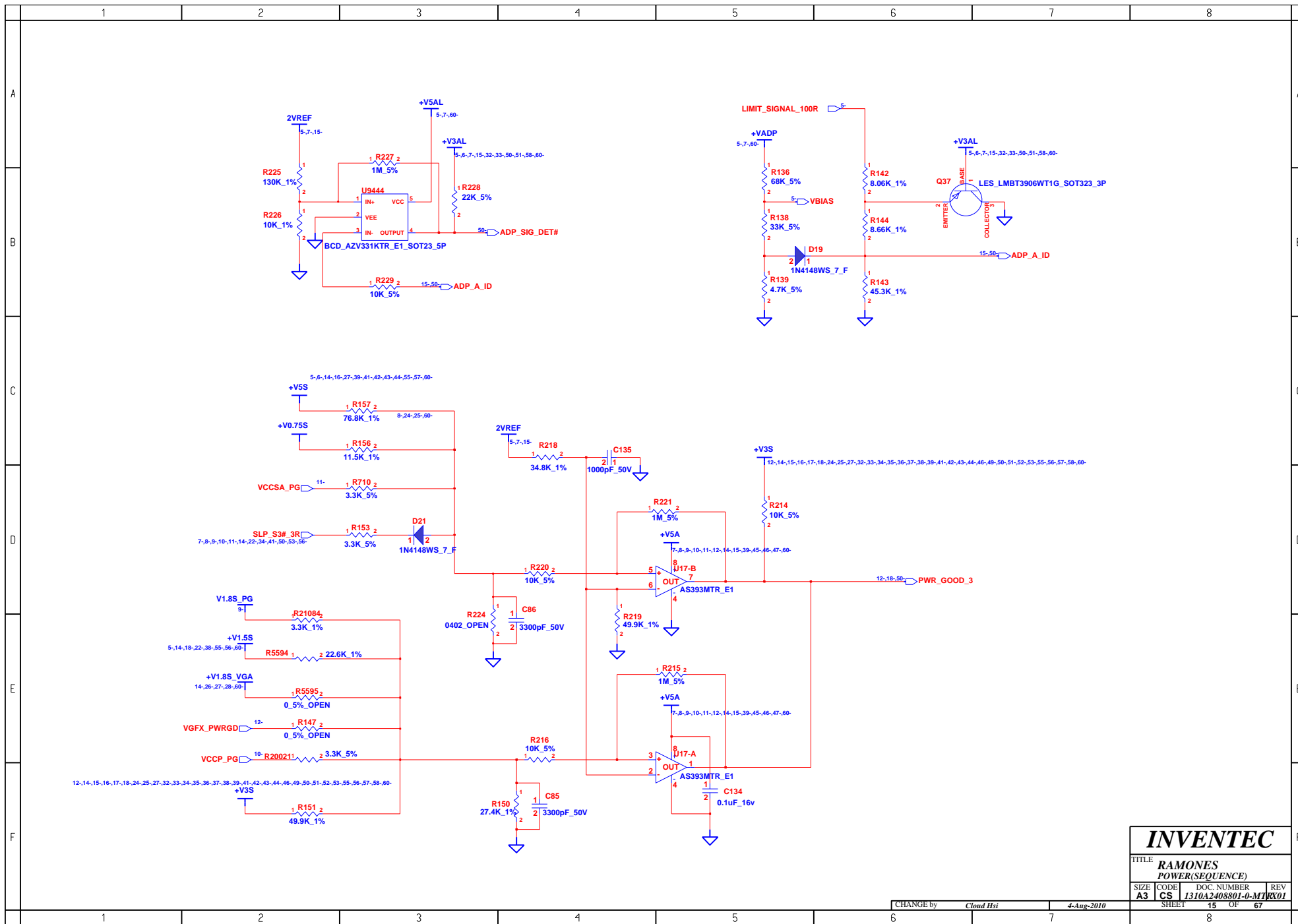
INVENTEC			
TITLE RAMONES CPU POWER(+VCCA)			
SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV R001
CHANGE by Cloud Hsi		4-Aug-2010	
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INVENTEC

TITLE RAMONES POWER(SLEEP)			
SIZE A3	CODE CS	DOC NUMBER 1310A2408801-0-MT	REV R001
CHANGE by <i>Cloud Hsi</i>		4-Aug-2010	
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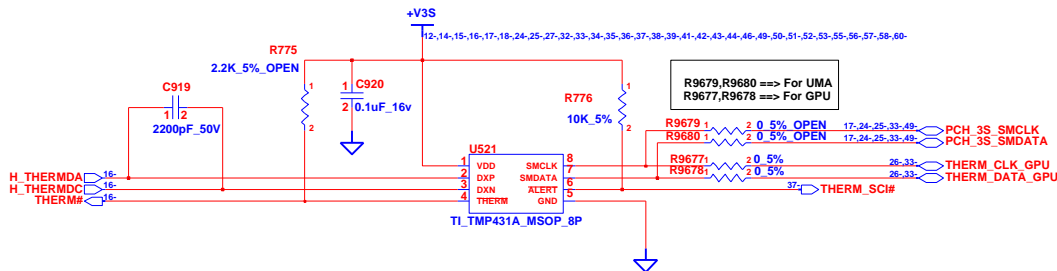


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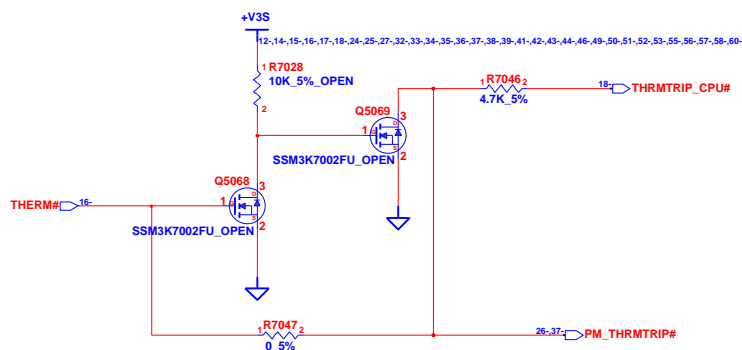
TITLE RAMONES POWER(SEQUENCE)			
SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV 001
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CHANGE by *Cloud Hsi* 4-Aug-2010

FAN



THERM SENSOR

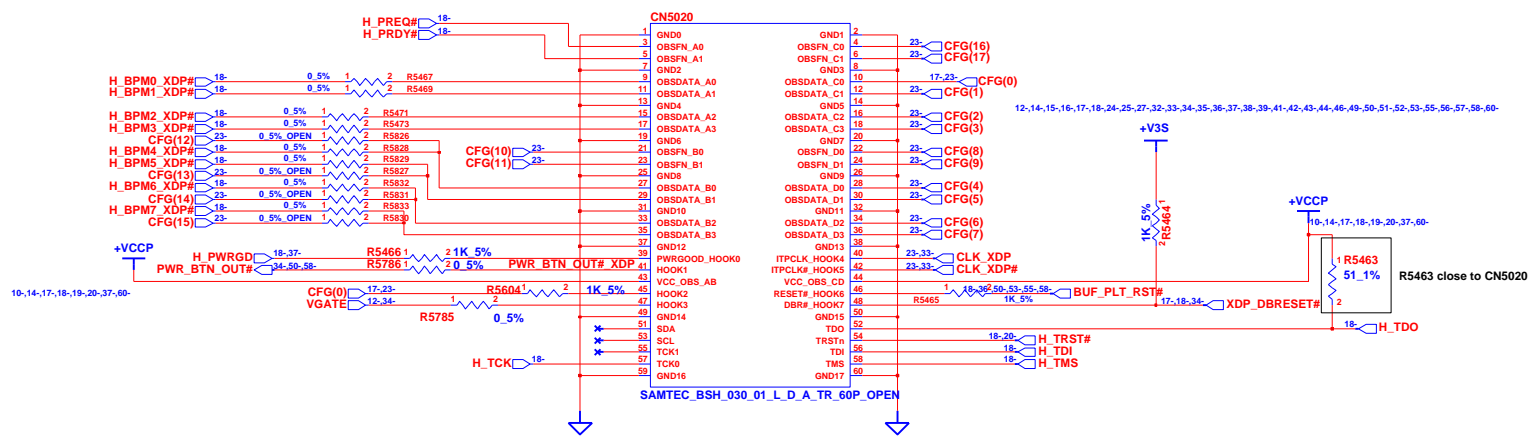


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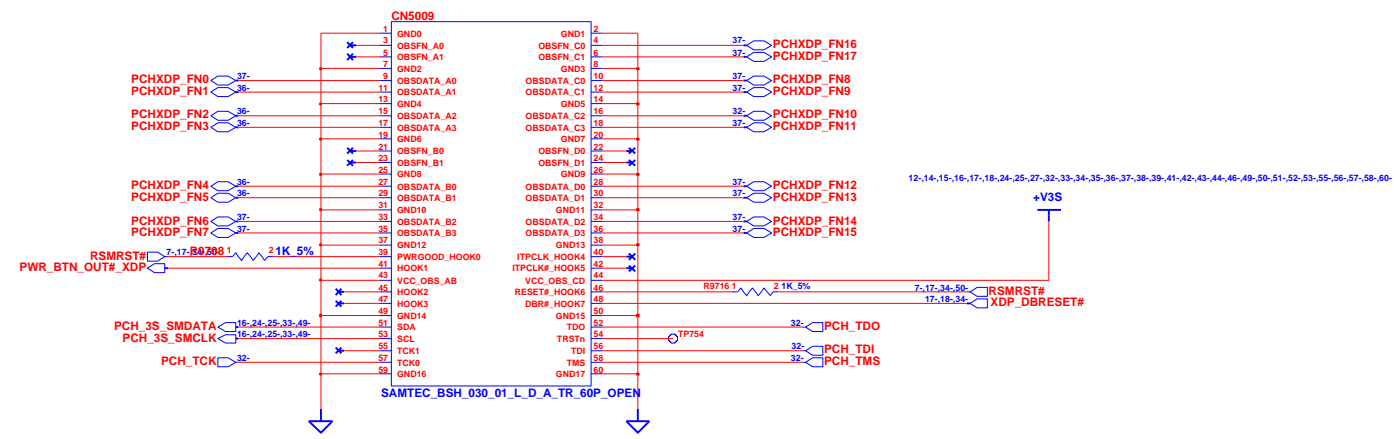
TITLE			
RAMONES			
THERMAL & FAN CONTROLLER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2408801-0-MT	R001

CHANGE by Cloud Hsi 4-Aug-2010

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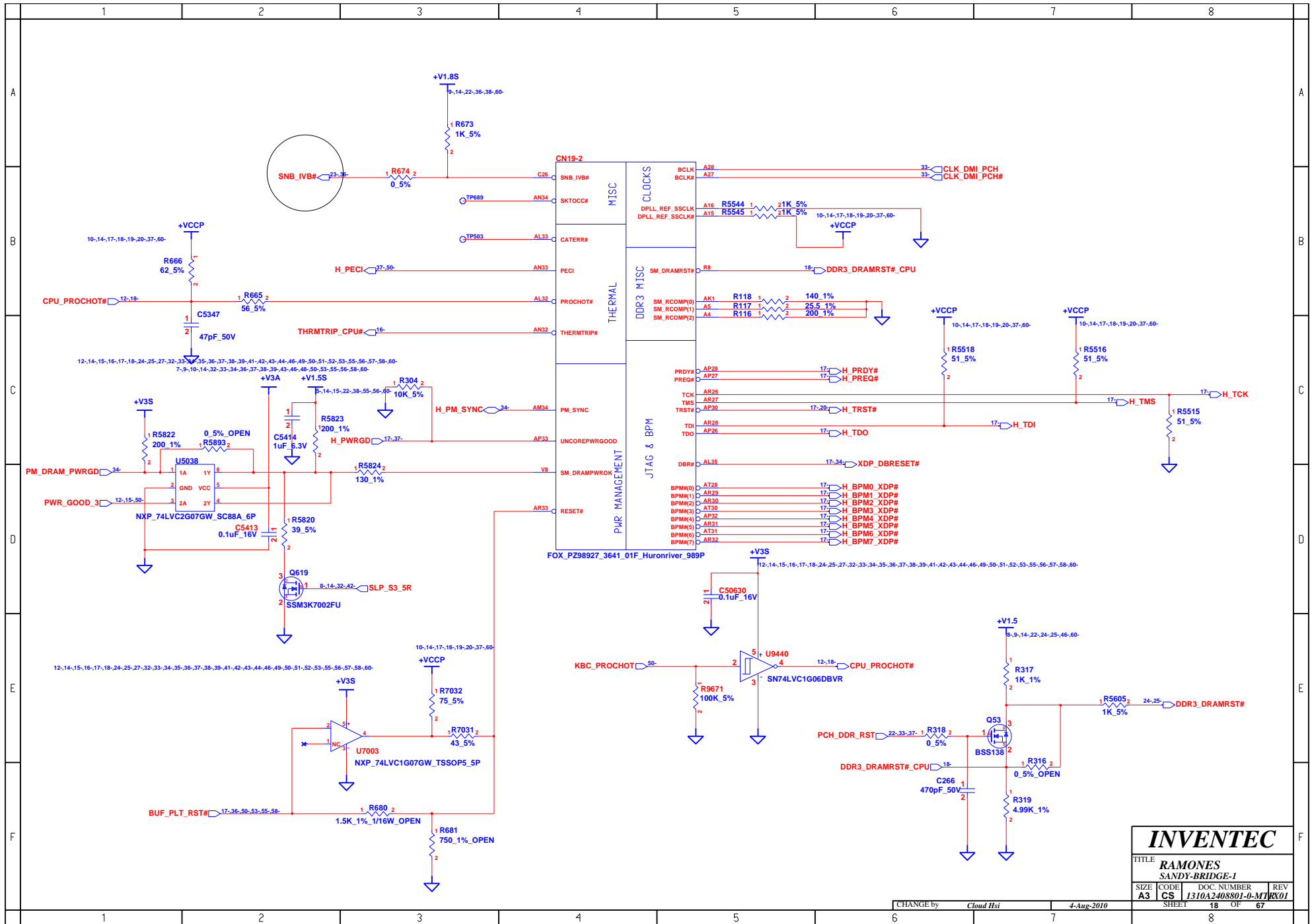


CPU XDP CONNECTOR



PCH XDP CONNECTOR

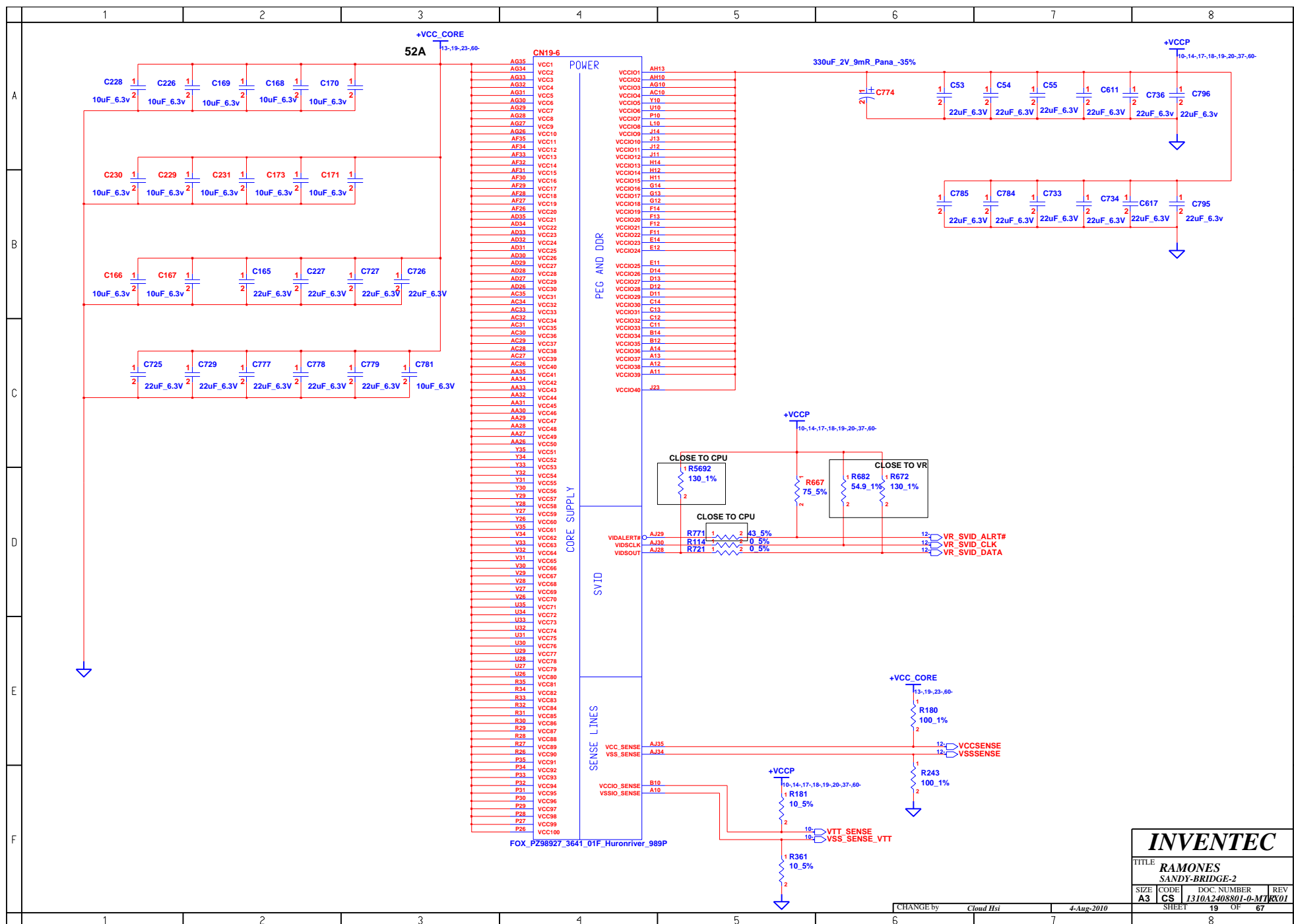
INVENTEC			
TITLE: RAMONES CPU & PCH XDP CNTR			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2408801-0-MT	REV: R001
CHANGE by: Cloud Hsi		4-Aug-2010	
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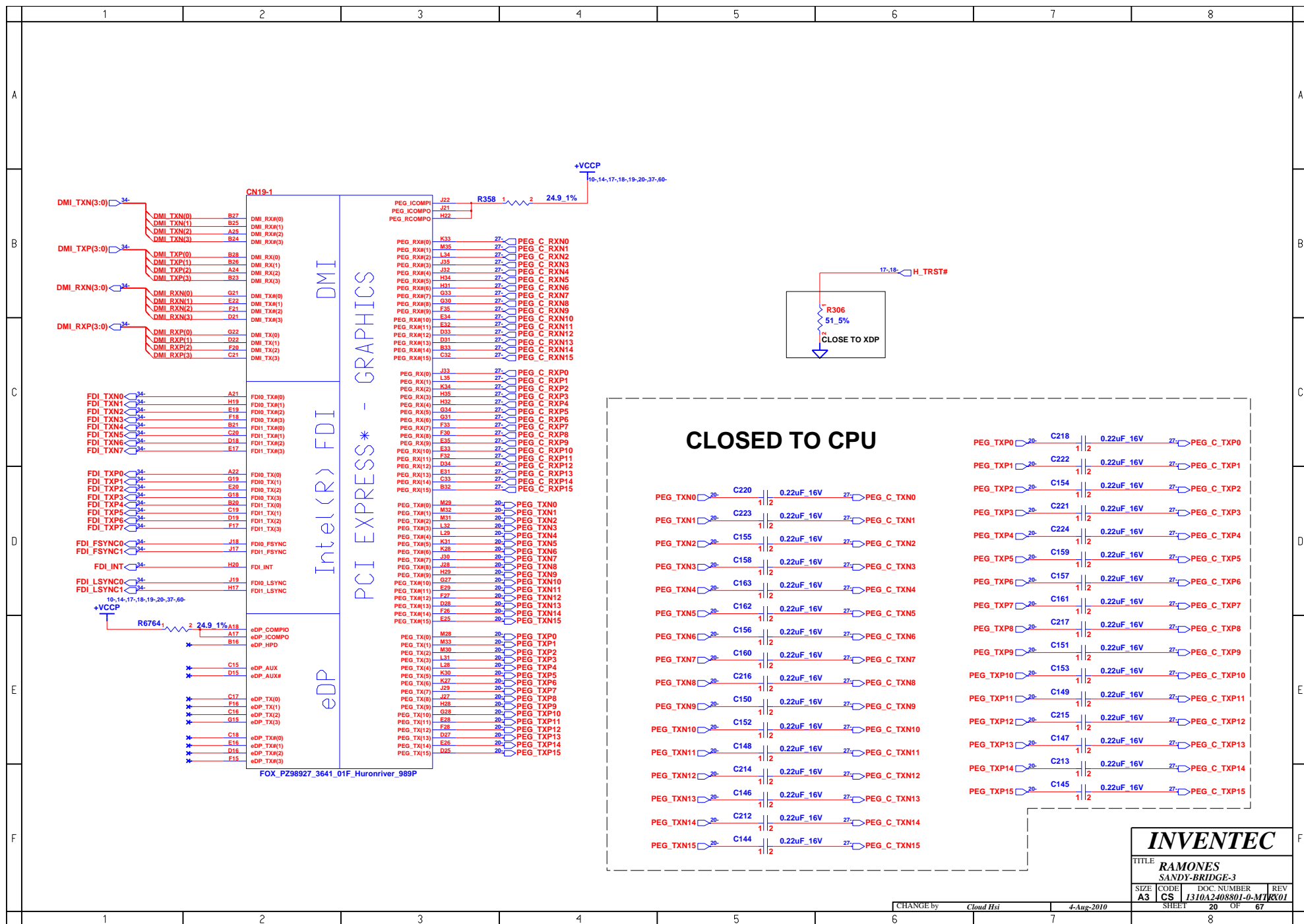


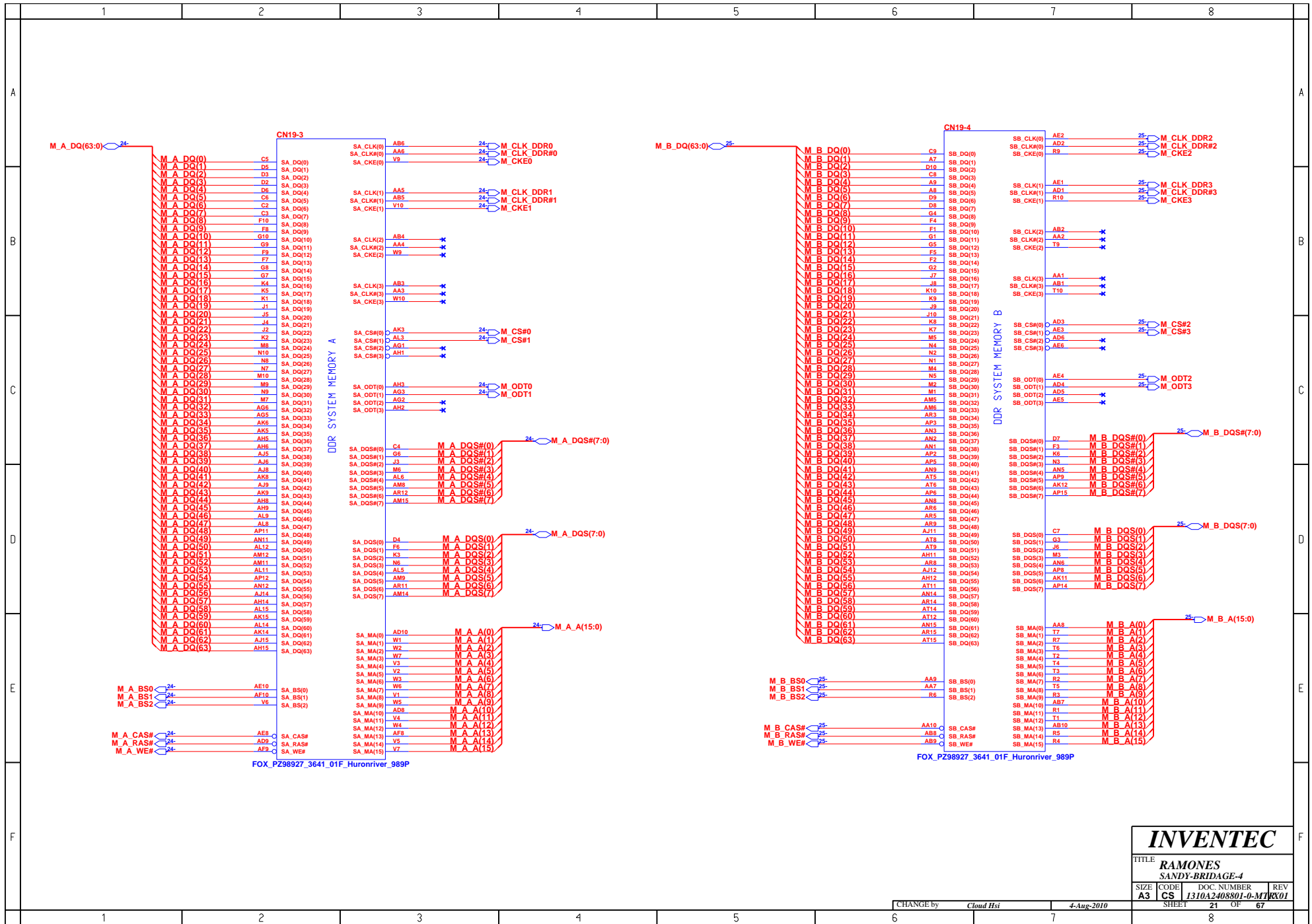
INVENTEC

TITLE RAMONES SANDY-BRIDGE-1			
SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV R001
SHEET 18		OF 67	

CHANGE by Cloud Hsi 4-Aug-2010





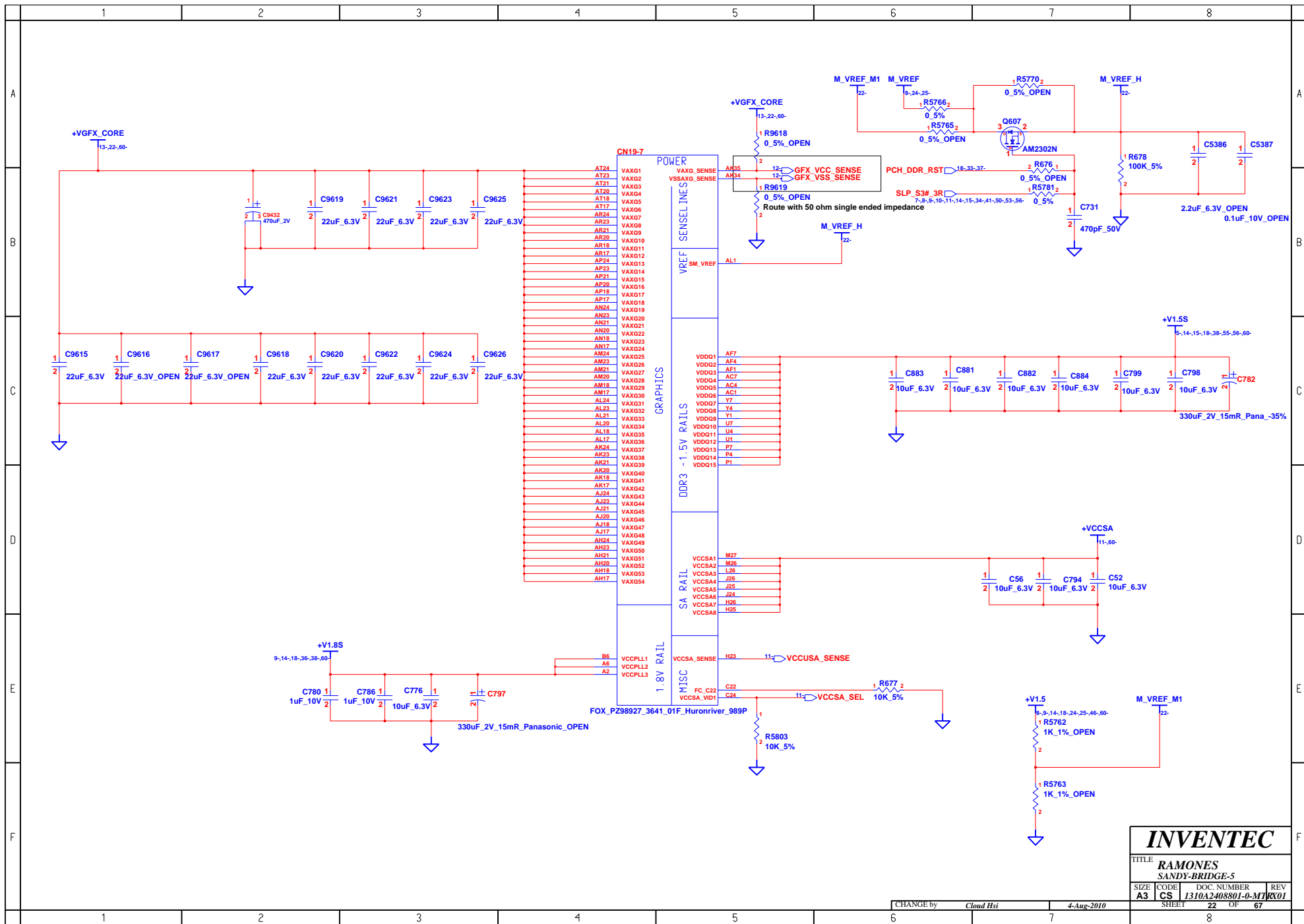


INVENTEC

TITLE
**RAMONES
SANDY-BRIDGE-4**

SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV R001
SHEET 21		OF 67	

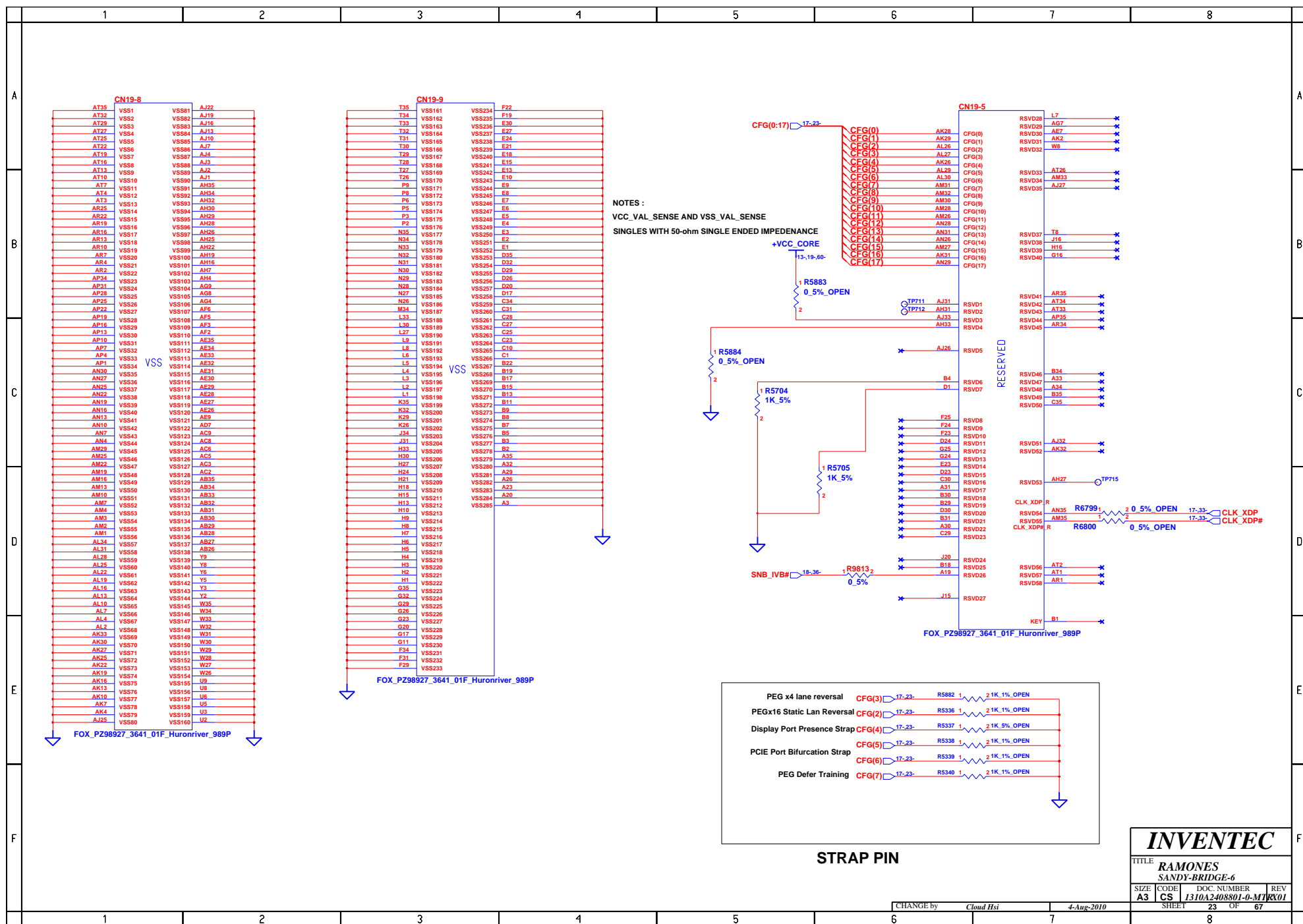
CHANGE by **Cloud Hsi** 4-Aug-2010

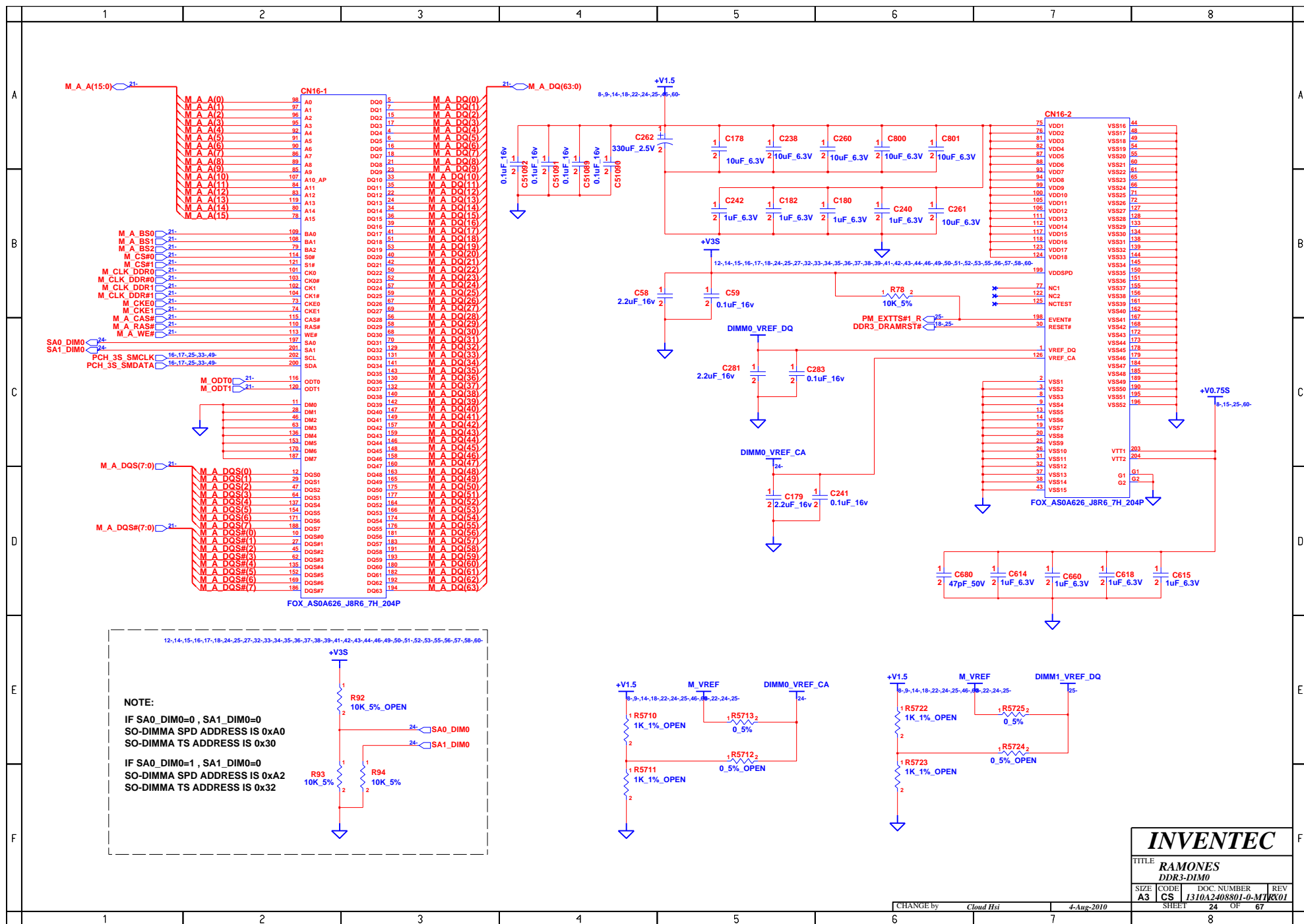


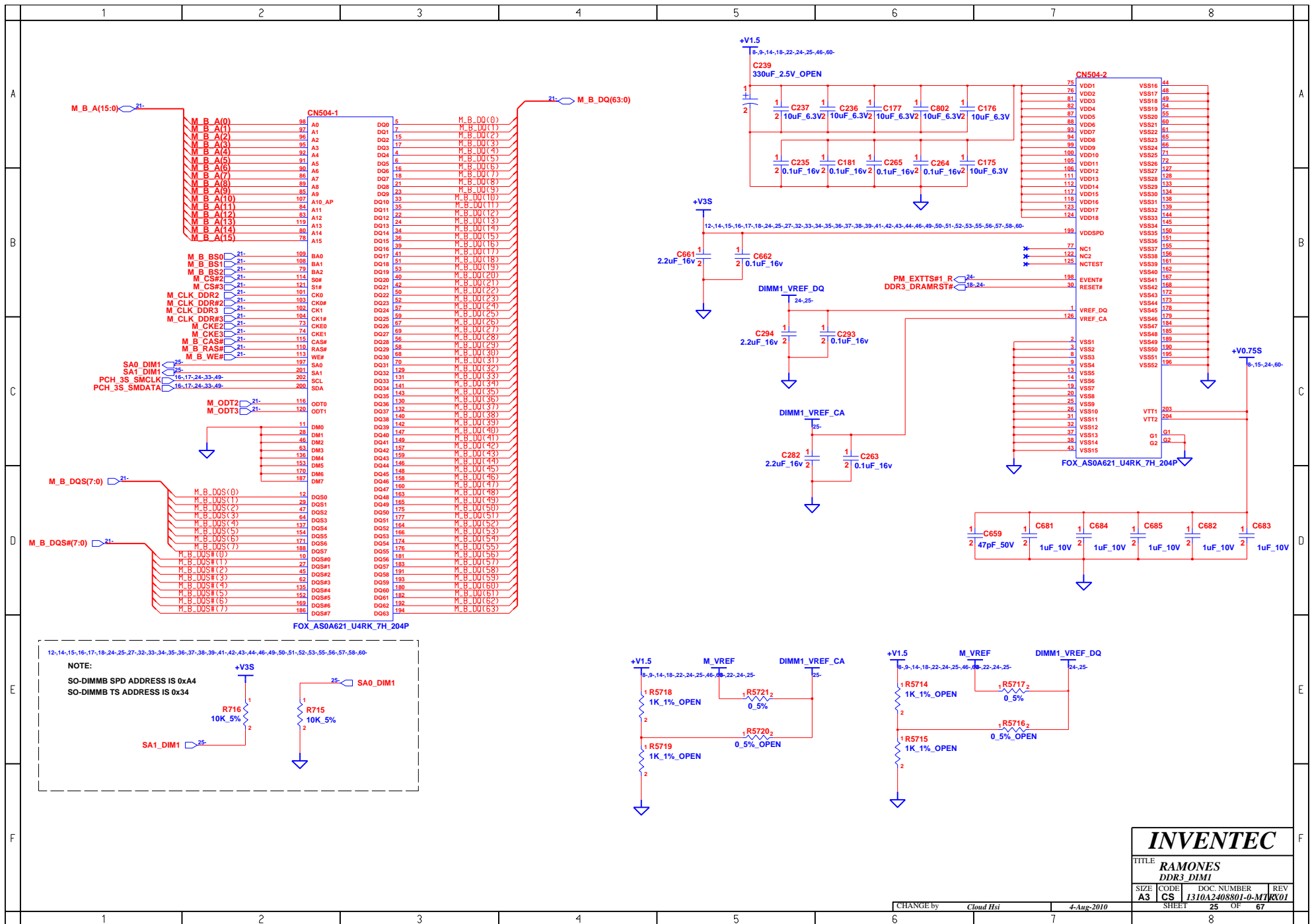
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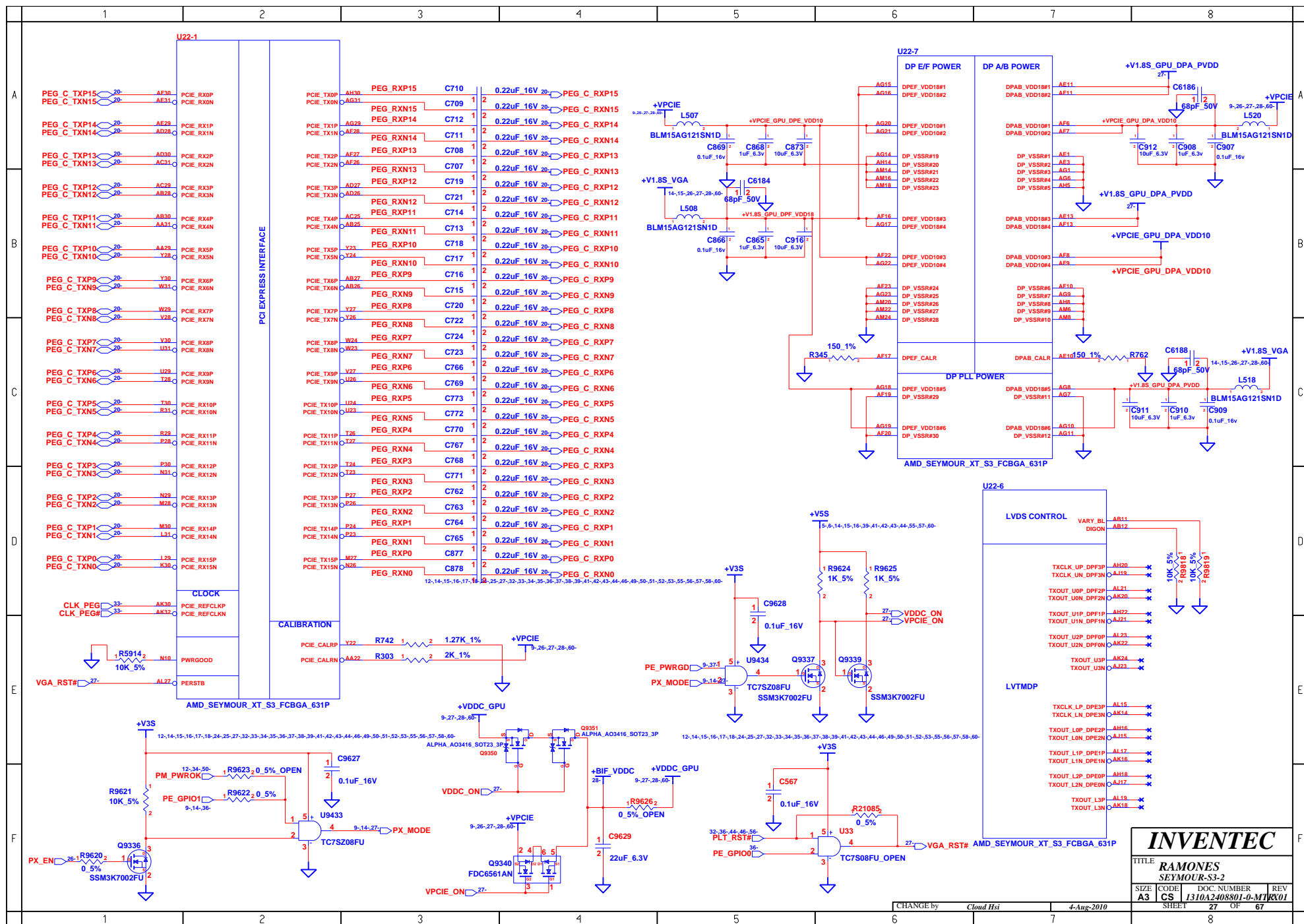
TITLE			
RAMONES			
SANDY-BRIDGE-5			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2408801-0-M1	XX01
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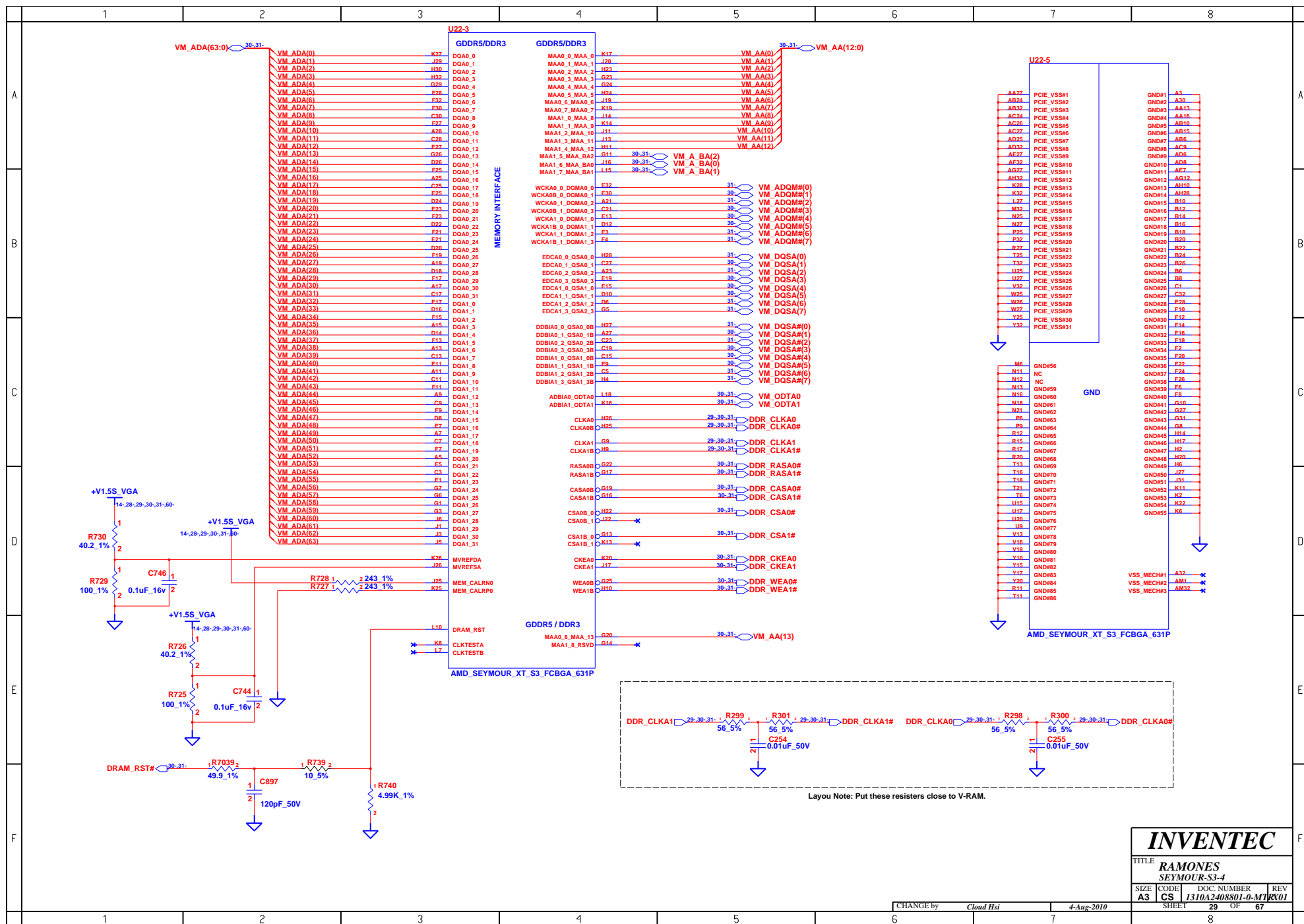
CHANGE by Cloud Hsi 4-Aug-2010

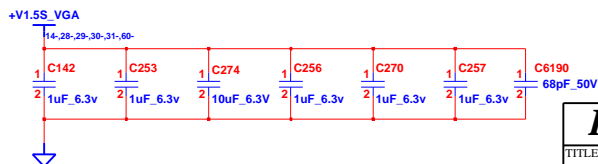
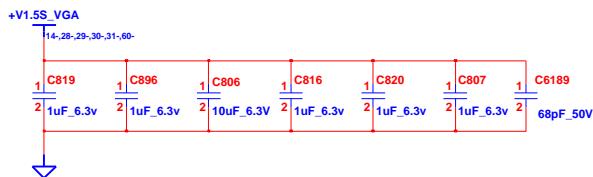








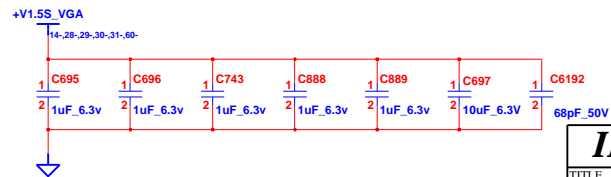
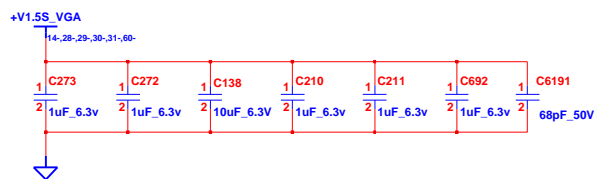




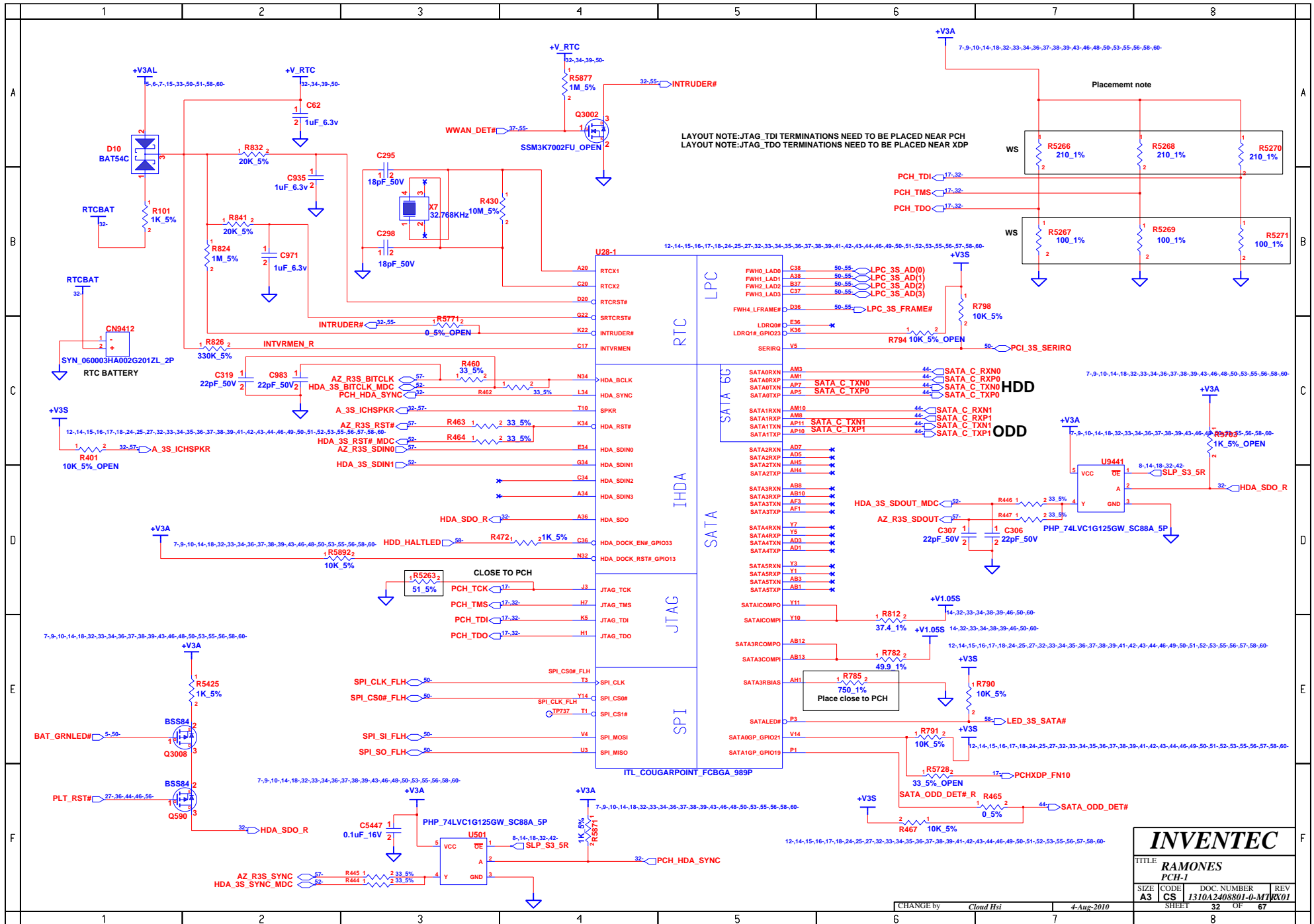
TITLE			
RAMONES VRAM-I			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2408801-0-MT	RX01
SHEET		30	OF 67

CHANGE by	Cloud Hsi	4-Aug-2010
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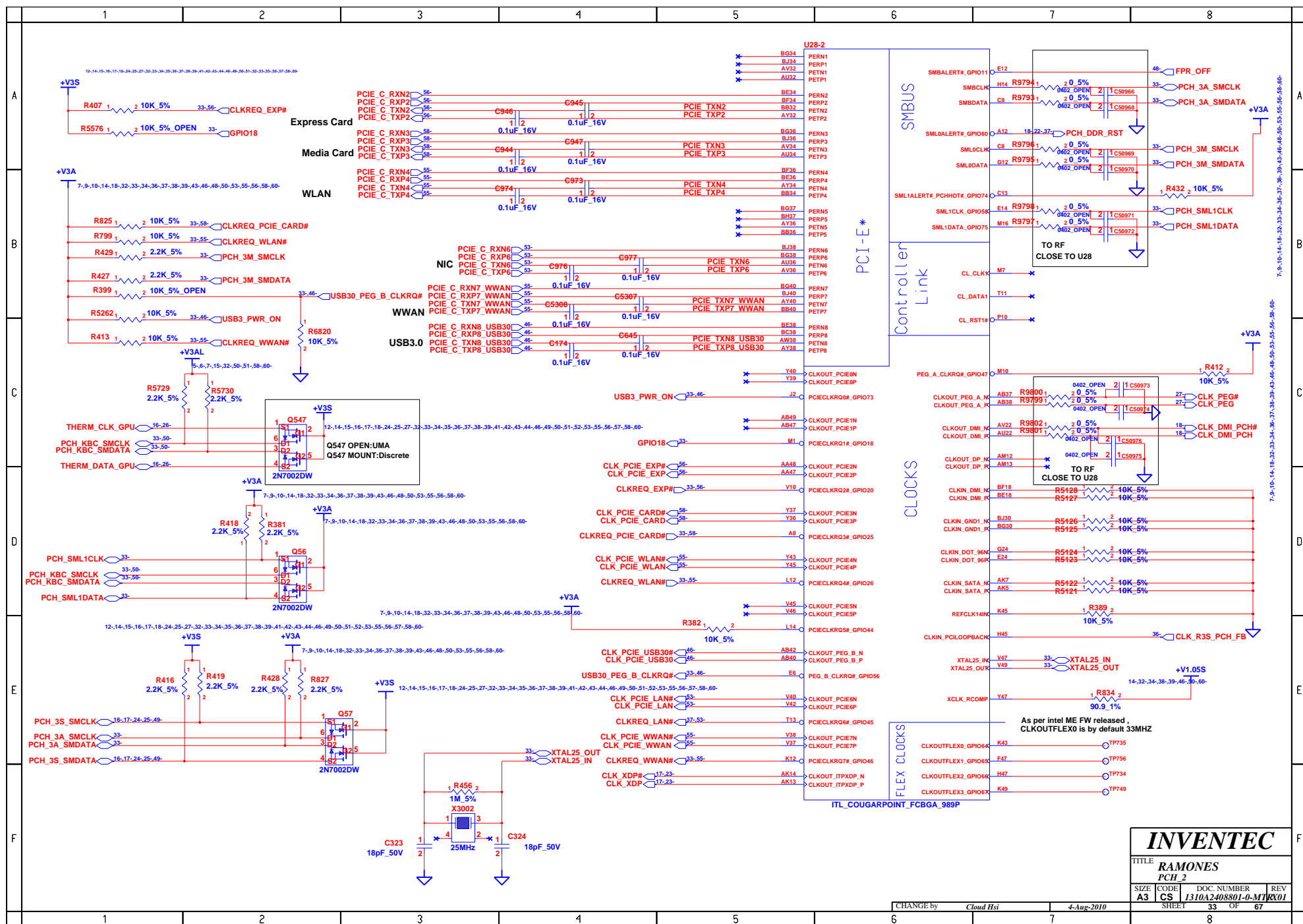
TITLE			
RAMONES VRAM-2			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2408801-0-MT	RX01
SHEET		31	OF 67

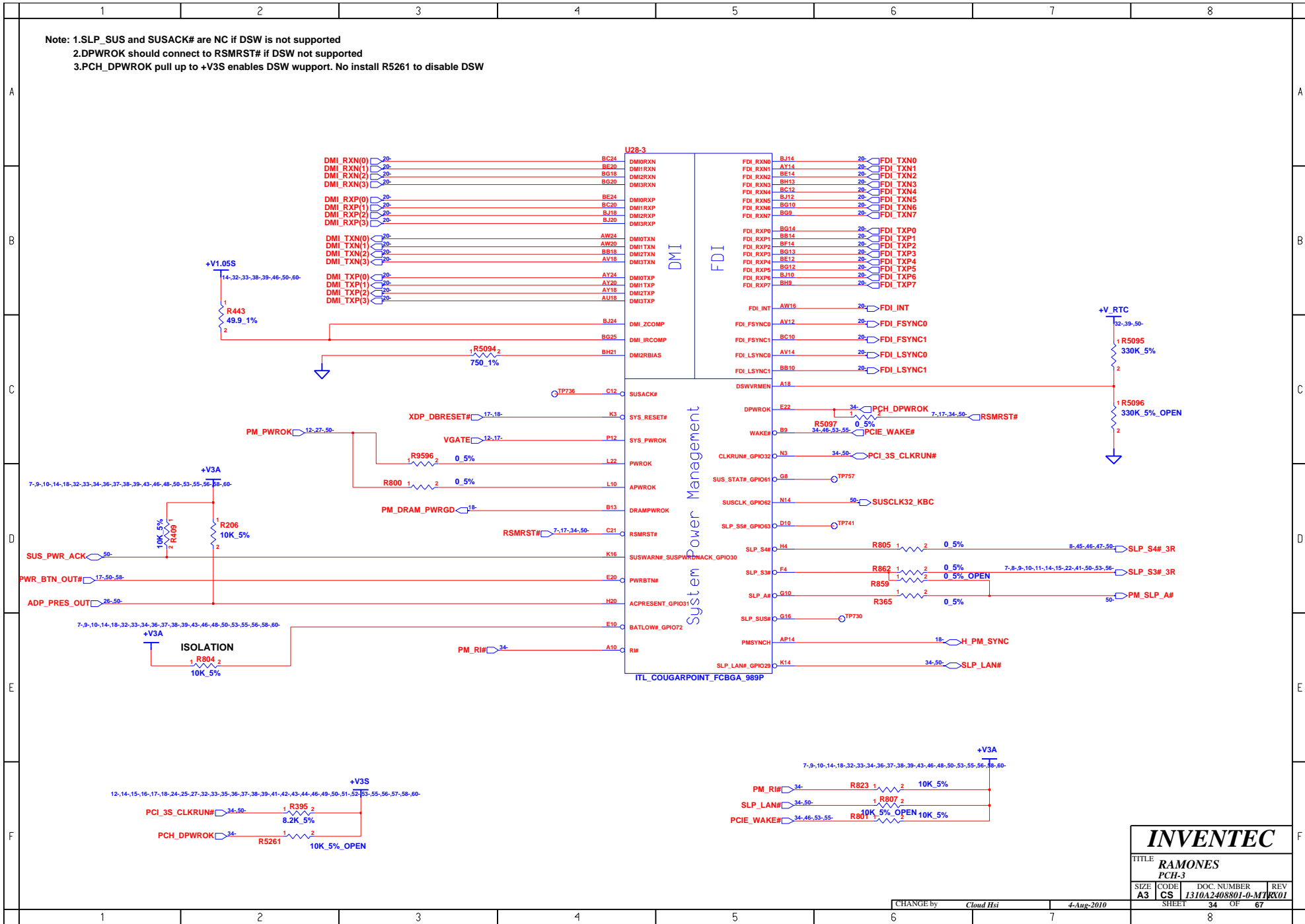


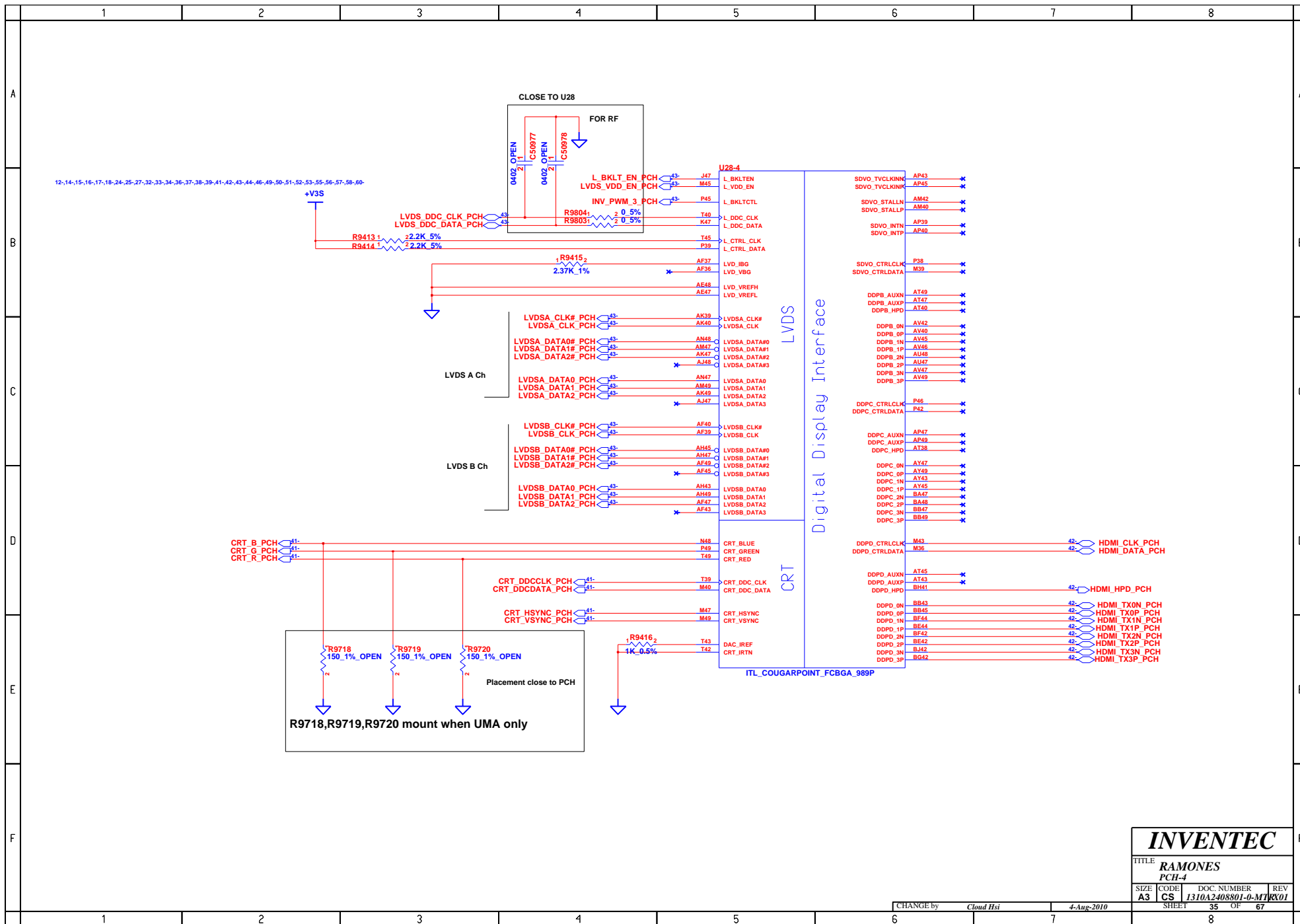
INVENTEC

TITLE RAMONES PCH-1			
SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV R001
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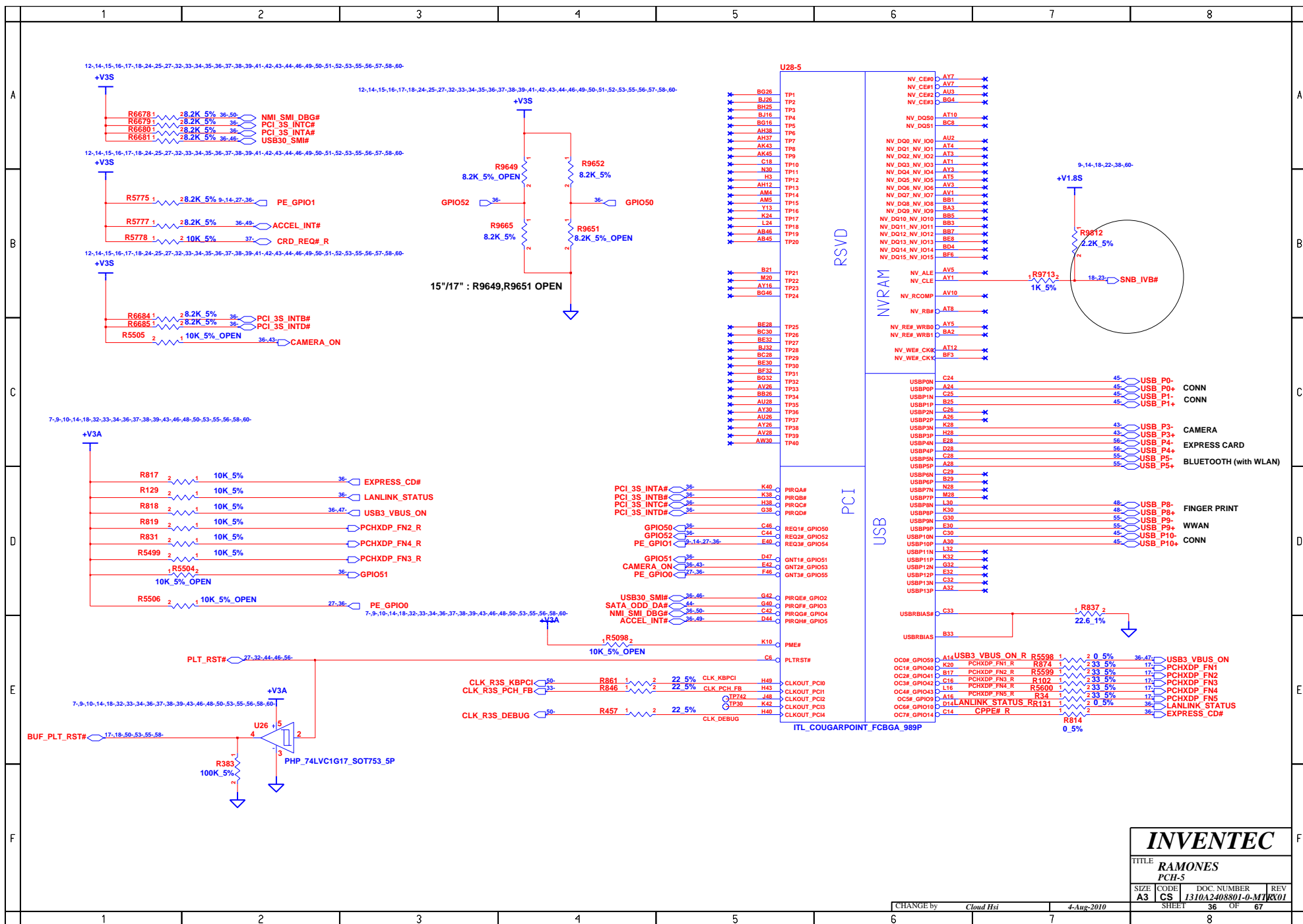
INVENTEC

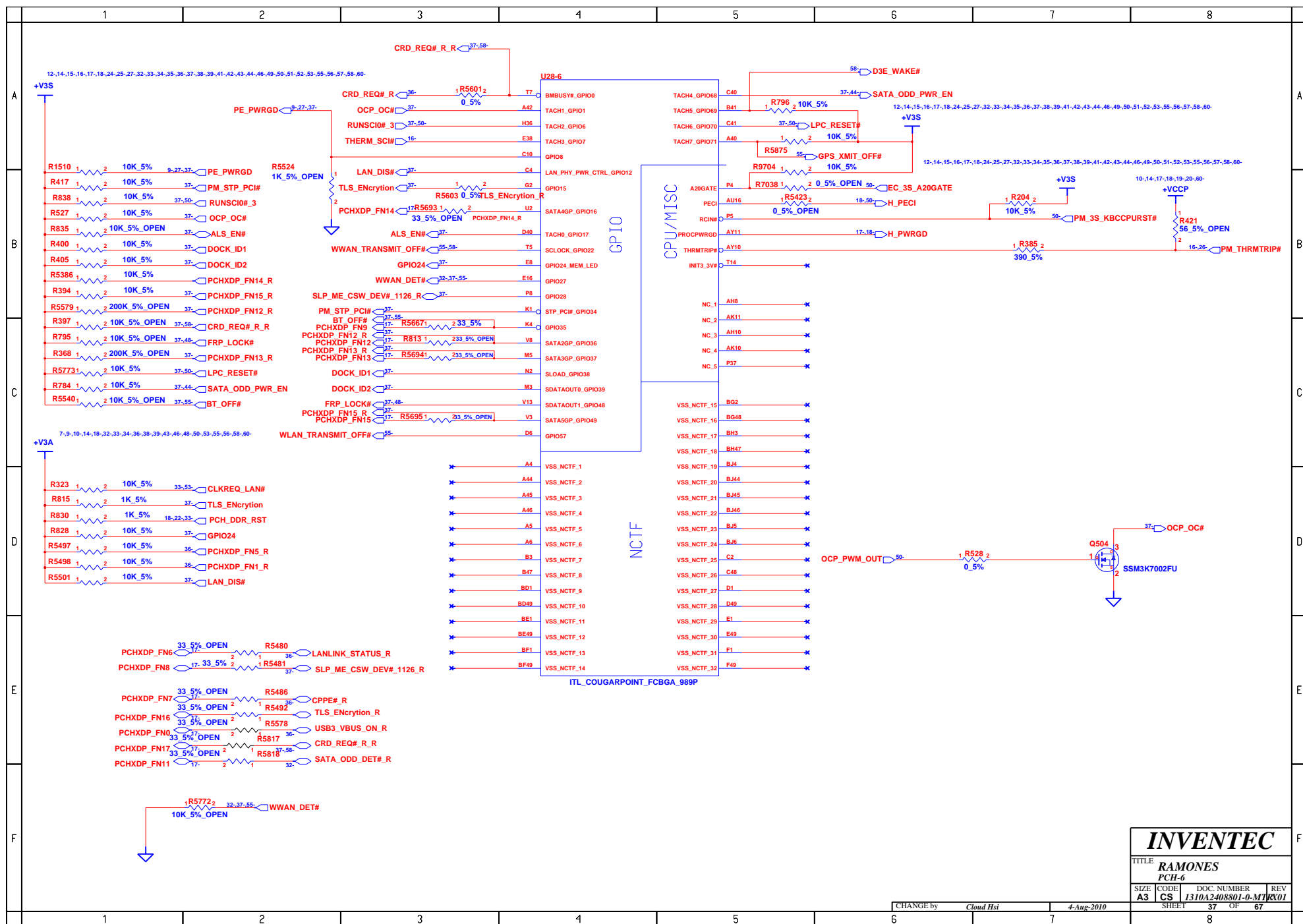
TITLE
RAMONES
PCH-4

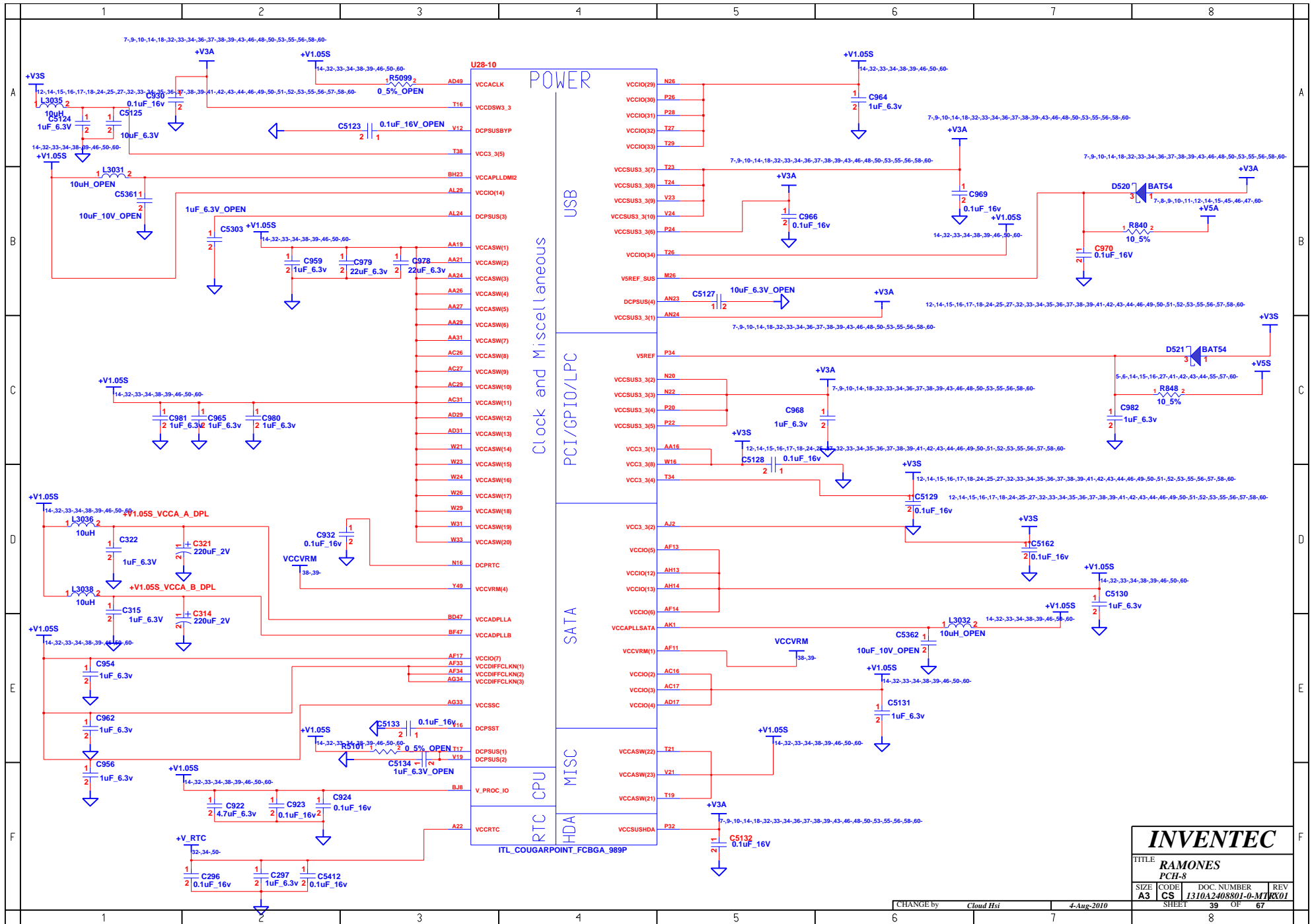
SIZE CODE DOC. NUMBER REV
A3 CS 1310A2408801-0-MT

CHANGE by Cloud Hsi 4-Aug-2010

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INVENTEC

TITLE RAMONES PCH-8			
SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV 001
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CHANGE by *Cloud Hsi* 4-Aug-2010

Diagram illustrating the pinout and signal connections for the RAMONES PCH-9 connector, showing two views: U28-8 and U28-9.

U28-8 Pinout:

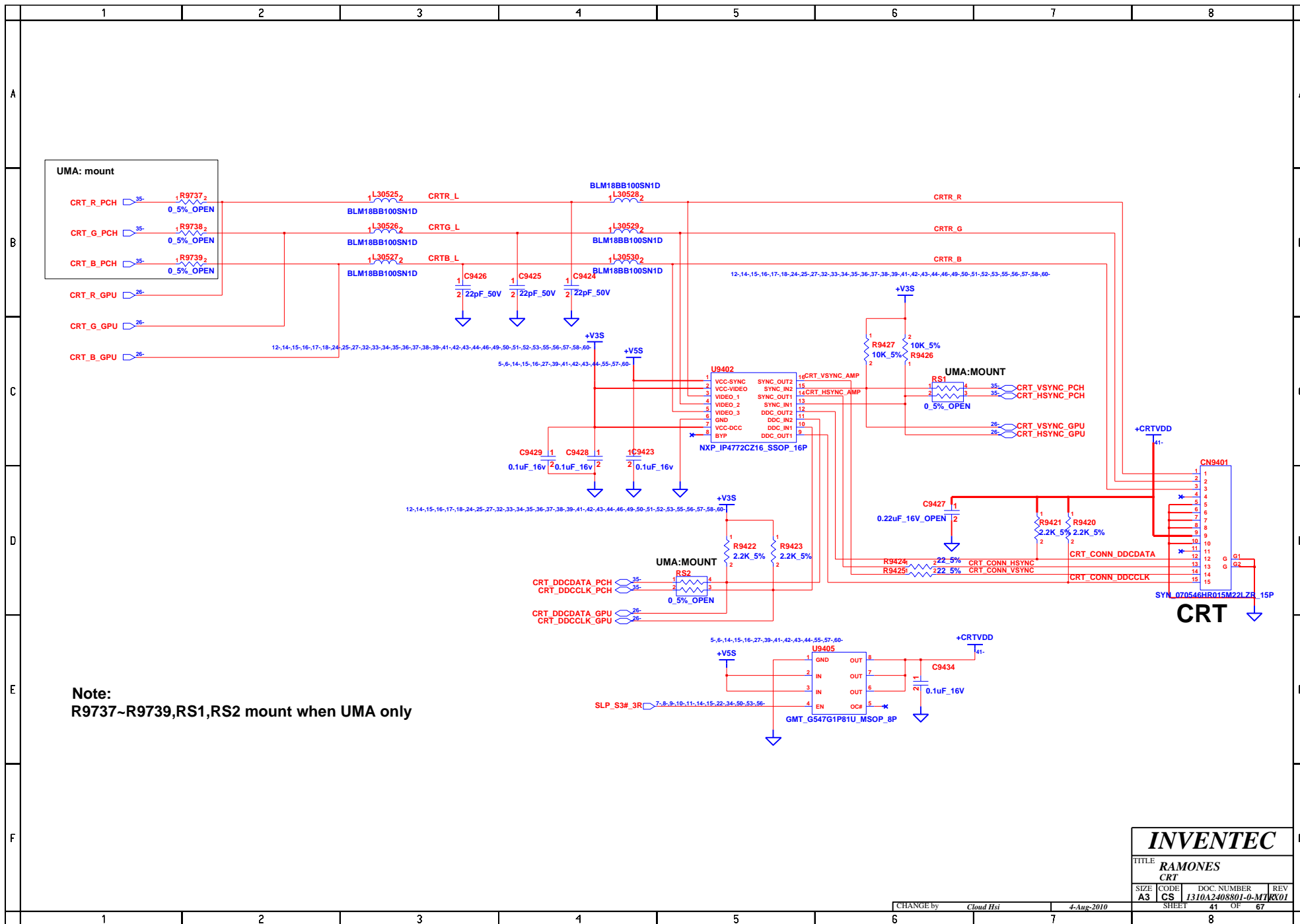
- HS VSS(0)
- AA17 VSS(1)
- AA2 VSS(2)
- AA3 VSS(3)
- AA33 VSS(4)
- AA34 VSS(5)
- AB11 VSS(6)
- AB14 VSS(7)
- AB39 VSS(8)
- AB4 VSS(9)
- AB43 VSS(10)
- AB5 VSS(11)
- AB7 VSS(12)
- AC19 VSS(13)
- AC2 VSS(14)
- AC4 VSS(15)
- AC24 VSS(16)
- AC33 VSS(17)
- AC34 VSS(18)
- AC46 VSS(19)
- AD19 VSS(20)
- AD11 VSS(21)
- AD12 VSS(22)
- AD13 VSS(23)
- AD19 VSS(24)
- AD24 VSS(25)
- AD26 VSS(26)
- AD27 VSS(27)
- AD33 VSS(28)
- AD34 VSS(29)
- AD36 VSS(30)
- AD37 VSS(31)
- AD38 VSS(32)
- AD39 VSS(33)
- AD4 VSS(34)
- AD40 VSS(35)
- AD42 VSS(36)
- AD43 VSS(37)
- AD44 VSS(38)
- AD46 VSS(39)
- AD8 VSS(40)
- AE2 VSS(41)
- AE3 VSS(42)
- AF19 VSS(43)
- AF12 VSS(44)
- AD14 VSS(45)
- AD16 VSS(46)
- AF16 VSS(47)
- AF19 VSS(48)
- AF24 VSS(49)
- AF26 VSS(50)
- AF27 VSS(51)
- AF29 VSS(52)
- AF31 VSS(53)
- AF38 VSS(54)
- AF4 VSS(55)
- AF42 VSS(56)
- AF46 VSS(57)
- AF5 VSS(58)
- AF7 VSS(59)
- AF8 VSS(60)
- AG19 VSS(61)
- AG2 VSS(62)
- AG31 VSS(63)
- AG48 VSS(64)
- AH11 VSS(65)
- AH3 VSS(66)
- AH36 VSS(67)
- AH39 VSS(68)
- AH40 VSS(69)
- AH42 VSS(70)
- AH46 VSS(71)
- AH7 VSS(72)
- AJ19 VSS(73)
- AJ21 VSS(74)
- AJ24 VSS(75)
- AJ33 VSS(76)
- AJ34 VSS(77)
- AK12 VSS(78)
- AK3 VSS(79)

U28-9 Pinout:

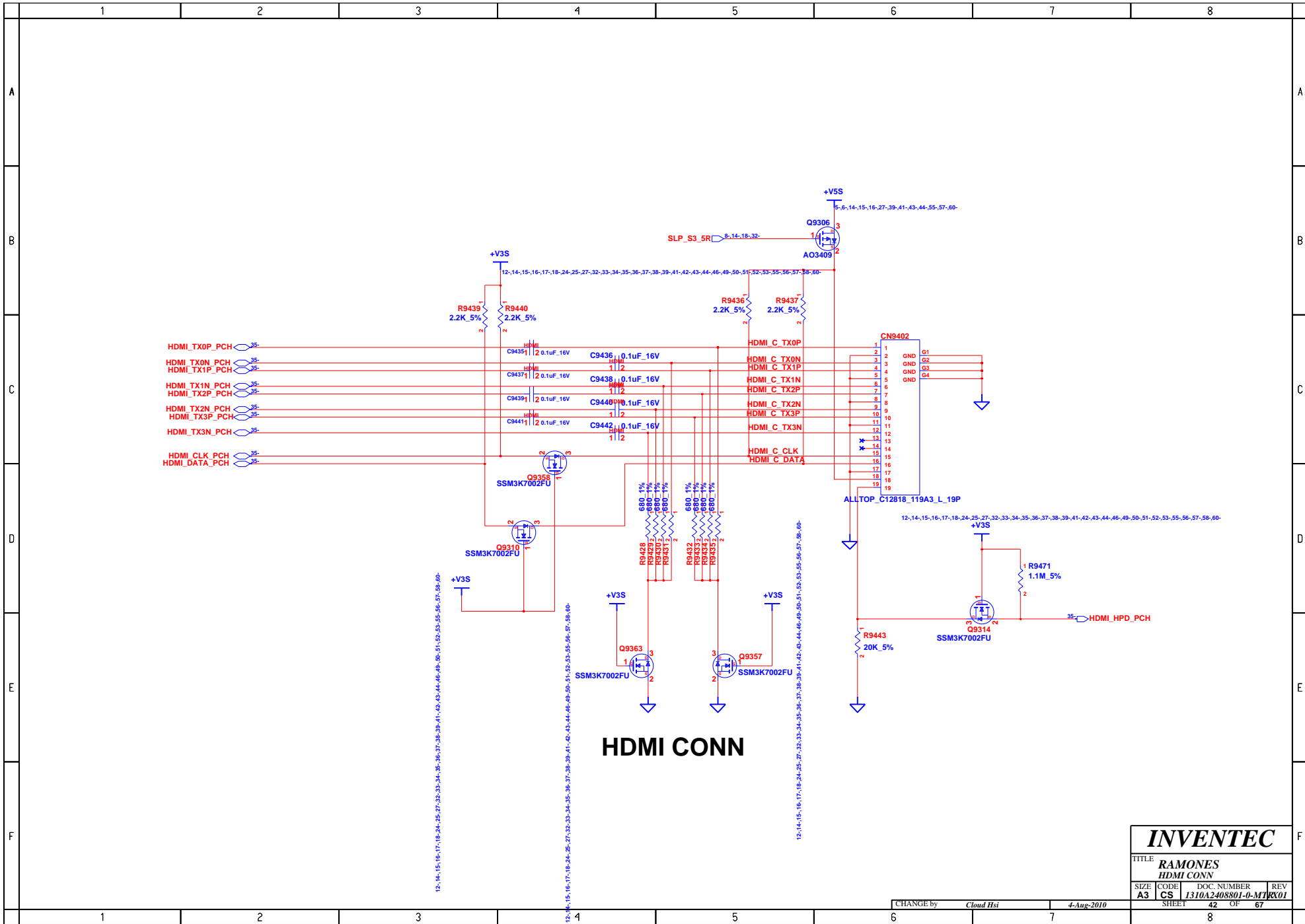
- AY4 VSS(159)
- AY42 VSS(160)
- AY46 VSS(161)
- AY8 VSS(162)
- B11 VSS(163)
- B15 VSS(164)
- B19 VSS(165)
- B23 VSS(166)
- B27 VSS(167)
- B31 VSS(168)
- B35 VSS(169)
- B39 VSS(170)
- B7 VSS(171)
- B46 VSS(172)
- BB12 VSS(173)
- BB16 VSS(174)
- BB20 VSS(175)
- BB22 VSS(176)
- BB24 VSS(177)
- BB28 VSS(178)
- BB39 VSS(179)
- BB38 VSS(180)
- BB4 VSS(181)
- BB46 VSS(182)
- BC14 VSS(183)
- BC18 VSS(184)
- BC2 VSS(185)
- BC22 VSS(186)
- BC26 VSS(187)
- BC32 VSS(188)
- BC34 VSS(189)
- BC36 VSS(190)
- BC40 VSS(191)
- BC42 VSS(192)
- BC46 VSS(193)
- BD46 VSS(194)
- BDS VSS(195)
- BE22 VSS(196)
- BE26 VSS(197)
- BE40 VSS(198)
- BF10 VSS(199)
- BF12 VSS(200)
- BF16 VSS(201)
- BF20 VSS(202)
- BF22 VSS(203)
- BF24 VSS(204)
- BF26 VSS(205)
- BF28 VSS(206)
- BD2 VSS(207)
- BF30 VSS(208)
- BF38 VSS(209)
- BF40 VSS(210)
- BF8 VSS(211)
- BG17 VSS(212)
- BG21 VSS(213)
- BG33 VSS(214)
- BG44 VSS(215)
- BG8 VSS(216)
- BH11 VSS(217)
- BH15 VSS(218)
- BH17 VSS(219)
- BH20 VSS(220)
- H10 VSS(221)
- BH27 VSS(222)
- BH31 VSS(223)
- BH33 VSS(224)
- BH35 VSS(225)
- BH39 VSS(226)
- BH43 VSS(227)
- BH7 VSS(228)
- D3 VSS(229)
- D12 VSS(230)
- D16 VSS(231)
- D18 VSS(232)
- D22 VSS(233)
- D24 VSS(234)
- D26 VSS(235)
- D30 VSS(236)
- D32 VSS(237)
- D34 VSS(238)
- D38 VSS(239)
- D42 VSS(240)
- D8 VSS(241)
- E18 VSS(242)
- E26 VSS(243)
- G18 VSS(244)
- G20 VSS(245)
- G26 VSS(246)
- G28 VSS(247)
- G36 VSS(248)
- G46 VSS(249)
- H12 VSS(250)
- H18 VSS(251)
- H22 VSS(252)
- H24 VSS(253)
- H26 VSS(254)
- H30 VSS(255)
- H32 VSS(256)
- H34 VSS(257)
- F3 VSS(258)

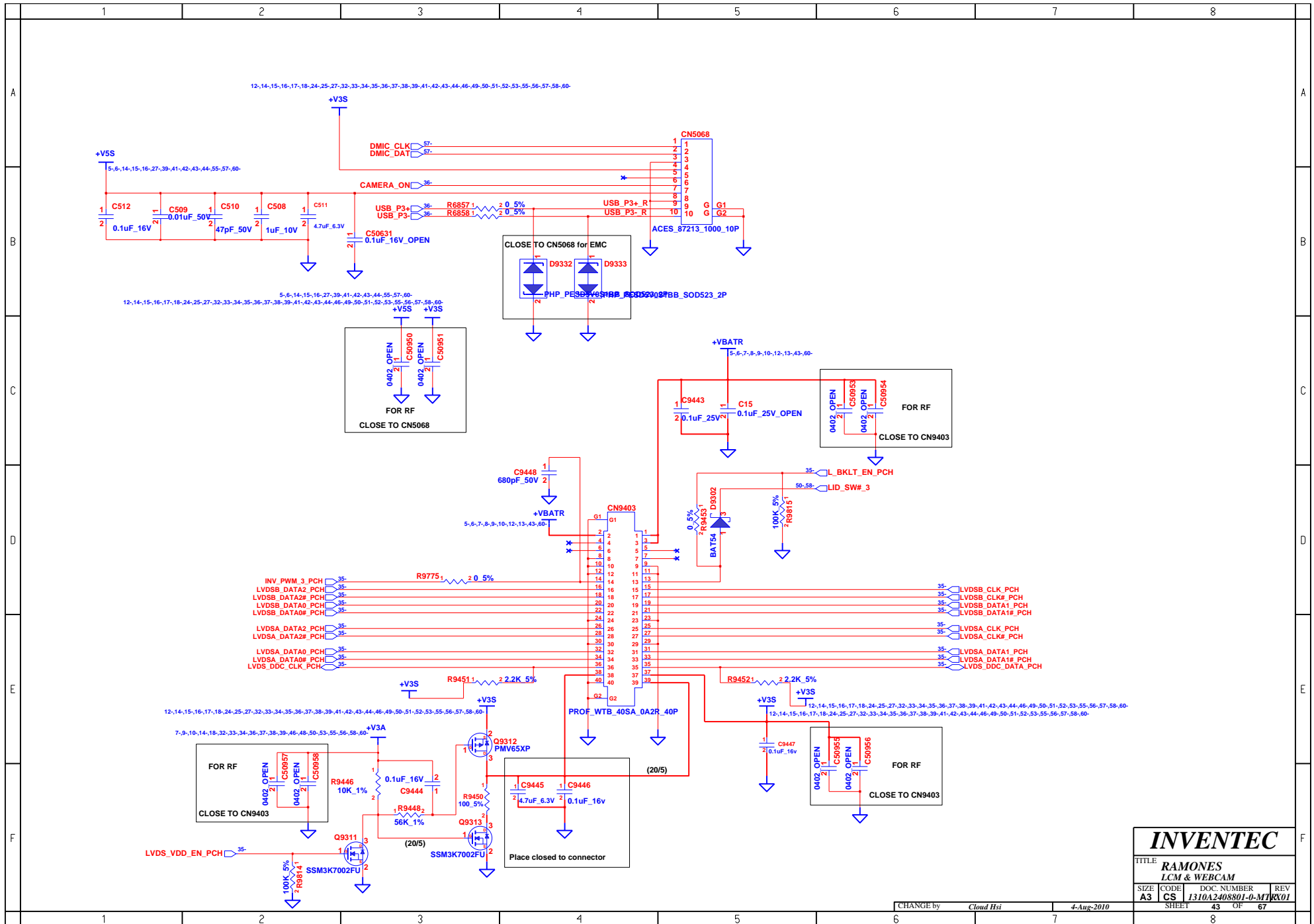
U28-9 Pinout (Continued):

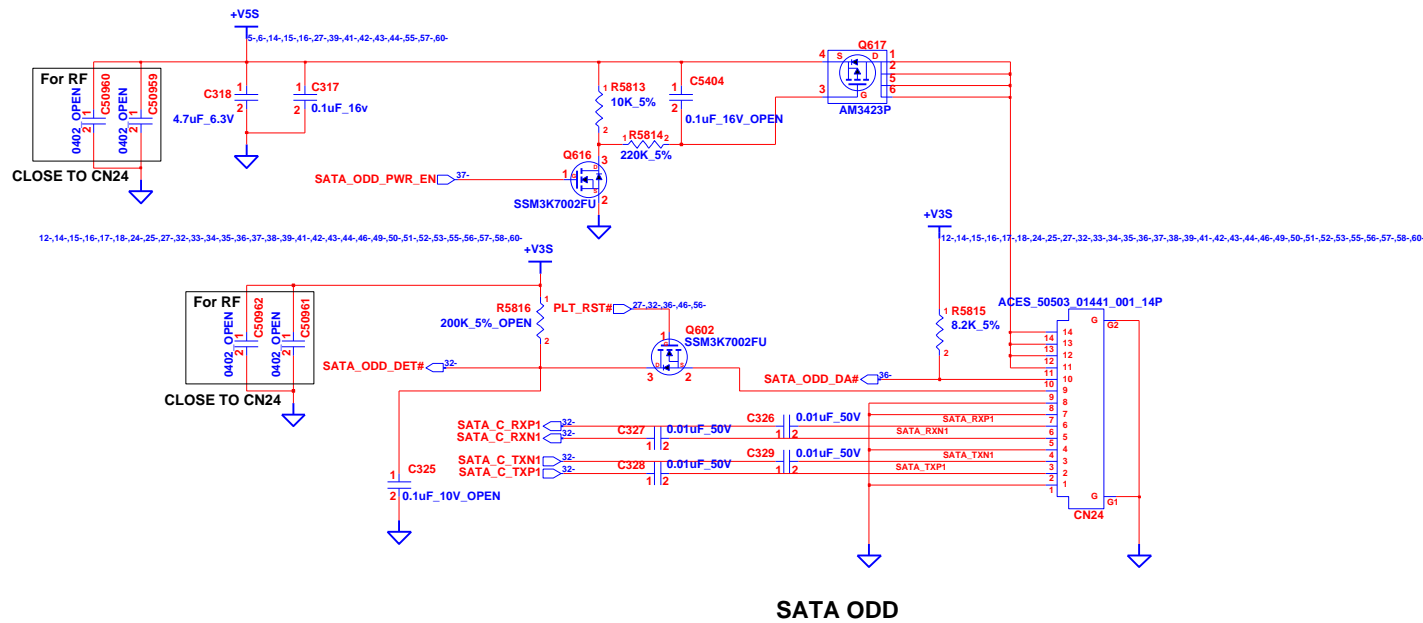
- VSS(259) K18
- VSS(260) K18
- VSS(261) K39
- VSS(262) K39
- VSS(263) K46
- VSS(264) K7
- L18
- L2
- VSS(265) L20
- VSS(266) L26
- VSS(267) L26
- VSS(268) L36
- VSS(269) L36
- VSS(270) L48
- VSS(271) M12
- VSS(272) M16
- VSS(273) M18
- VSS(274) M22
- VSS(275) M24
- VSS(276) M30
- VSS(277) M32
- VSS(278) M34
- VSS(279) M4
- VSS(280) M42
- VSS(281) M46
- VSS(282) M48
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- VSS(284) M48
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- VSS(333) M48
- VSS(334) M48
- VSS(335) M48
- VSS(336) M48
- VSS(337) M48
- VSS(338) M48
- VSS(339) M48
- VSS(340) M48
- VSS(341) M48
- VSS(342) M48
- VSS(343) M48
- VSS(344) M48
- VSS(345) M48
- VSS(346) M48
- VSS(347) M48
- VSS(348) M48
- VSS(349) M48
- VSS(350) M48
- VSS(351) M48
- VSS(352) M48



INVENTEC			
TITLE RAMONES CRT			
SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV R001
CHANGE by Cloud Hsi		4-Aug-2010	
SHEET 41		OF 67	

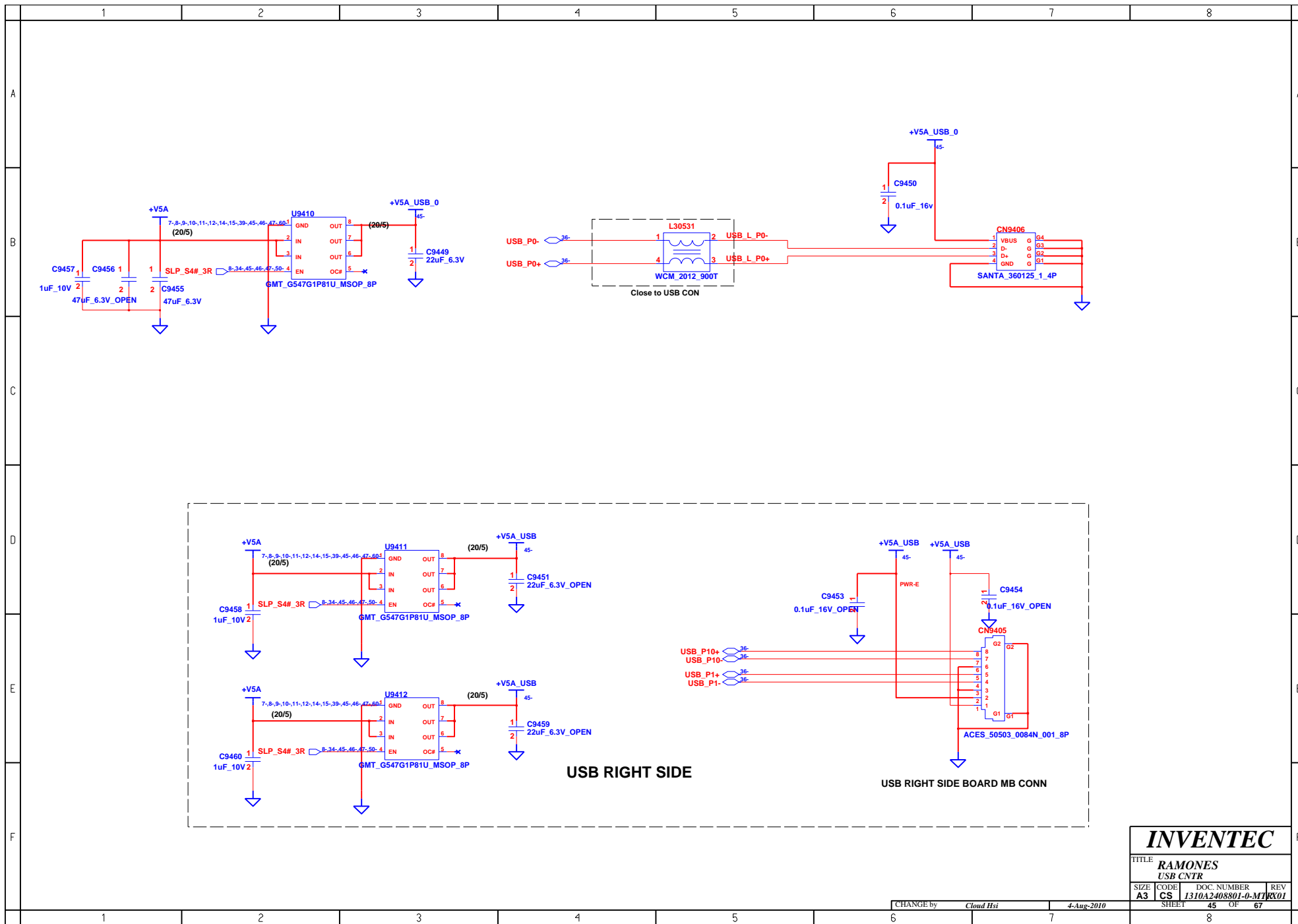




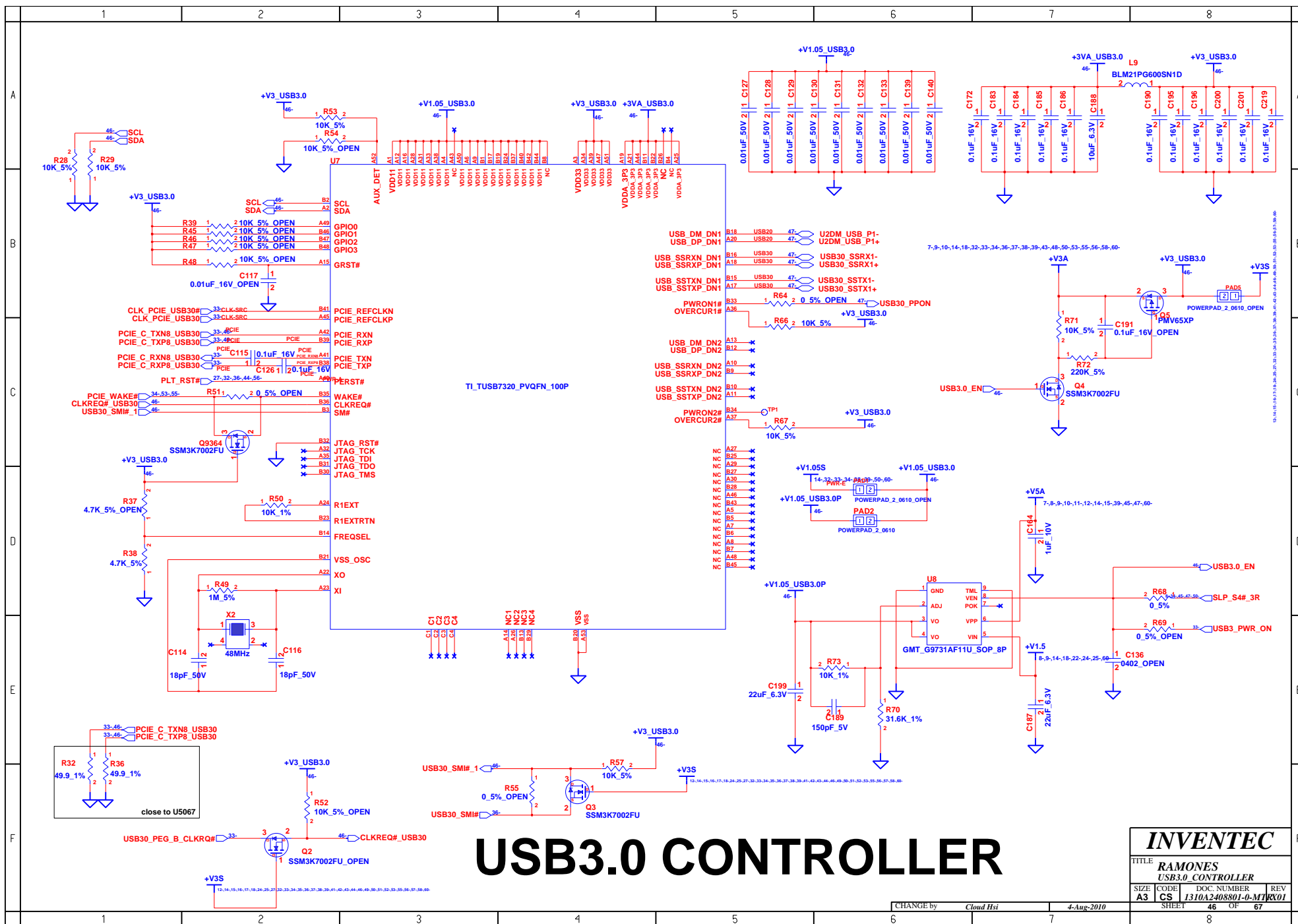


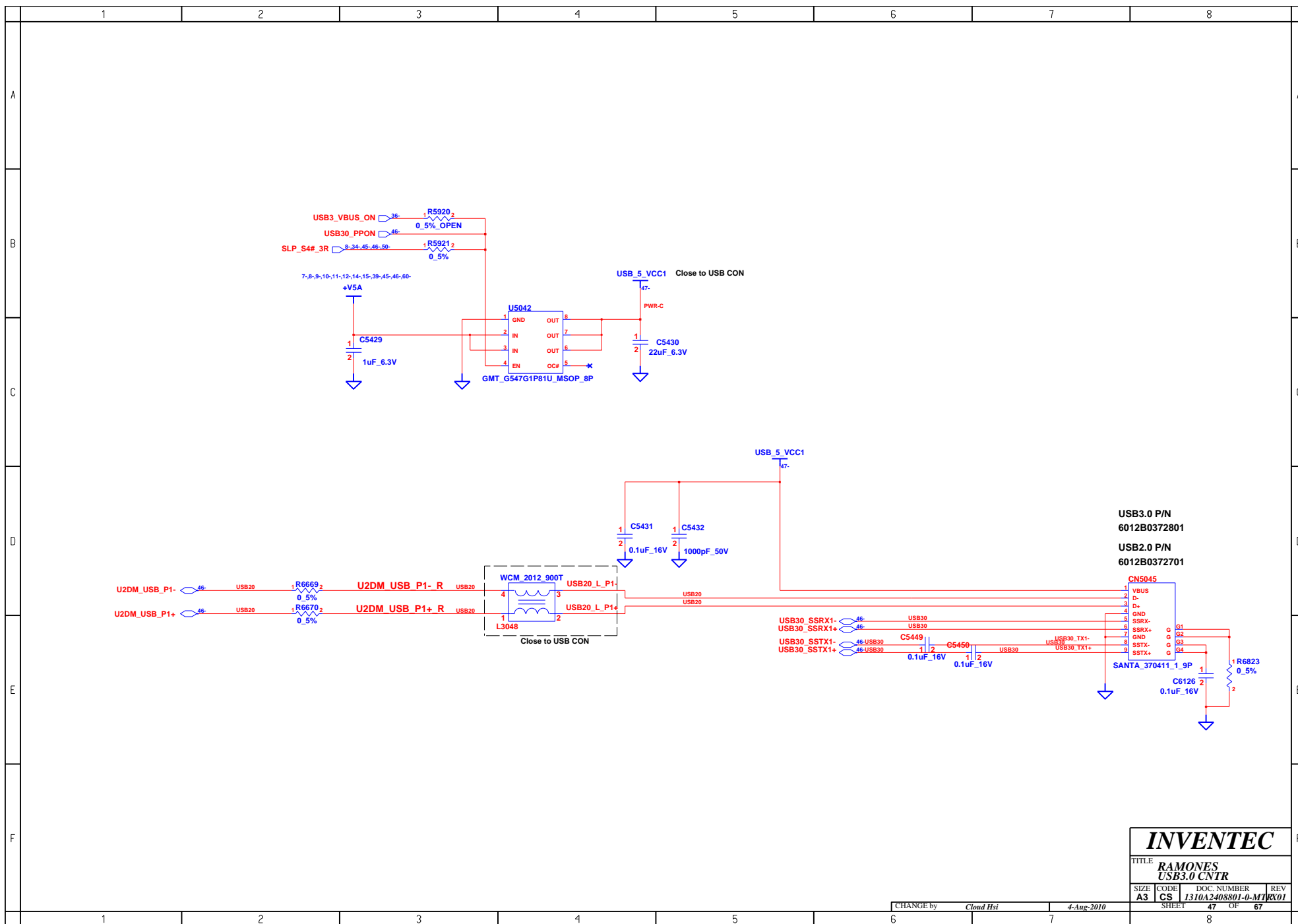
TITLE			
RAMONES SATA HDD & ODD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2408801-0-MTR	01
SHEET		44 OF	67

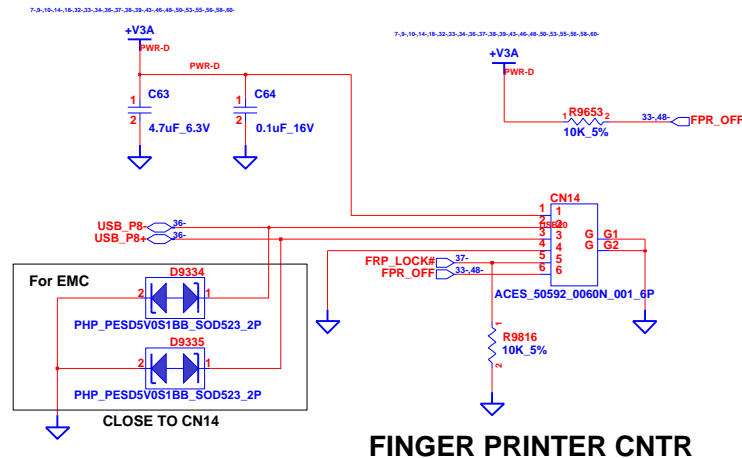
CHANGE by	Cloud Hsi	4-Aug-2010
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INVENTEC			
TITLE RAMONES USB CNTR			
SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV R001
CHANGE by Cloud Hsi		4-Aug-2010	
SHEET		45	OF 67







FINGER PRINTER CNTR

INVENTEC			
TITLE RAMONES			
FINGER PRINTER			
SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV 001
CHANGE by <i>Cloud Hsi</i>		4-Aug-2010	
SHEET 48		OF 67	



CHANGE by	<i>Cloud Hsi</i>	<i>4-Aug-2010</i>
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PIN NAME	LEVEL	PANEL SIZE
KBD17_ID#	HIGH	15
	LOW	17

For RF

0402 OPEN

C5096

0402 OPEN

C5096

CLOSE TO CN9407

KEYBOARD CONN

TOUCH PAD CNTR

INVENTEC

RAMONES

KEYBOARD & TOUCH PAD

SIZE: A3

CODE: CS

DOC. NUMBER: 1310A2408801-0-MT

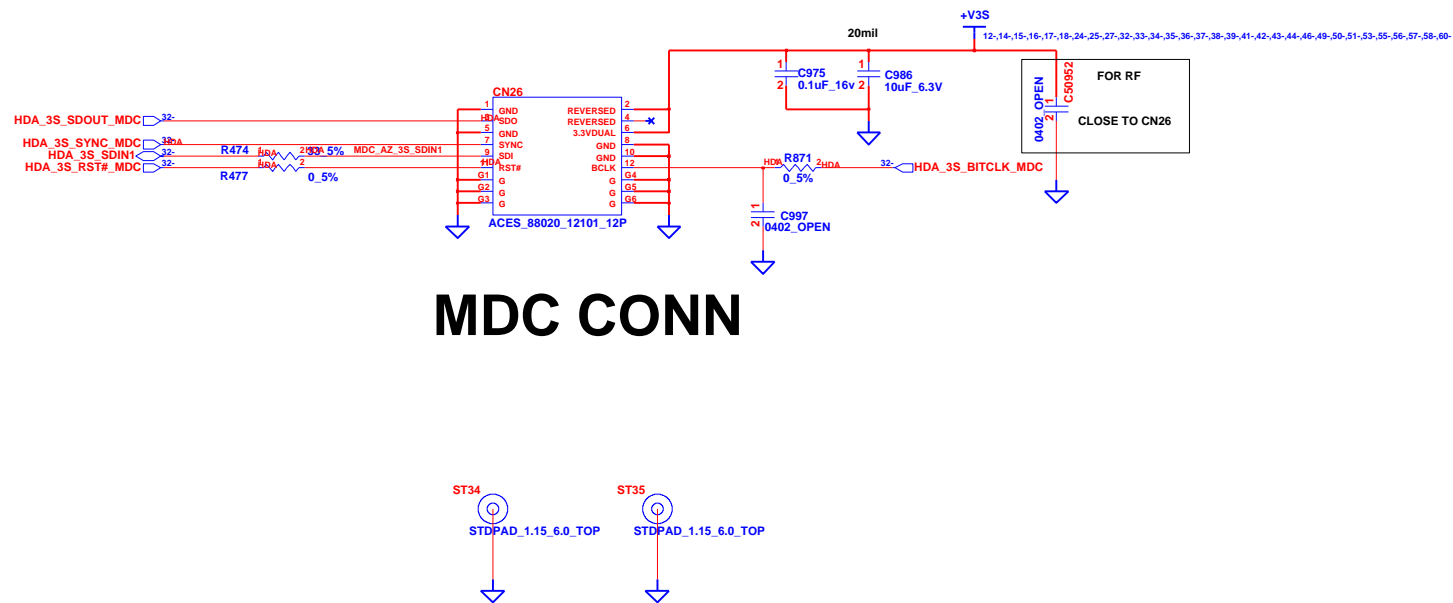
REV: 01

SHEET: 51 OF 67

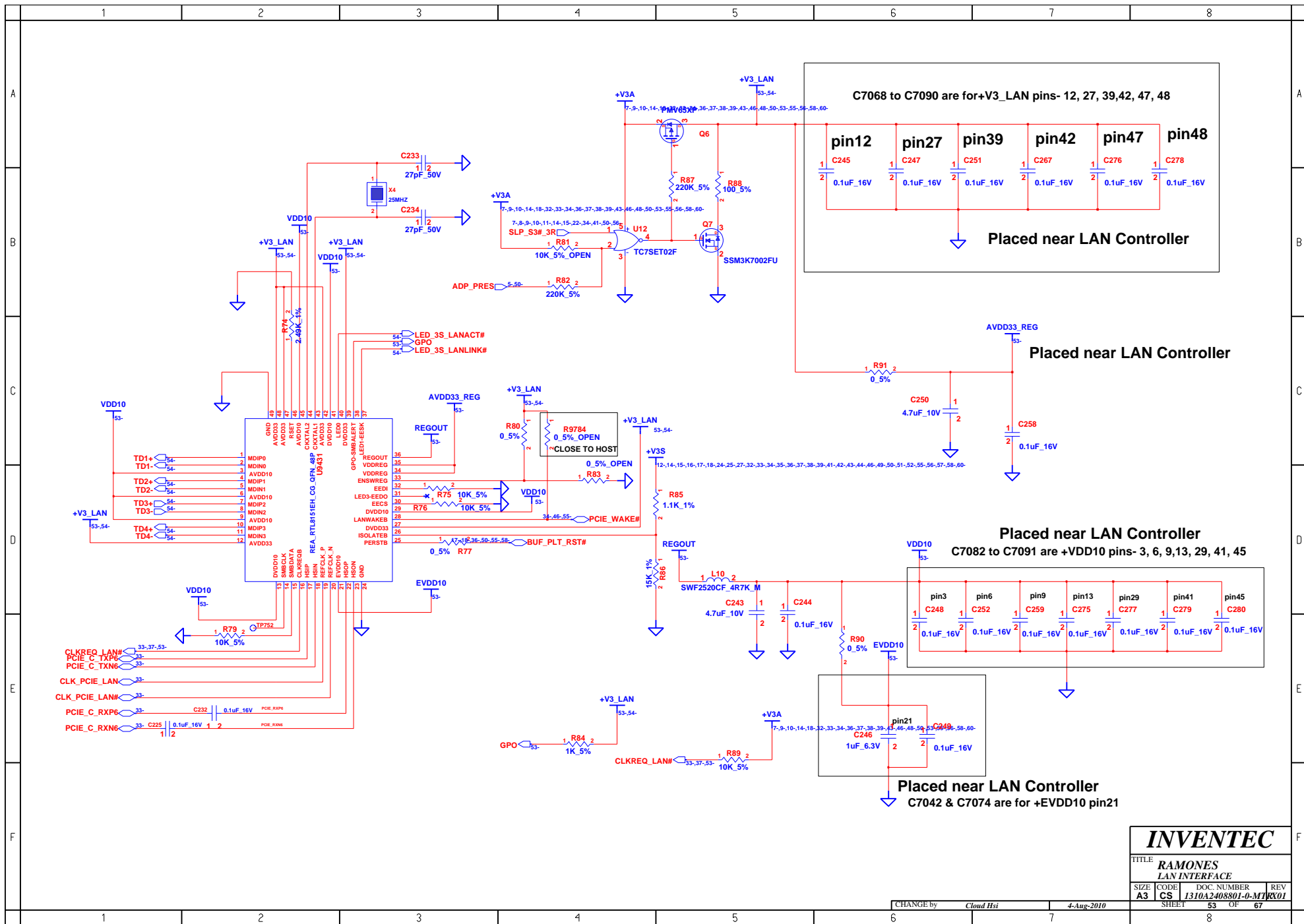
CHANGE by: Cloud Hsi

4-Aug-2010

TITLE			
RAMONES			
KEYBOARD & TOUCH PAD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2408801-0-MTRX01	
SHEET		51	OF 67



INVENTEC			
TITLE RAMONES			
MDC			
SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV R001
CHANGE by Cloud Hsi		4-Aug-2010	
SHEET		52	OF 67



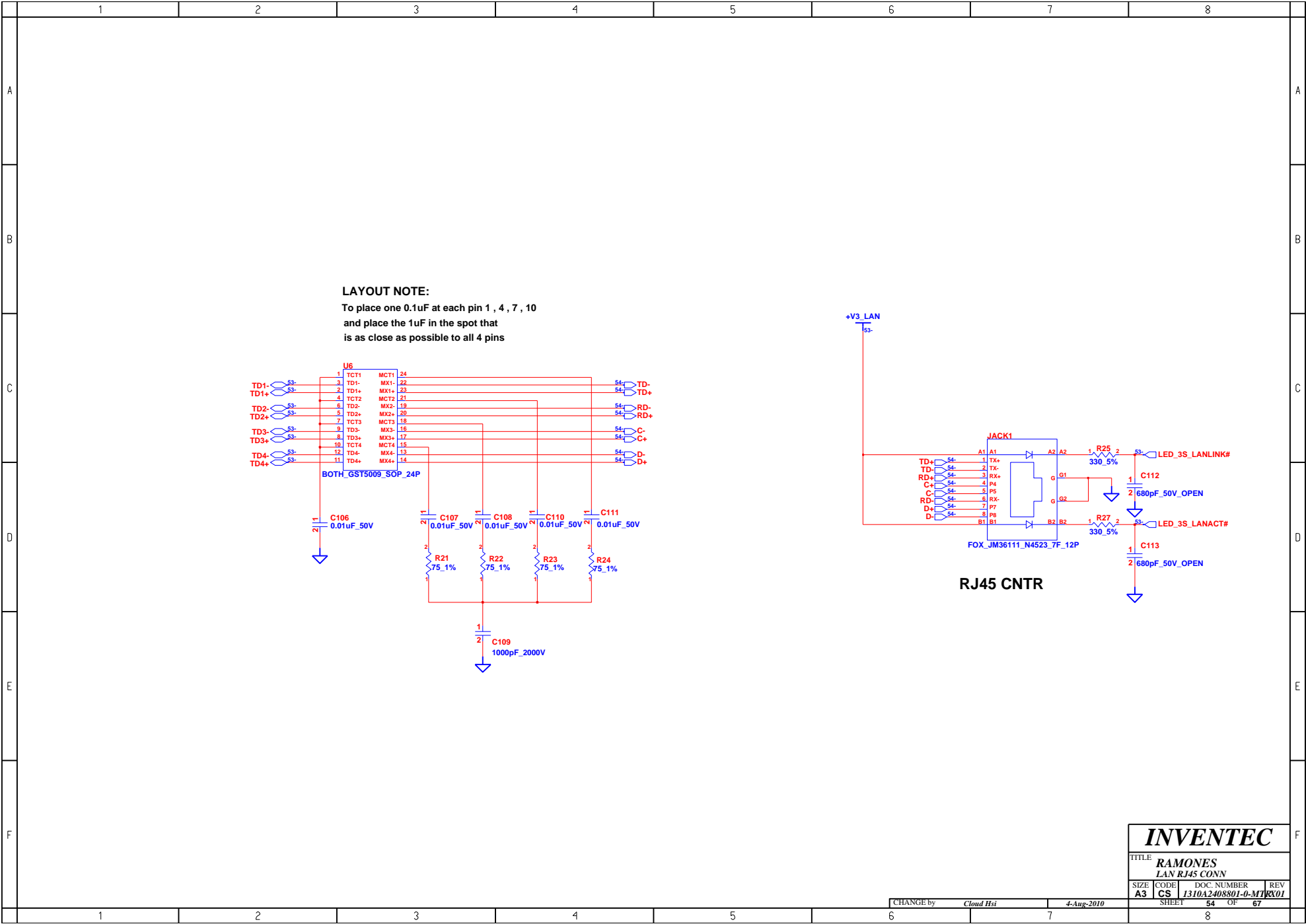
INVENTEC

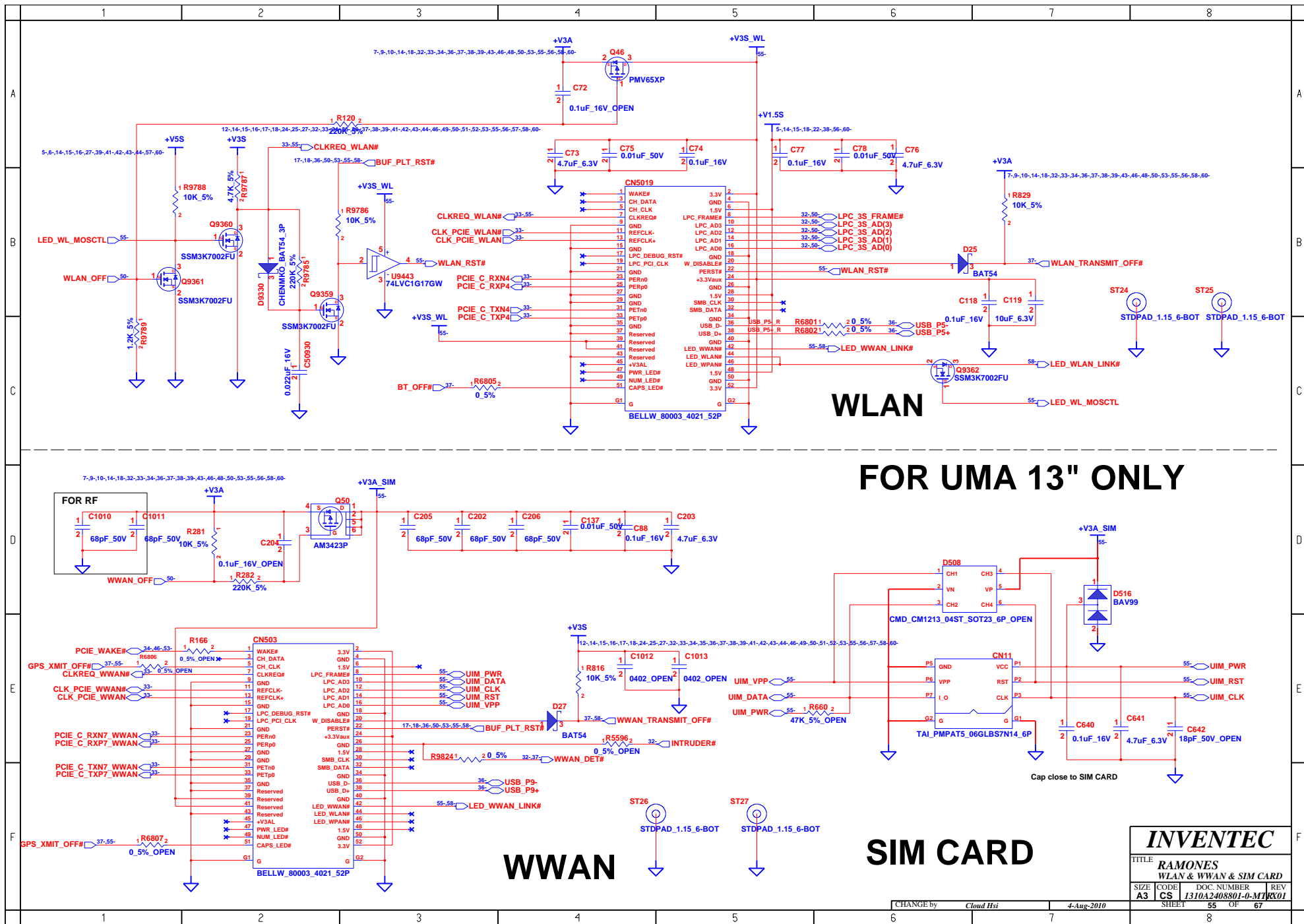
TITLE
**RAMONES
LAN INTERFACE**

SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV 001
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CHANGE by *Cloud Hsi* 4-Aug-2010

SHEET 53 OF 67

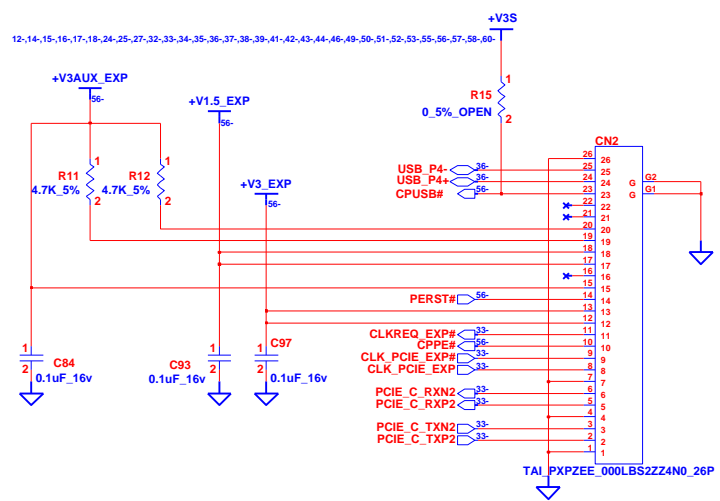
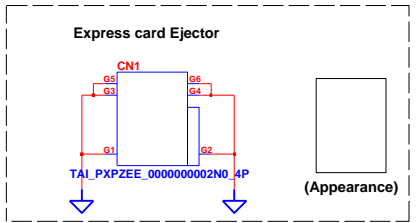
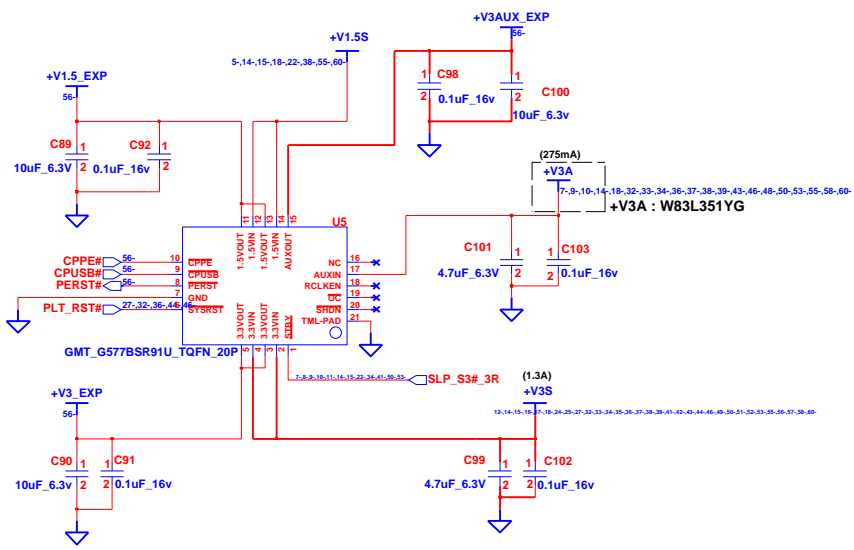




INVENTEC

TITLE RAMONES WLAN & WWAN & SIM CARD			
SIZE A3	CODE CS	DOC NUMBER 1310A2408801-0-MT	REV R01
SHEET 55		OF 67	

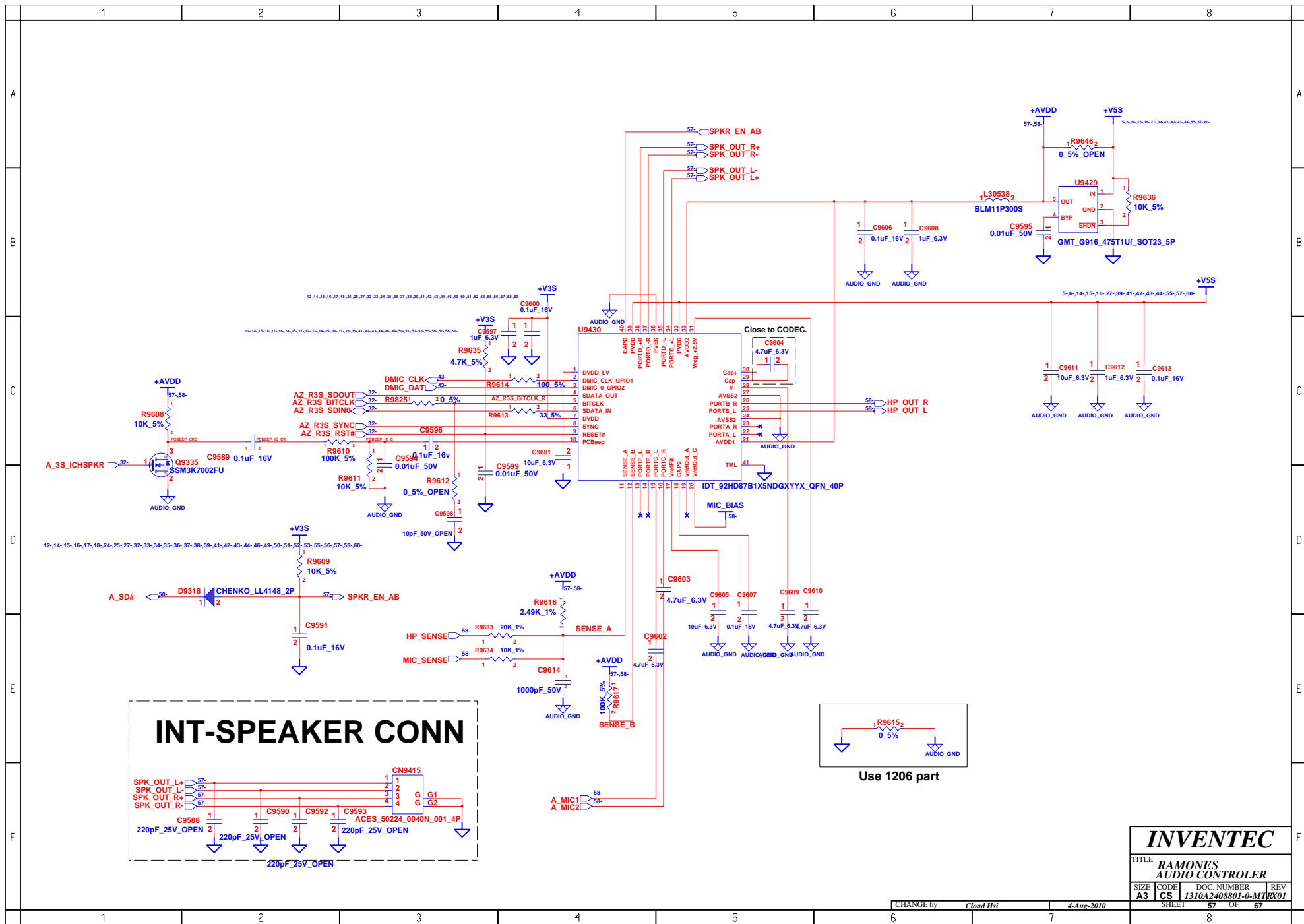
CHANGE by Cloud Hsi 4-Aug-2010



Express card

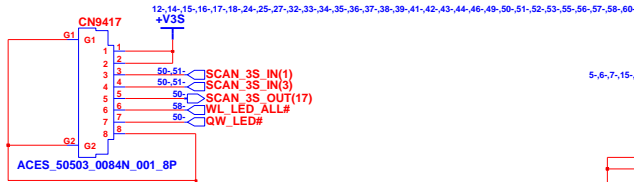
INVENTEC			
TITLE			
RAMONES Express Card			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2408801-0-MT	001
SHEET		56	OF 67

CHANGE by	Cloud Hsi	4-Aug-2010
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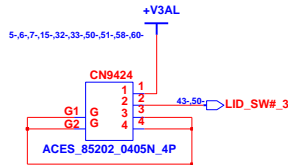


INVENTEC			
TITLE: RAMONES AUDIO CONTROLLER			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2408801-0-MT	REV: R01
SHEET: 57		OF: 67	

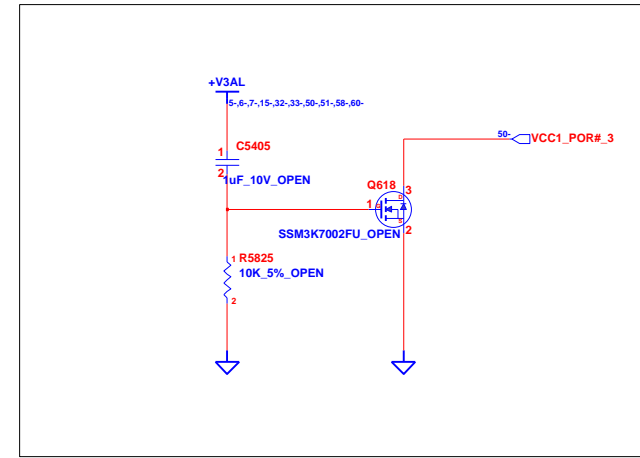
CHANGE by: Cloud Hsi 4-Aug-2010



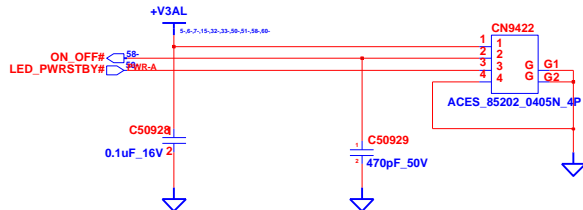
For QUICK LAUNCH BOARD MB CONN



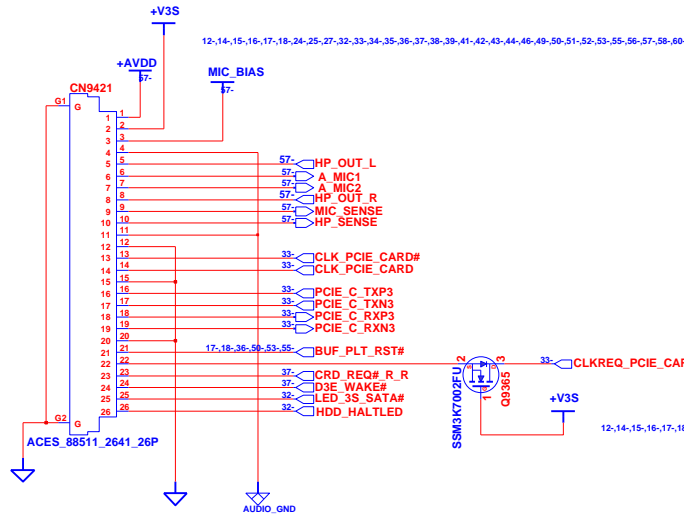
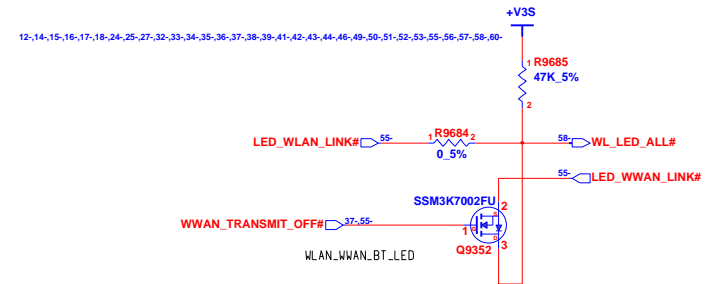
For LID SWITCH BOARD MB CONN



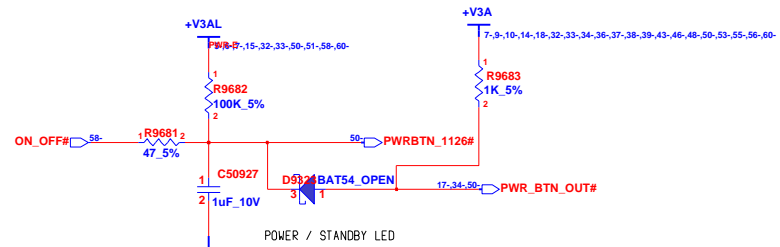
CLOSE TO KBC



For POWER BUTTON BOARD MB CONN



For CardReader&AUDIO Jack BOARD MB CONN



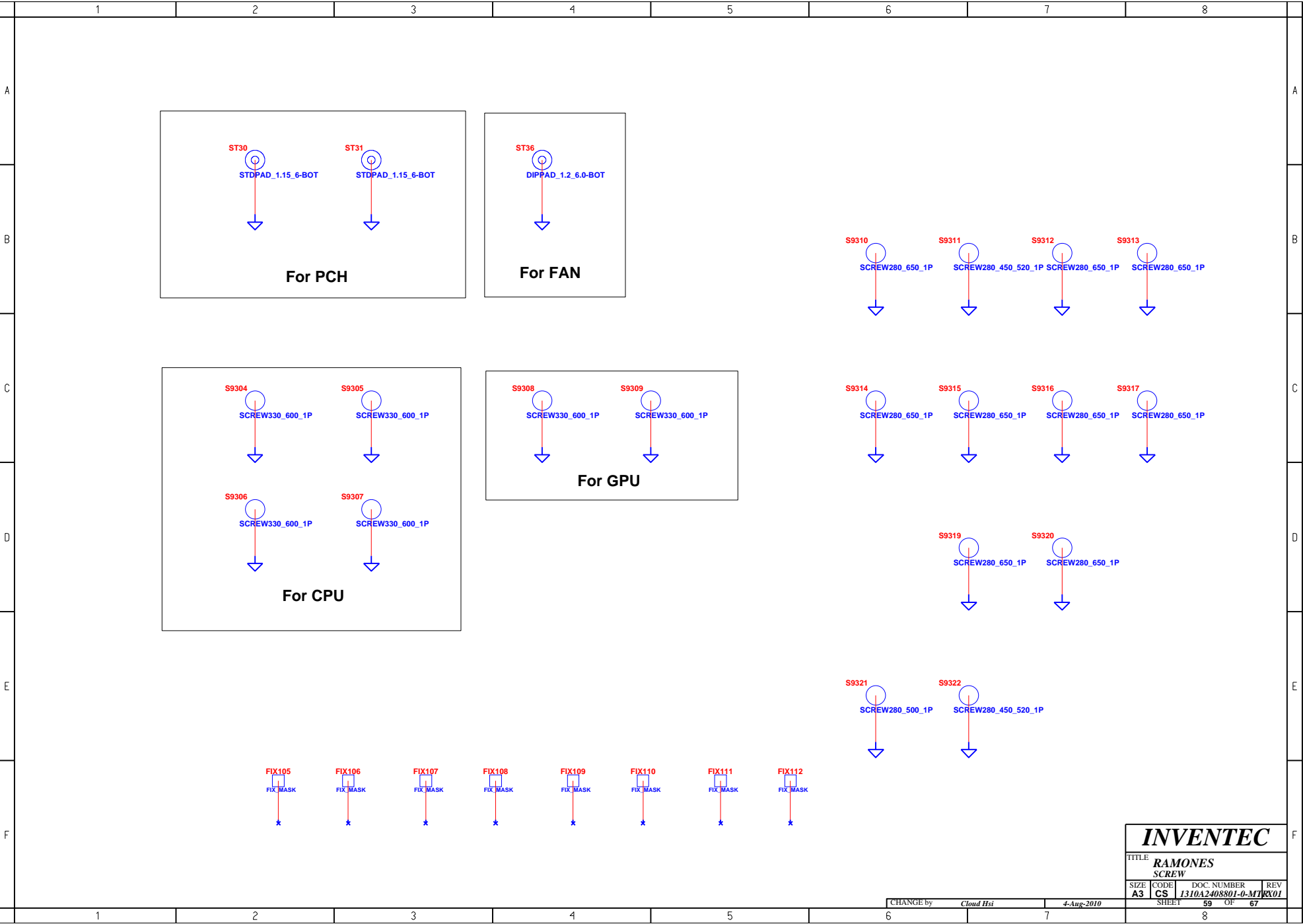
INVENTEC

TITLE
RAMONES
Power Button MB Conn

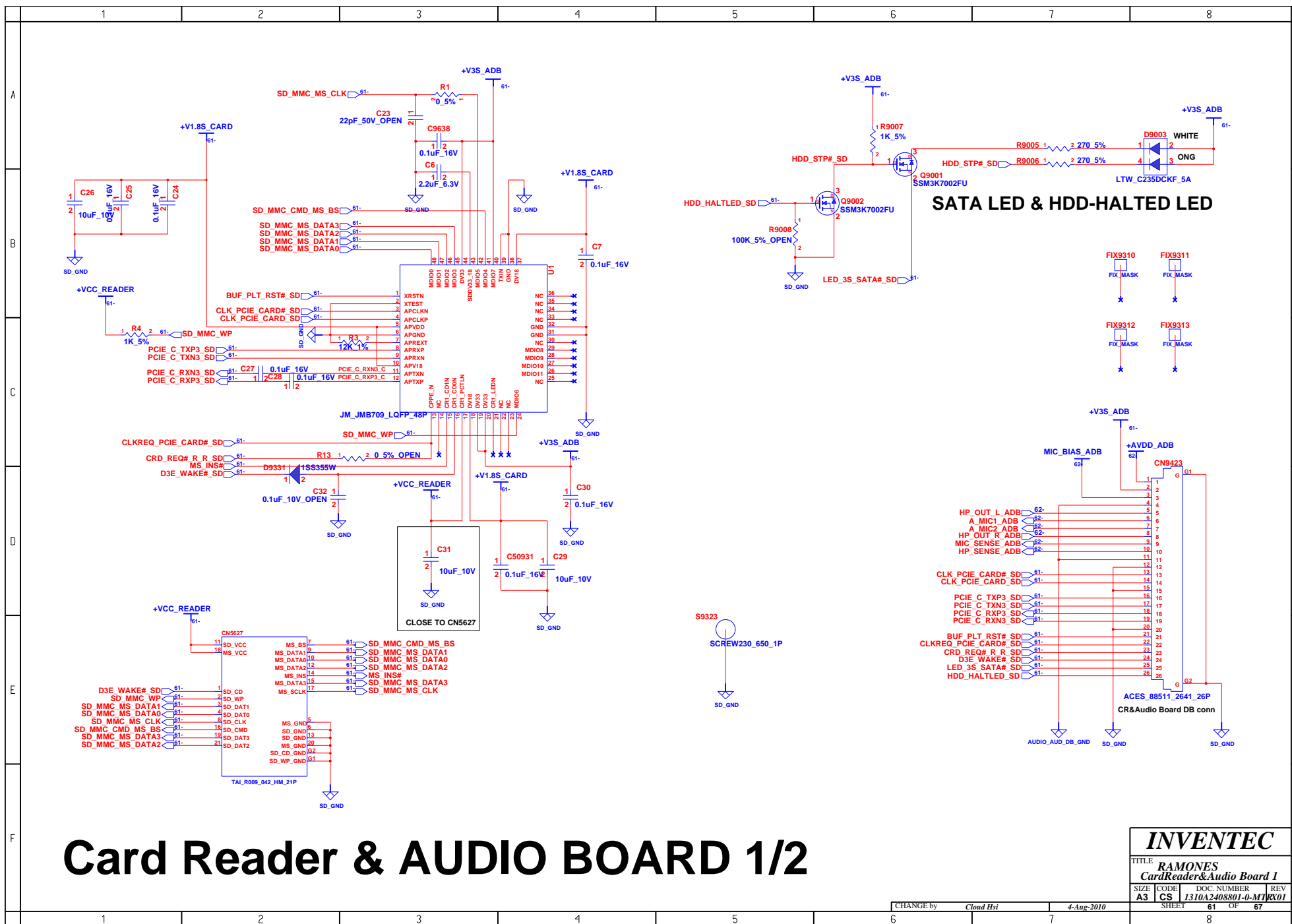
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2408801-0-MT	01

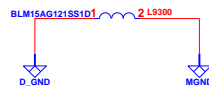
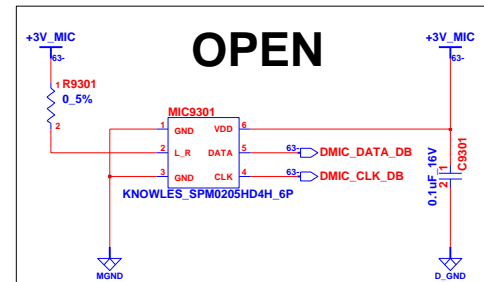
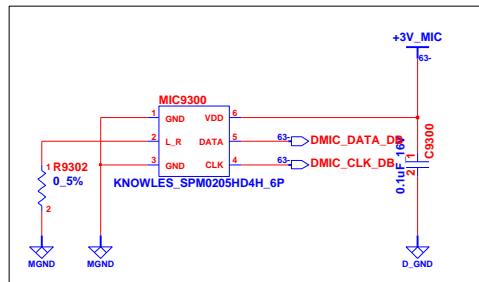
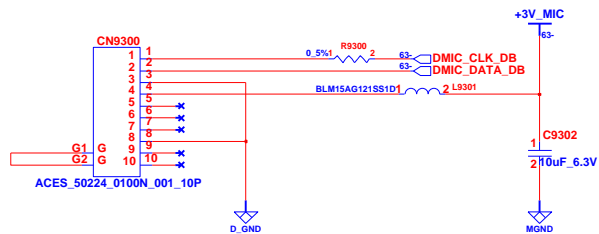
CHANGE by Cloud Hsi 4-Aug-2010

SHEET 58 OF 67



INVENTEC			
TITLE RAMONES SCREW			
SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV R001
CHANGE by Cloud Hsi		4-Aug-2010	
SHEET 59		OF 67	

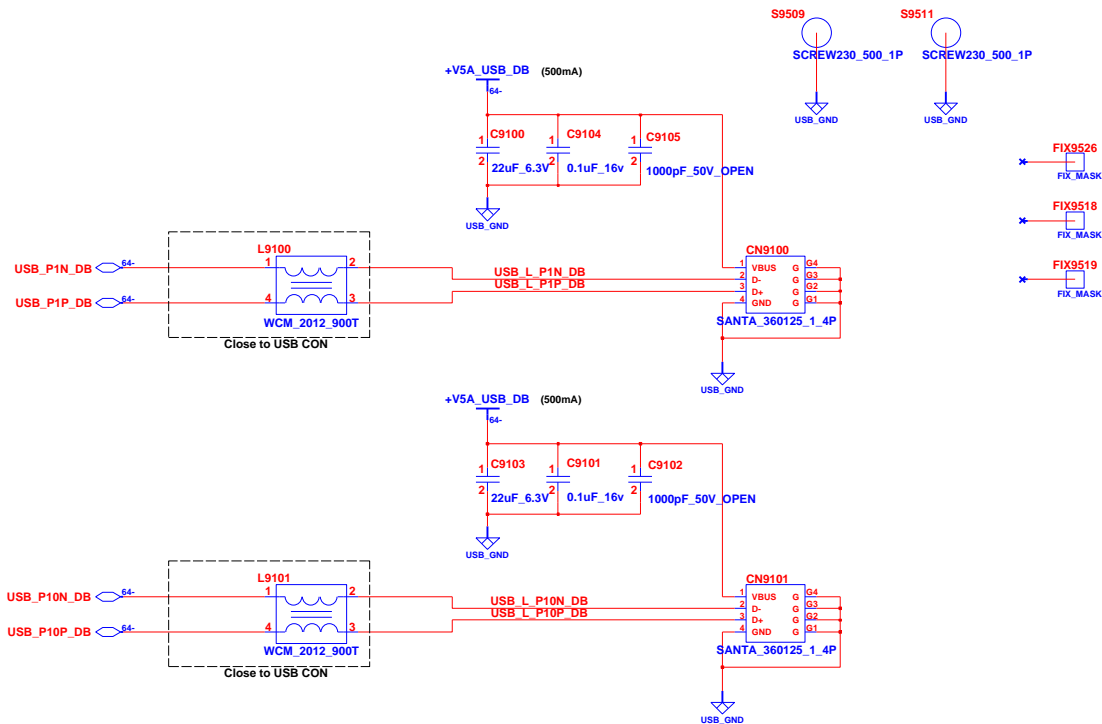
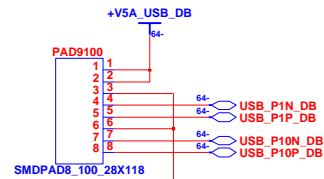




PCB_PN:6050A2412501

DIGITAL MIC BOARD (PCBA the same with 13"/14")

INVENTEC			
TITLE			
RAMONES DIGITAL MIC DB			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2408801-0-MT	001
CHANGE by		Cloud Hsi	4-Aug-2010
SHEET		63	OF 67



USB Right Side Board

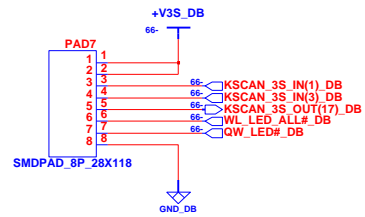
(PCBA the same wltH 13"/14")

PCB_PN:6050A2411401

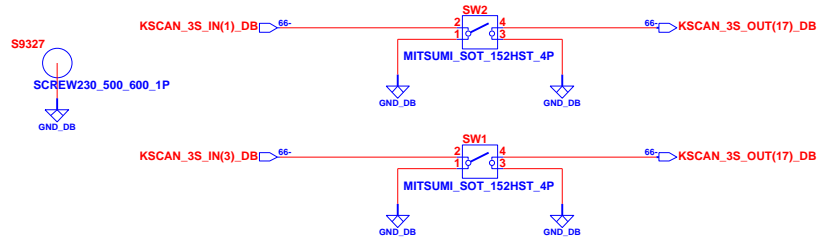
INVENTEC			
TITLE: RAMONES USB RIGHT SIDE DB BOARD			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2408801-0-MT	REV: R001
CHANGE by: Cloud Hsi		27-Aug-2010	
SHEET: 64		OF: 67	

Quick Launch Board

PCB_PN:6050A2410501

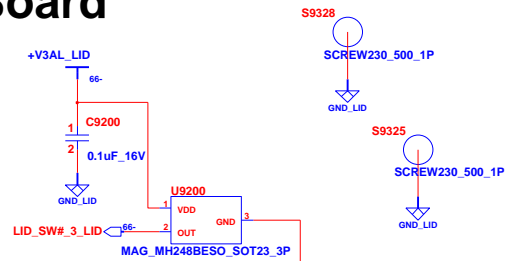
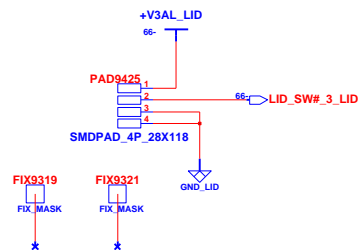


QUICK LAUCH BOARD DB CONN



LID SWITCH BOARD Board

PCB_PN:6050A2414801



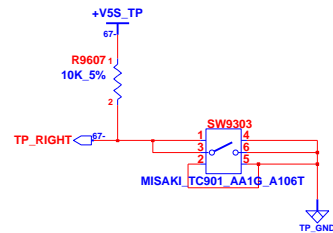
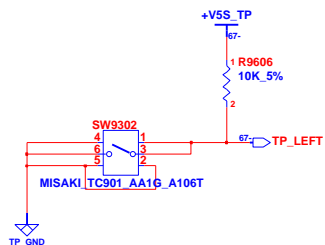
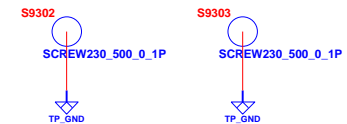
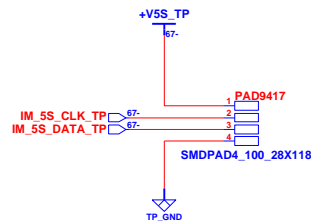
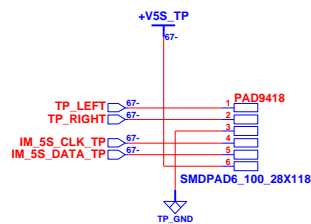
LID SWITCH

Reference Number 9200-9299

INVENTEC

TITLE			
RAMONES			
QUICK LAUCH&WLAN BOARD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2408801-0-MT	R001
SHEET		66	OF 67

CHANGE by Cloud Hsi 4-Aug-2010



LEFT BUTTON

RIGHT BUTTON

PICK Button Board

PCB_PN:6050A2410601

INVENTEC			
TITLE: RAMONES TOUCH BUTTON BOARD			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2408801-0-MT	REV: R001
SHEET: 67		OF: 67	

CHANGE by: Cloud Hsi 27-Aug-2010

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