

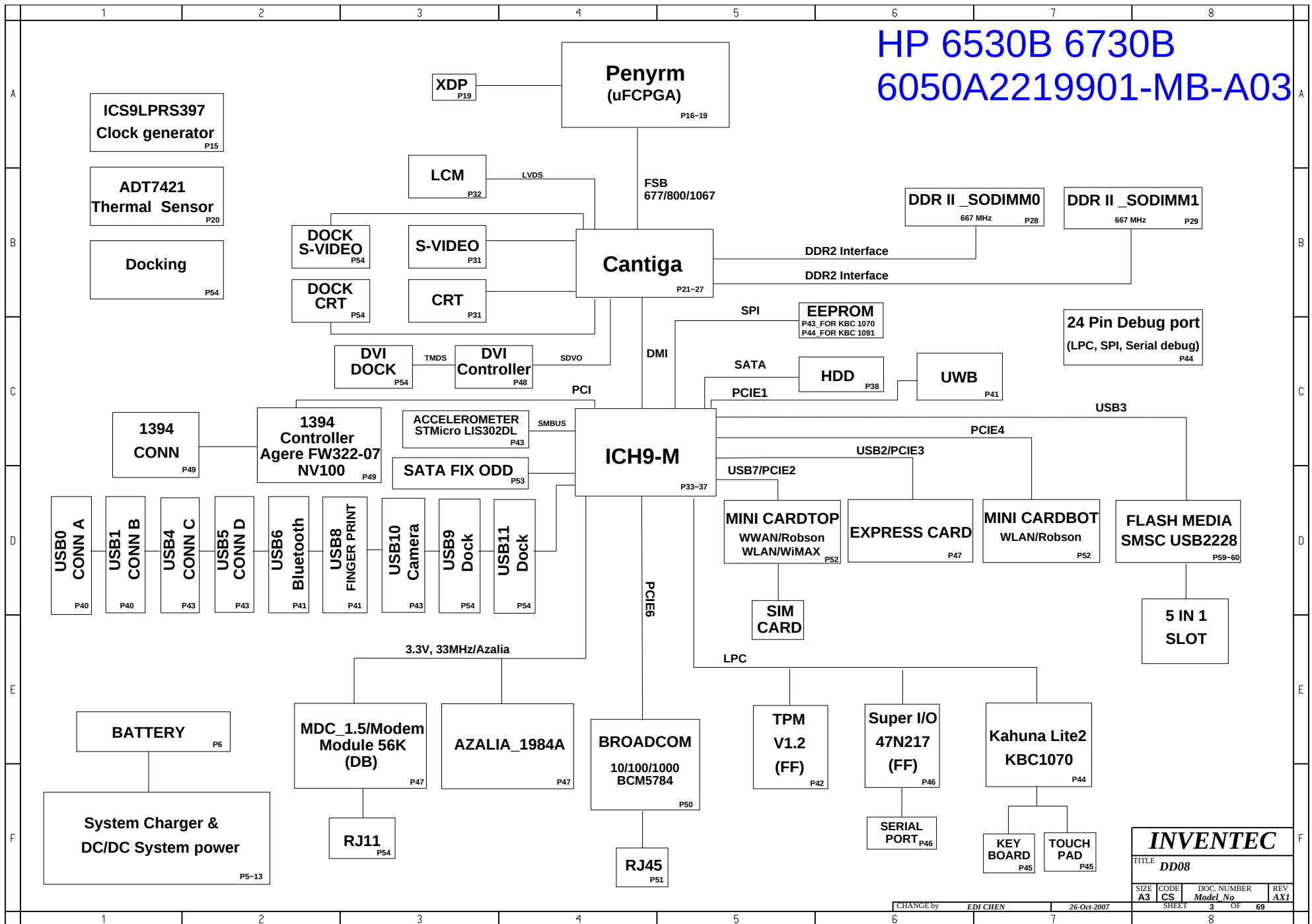
Danzka Dubra 08

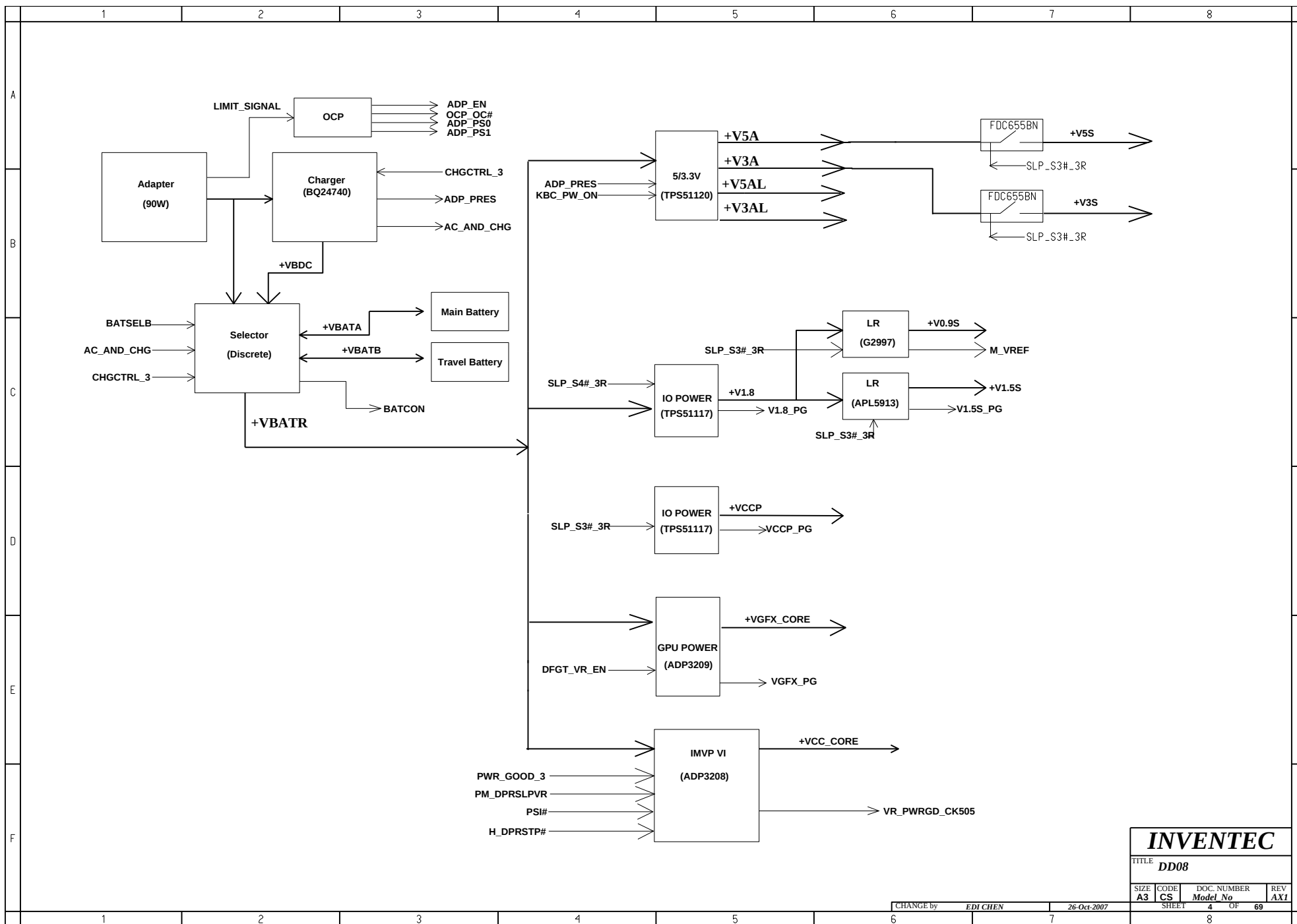
SI1_BUILD

HP 6530B 6730B 2007.11.02
6050A2219901-MB-A03

DATE	CHANGE NO.	REV

DRAWER	EE	DATE	POWER	DATE	INVENTEC		
DESIGN					TITLE		
CHECK					DD08		
RESPONSIBLE							
SIZE = 3					SIZE	CODE	DOC. NUMBER
FILE NAME : XXXX-XXXXXX-XX					A3	CS	Model No
P/N XXXXXXXXXXXX					REV		
					AX1		
					SHEET 1 OF 69		





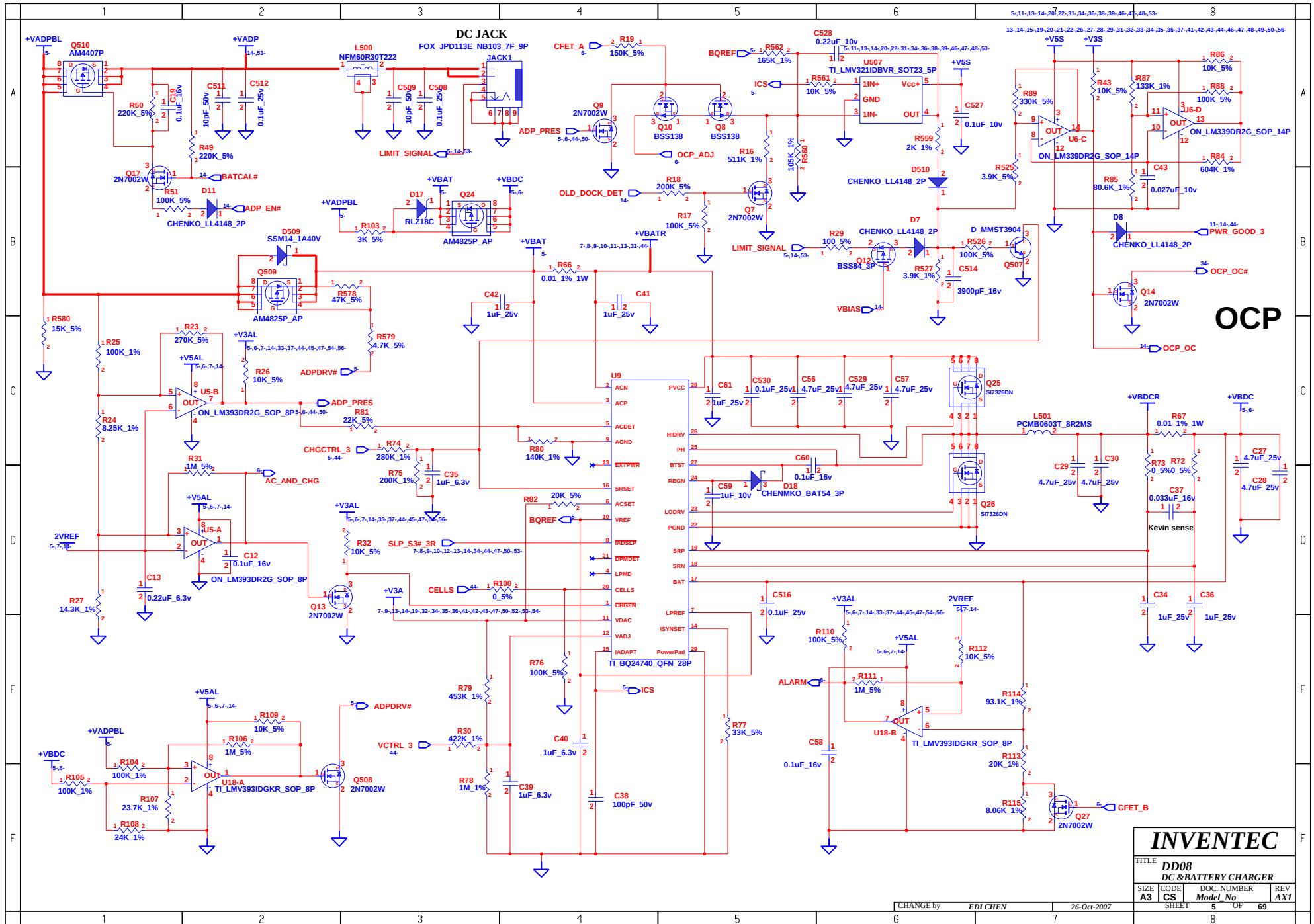
INVENTEC

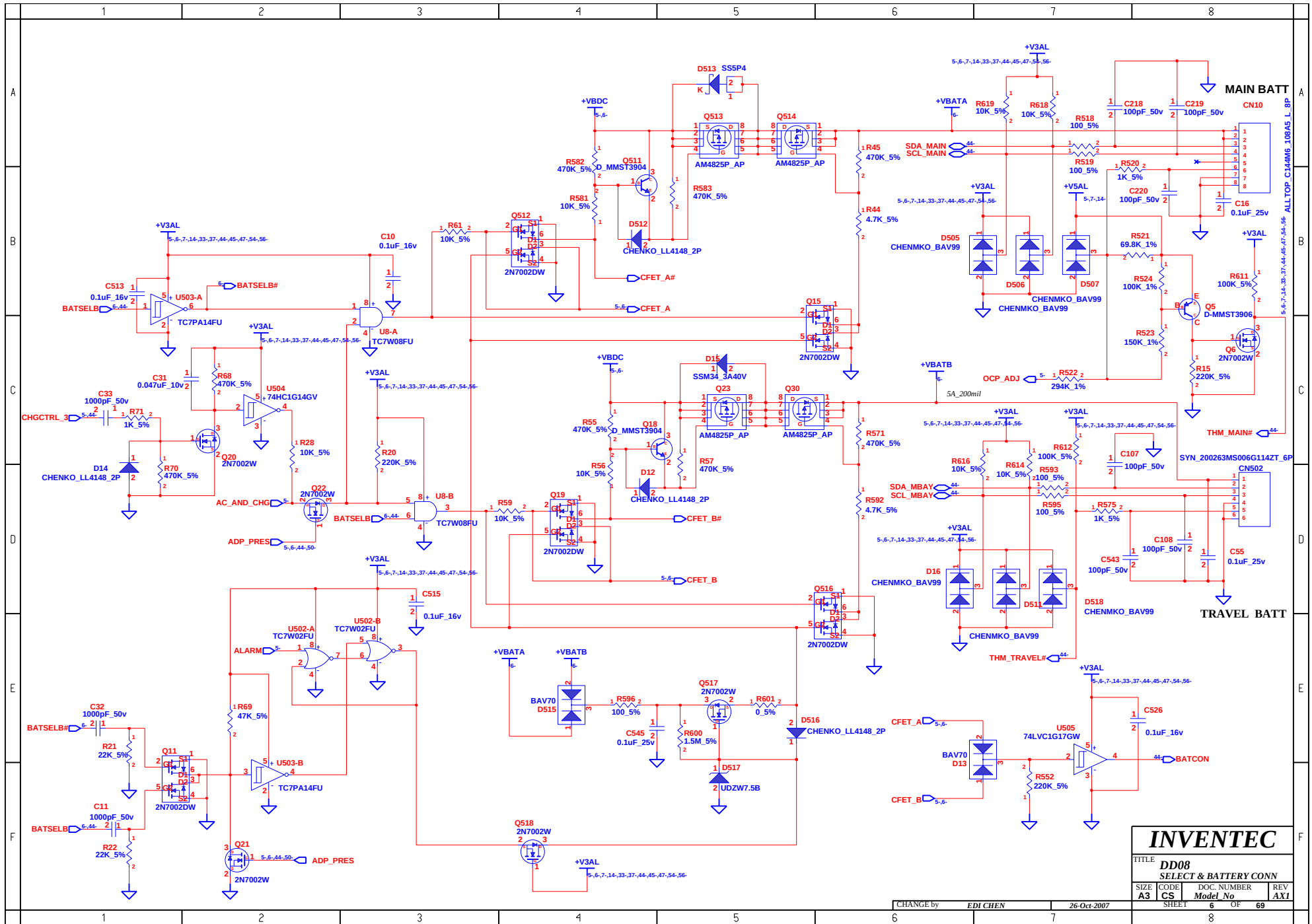
TITLE
DD08

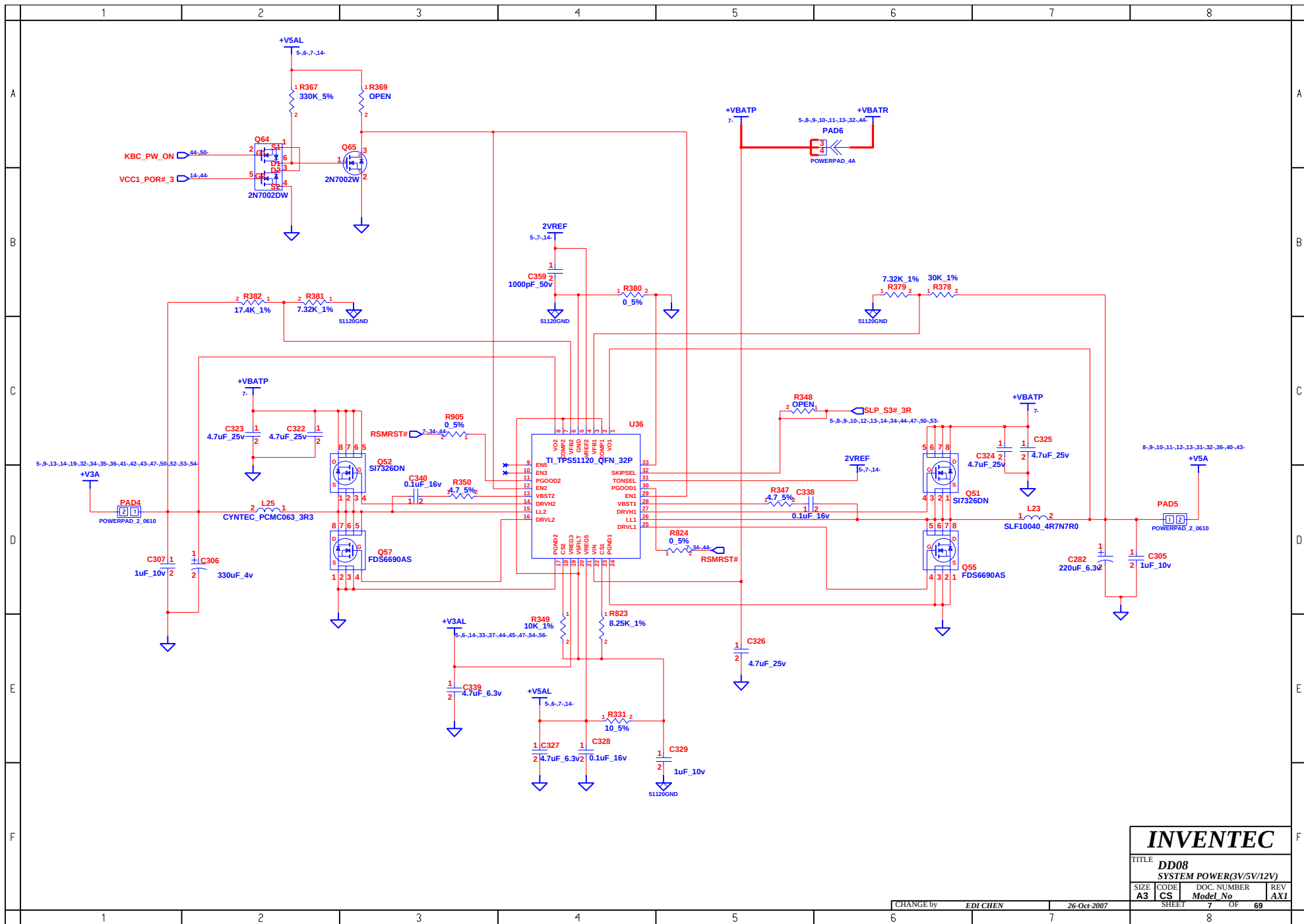
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1

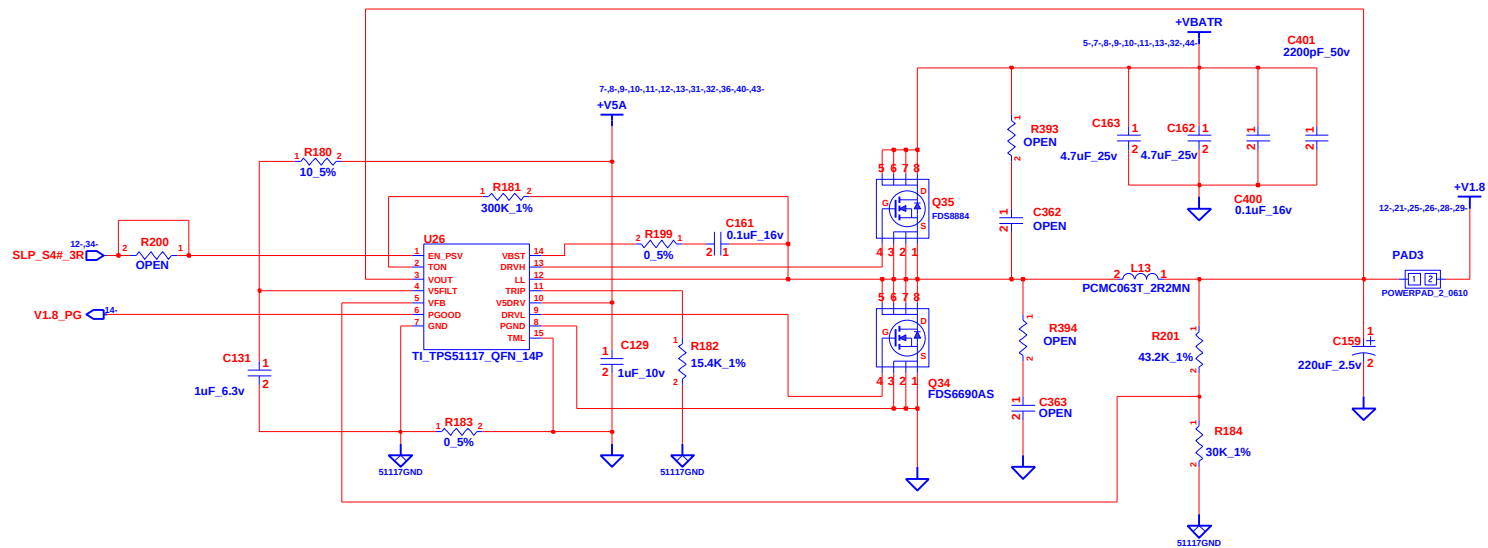
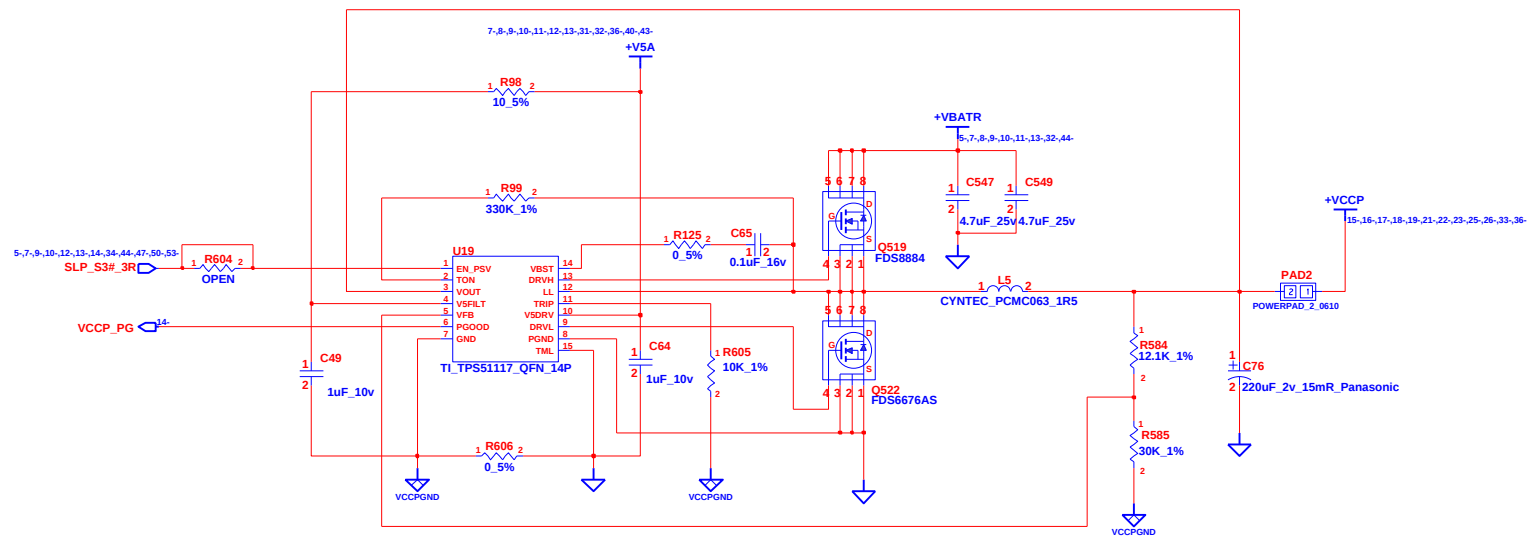
CHANGE by **EDI CHEN** 26-Oct-2007

SHEET **4** OF **69**







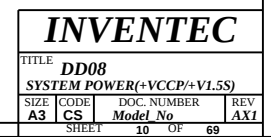


INVENTEC

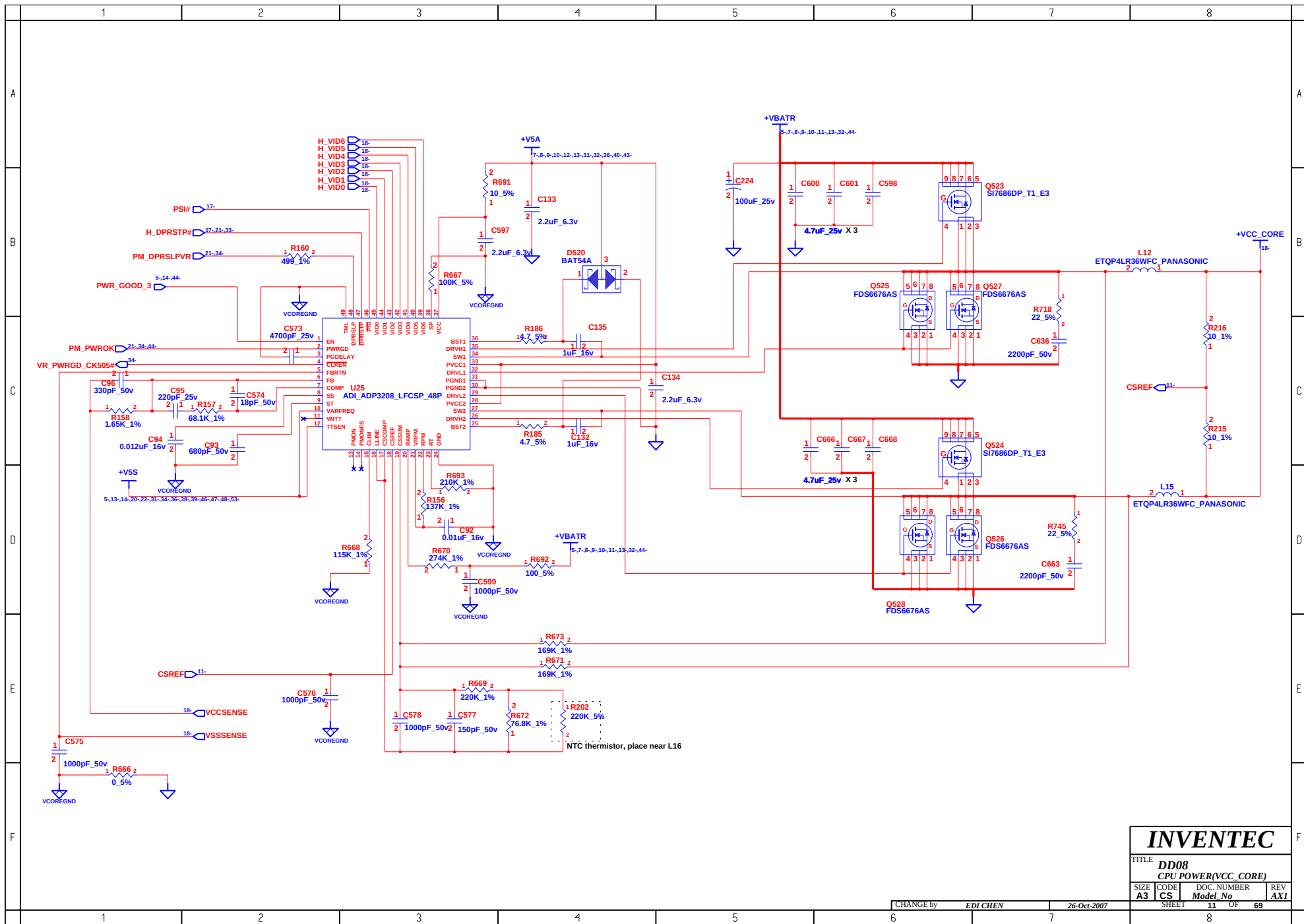
TITLE			
DD08			
SYSTEM POWER(+V1.8/+V1.25S)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1

CHANGE by EDI CHEN 26-Oct-2007

SHEET 8 OF 69



CHANGE by	<i>EDI CHEN</i>	26-Oct-2007
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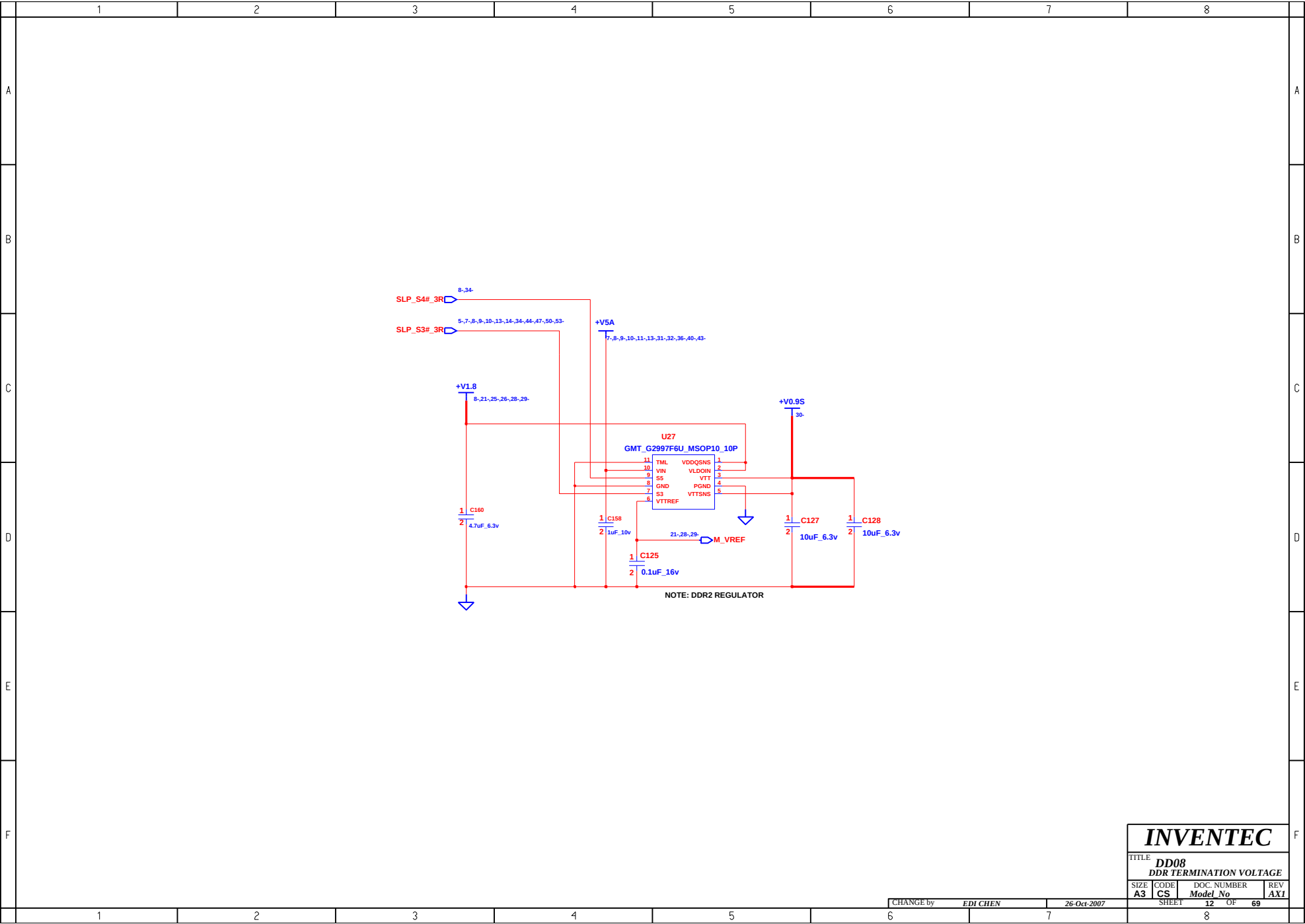


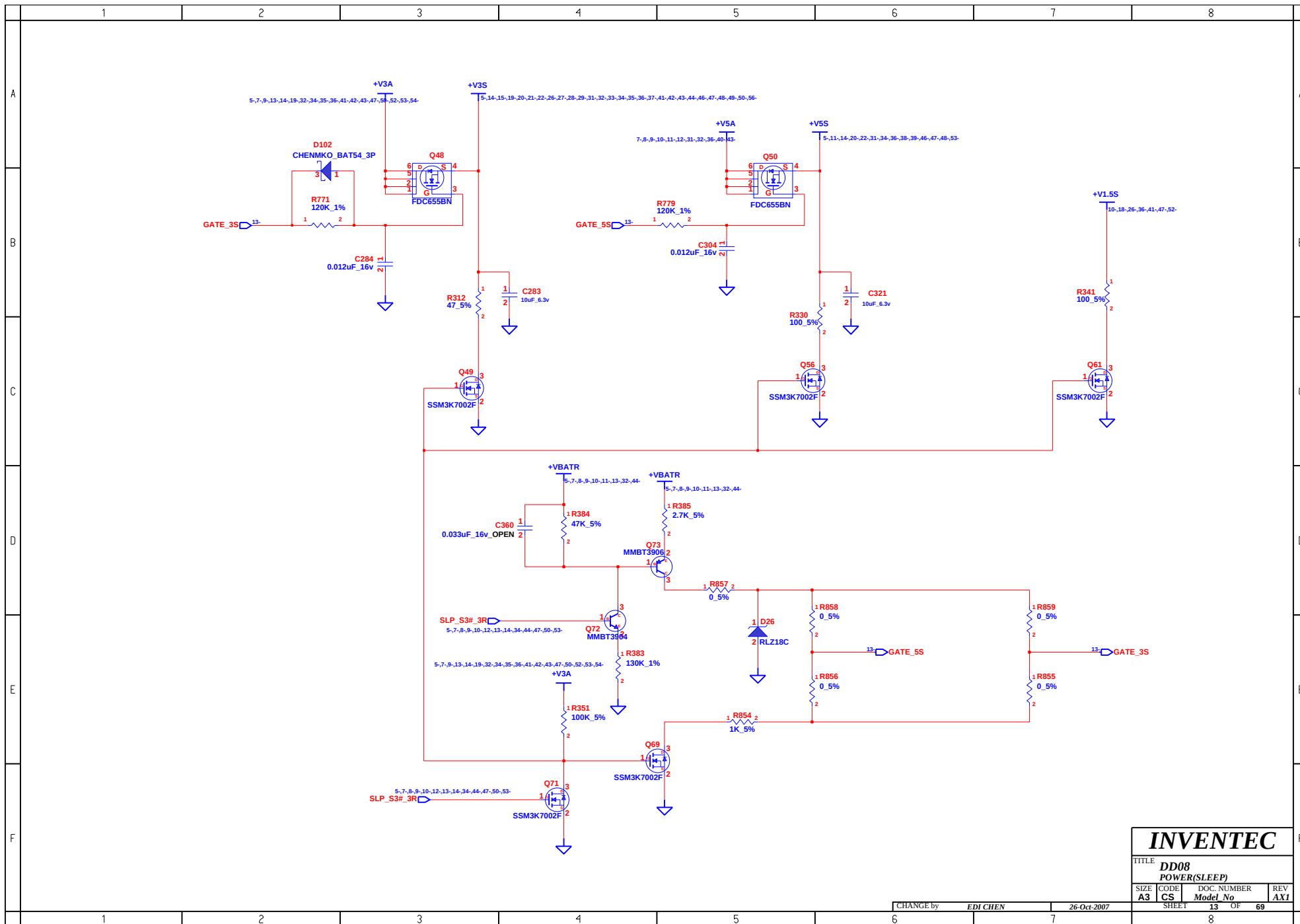
INVENTEC

TITLE			
DD08			
CPU POWER(VCC_CORE)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1

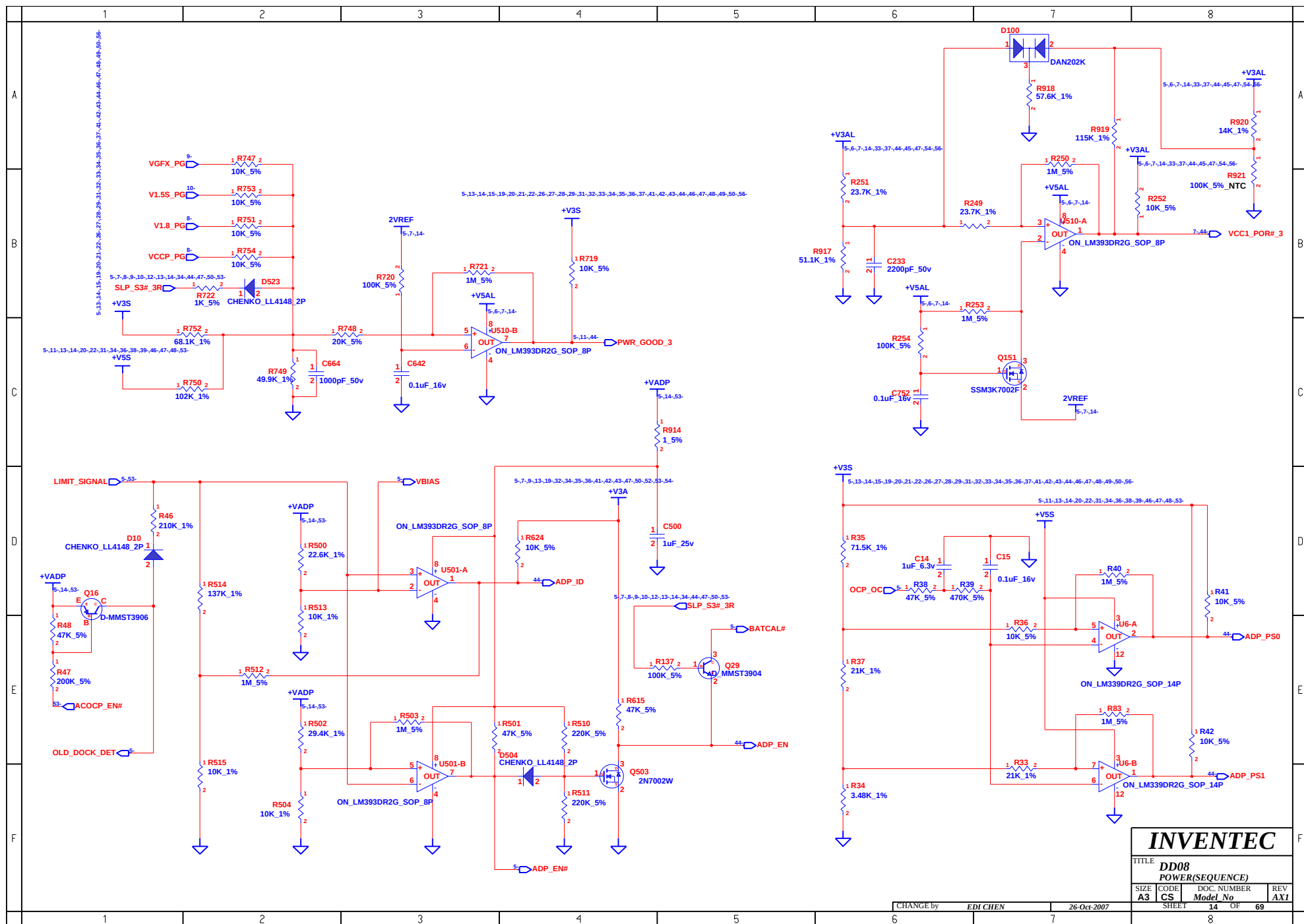
CHANGE by EDI CHEN 26-Oct-2007

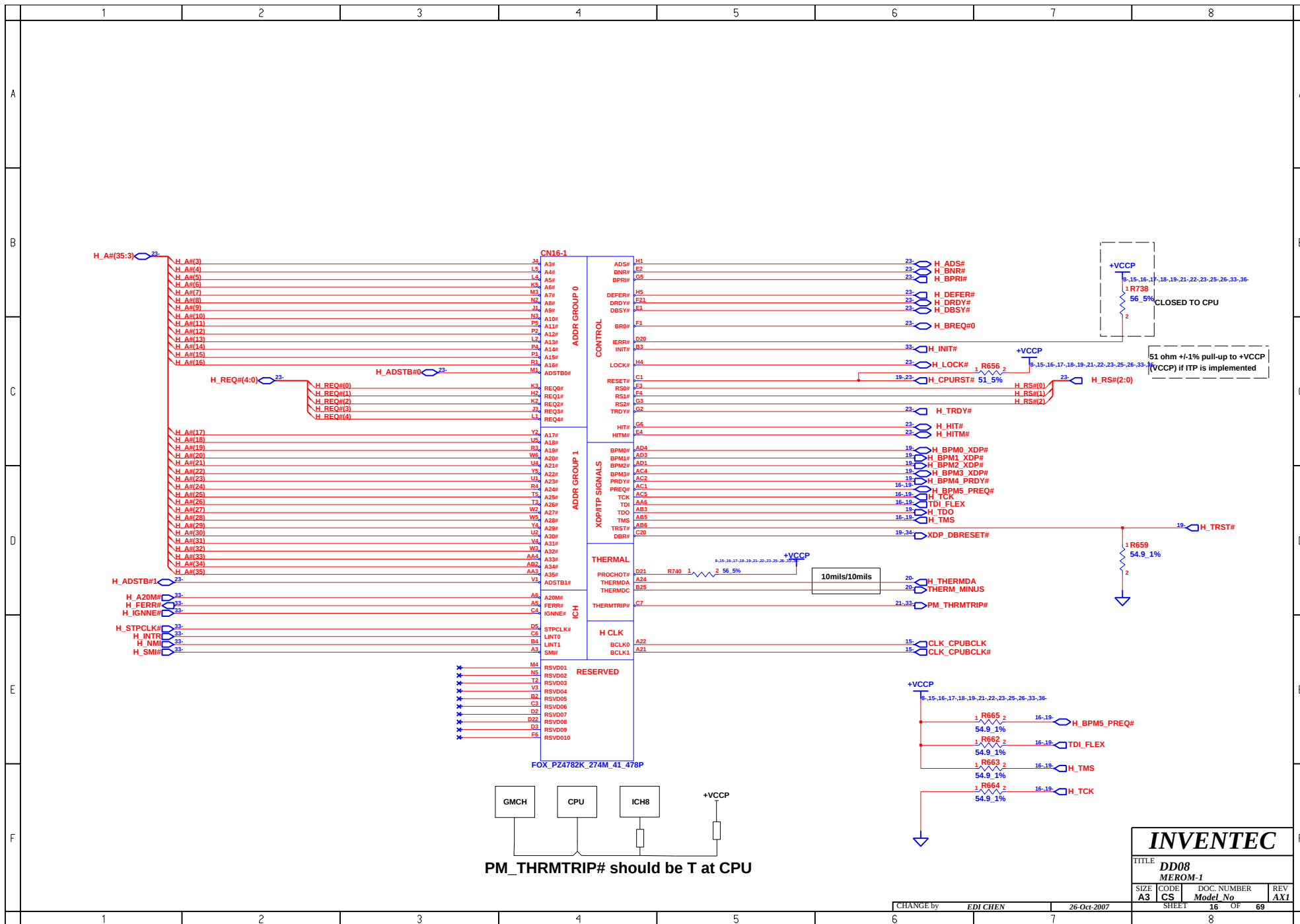
SHEET 11 OF 69





INVENTEC			
TITLE DD08 POWER(SLEEP)			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV AX1
SHEET 13		OF 69	



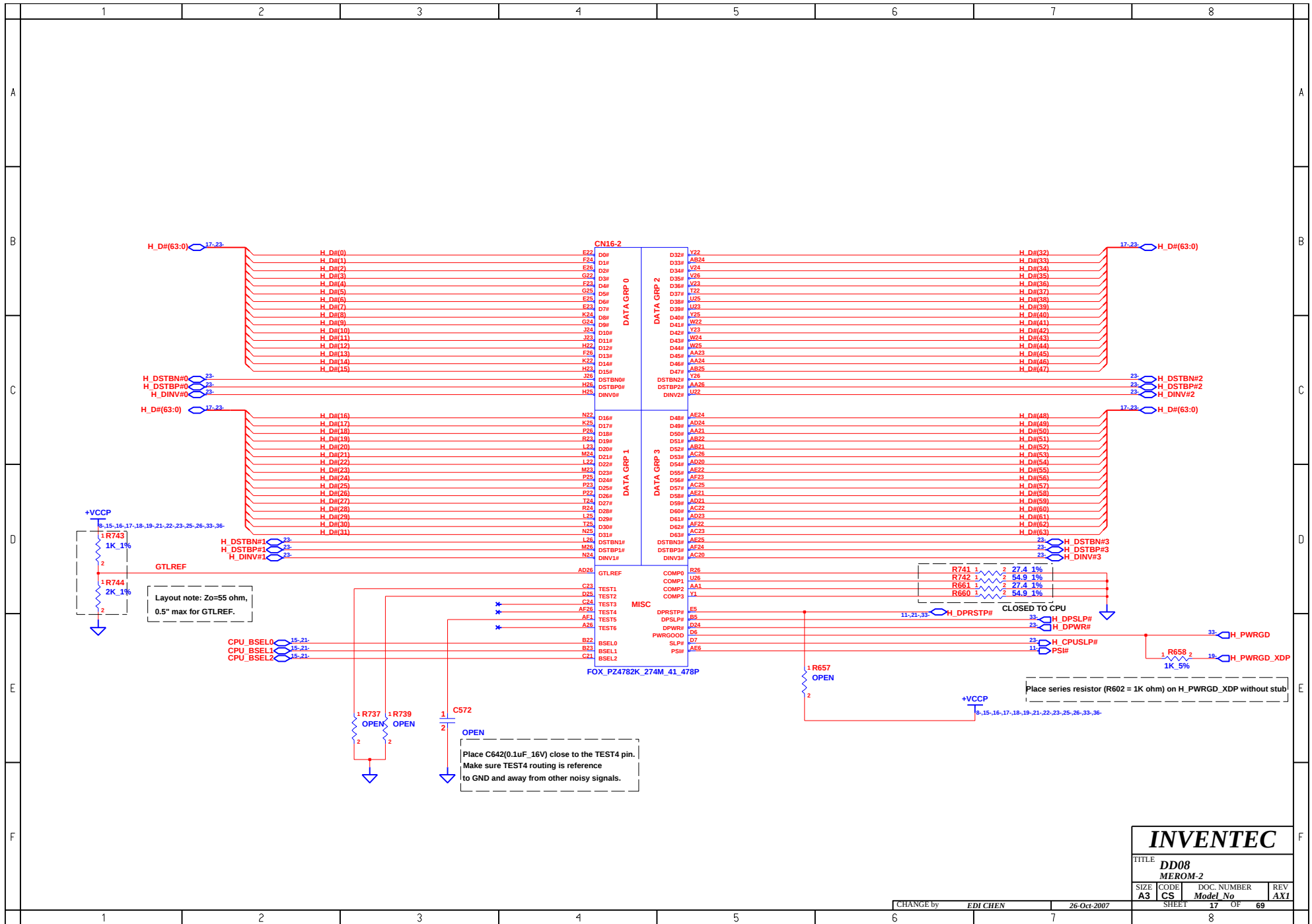


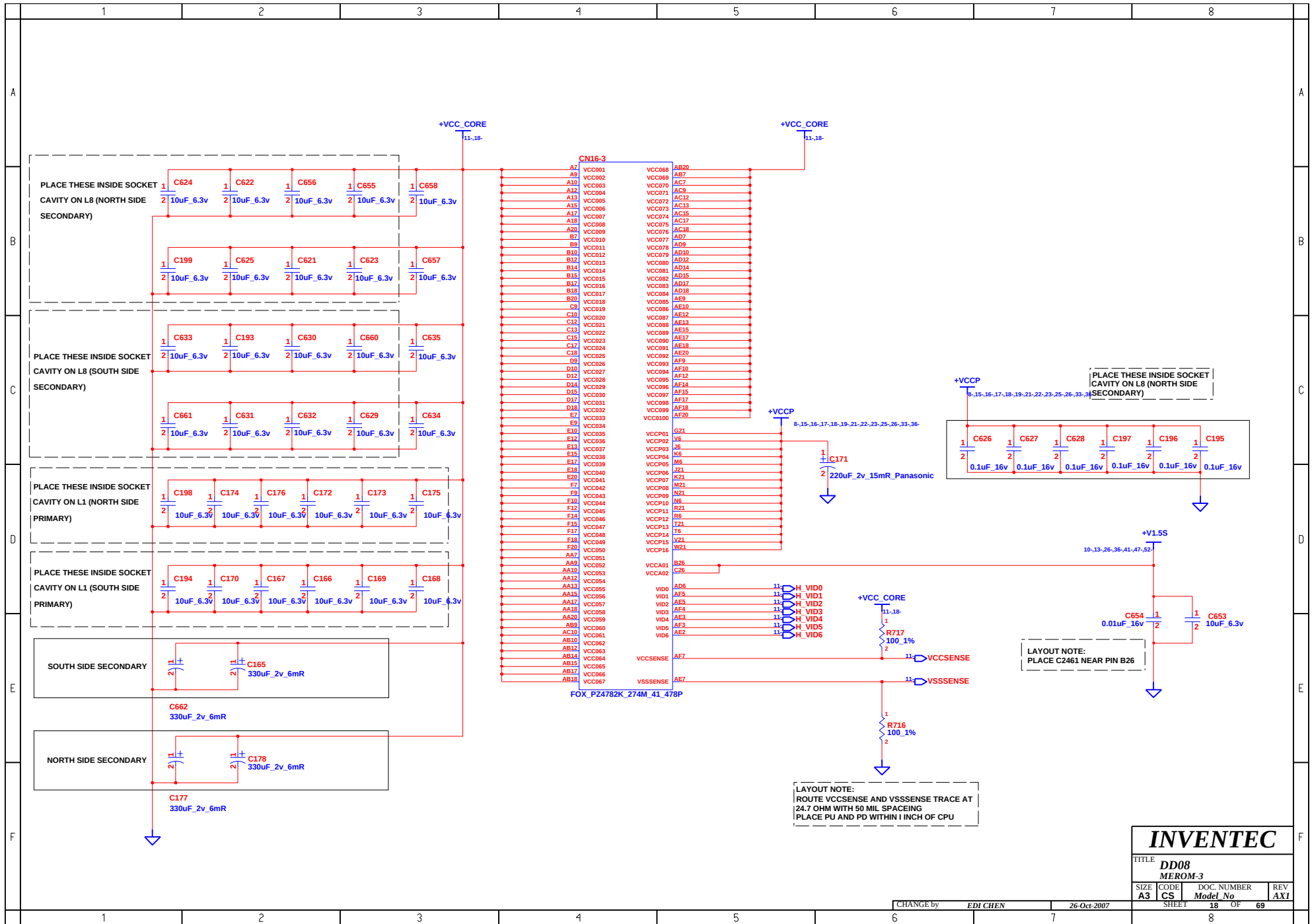
INVENTEC

TITLE			
DD08			
MEROM-1			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

CHANGE by EDI CHEN 26-Oct-2007

SHEET 16 OF 69

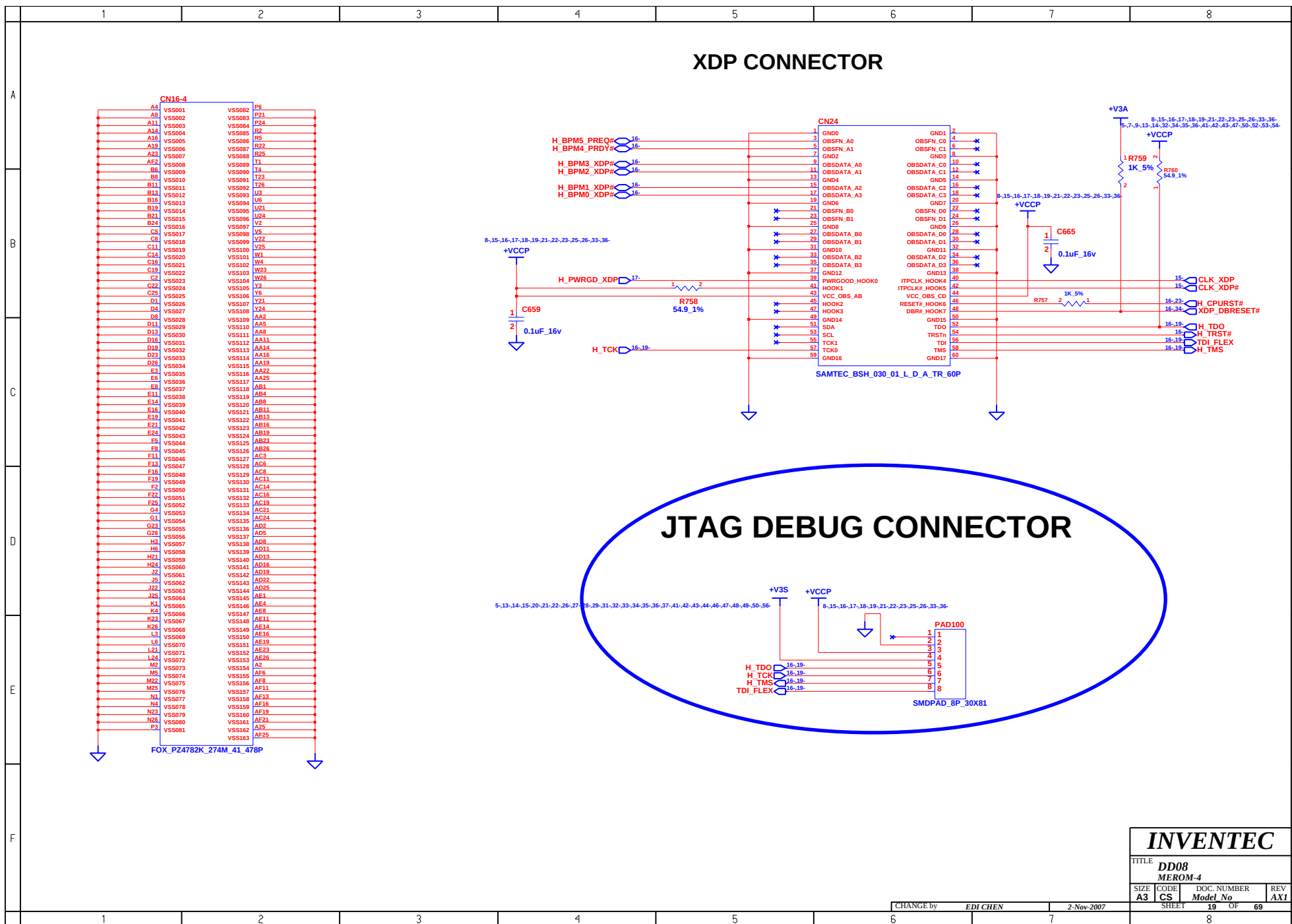


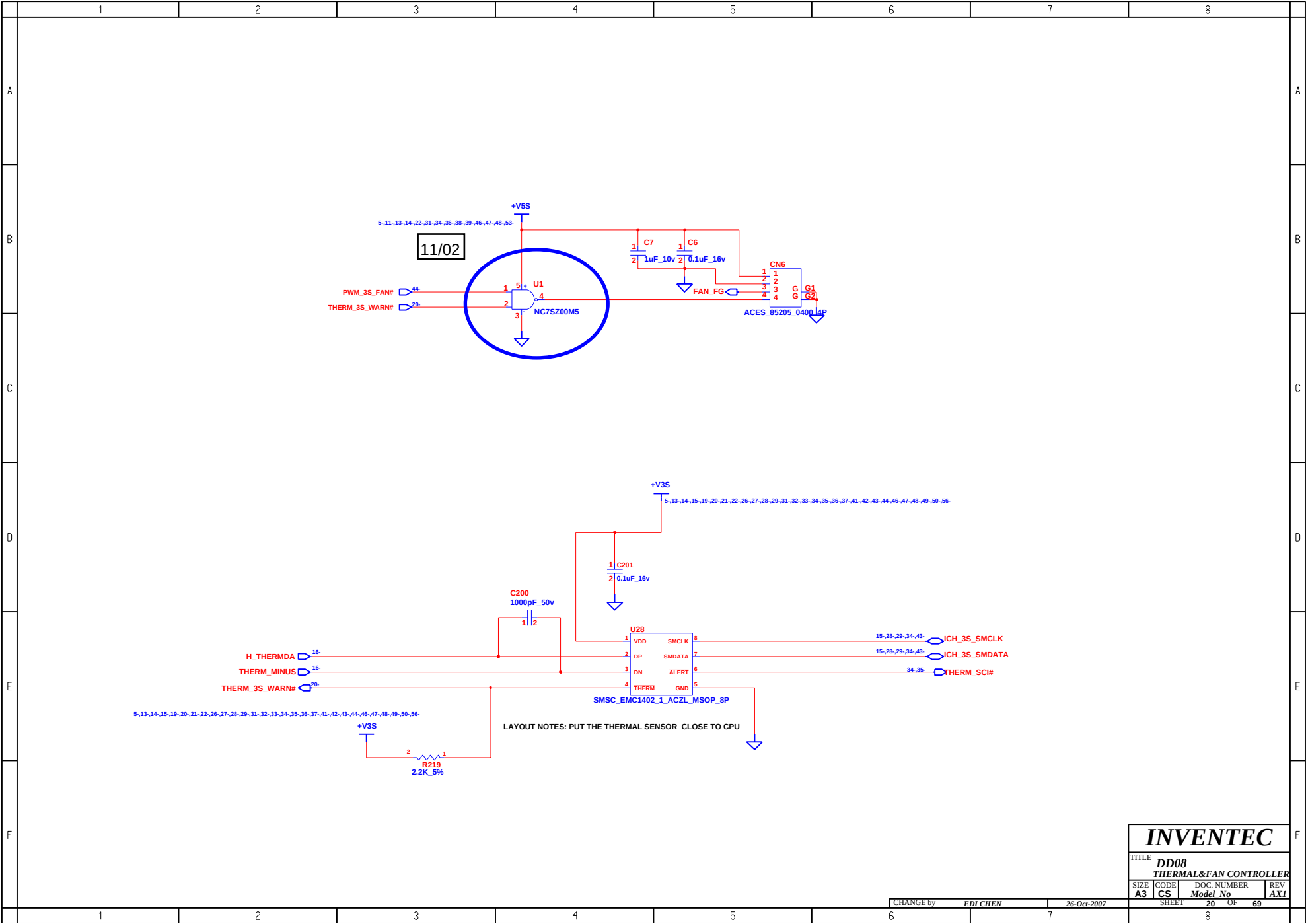


INVENTEC

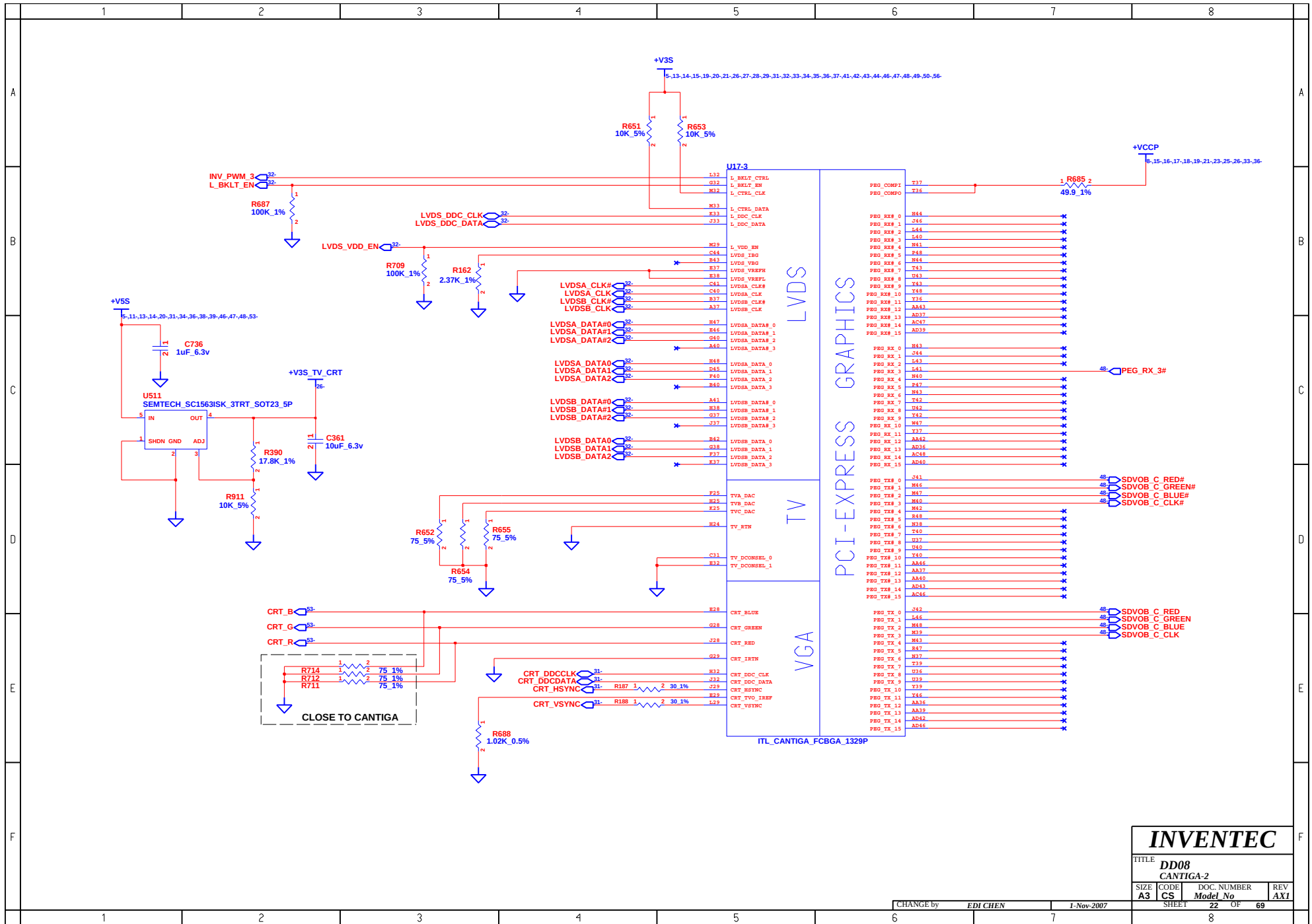
TITLE			
DD08			
MEROM-3			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1
SHEET		18	OF 69

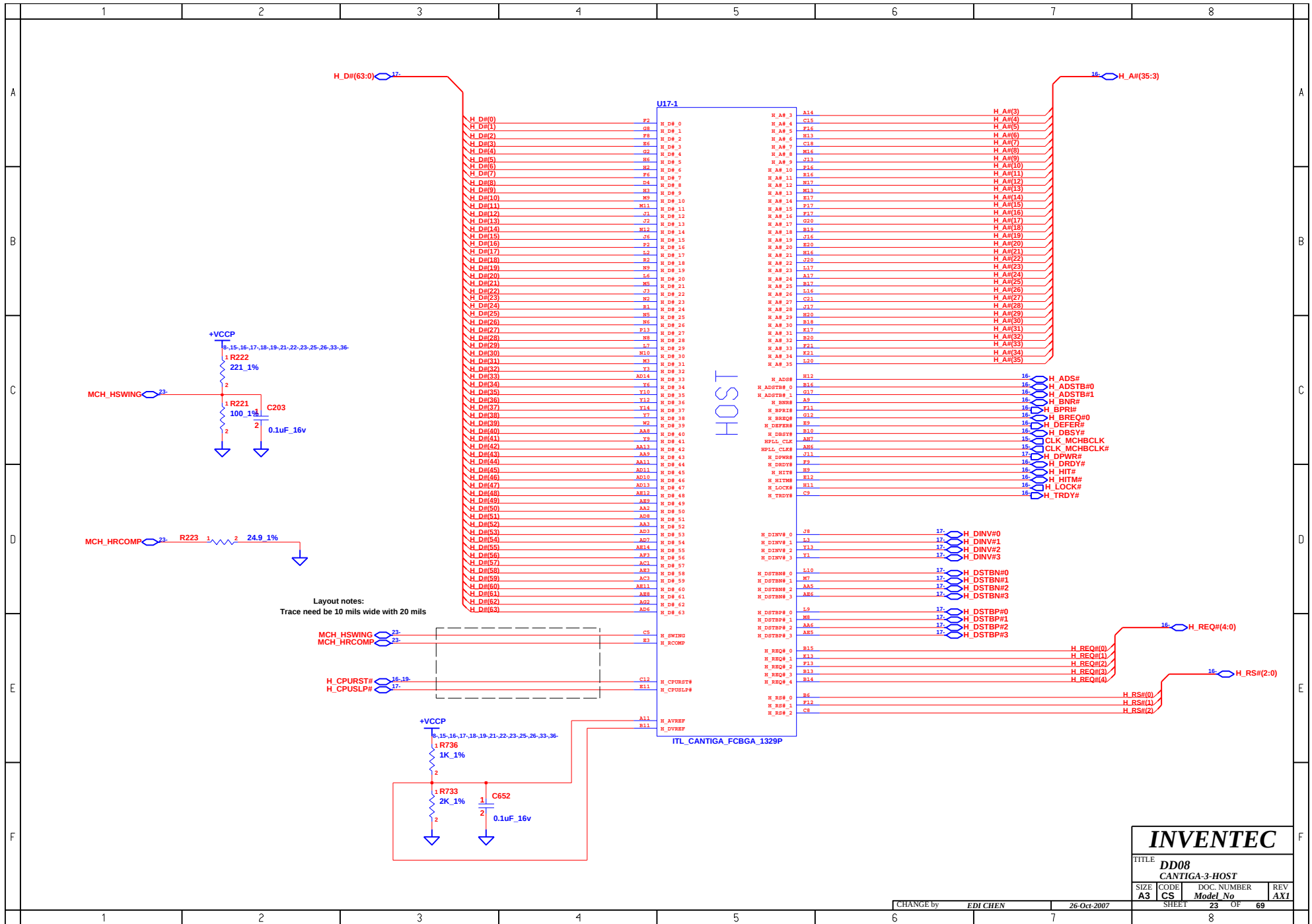
CHANGE by EDI CHEN 26-Oct-2007





INVENTEC			
TITLE			
DD08			
THERMAL&FAN CONTROLLER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1
SHEET		20	OF 69



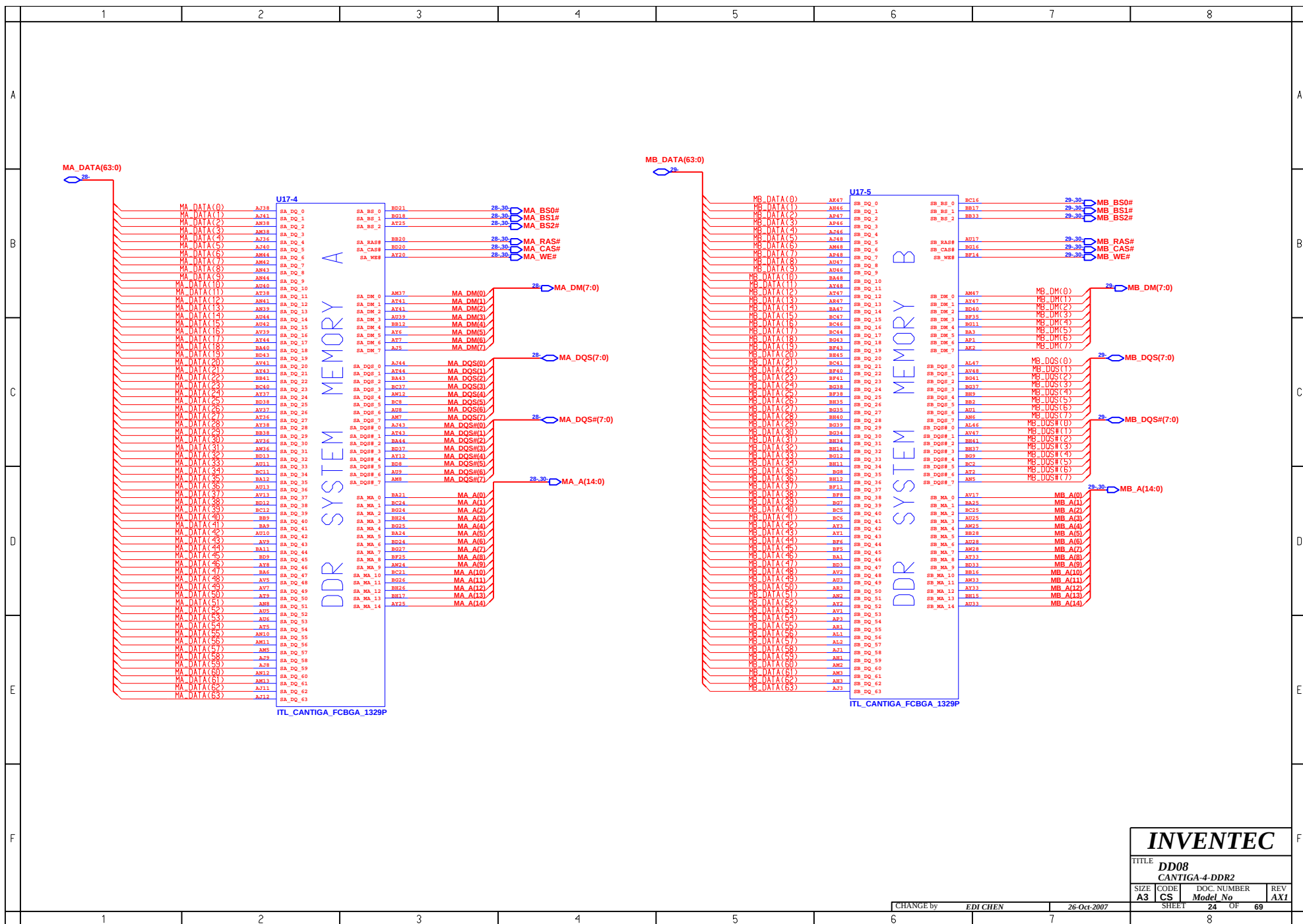


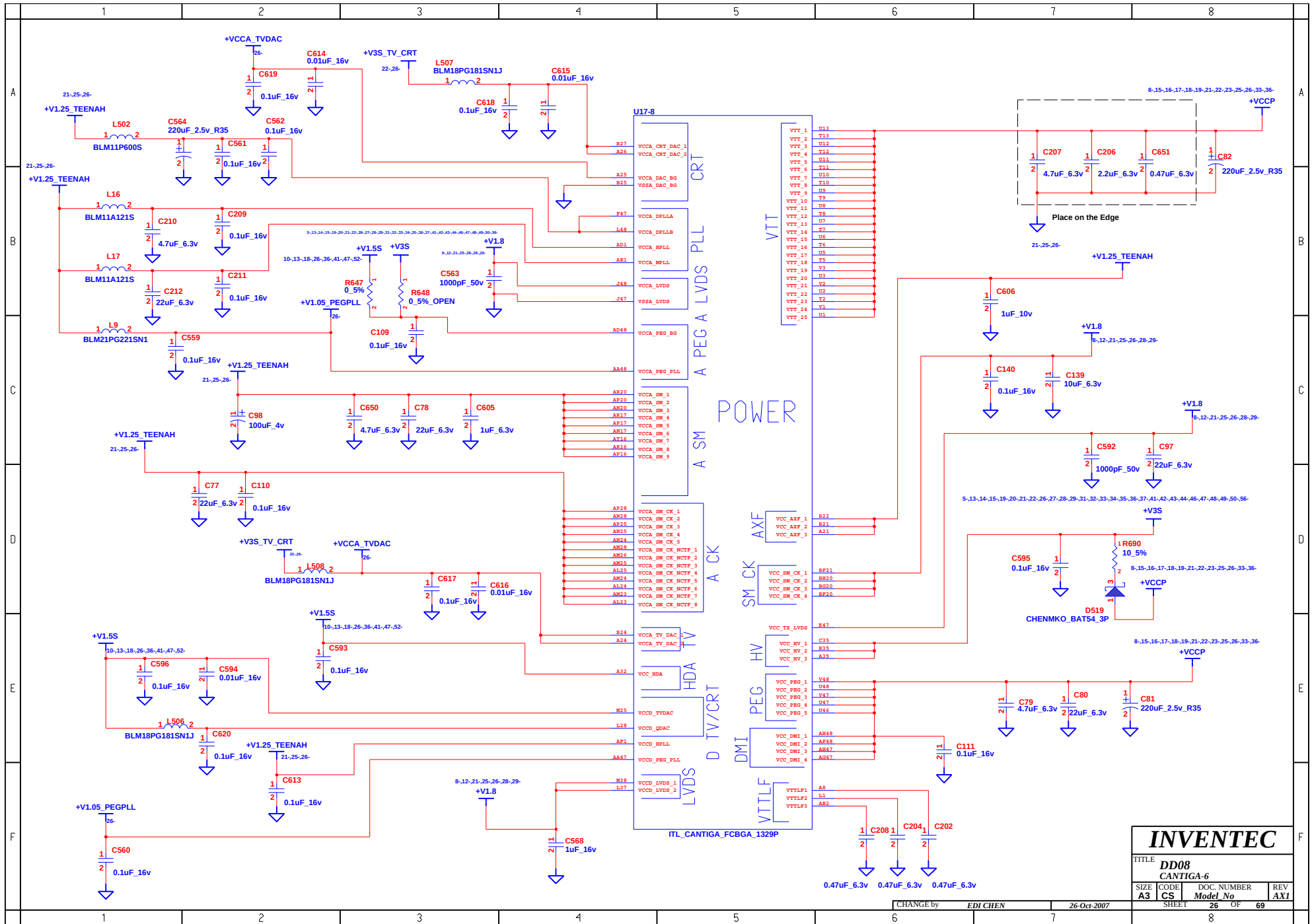
INVENTEC

TITLE DD08 CANTIGA-3-HOST			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AX1

CHANGE by EDI CHEN 26-Oct-2007

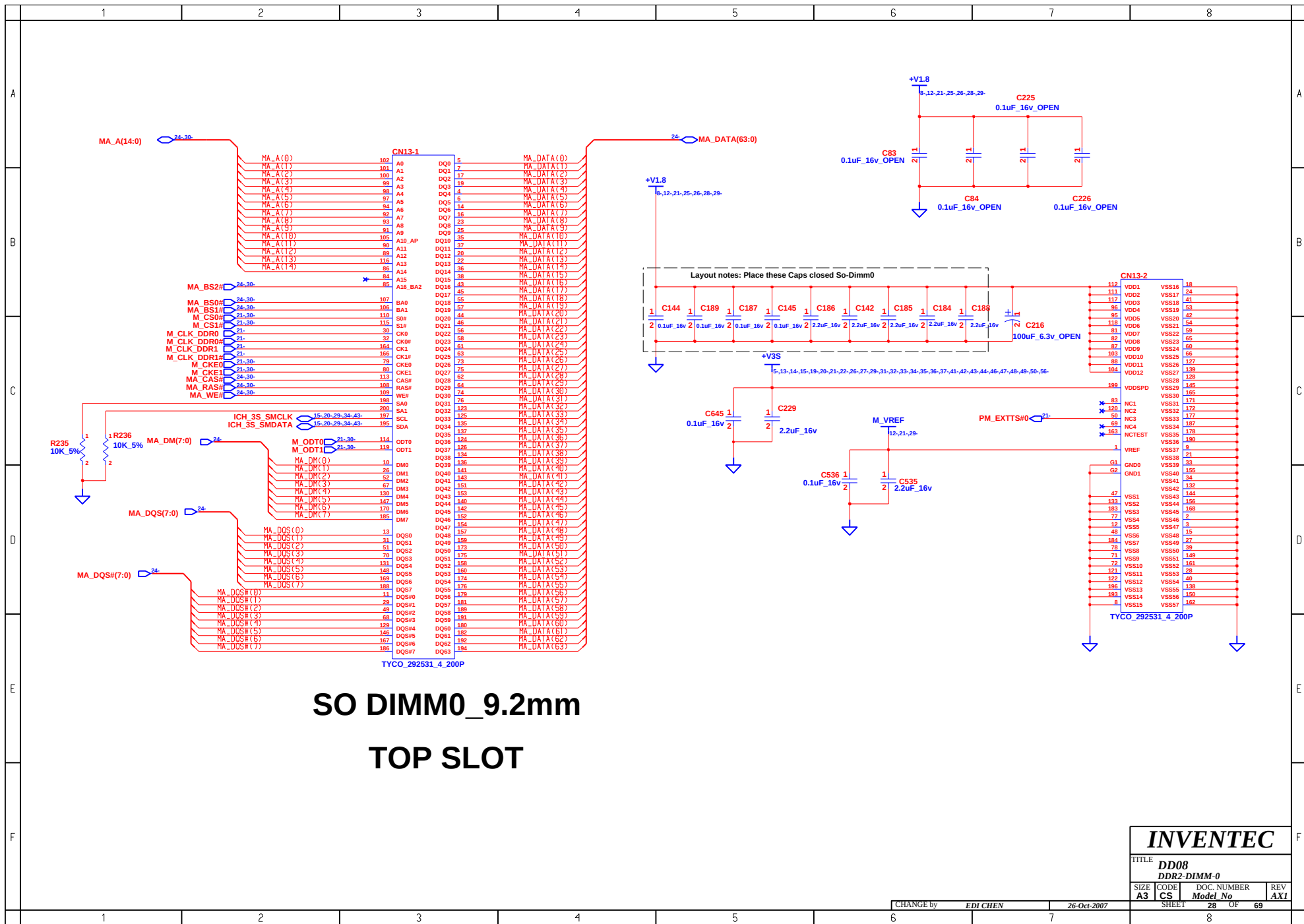
SHEET 23 OF 69





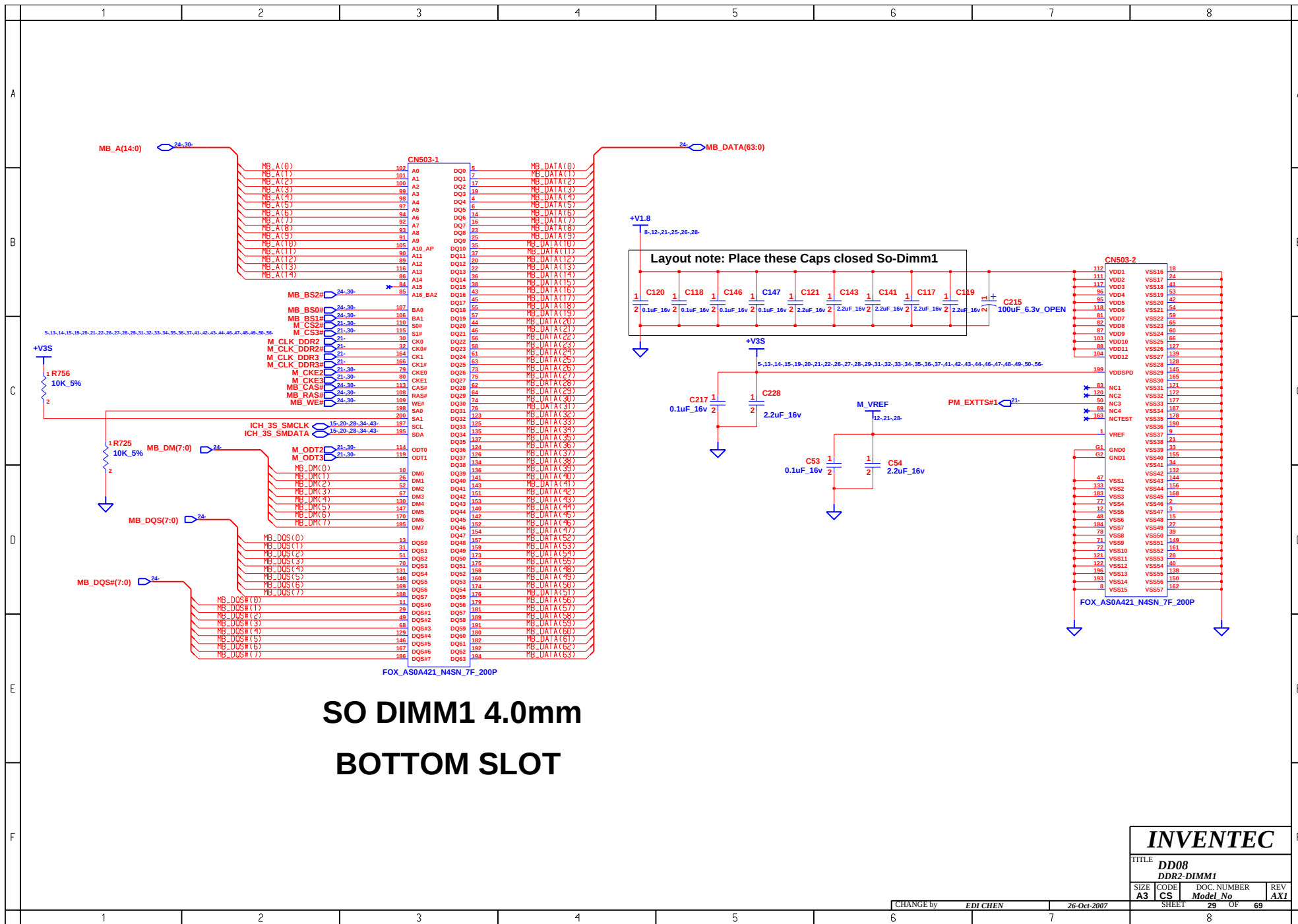
INVENTEC

TITLE DD08 CANTIGA-6			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AX1



SO DIMM0_9.2mm TOP SLOT

INVENTEC				
TITLE				
DD08				
DDR2-DIMM-0				
SIZE	CODE	DOC. NUMBER	REV	
A3	CS	Model No	AX1	
CHANGE by		EDI CHEN	26-Oct-2007	
SHEET		28	OF	69



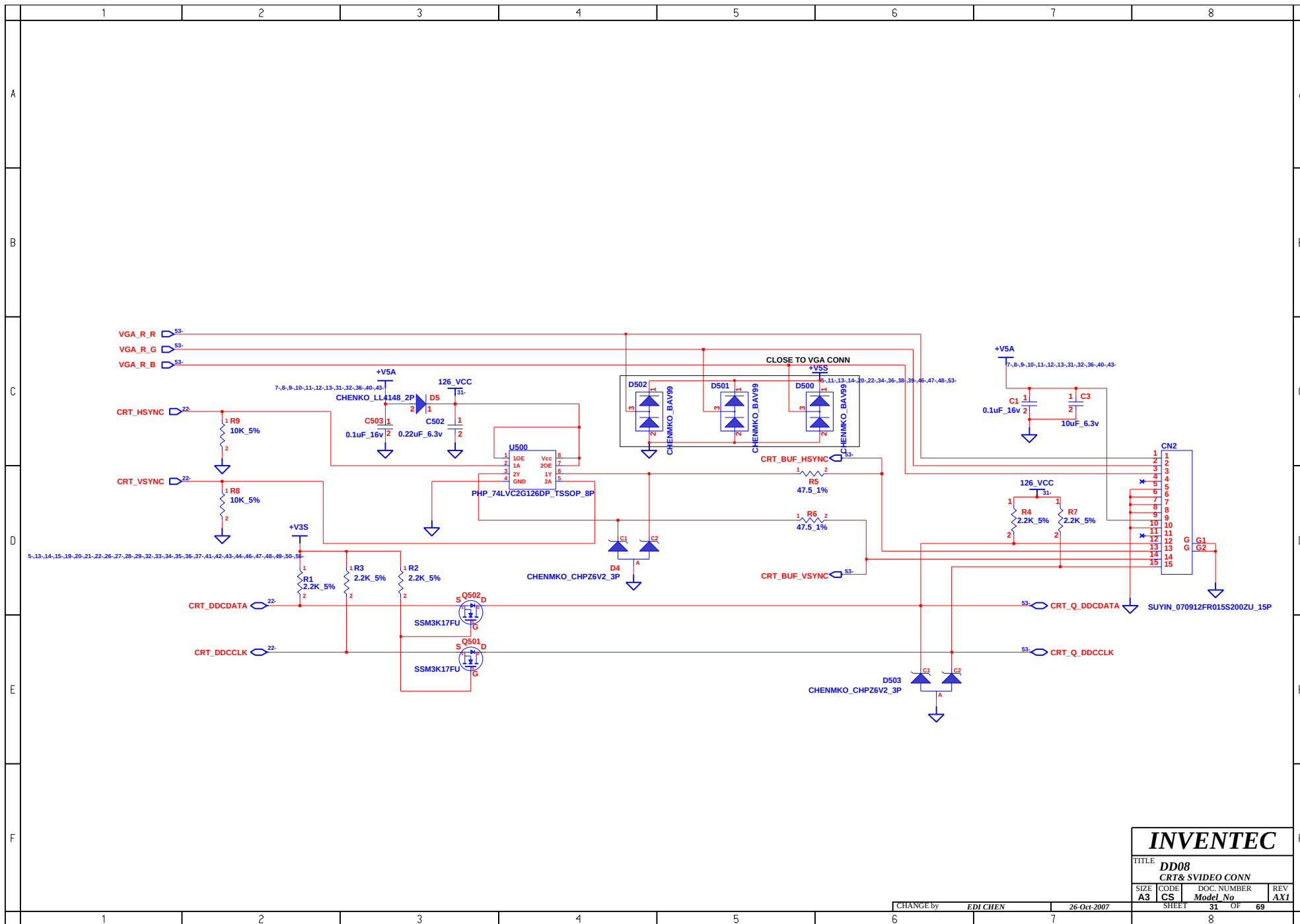
INVENTEC

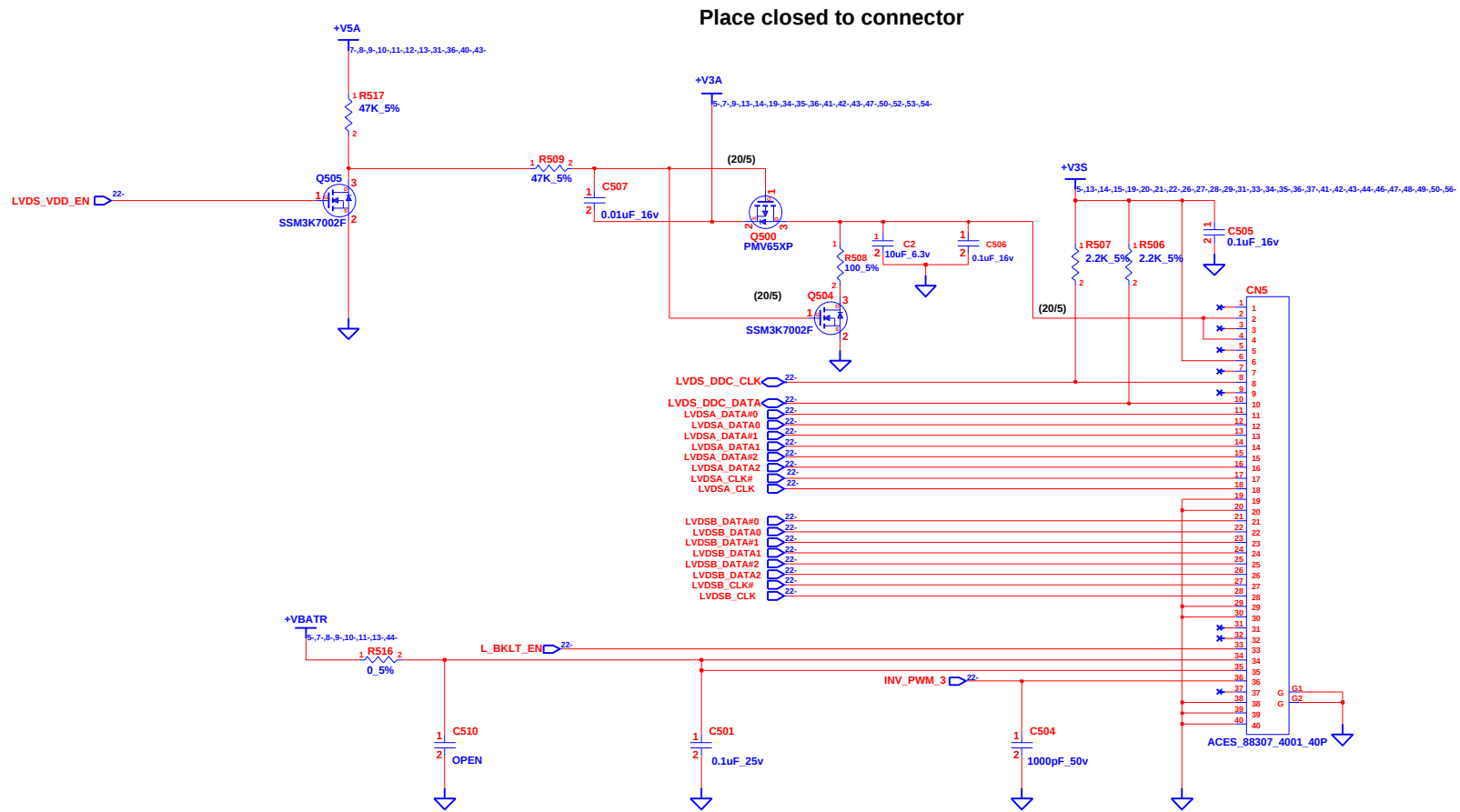
TITLE			
DD08 DDR2-DIMM1			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1

CHANGE by EDI CHEN 26-Oct-2007

SHEET 29 OF 69





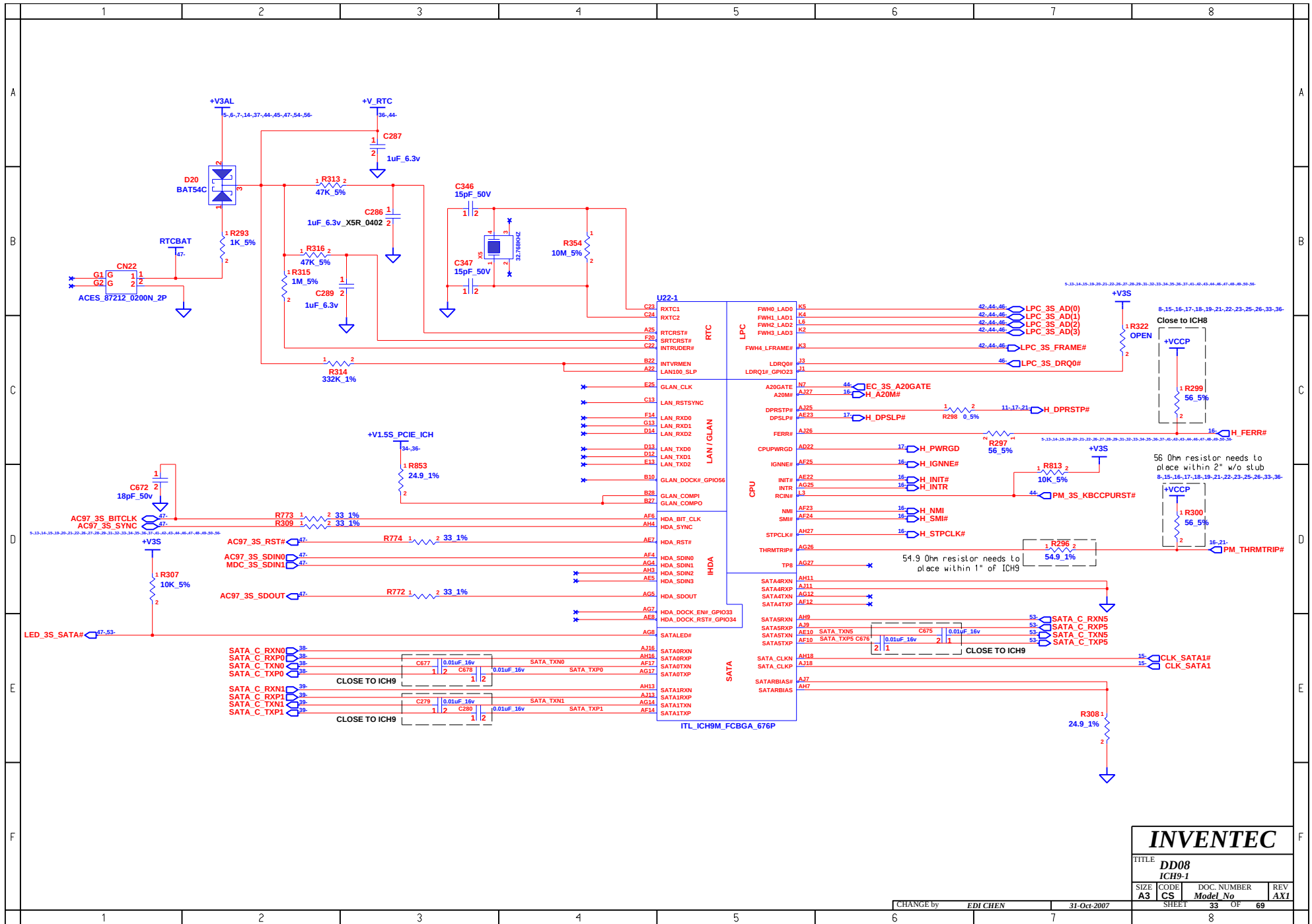


INVENTEC

TITLE DD08 LCD CONN			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AX1
SHEET 32 OF 69			

CHANGE by **EDI CHEN** 26-Oct-2007

8



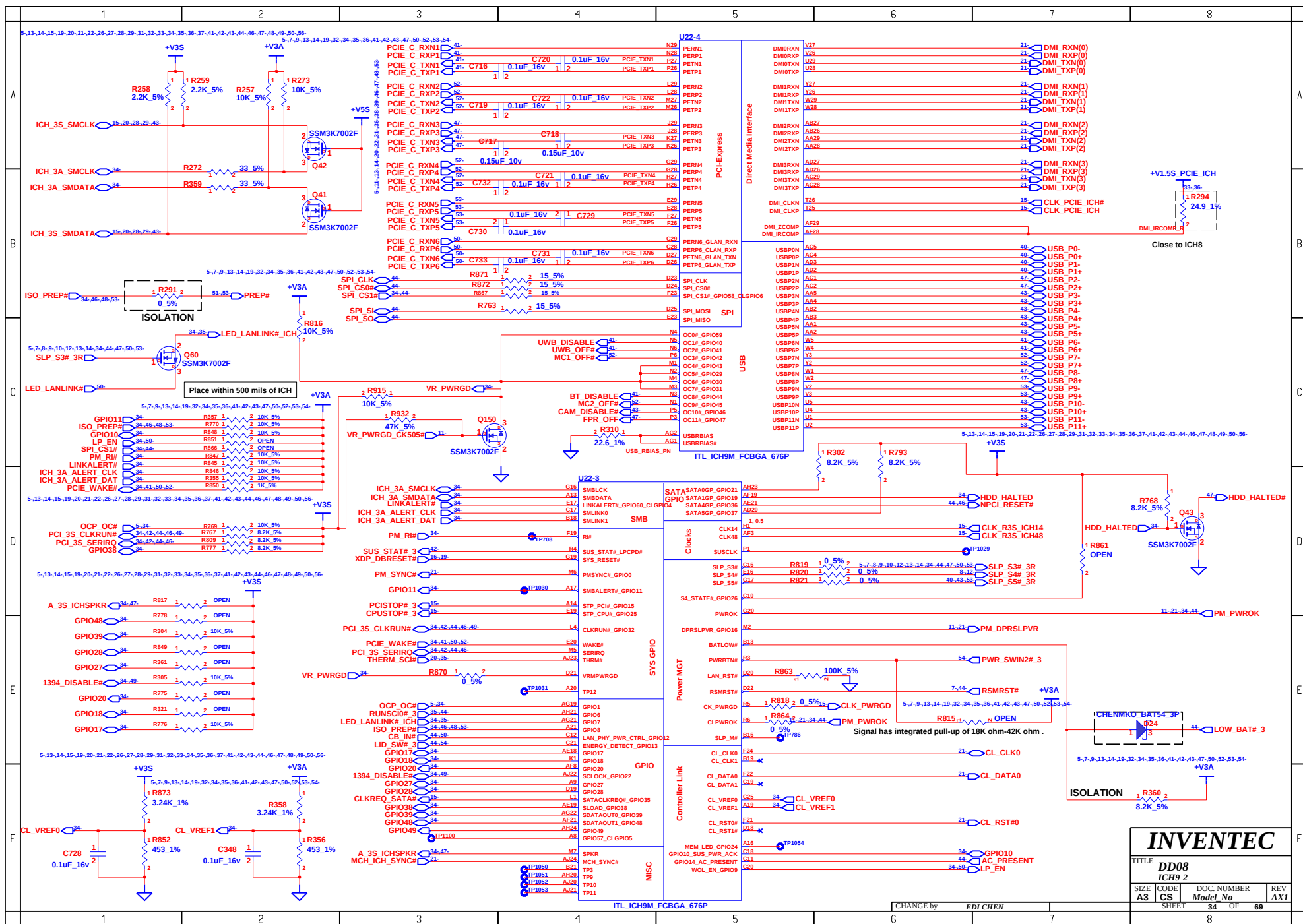
INVENTEC

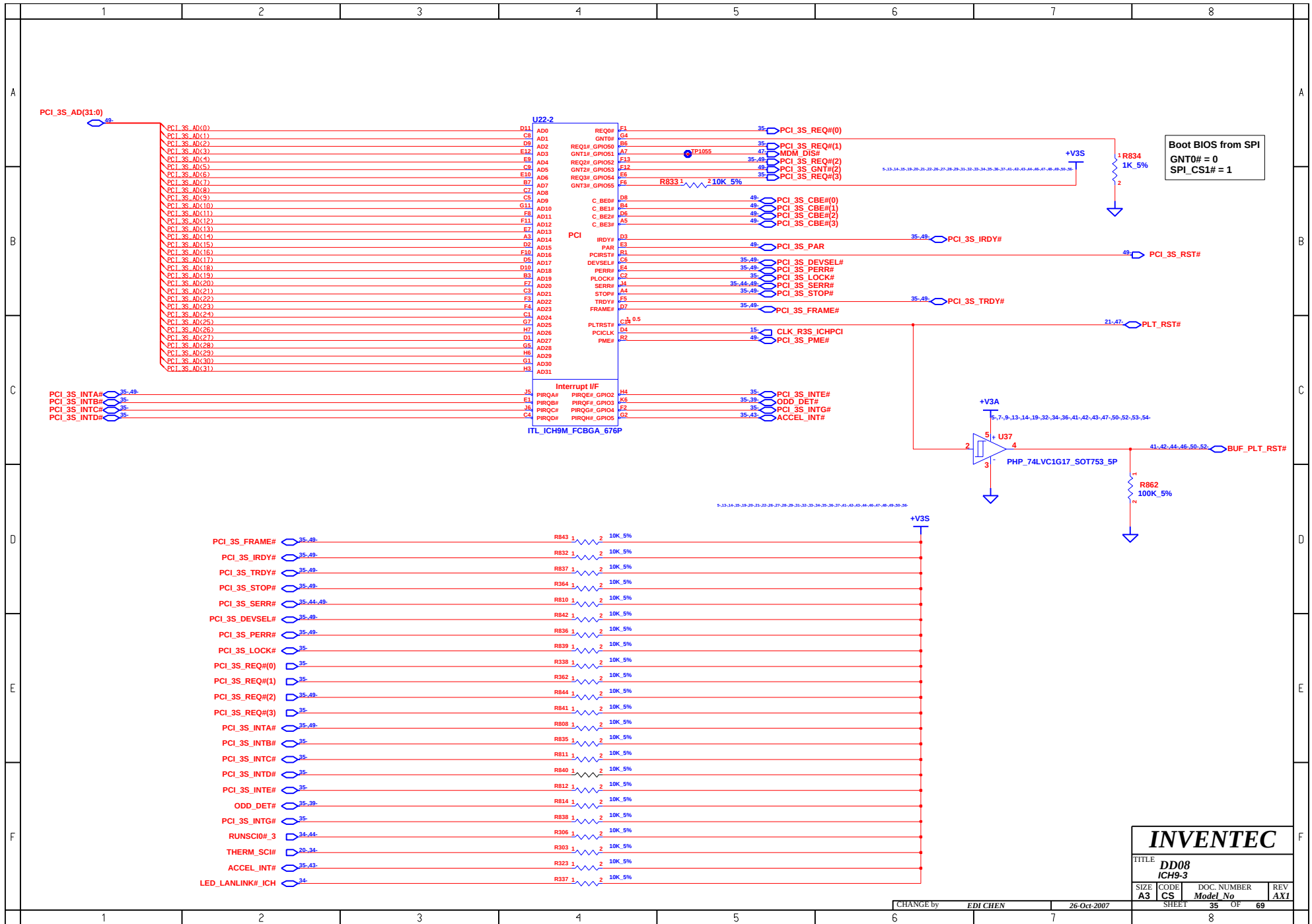
TITLE
**DD08
ICH9-1**

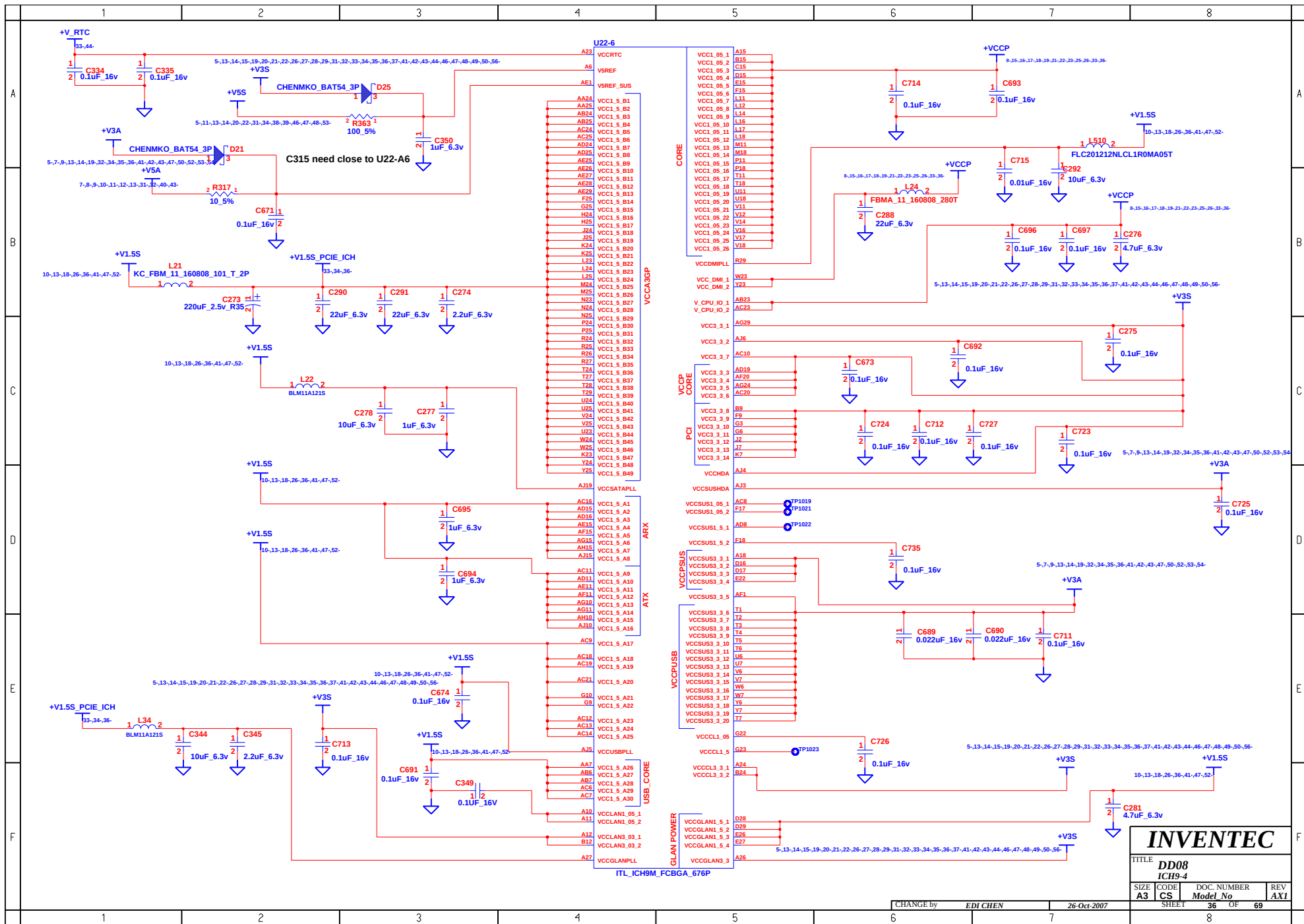
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1

CHANGE by **EDI CHEN** 31-Oct-2007

SHEET 33 OF 69



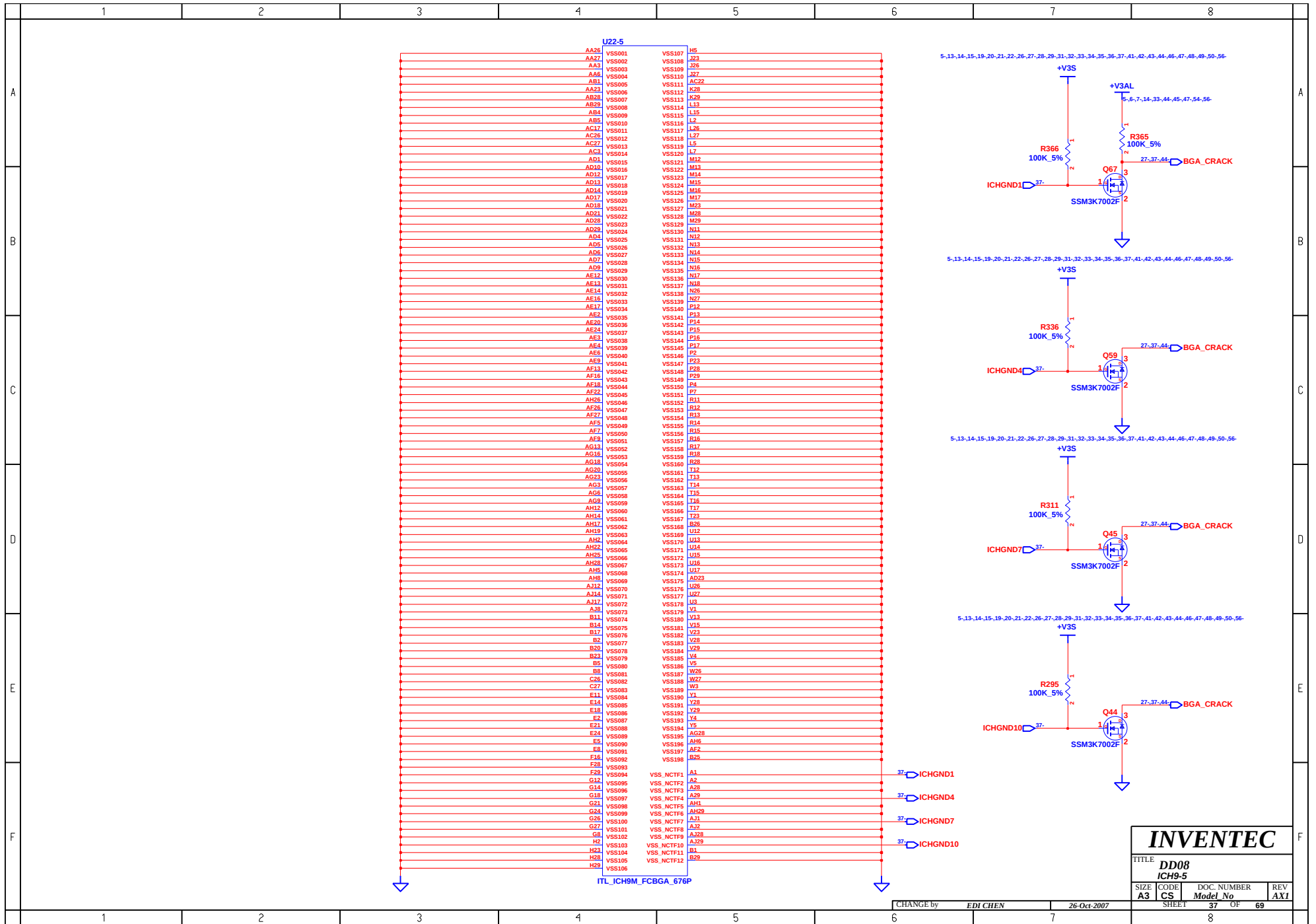


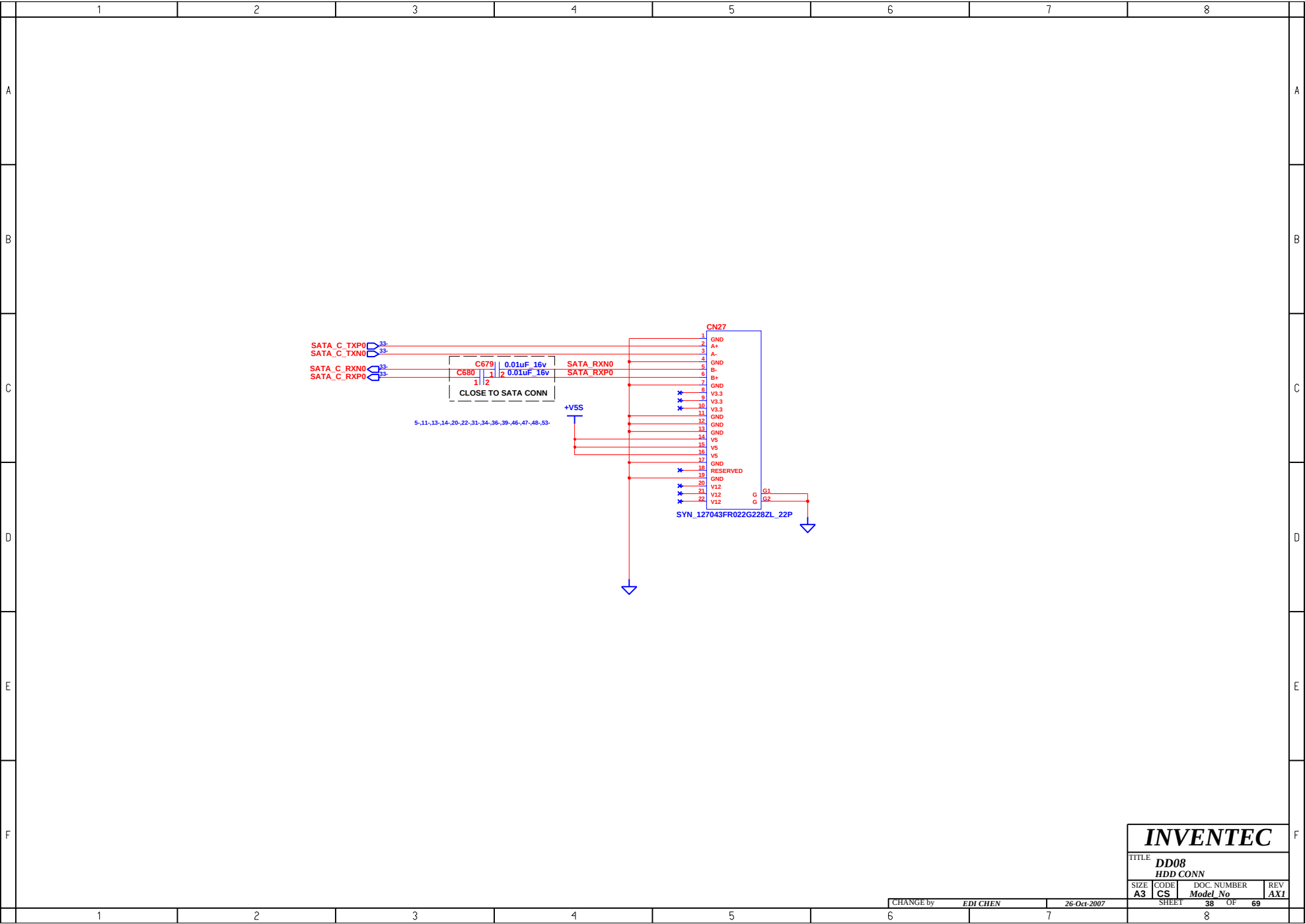


INVENTEC

TITLE			
DD08			
ICH9-4			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1
SHEET		36	OF 69

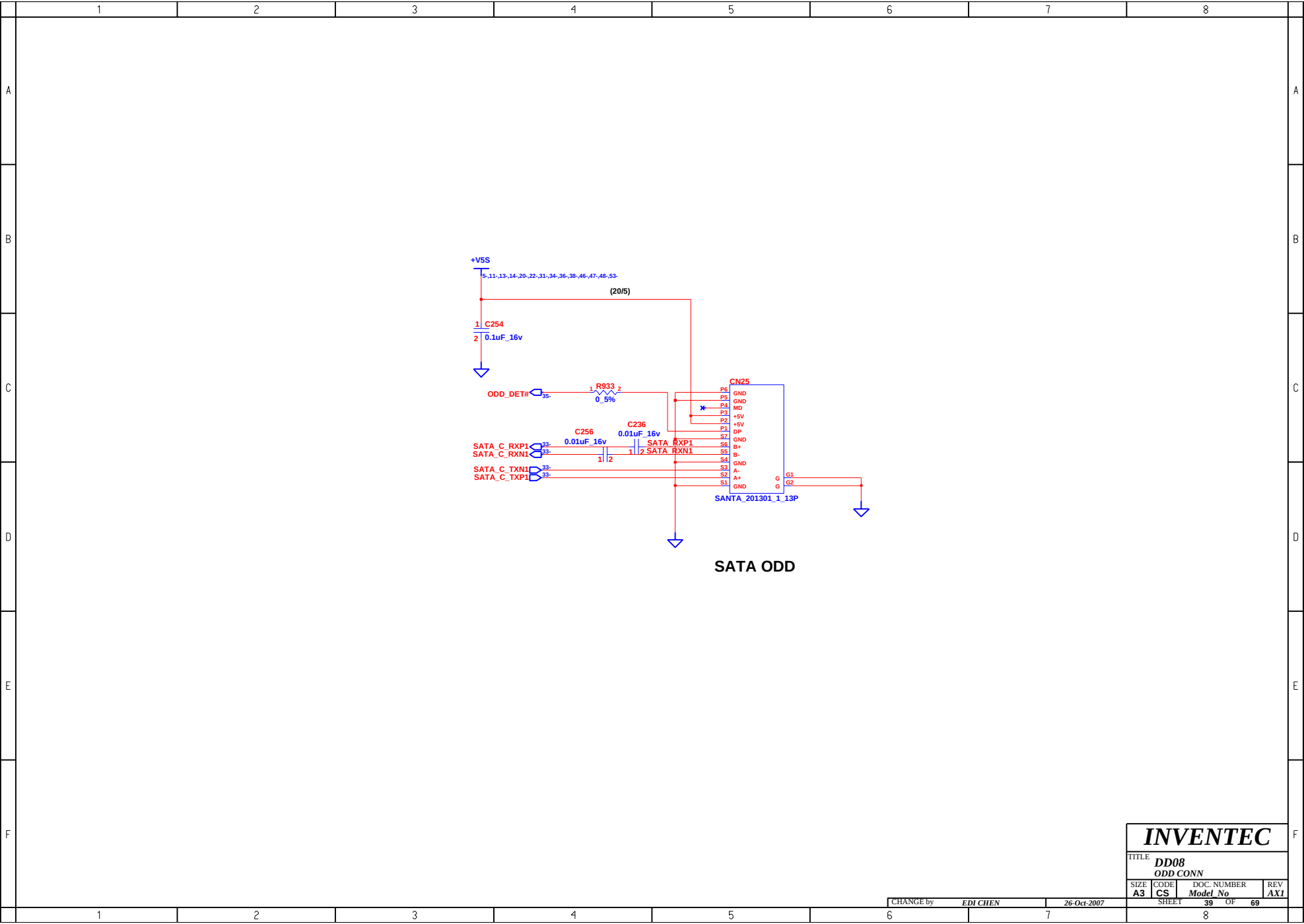
CHANGE by EDI CHEN 26-Oct-2007





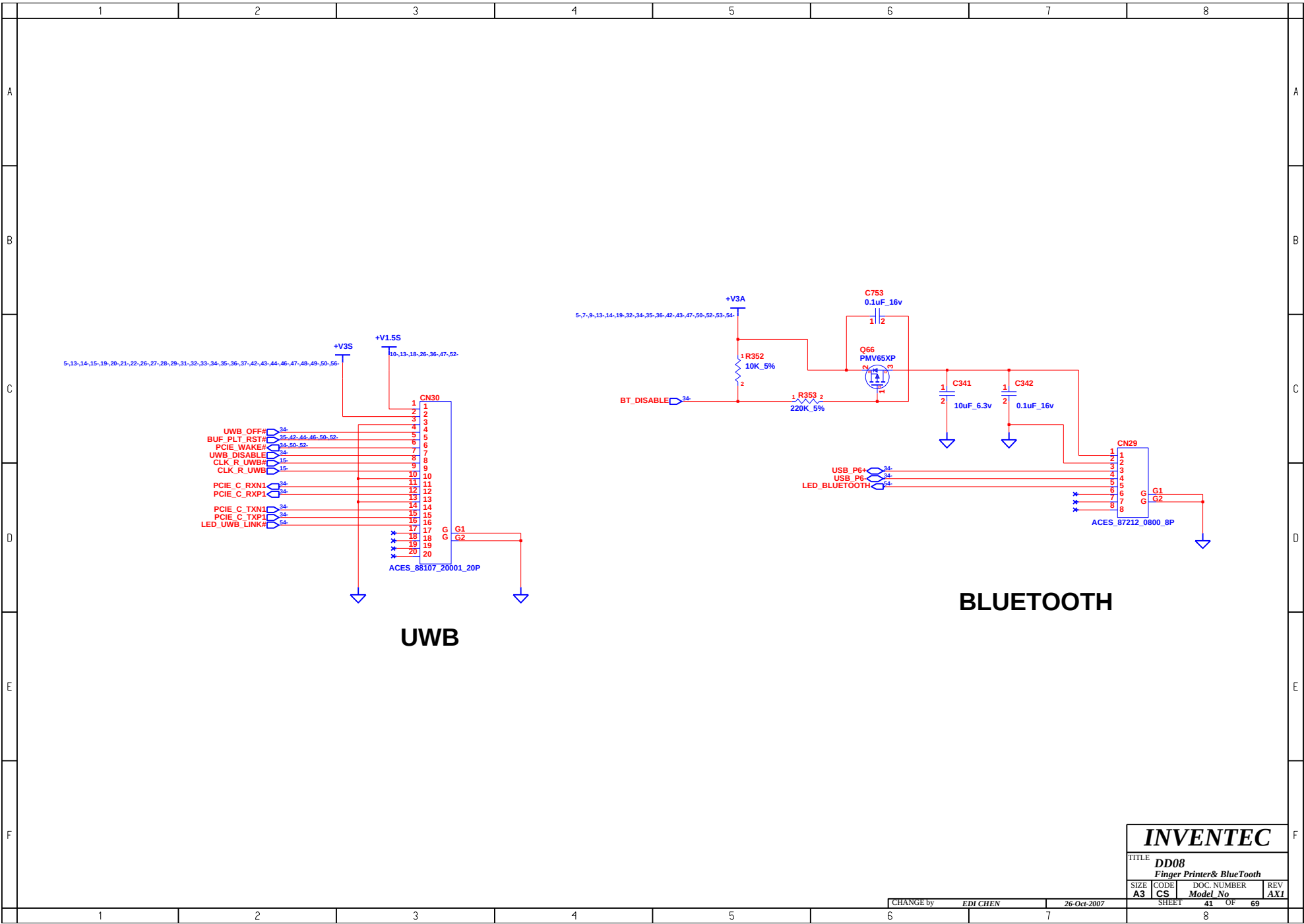
INVENTEC

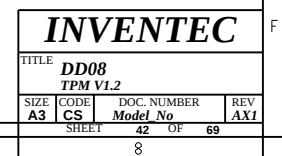
TITLE			
DD08 HDD CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1



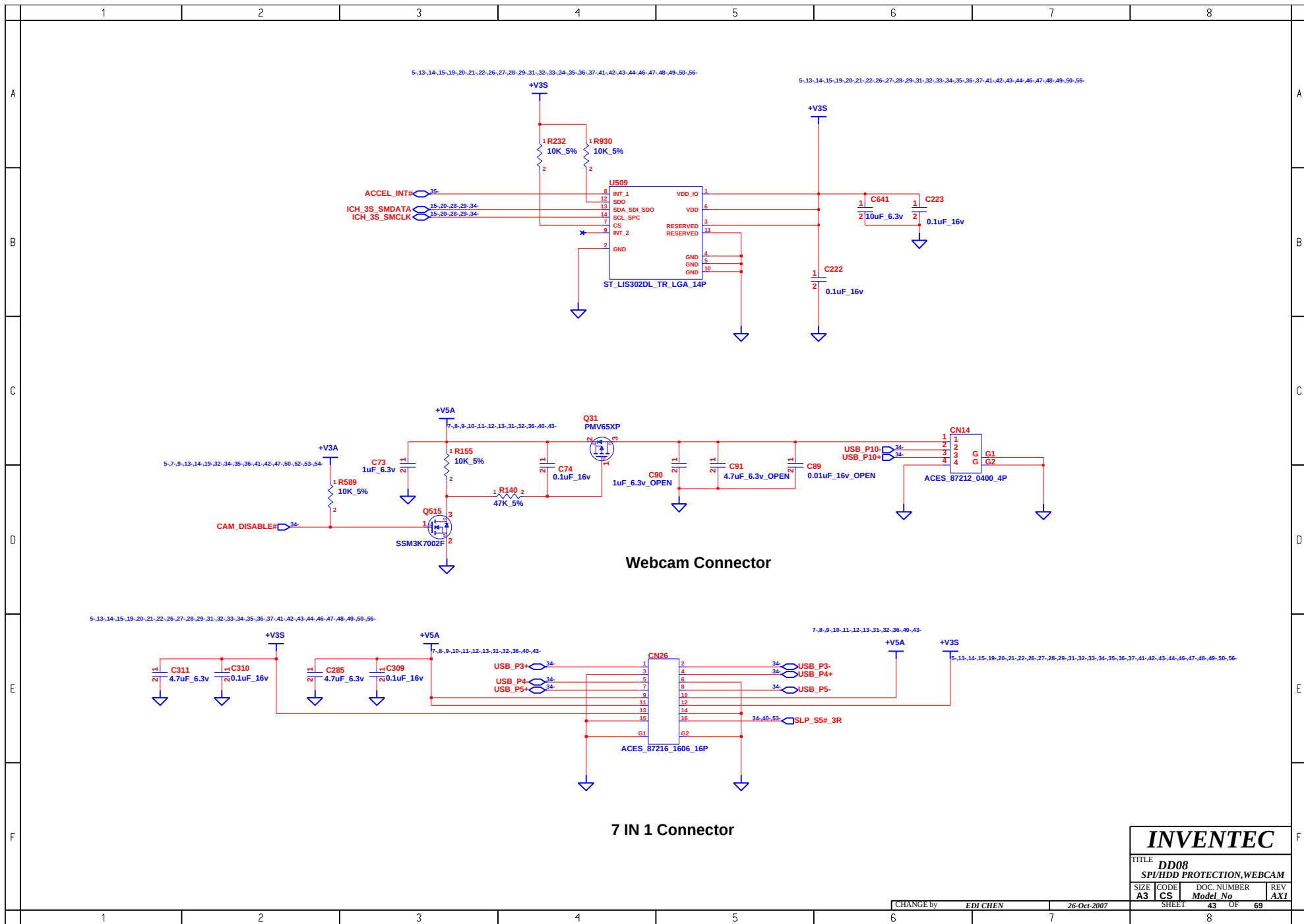
INVENTEC			
TITLE			
DD08			
ODD CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1
CHANGE by		26-Oct-2007	
SHEET		39	OF 69

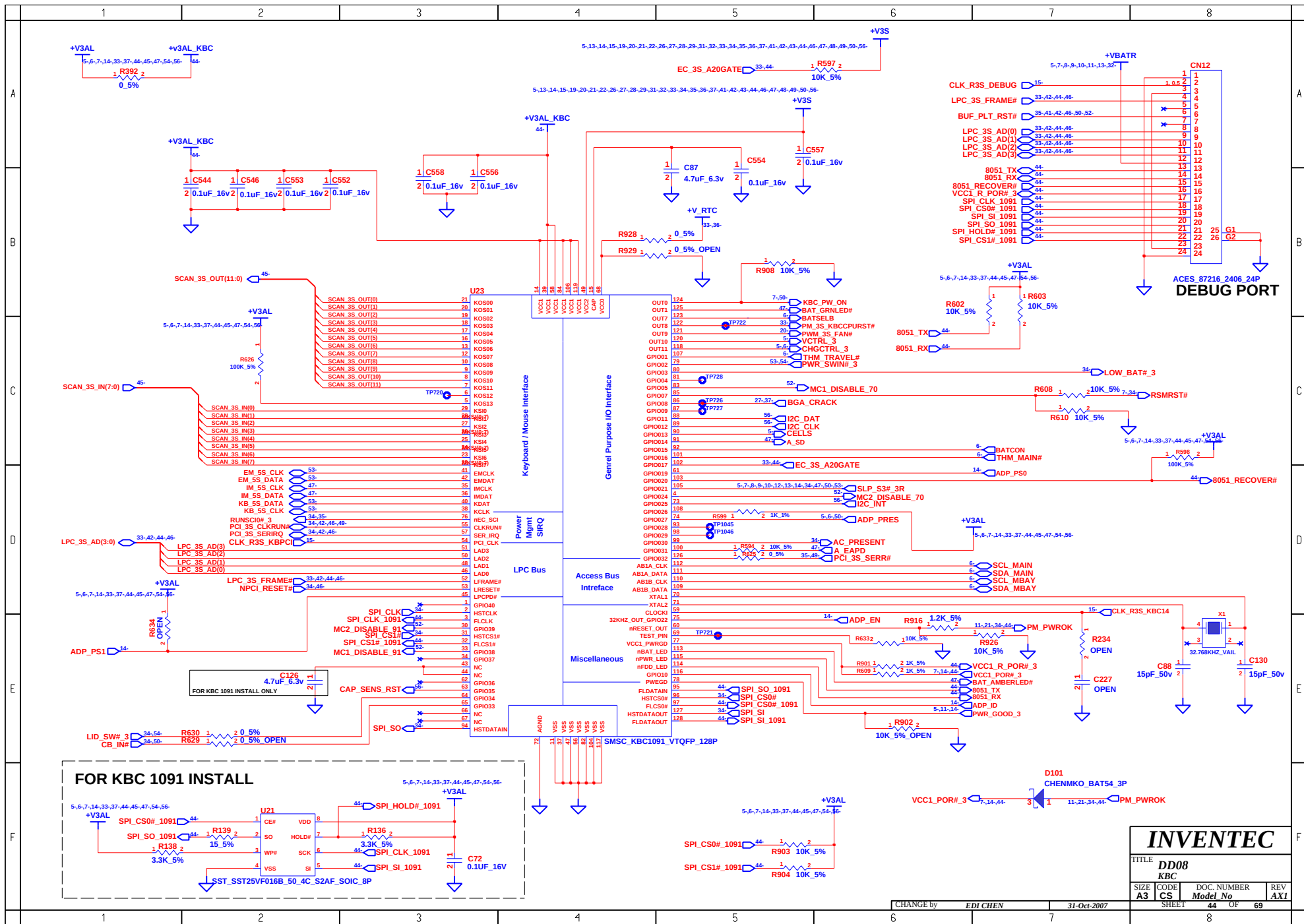
CS	Model No		
SHEET	40	OF	69



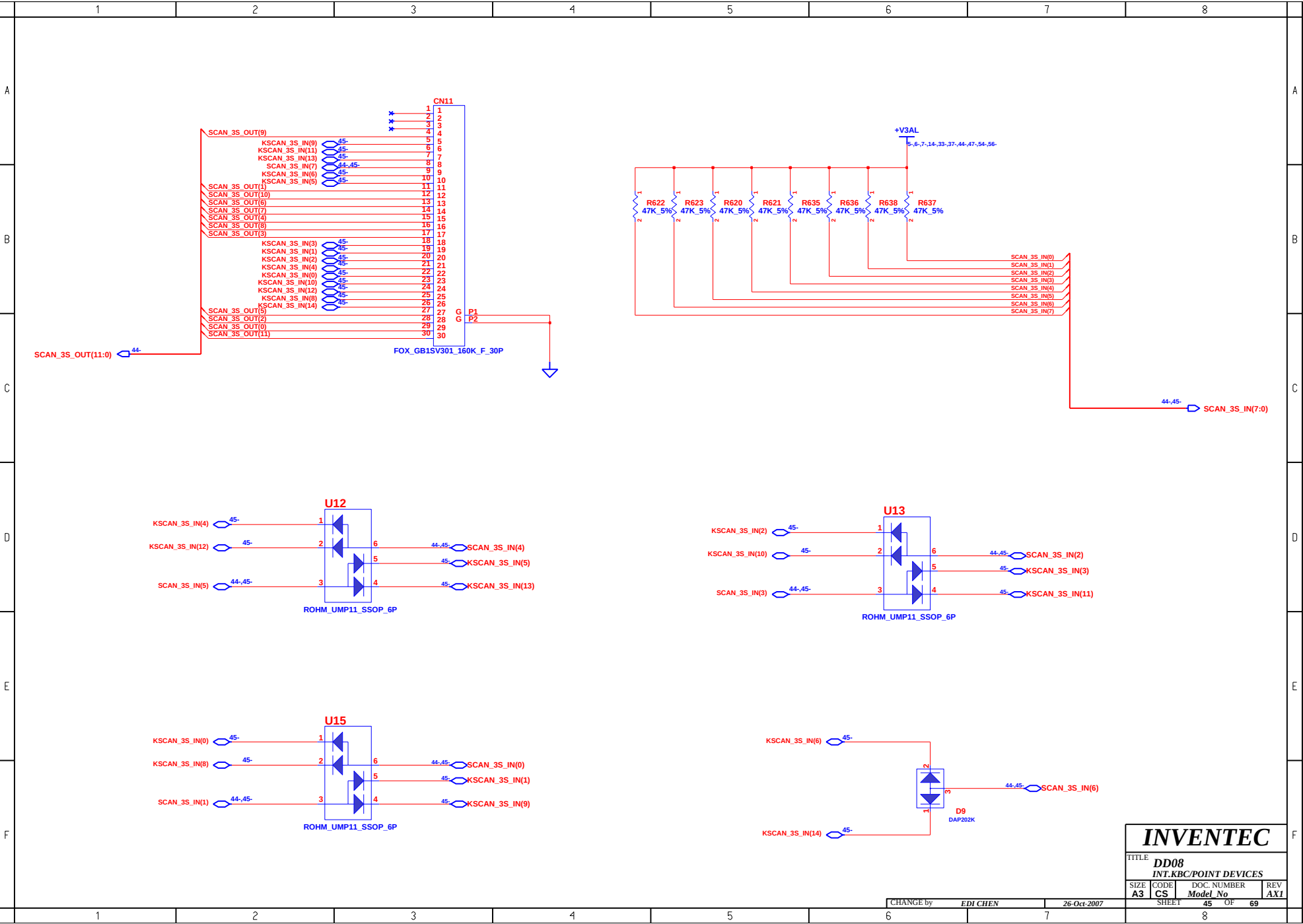


CHANGE by	<i>EDI CHEN</i>	<i>31-Oct-2007</i>
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INVENTEC			
TITLE DD08 KBC			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AX1
CHANGE by EDI CHEN		31-Oct-2007	SHEET 44 OF 69

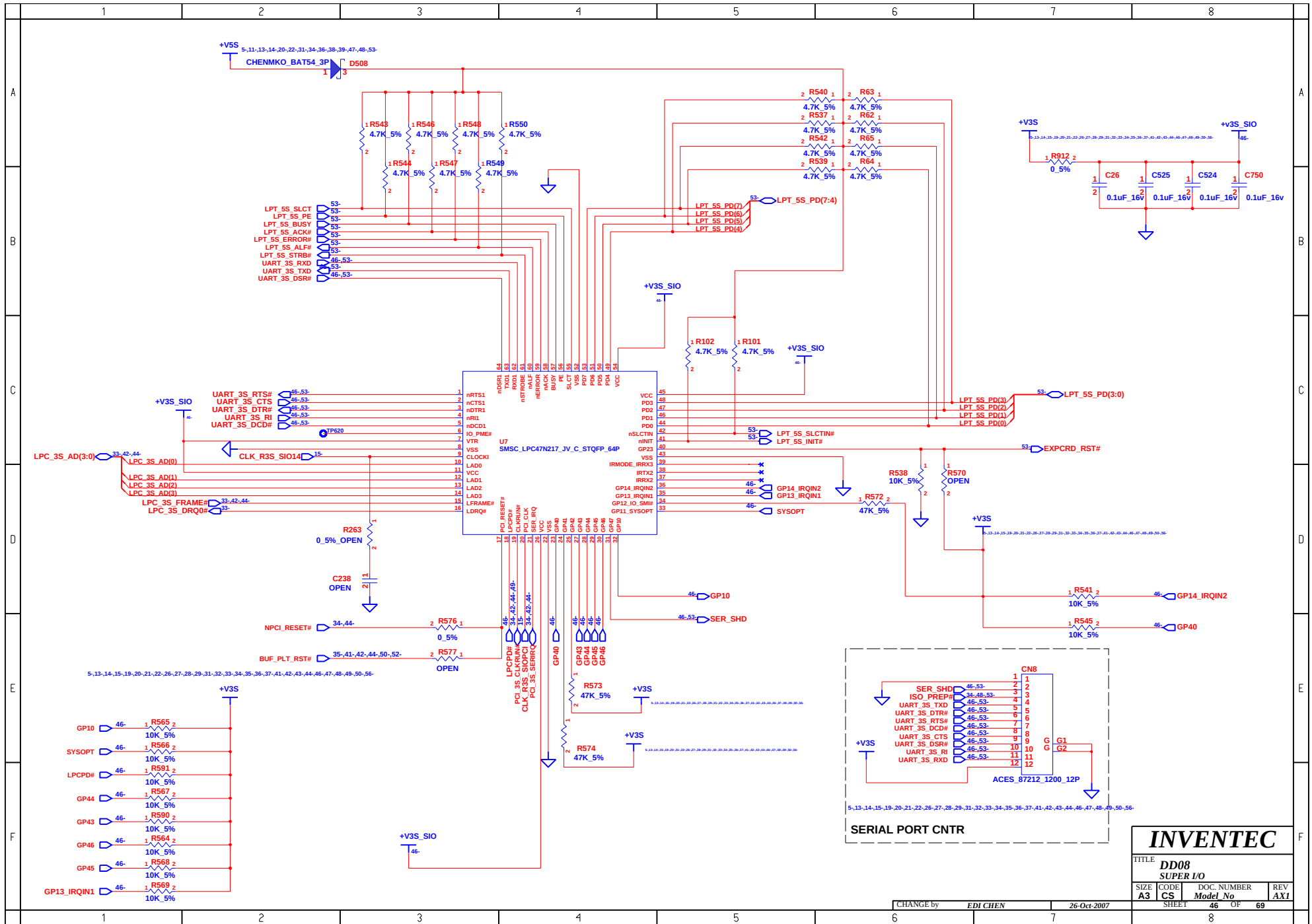


INVENTEC

TITLE			
DD08			
INT.KBC/POINT DEVICES			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1

CHANGE by EDI CHEN 26-Oct-2007

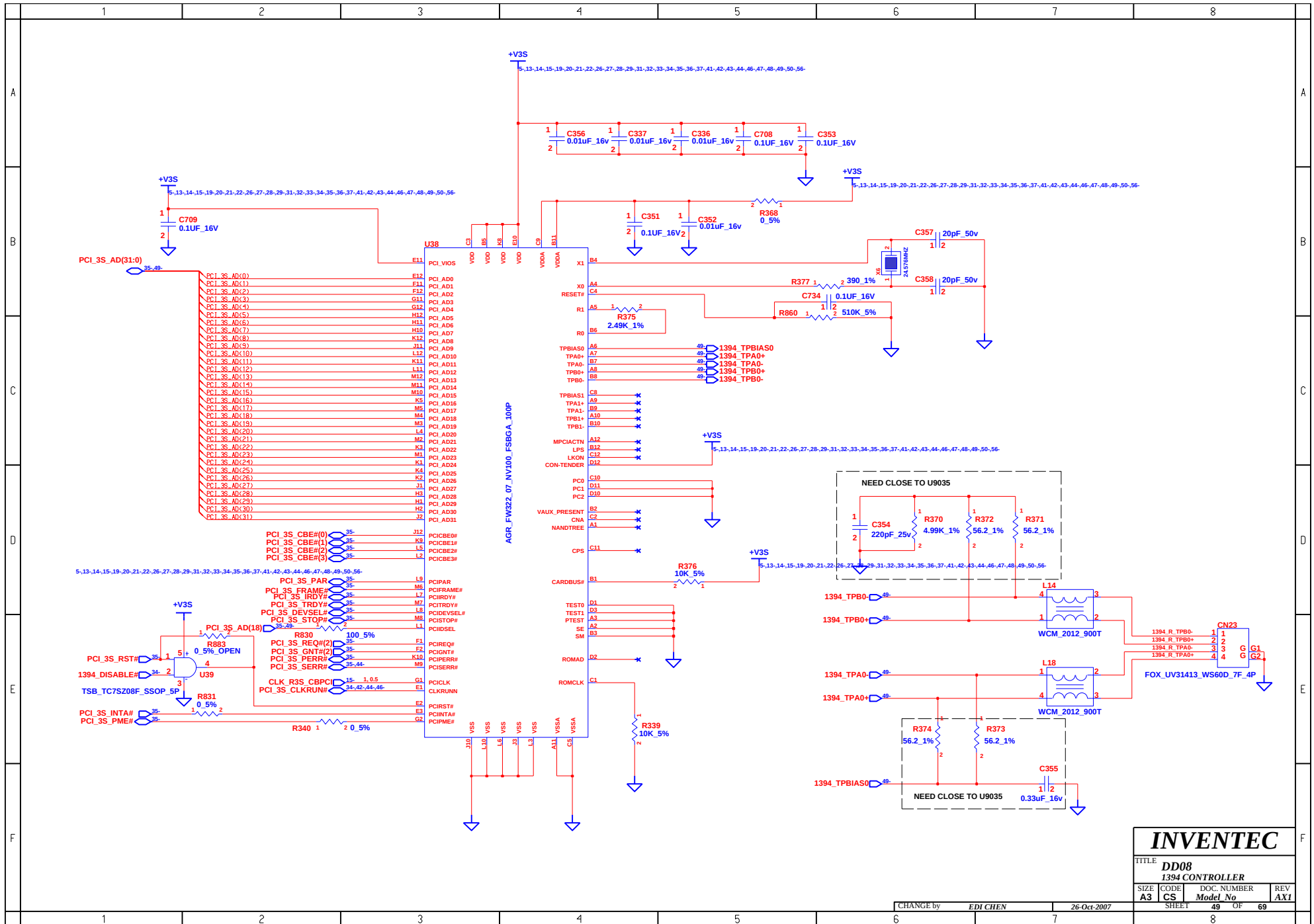
SHEET 45 OF 69

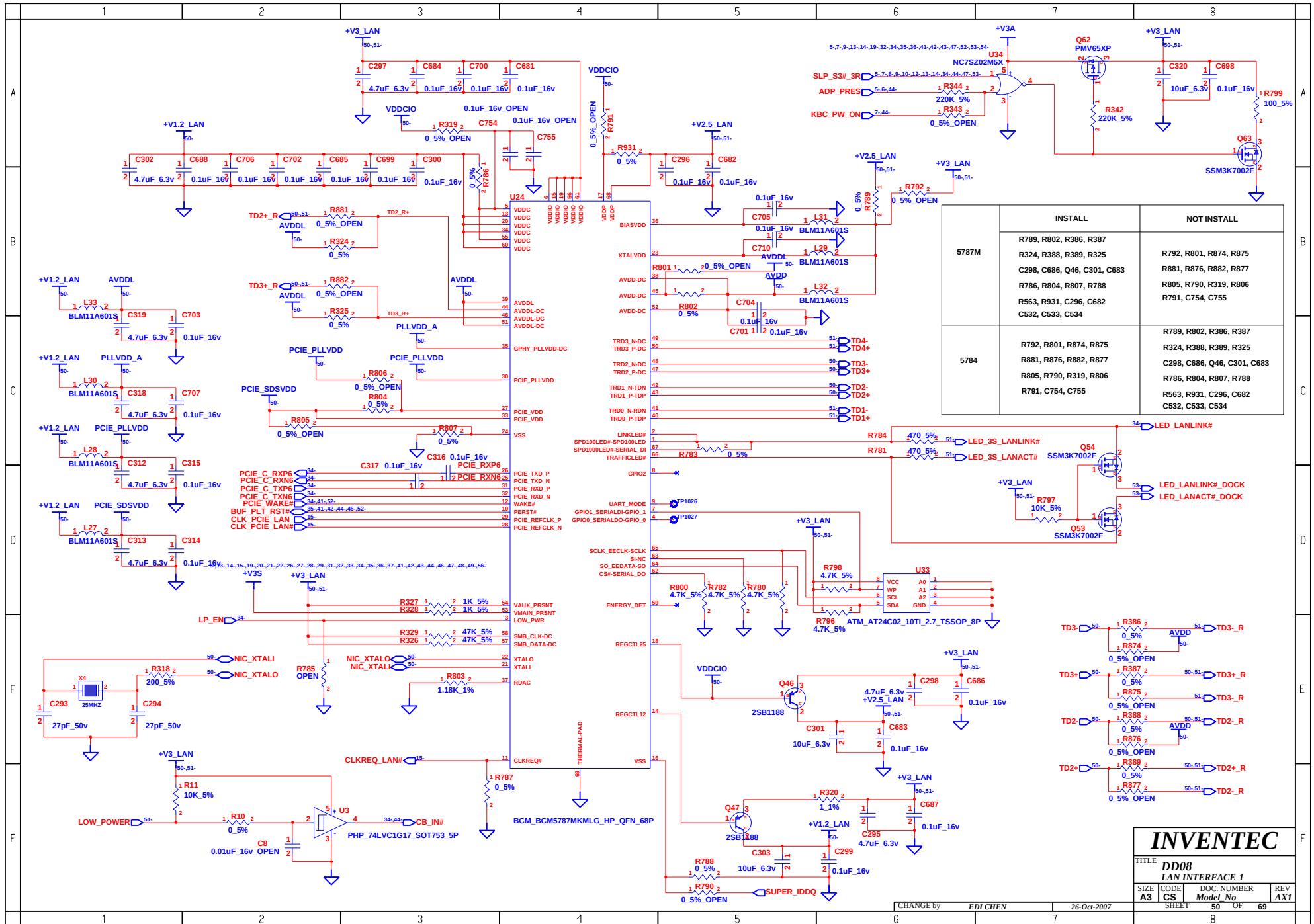


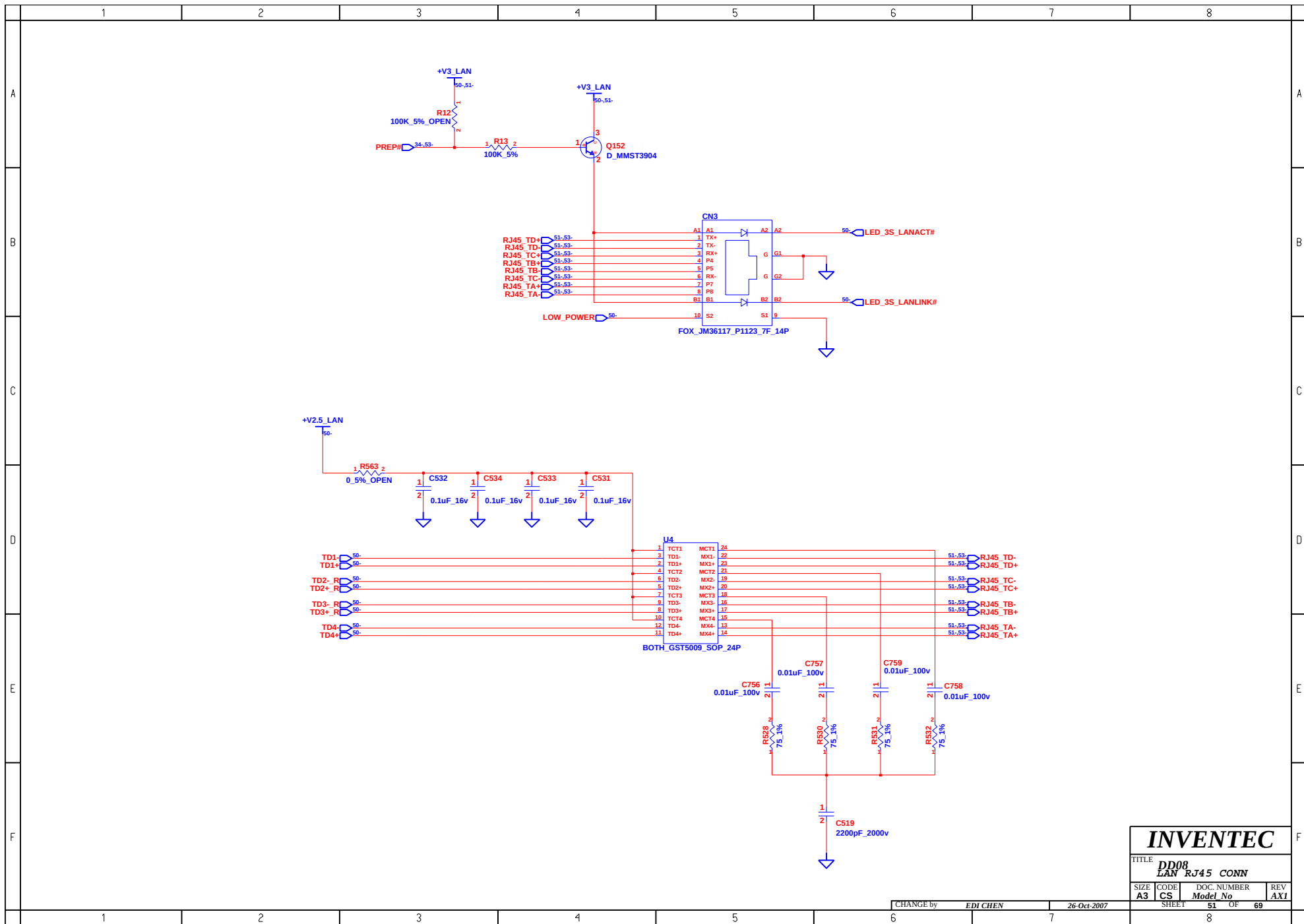
INVENTEC

TITLE DD08 SUPER I/O			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AX1
SHEET 46		OF 69	

CHANGE by EDI CHEN 26-Oct-2007

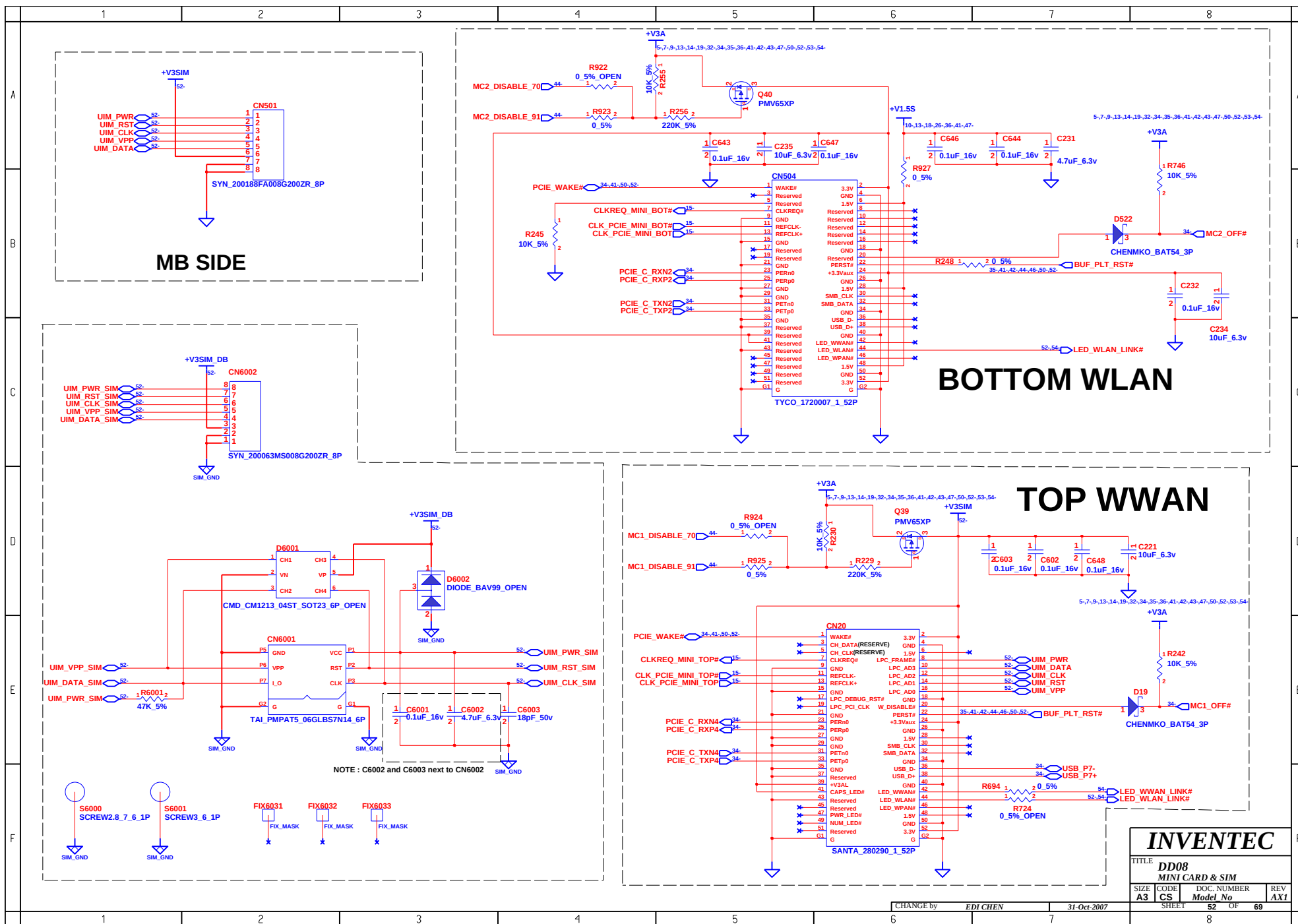


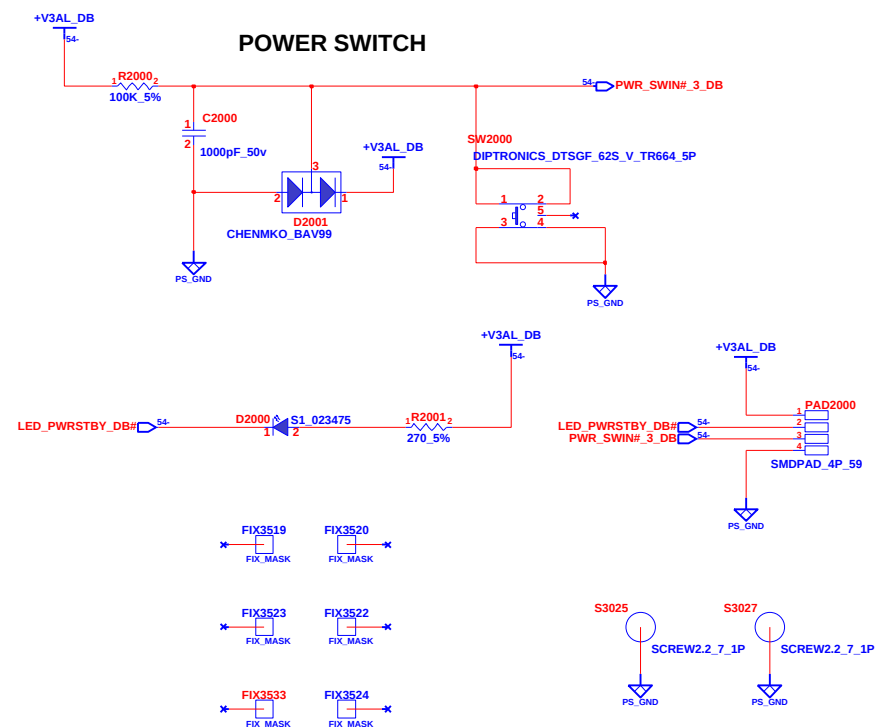
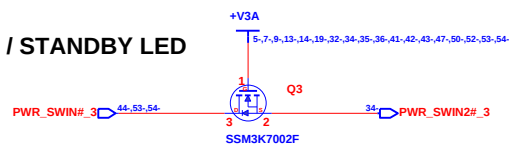
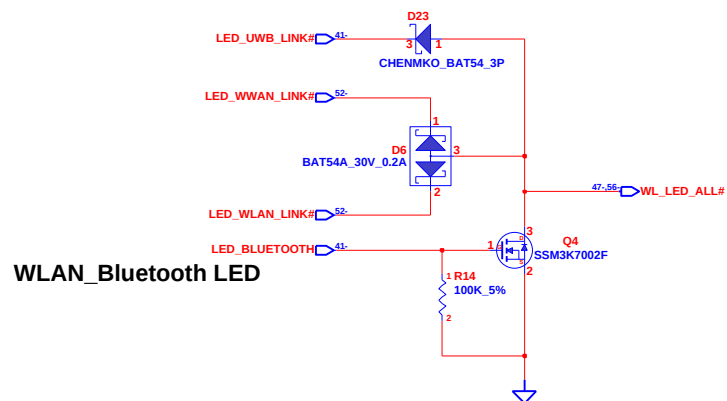
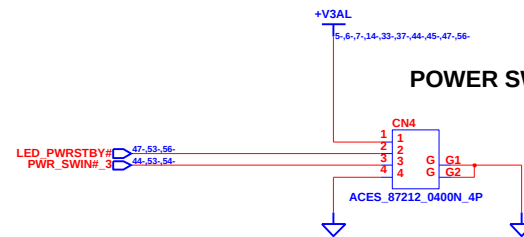
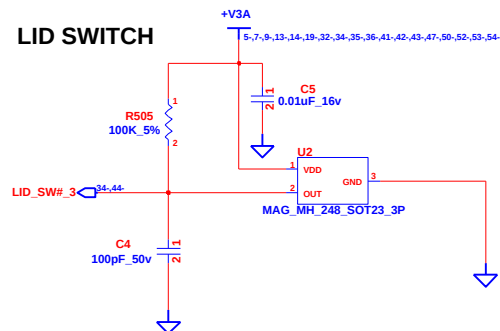




INVENTEC

TITLE			
DD08 LAN RJ45 CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1
CHANGE by		SHEET	OF
EDI CHEN		51	69





POWER BUTTON BOARD

INVENTEC

TITLE			
DD08 BUTTON&SWITCH&LED			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1

CHANGE by	<i>EDI CHEN</i>	26-Oct-2007
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8

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

S43

SCREW2.8_6.5_10_5P

S42

SCREW2.8_6.5_8_1P

S26

SCREW2.8_7_10_1P

S27

SCREW2.8_7_10_1P

S28

SCREW2.8_6.5_8_1P

S44

SCREW2.8_6.5_8_5P

S45

SCREW2.8_6.5_10_1P

S30

SCREW2.8_6.5_8_1P

S6002

SCREW3_0_7_1P

S47

SCREW4.7_7_10_1P

S46

SCREW2.8_6.5_8_1P

S38

SCREW3_6_0_1P

S36

SCREW2.8_6.5_8_1P

FIX37

FIX_MASK

FIX36

FIX_MASK

FIX40

FIX_MASK

FIX38

FIX_MASK

FIX41

FIX_MASK

FIX39

FIX_MASK

FIX43

FIX_MASK

FIX42

FIX_MASK

S20

SCREW3.8_6_1P

S21

SCREW3.8_6_1P

S22

SCREW3.8_6_1P

S23

SCREW3.8_6_1P

CPU Screws

S49

SCREW3_5.1_0_1P

S48

SCREW3_5.1_0_1P

S50

SCREW3.7_0_6_1P

S51

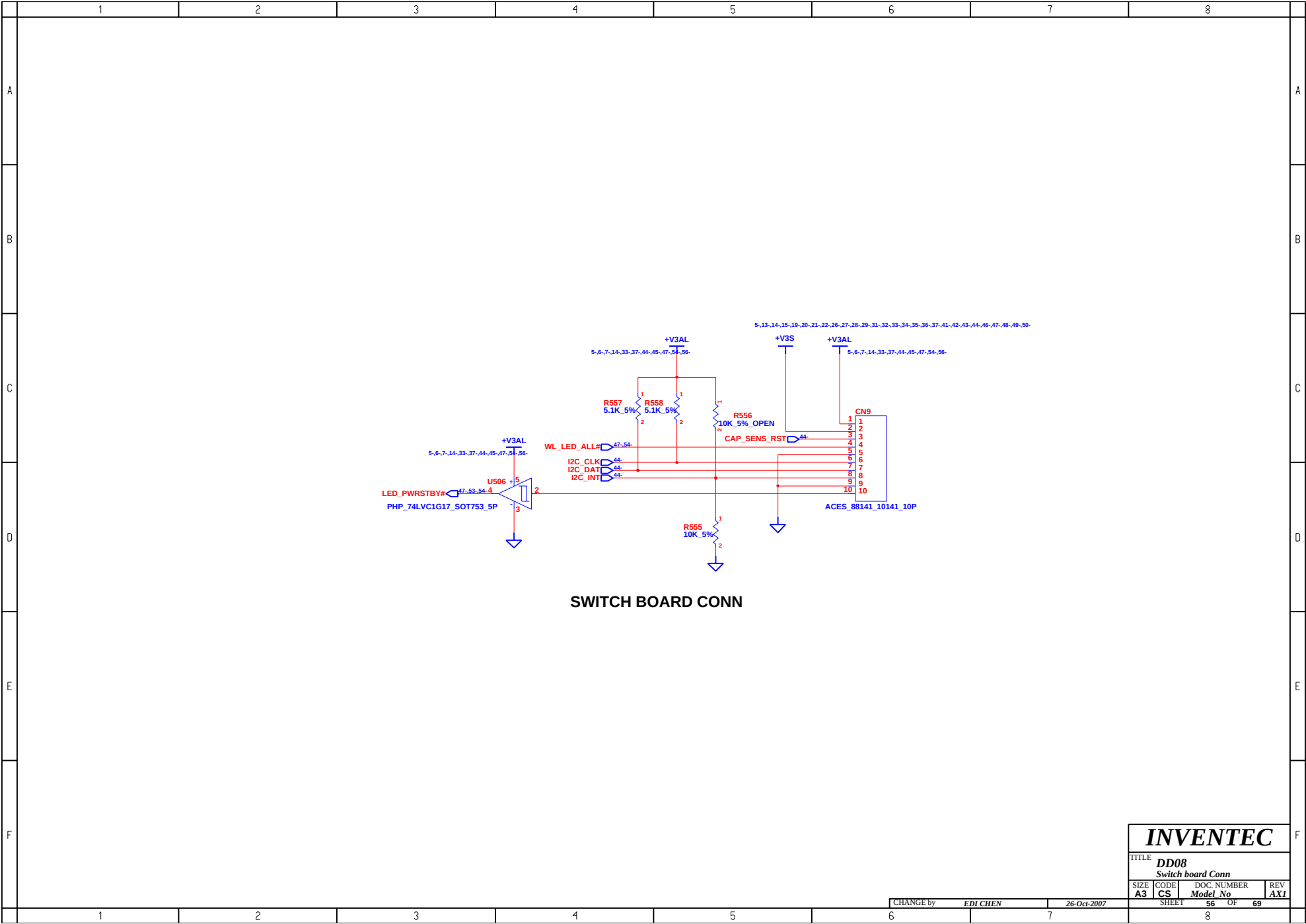
SCREW3.7_0_6_1P

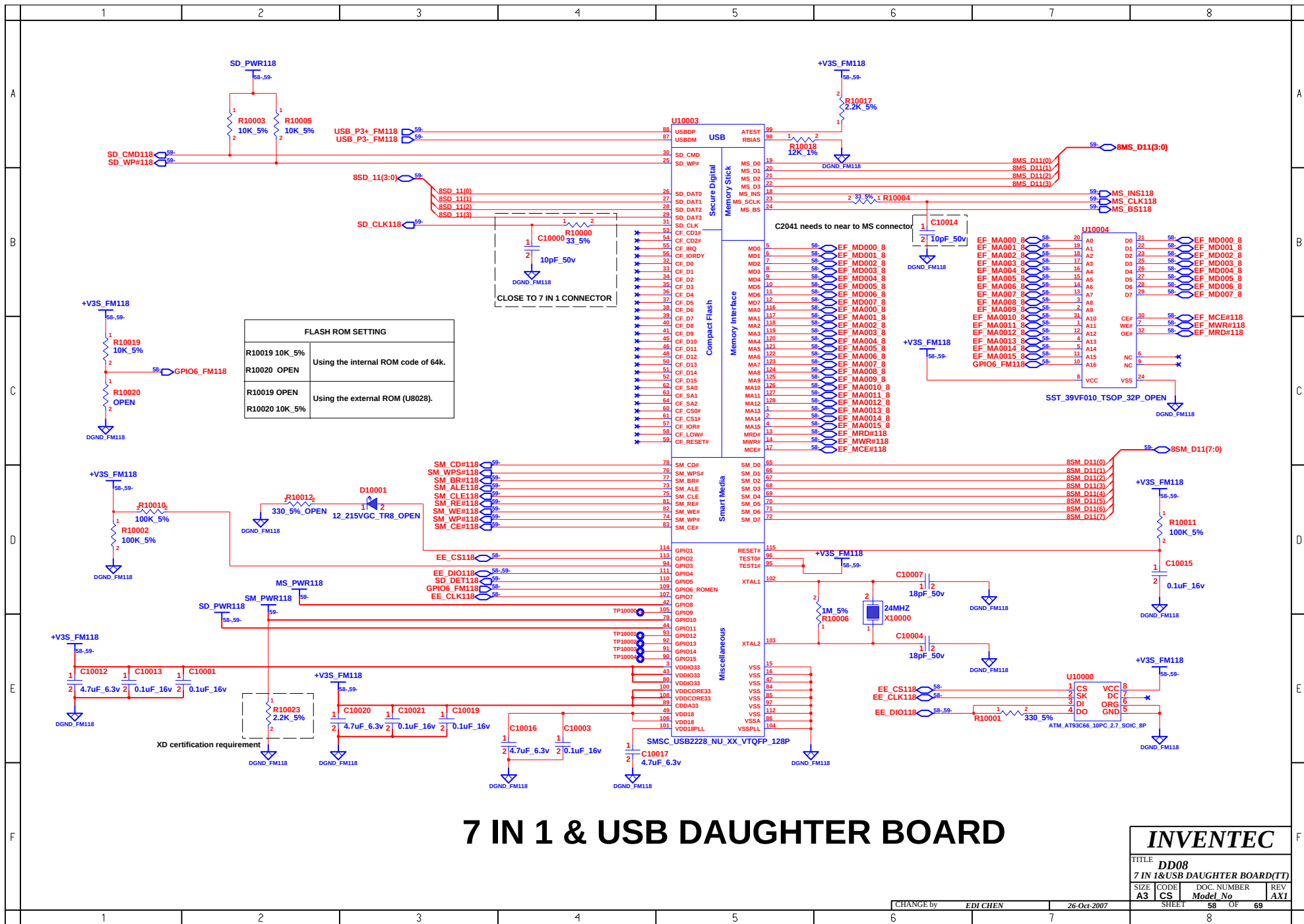
MINICARD Screws

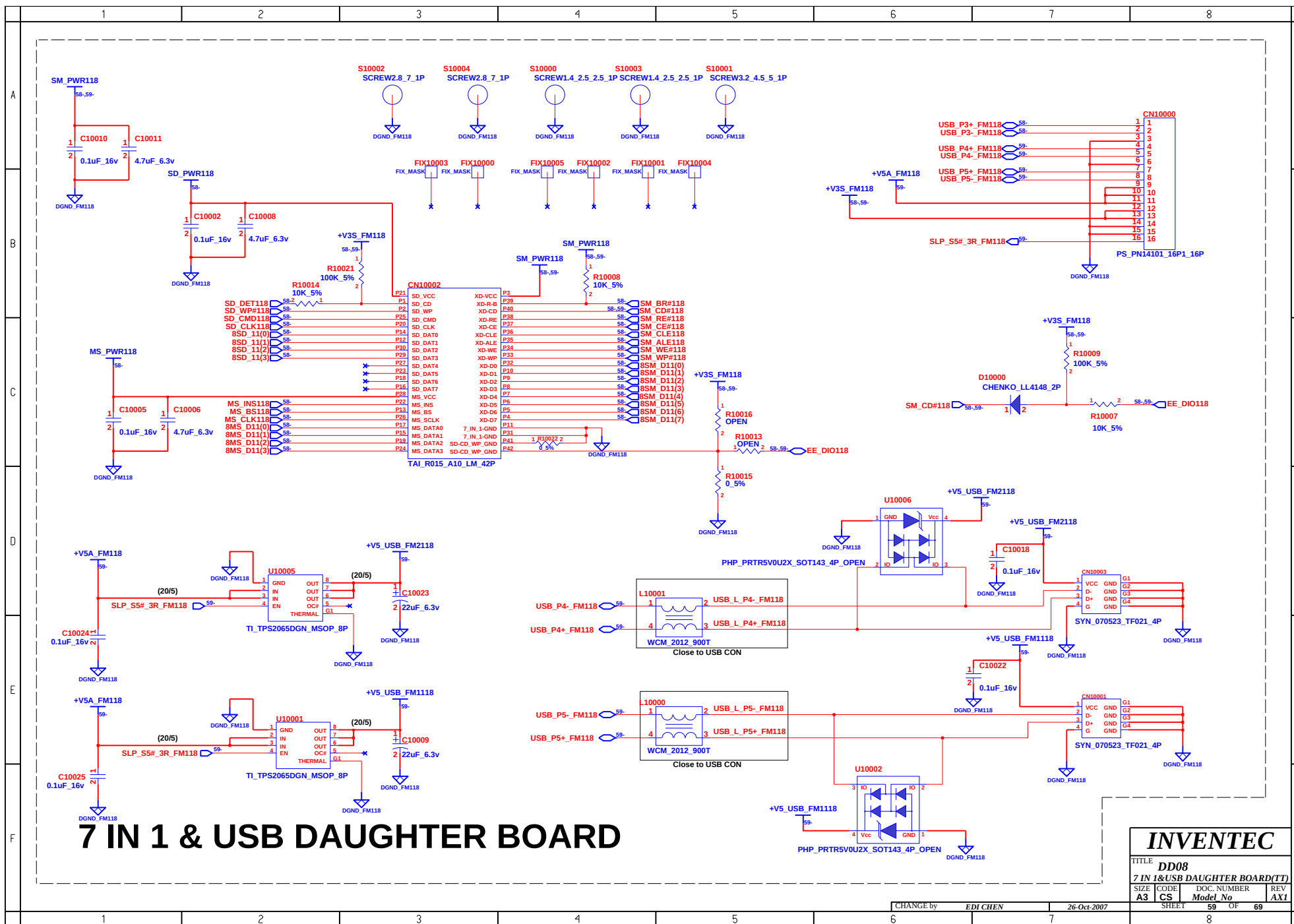
CHANGE by				EDI CHEN		26-Oct-2007	
6	7		8				

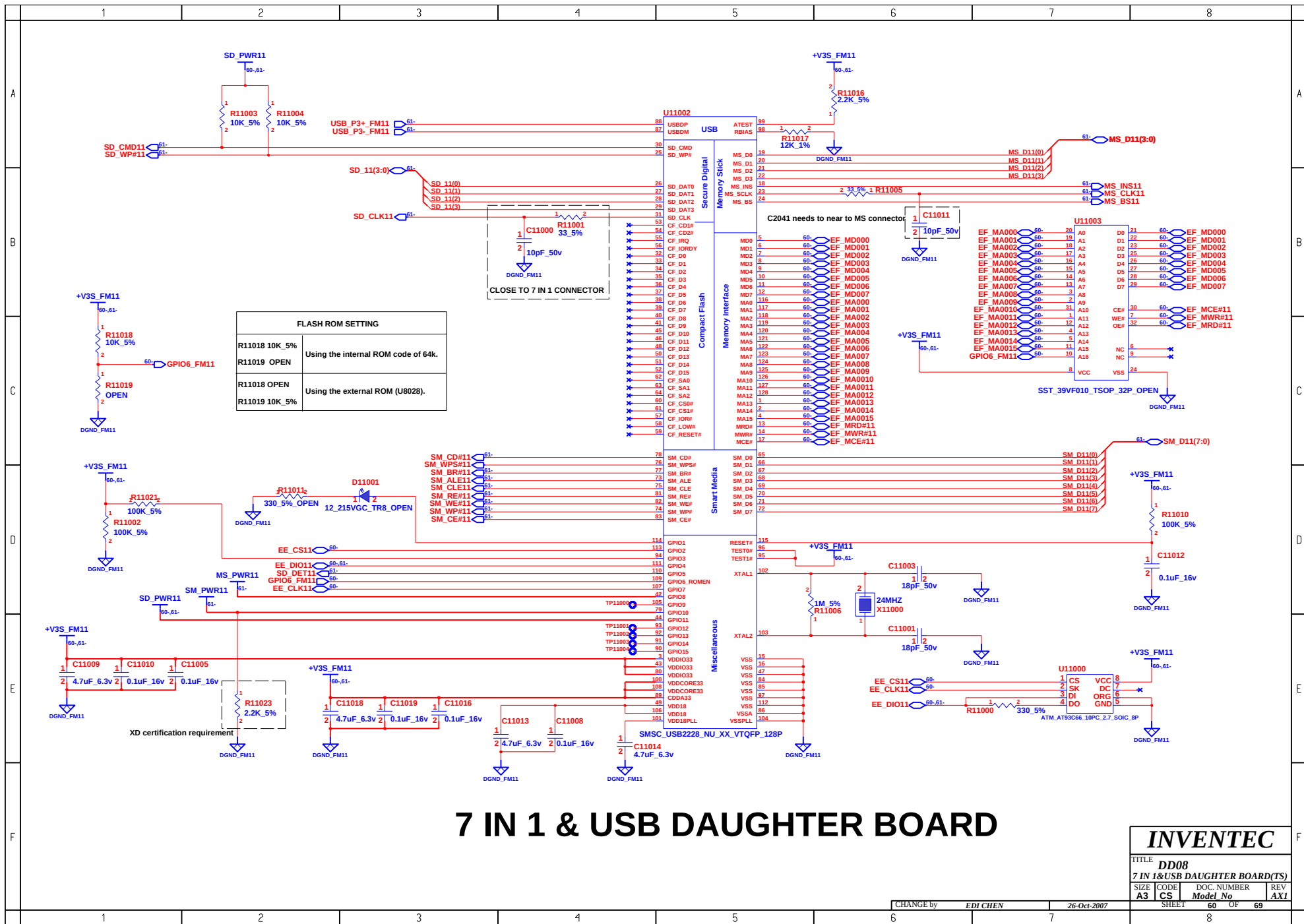
TITLE				DD08			
SIZE				SCREW			
A3	CODE	DOC. NUMBER	REV				
CS	Model No	55	OF	69			
SHEET		8					

hexainf@hotmail.com

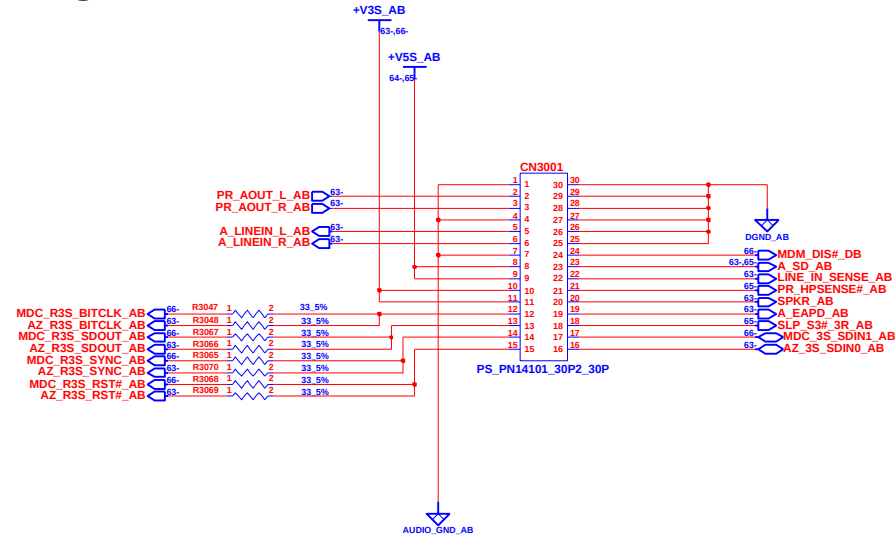








AUDIO DAUGHTER BOARD



FIX3501
 *
 FIX_MASK

FIX3502
 *
 FIX_MASK

FIX3504
 *
 FIX_MASK

FIX3531
 *
 FIX_MASK

FIX3532
 *
 FIX_MASK

FIX3505
 *
 FIX_MASK

FIX3506
 *
 FIX_MASK

Audio CONN

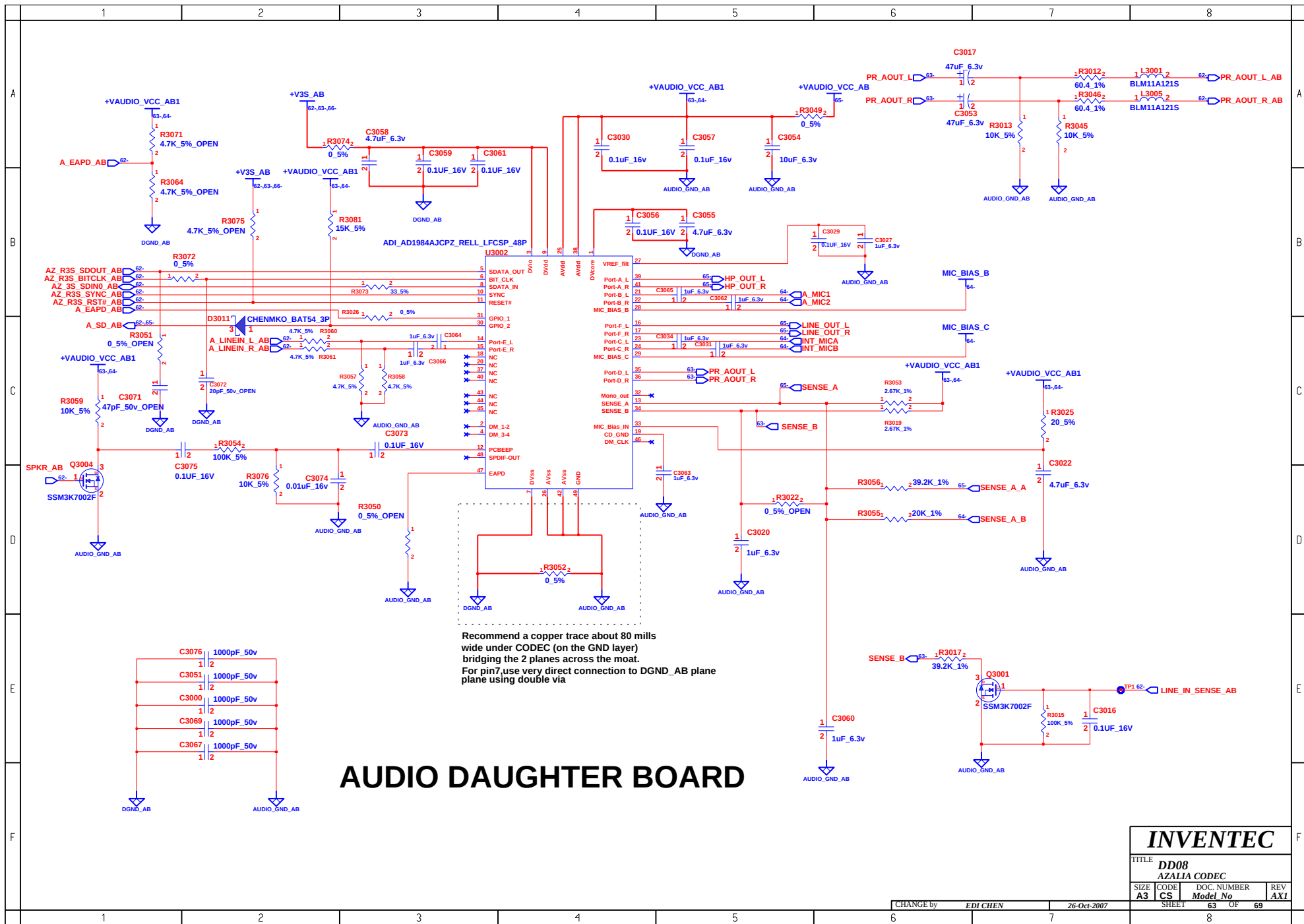
1. AGND
2. PR_AOUT_L
3. PR_AOUT_R
4. AGND
5. PR_LINEIN_L
6. PR_LINEIN_R
7. AGND
8. +V5S
9. +V5S
10. +V3S
11. +V3S
12. AZ_R3S_BITCLK(MDC_R3S_BITCLK)
13. AZ_R3S_SDOUT(MDC_R3S_SDOUT)
14. AZ_R3S_SYNC(MDC_R3S_SYNC)
15. AZ_R3S_RST#(MDC_R3S_RST#)
16. AZ_3S_SDIN0_AB
17. MDC_3S_SDIN1_AB
18. SLP_S3#_3R_AB
19. A_EAPD_AB
20. SPKR_AB
21. PR_HPSENSE#_AB
22. LINE_IN_SENSE_AB
23. A_SD_AB
24. MODEM DISABLE#
25. DGND
26. DGND
27. DGND
28. DGND
29. DGND
30. DGND

INVENTEC

TITLE			
DD08			
AUDIO CNTR			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

CHANGE by EDI CHEN 26-Oct-2007

SHEET 62 OF 69

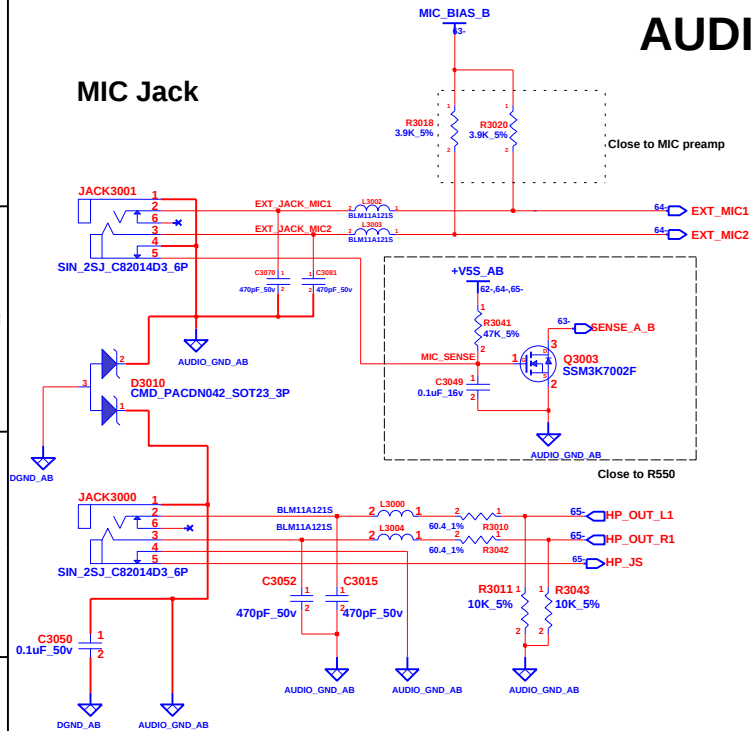


INVENTEC

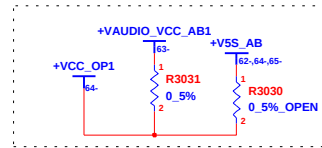
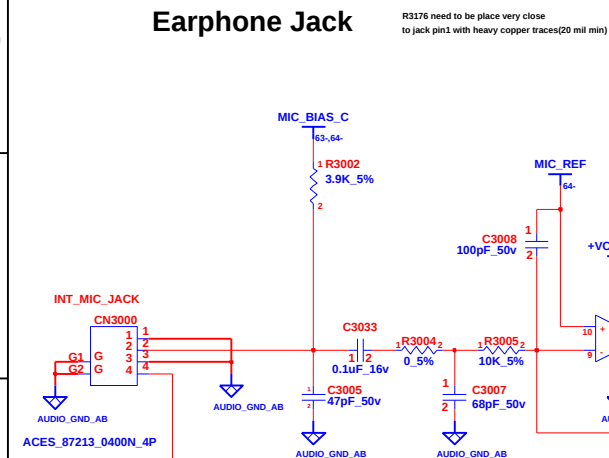
TITLE			
DD08			
AZALIA CODEC			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1
CHANGE by		26-Oct-2007	
SHEET		63 OF 69	

AUDIO DAUGHTER BOARD

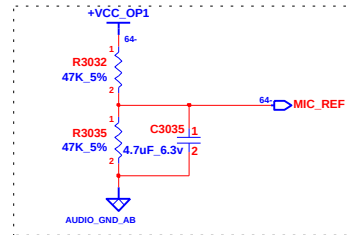
MIC Jack



Earphone Jack

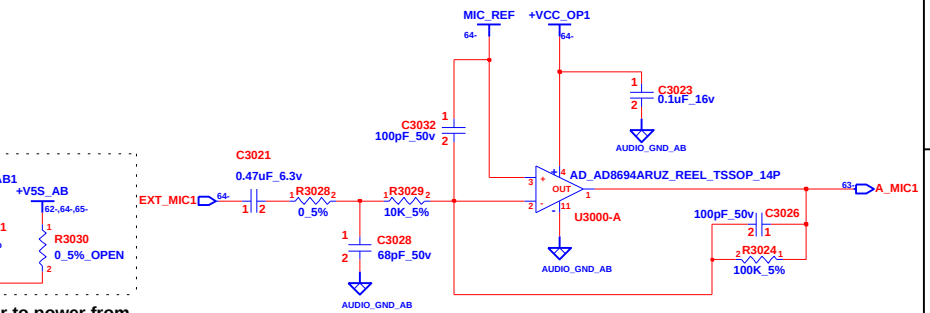
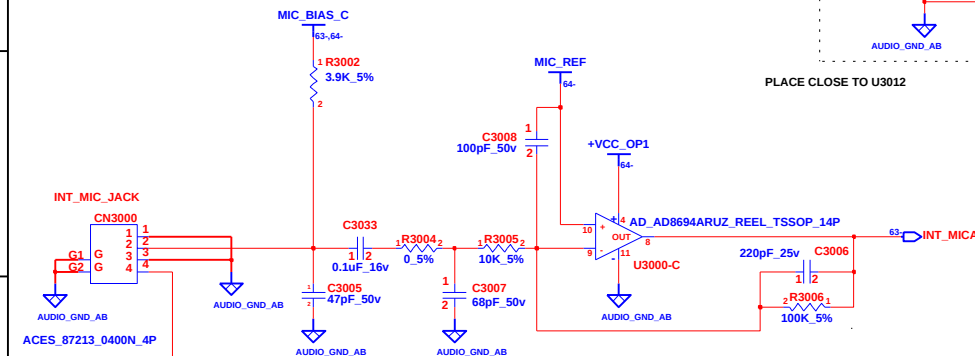


Add option resistor to power from +V5S_AB if needed(do not install)

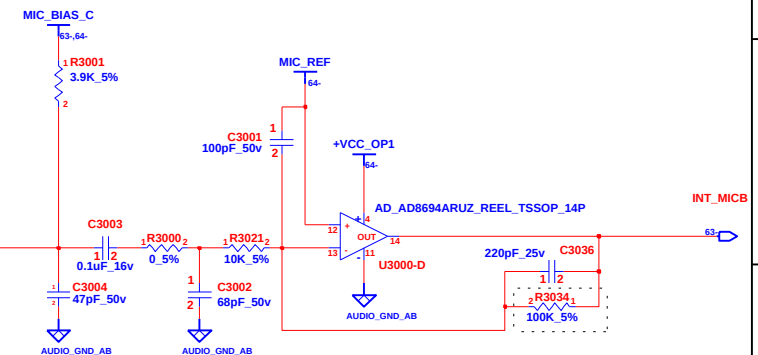
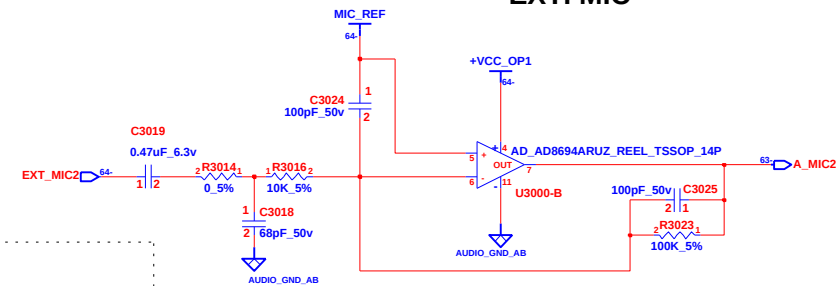


PLACE CLOSE TO U3012

INT. MIC



EXT. MIC



INVENTEC

TITLE			
DD08			
EARPHONE & MIC JACK			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1

CHANGE by EDI CHEN 31-Oct-2007

SHEET 64 OF 69

A



2

D

CHANGE by	EDI CHEN	26-Oct-2007
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AUDIO DAUGHTER BOARD

MDC CONN

The schematic diagram illustrates the connection of an audio daughter board to a main board via a 20mil pitch connector (CN3002). The daughter board includes a power supply section with a +V3S_AB input, a 0.1uF_16v capacitor (C3045), and a 10uF_6.3v capacitor (C3046). It also features a signal section with MDC_R3S_SYNC_AB, MDC_3S_SDIN1_AB, and MDC_R3S_BITCLK_AB signals. A 33_5% resistor (R3040) is connected to the MDC_3S_SDIN1_AB signal. The daughter board is powered by a +V3S_AB input and includes a 10K_5%_OPEN resistor (R3082) and a 0.5% resistor (R3083). The daughter board is connected to the main board via a 20mil pitch connector (CN3002). The daughter board includes a 33_5% resistor (R3040) and a 0.5% resistor (R3083). The daughter board is connected to the main board via a 20mil pitch connector (CN3002).

Component List:

- Resistors: R3040 (33_5%), R3082 (10K_5%_OPEN), R3083 (0.5%)
- Capacitors: C3045 (0.1uF_16v), C3046 (10uF_6.3v), C3090 (OPEN)
- ICs: U3003 (NC7SZ08M5_OPEN)
- Connectors: CN3002 (20mil), S3000, S3001, S3002, S3005, S3028, S3032, S3034

Pin Connections:

- 1: GND
- 2: REVERSED
- 3: Azalia_SDO
- 4: REVERSED
- 5: GND
- 6: 3.3Vmain-aux
- 7: Azalia_SYNC
- 8: GND
- 9: Azalia_SDI
- 10: GND
- 11: Azalia_RST#
- 12: Azalia_BCLK
- 13: G
- 14: G
- 15: G
- 16: G
- 17: G
- 18: G
- 19: G
- 20: G

Assembly Notes:

- MDM_DIS#_DB
- MDC_R3S_RST#_AB
- MDC_R3S_SYNC_AB
- MDC_3S_SDIN1_AB
- MDC_R3S_BITCLK_AB
- +V3S_AB
- DGND_AB

INVENTEC

DD08

MDC CONN(Ver 1.5)

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1

CHANGE by: EDI CHEN 26-Oct-2007

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AUDIO DAUGHTER BOARD

MDC CONN

The schematic diagram illustrates the connection of an audio daughter board to a main board via a 20mil pitch connector (CN3002). The daughter board includes a 33 Ohm resistor (R3040), a 10K Ohm resistor (R3082), a 0.5 Ohm resistor (R3083), and a 0.5 Ohm resistor (R3080). It also features a 10K Ohm resistor (R3082) and a 0.5 Ohm resistor (R3083). The daughter board is powered by +V3S_AB and has a ground connection to DGND_AB. The daughter board is connected to the main board via a 20mil pitch connector (CN3002). The daughter board includes a 33 Ohm resistor (R3040), a 10K Ohm resistor (R3082), a 0.5 Ohm resistor (R3083), and a 0.5 Ohm resistor (R3080). The daughter board is powered by +V3S_AB and has a ground connection to DGND_AB. The daughter board is connected to the main board via a 20mil pitch connector (CN3002).

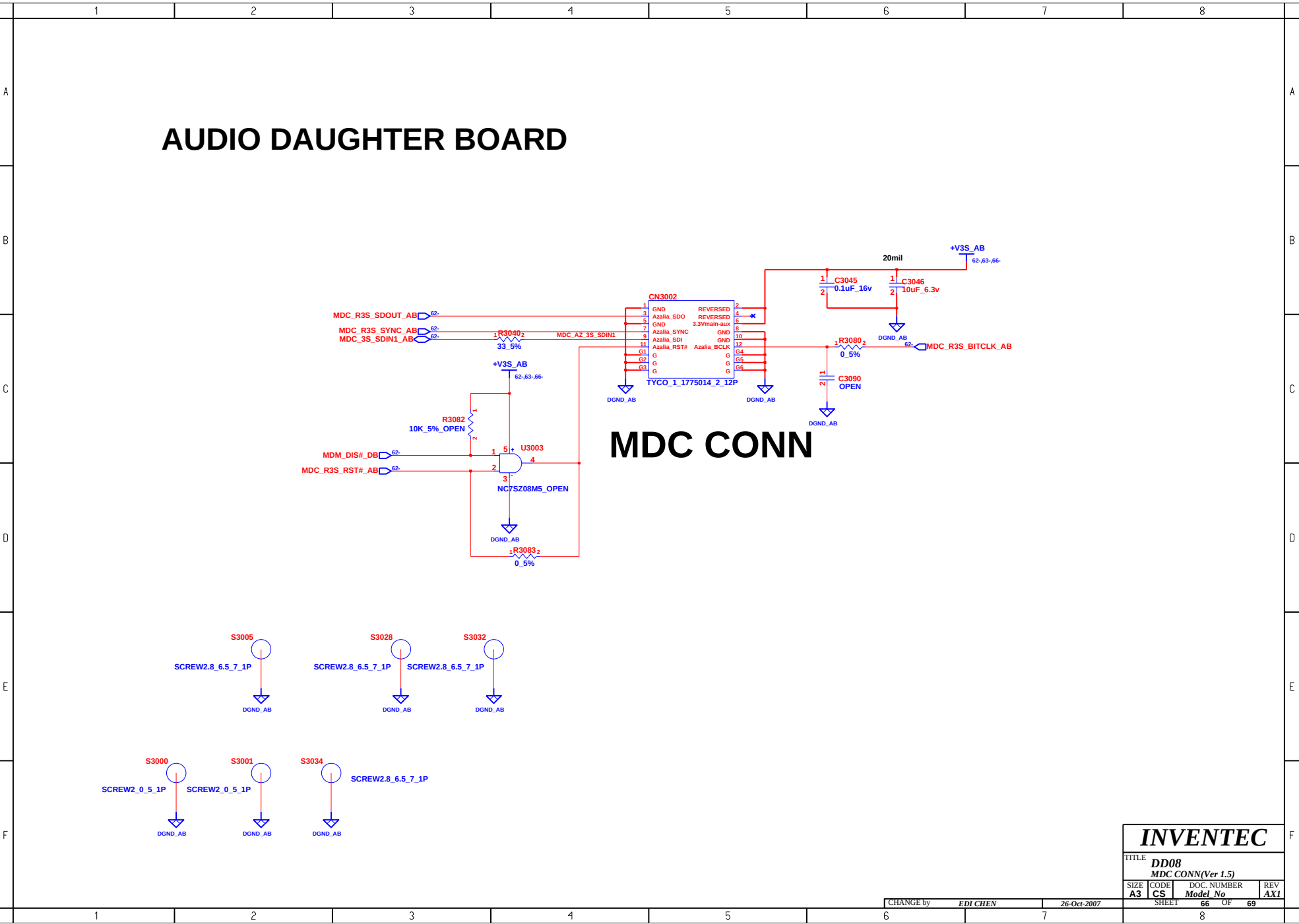
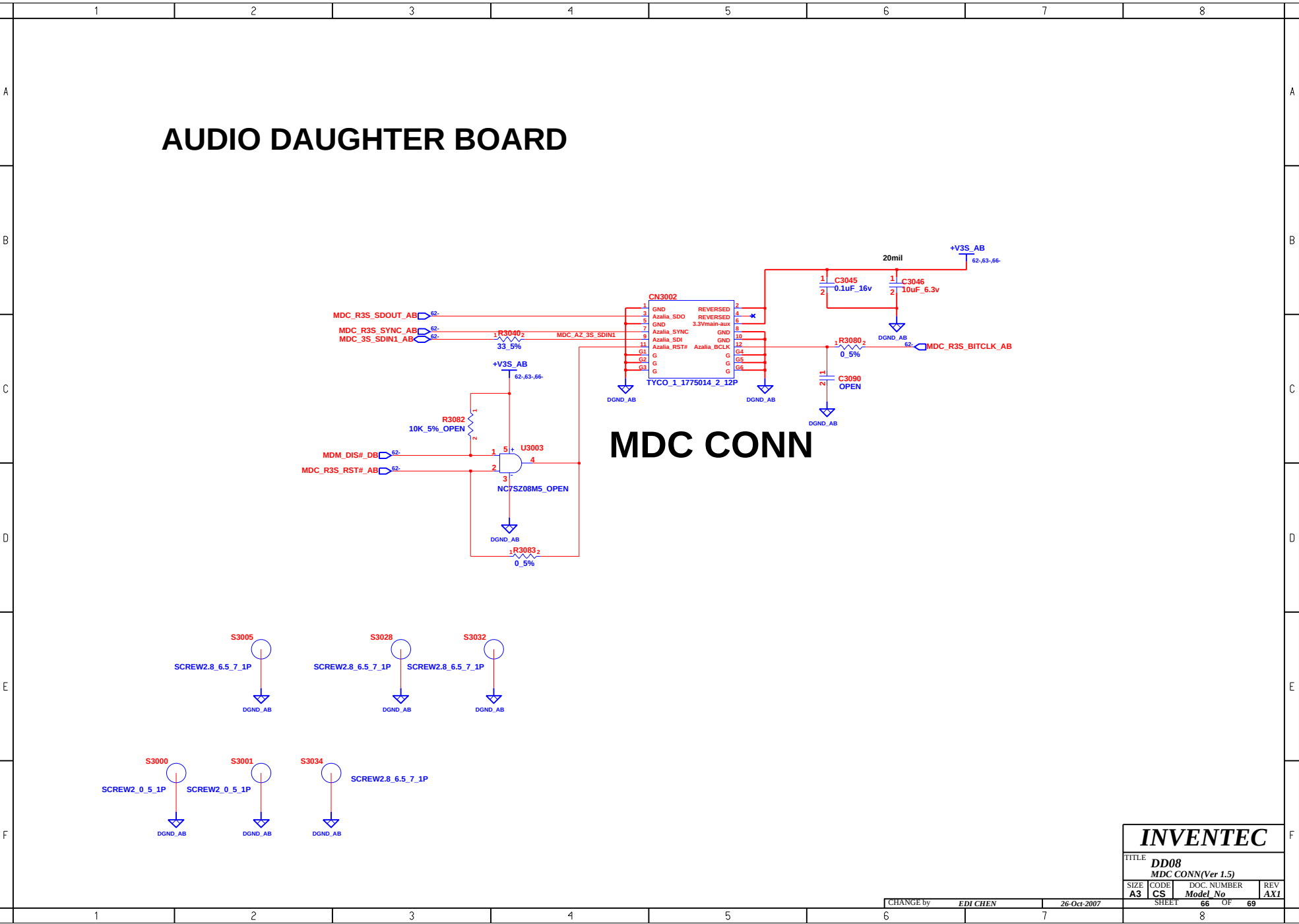
INVENTEC

TITLE: **DD08**
MDC CONN(Ver 1.5)

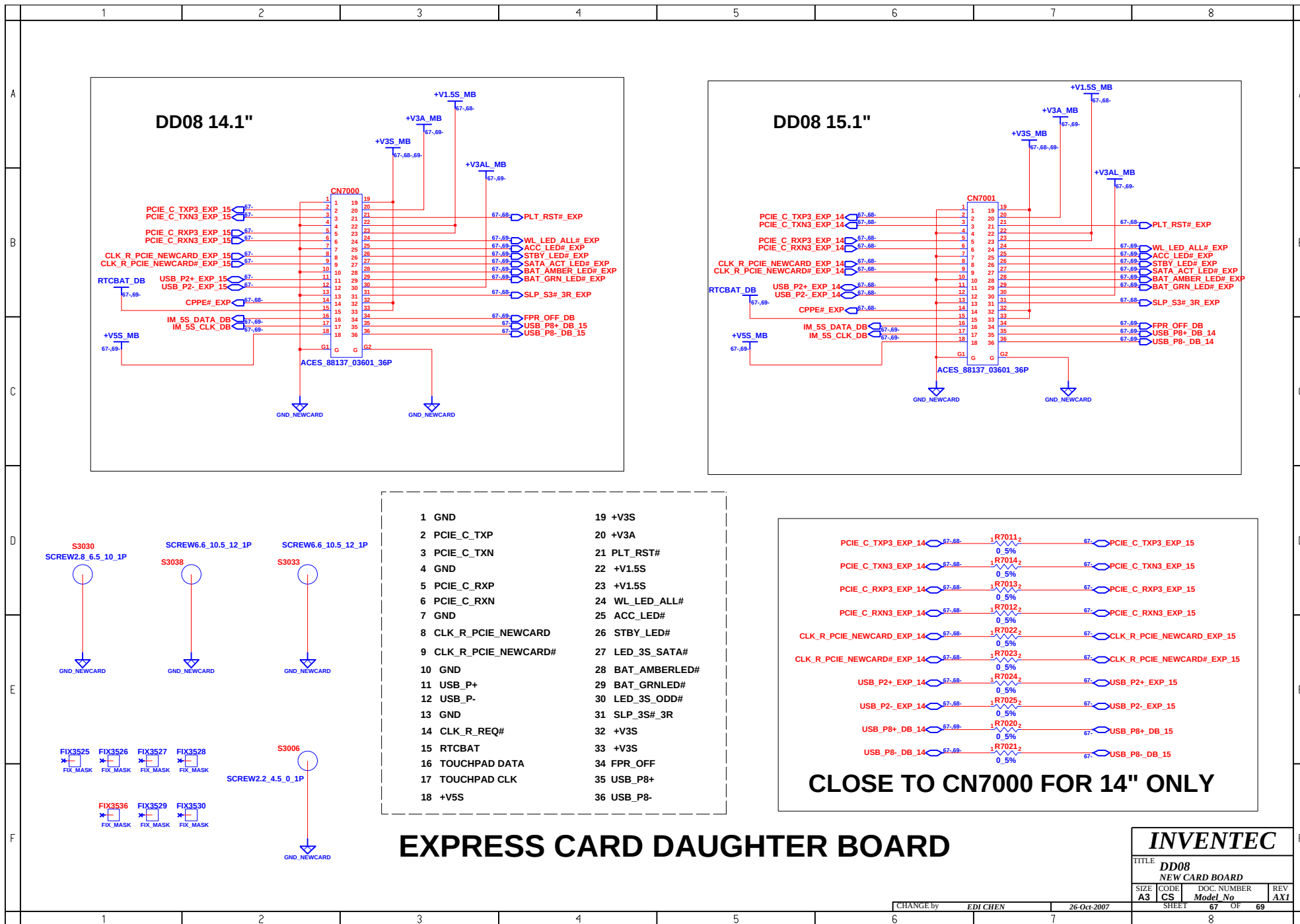
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1

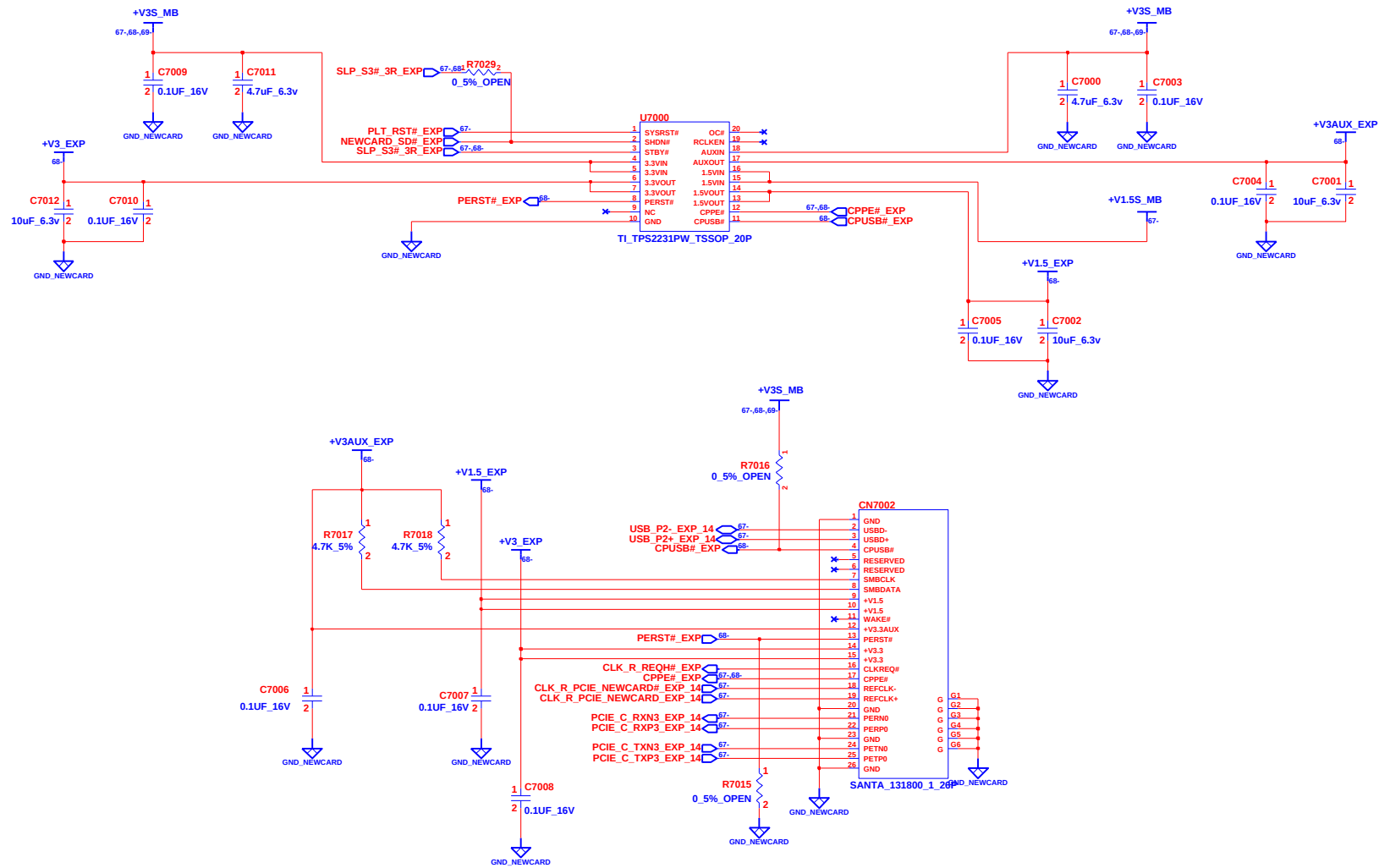
CHANGE by: EDI CHEN 26-Oct-2007

SHEET 66 OF 69



CHANGE by		EDI CHEN	26-Oct-2007	AS	CS	Model No	AXI
				SHEET		66	OF 69
6	7		8				





EXPRESS CARD DAUGHTER BOARD

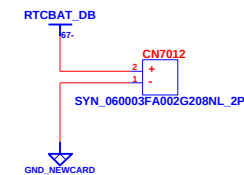
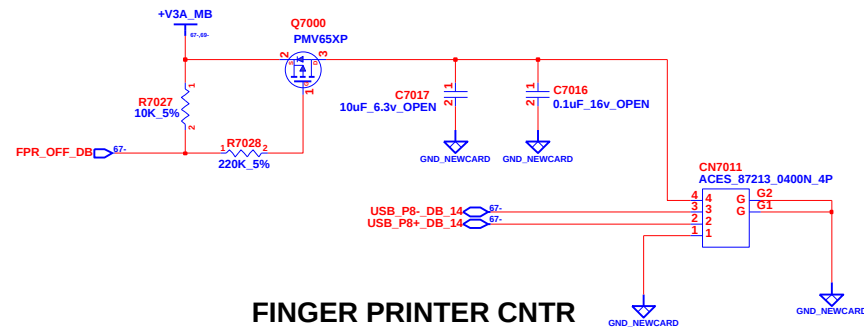
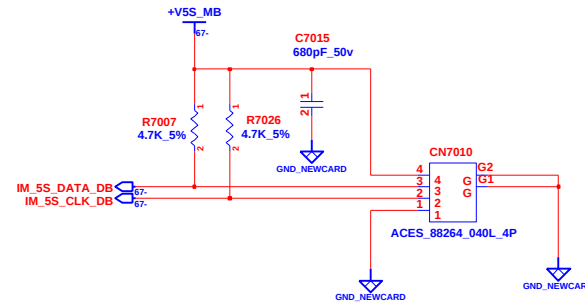
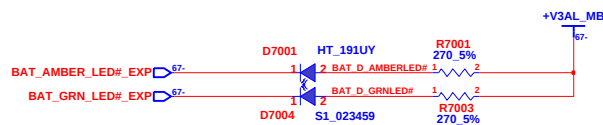
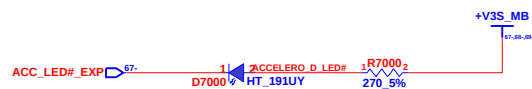
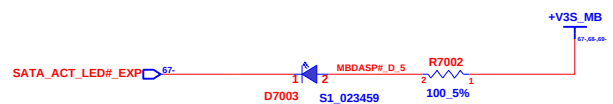
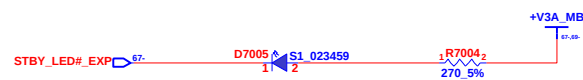
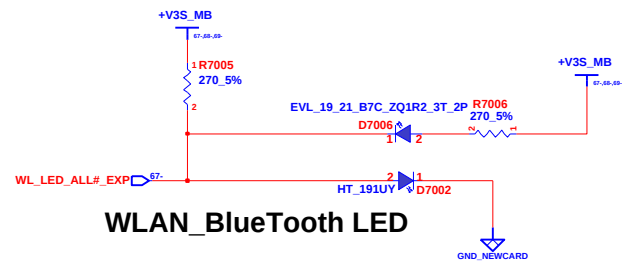
INVENTEC

TITLE			
DD08 NEW CARD CNTR			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1

CHANGE by EDI CHEN 26-Oct-2007

SHEET 68 OF 69

EXPRESS CARD DAUGHTER BOARD



INVENTEC			
TITLE DD08 LED SIGNAL			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AX1
CHANGE by EDI CHEN		26-Oct-2007	
SHEET 69		OF 69	