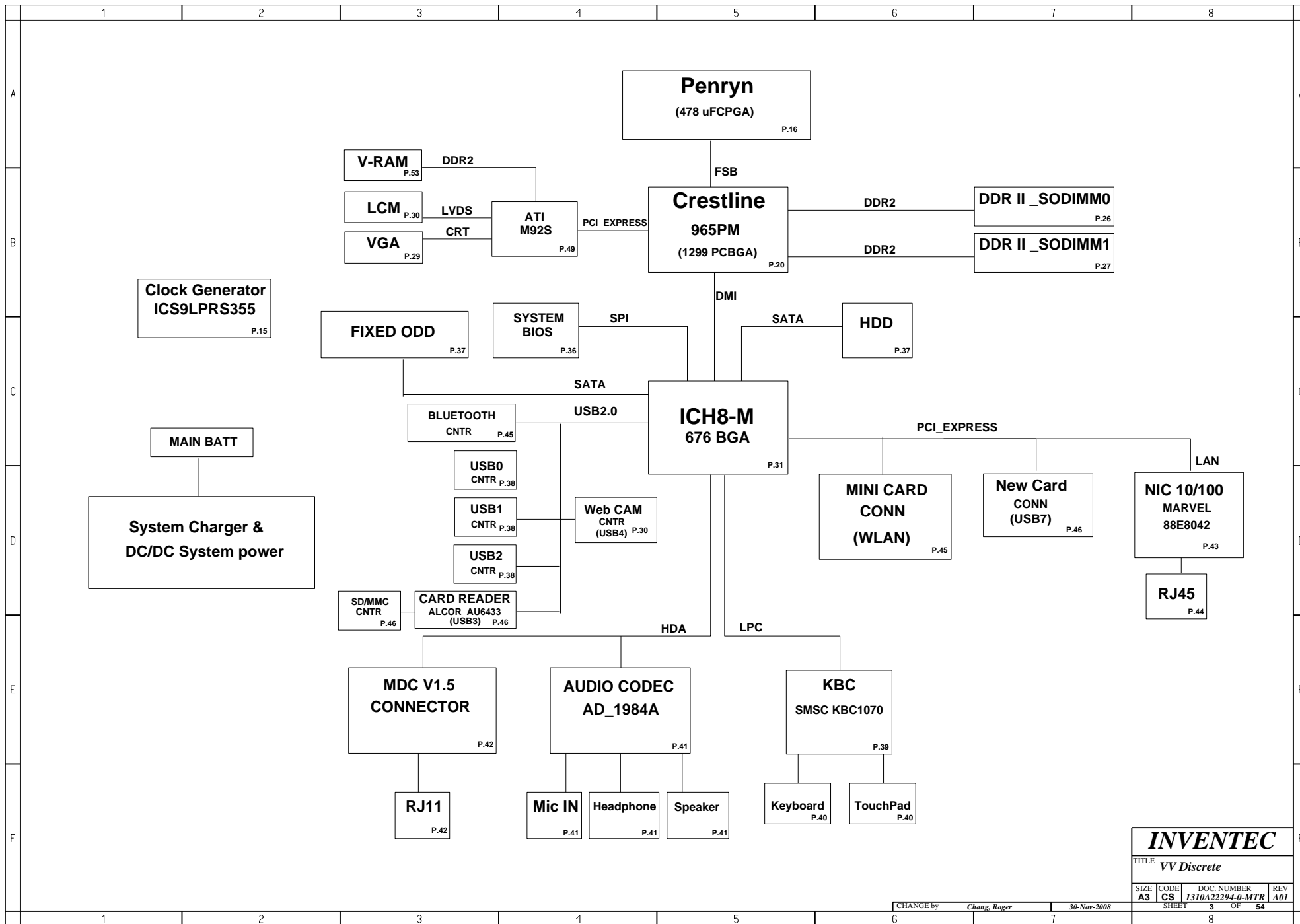


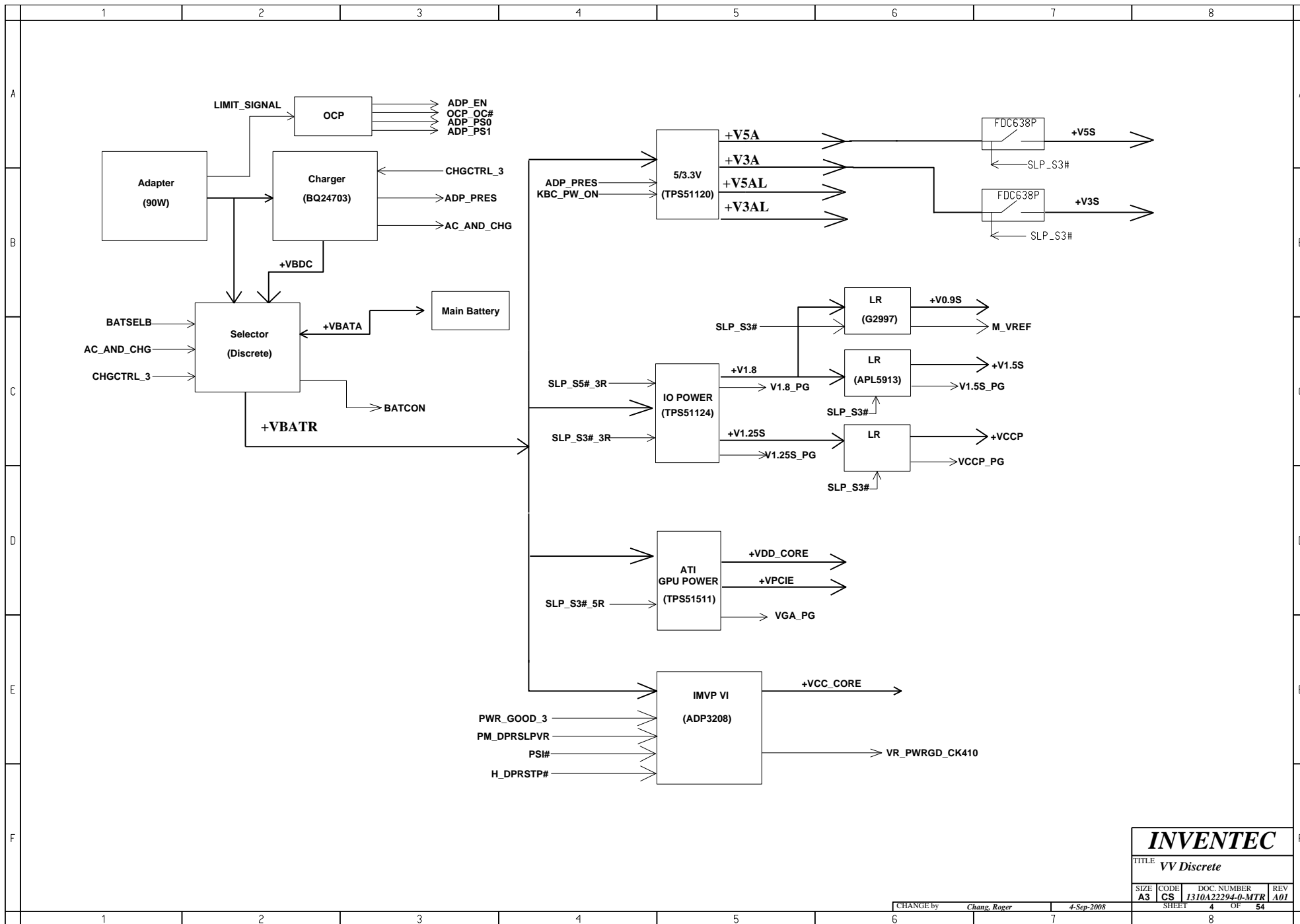
	1	2	3	4	5	6	7	8	
A	<div>TABLE OF CONTENTS</div>								A
B	PAGE		PAGE		PAGE				B
	5- DC& BATTERY CHARGER		15- CLOCK_GENERATOR		36- SYSTEM BIOS&ODD Extend/B				
	6- SELECT & BATTERY CONN		16- PENRYN-1		37- HDD&ODD CONN				
	7- SYSTEM POWER(3V/5V)		17- PENRYN-2		38- USB CONN				
	8- SYSTEM POWER(+V1.8/+V1.25S)		18- PENRYN-3		39- KBC				
	9- GRAPHIC POWER(+VGFX_CORE)		19- THERMAL&FAN CONTROLLER		40- KB&TP CONN				
C	10- SYSTEM POWER(+VCCP/+V1.5S)		20- Crestline-1		41- AUDIO CODEC				
	11- CPU POWER(VCC_CORE)		21- Crestline-2		42- MDC CONN & AUDIO JACK				
	12- DDR TERMINATION VOLTAGE		22- Crestline-3		43- NIC 10/100- CONTROLLER				C
	13- POWER(SLEEP)		23- Crestline-4		44- NIC 10/100- RJ45 CONN				
	14- POWER(SEQUENCE)		24- Crestline-5		45- MINICARD CONN & BLUETOOTH				
D			25- Crestline-6		46- NEW CARD & SD/MMC				
			26- DDR2-DIMM0		47- LED & BUTTON				
			27- DDR2-DIMM1		48- SCREW				
			28- DDR2-DAMPING		49- ATI M92S-1				D
			29- VGA CONN		50- ATI M92S-2				
			30- LCM CONN		51- ATI M92S-3				
			31- ICH8-1		52- ATI M92S-4				
E			32- ICH8-2		53- VIDEO RAM-1				
			33- ICH8-3		54- VIDEO RAM-2				
			34- ICH8-4						
			35- ICH8-5						E
F									F
CHANGE by						Chang, Roger	30-Nov-2008		
SIZE						A3	CODE	CS	DOC. NUMBER
SHEET						2	OF	54	REV
									A01

INVENTEC

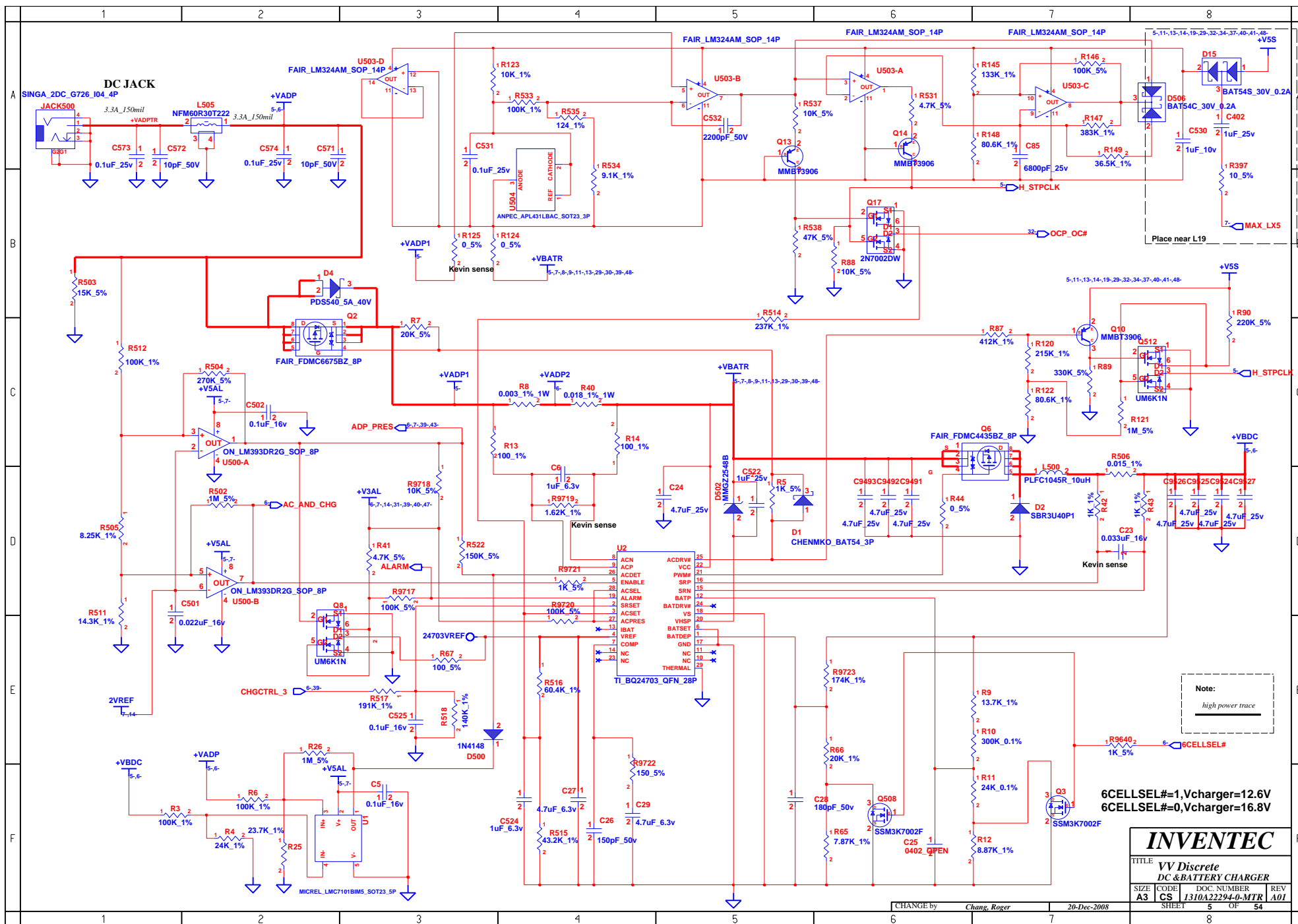
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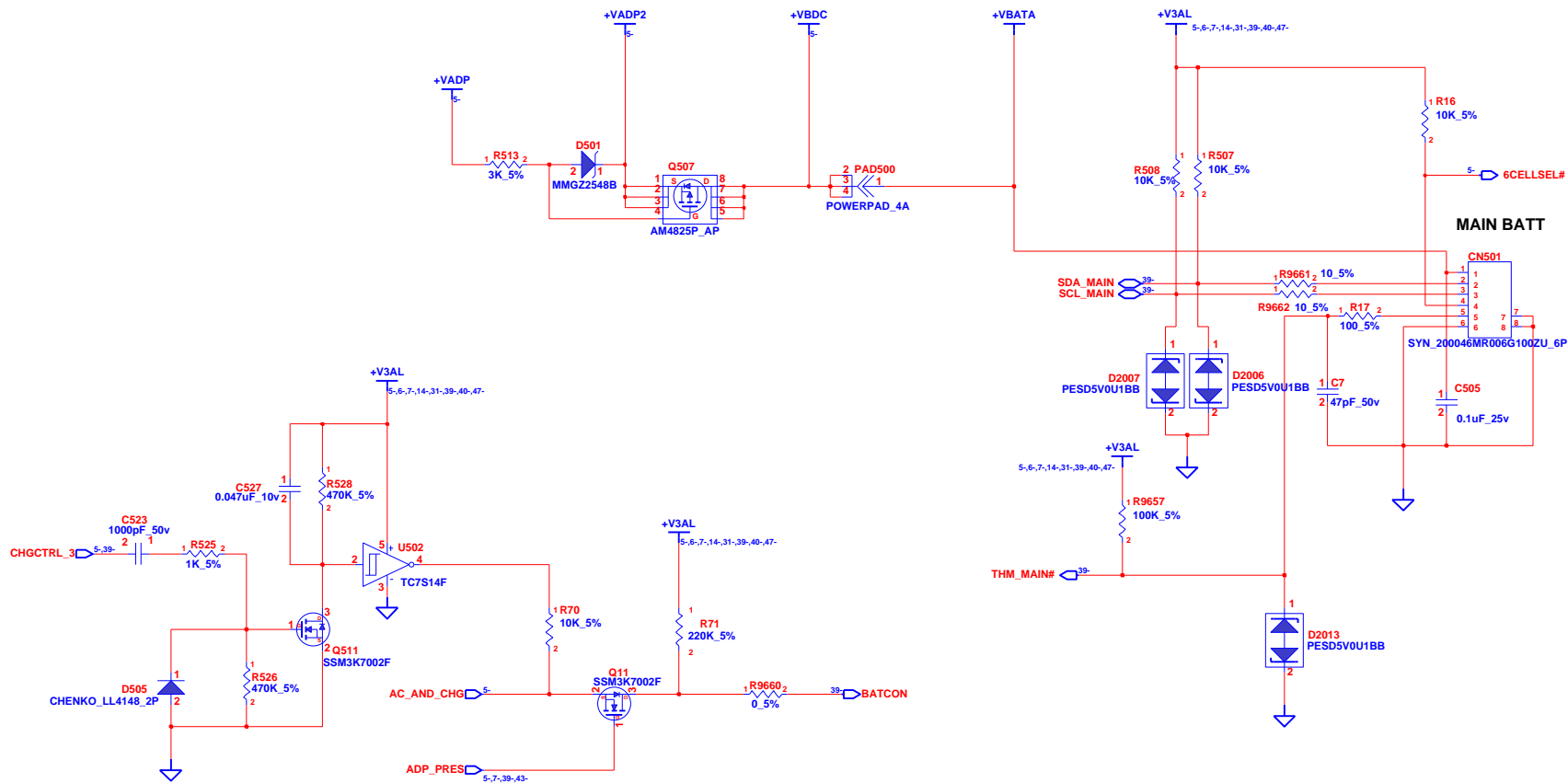
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A3	CS	1310A22294-0-MTR	A01





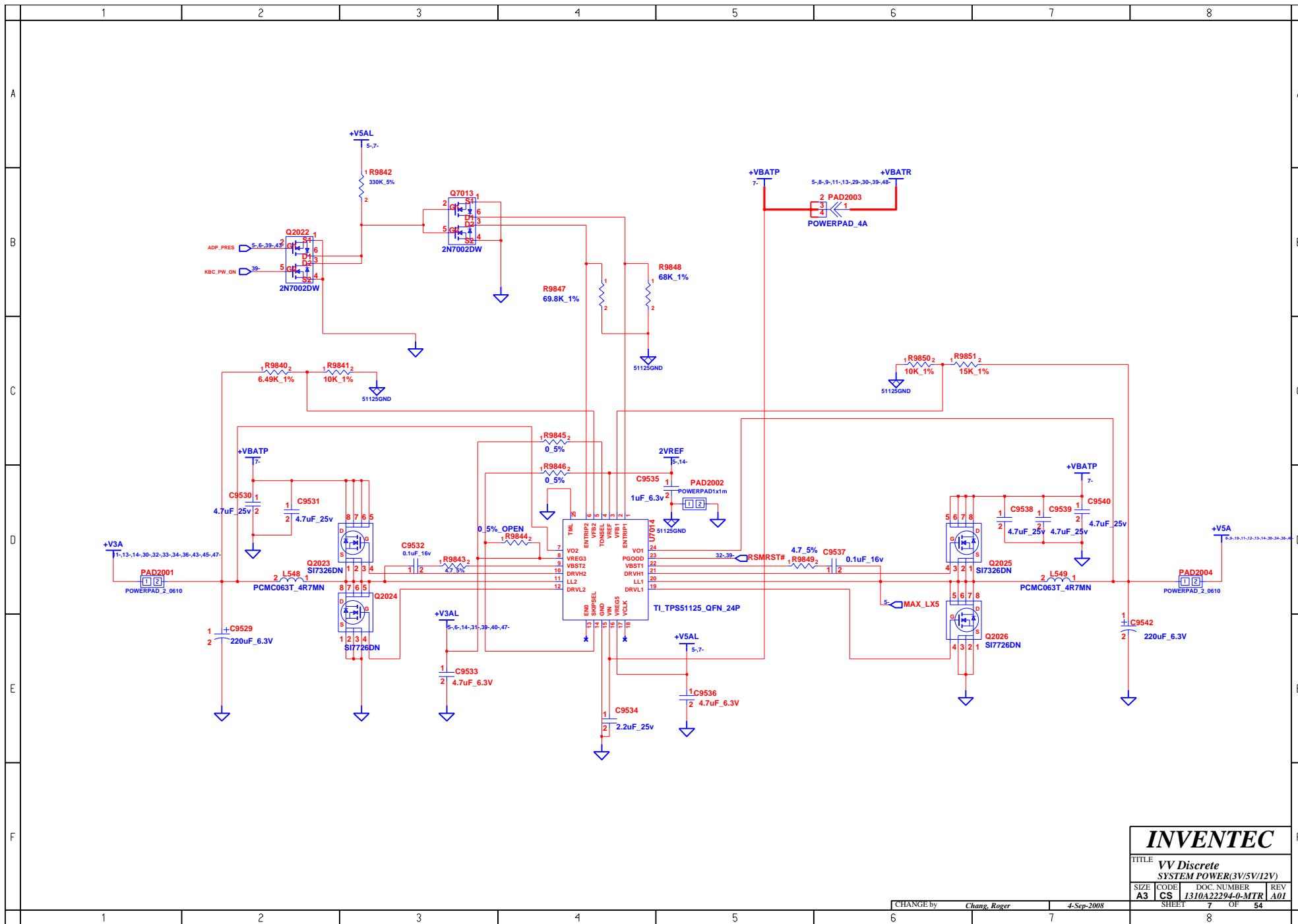
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SIZE A3	CODE CS	DOC. NUMBER 1310A22294-0-MTR	REV A01
CHANGE by Chang, Roger		4-Sep-2008	
SHEET 4		OF 54	





INVENTEC			
TITLE VV Discrete SELECT & BATTERY CONN			
SIZE A3	CODE CS	DOC NUMBER 1310A22294-0-MTR	REV A01
SHEET 6		OF 54	

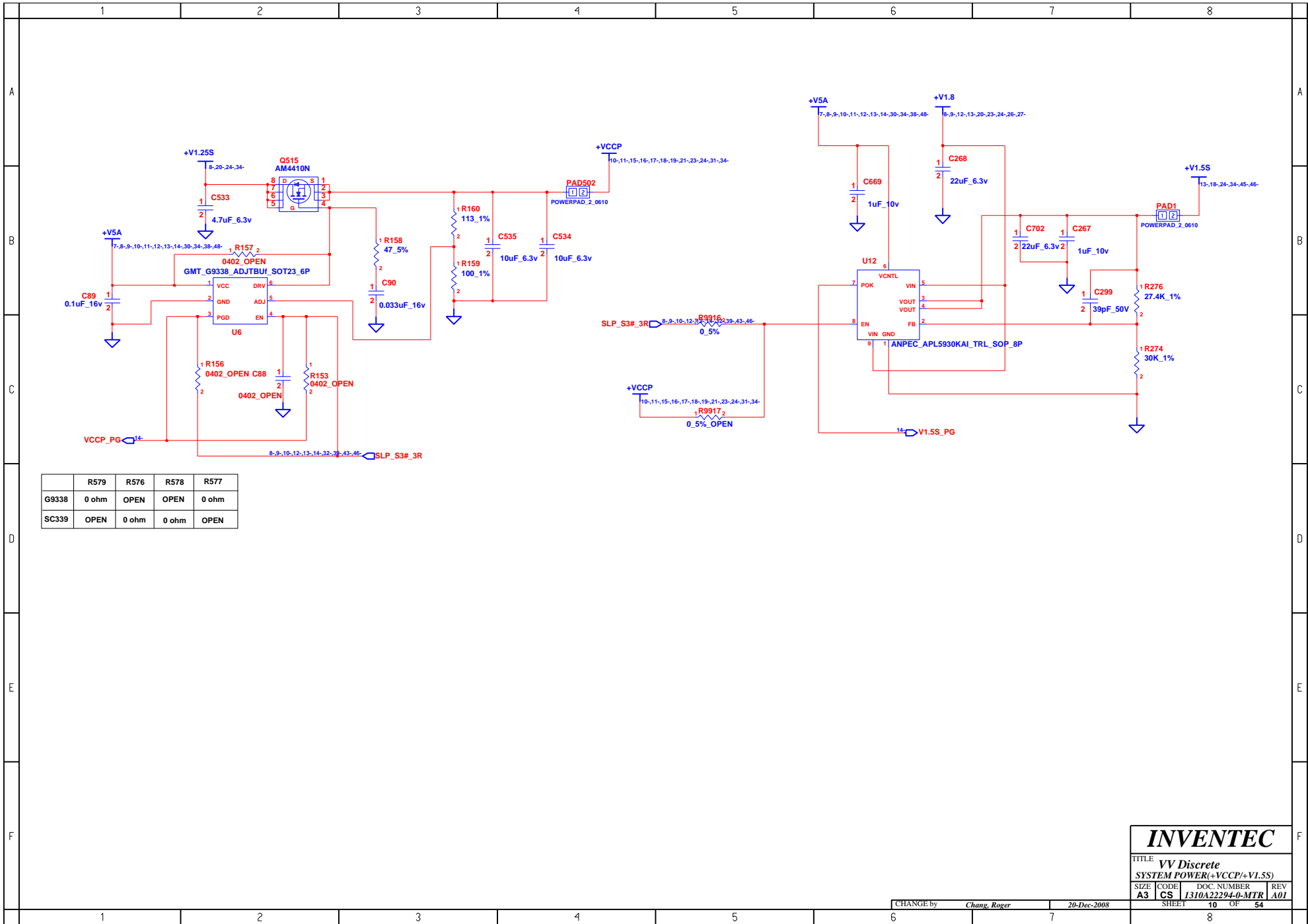
CHANGE by Chang, Roger 20-Dec-2008

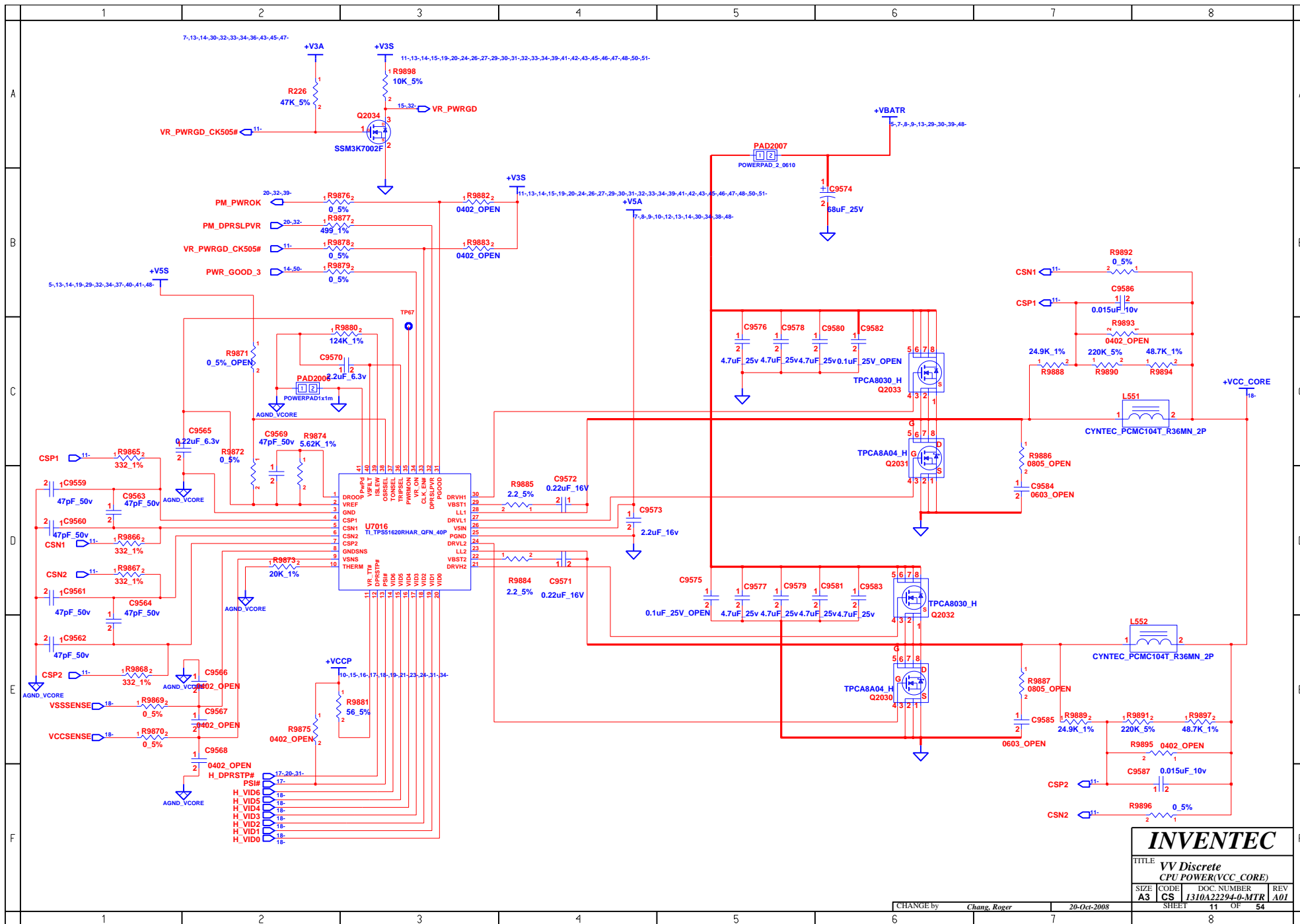


INVENTEC

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SHEET 7		OF 54	

CHANGE by Chang, Roger 4-Sep-2008

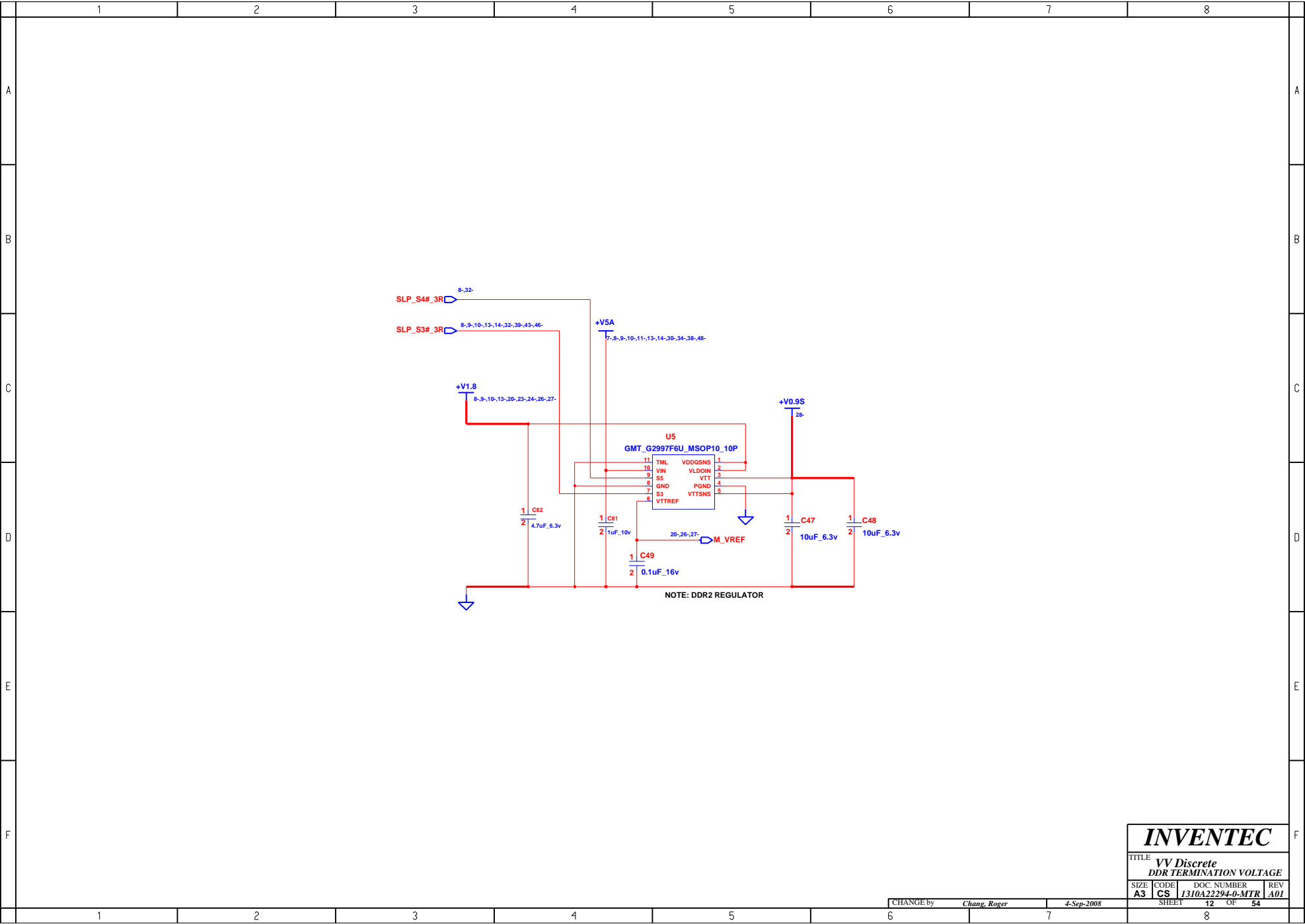


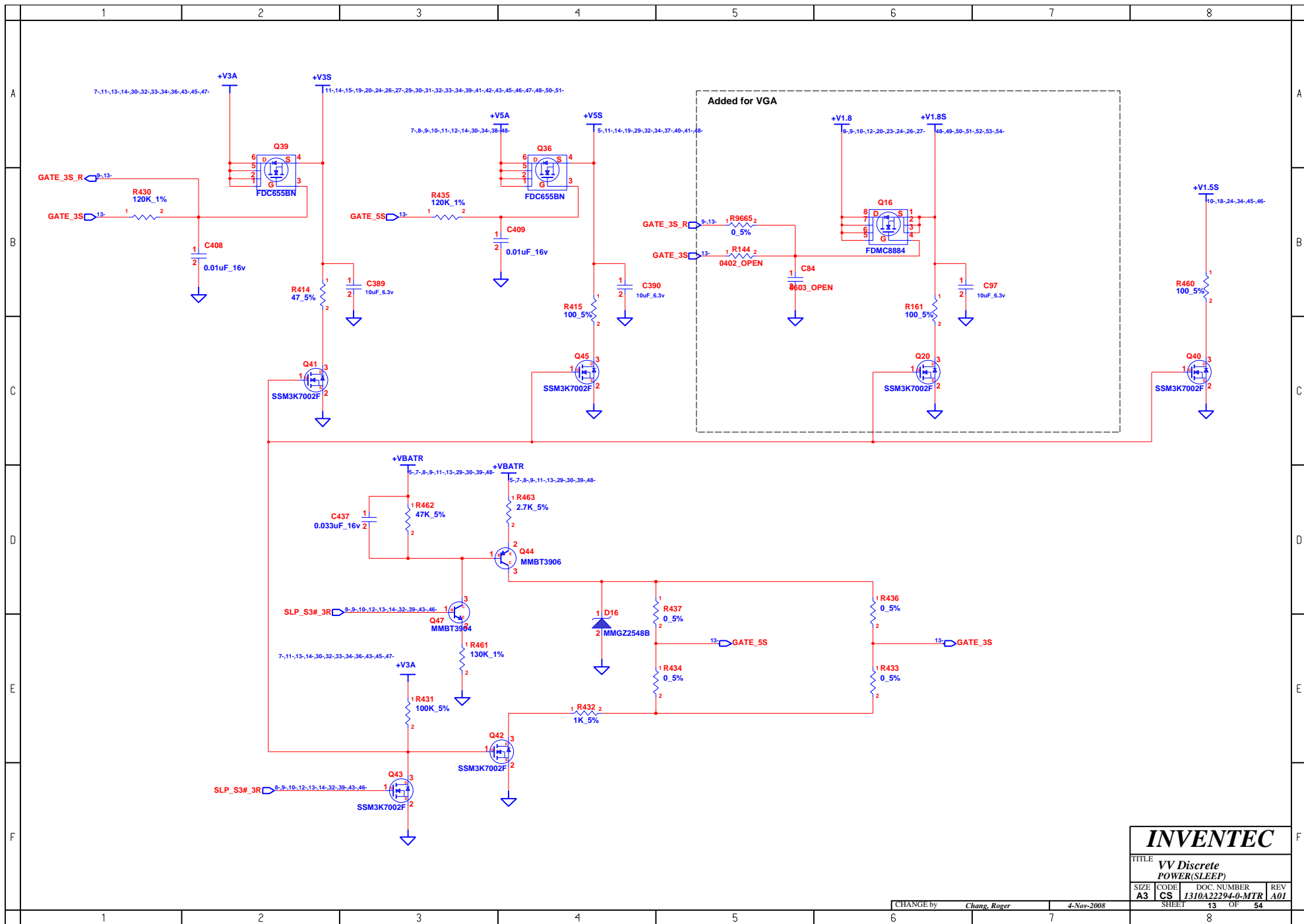


INVENTEC

TITLE VV Discrete CPU POWER(VCC_CORE)			
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SHEET 11		OF 54	

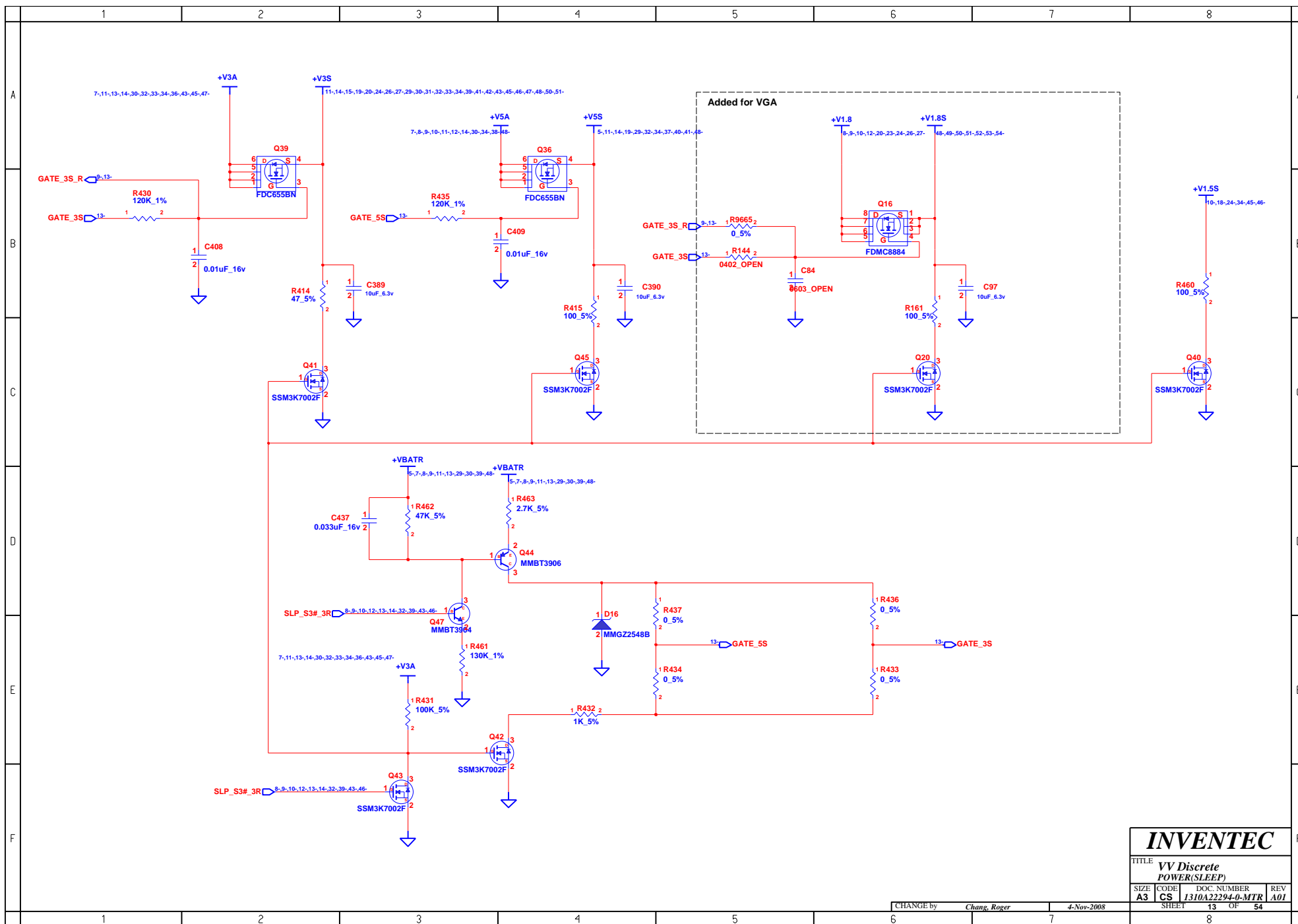
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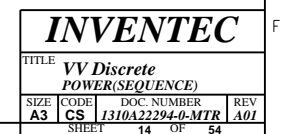
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CHANGE by Chang, Roger		4-Nov-2008	
SHEET 13		OF 54	

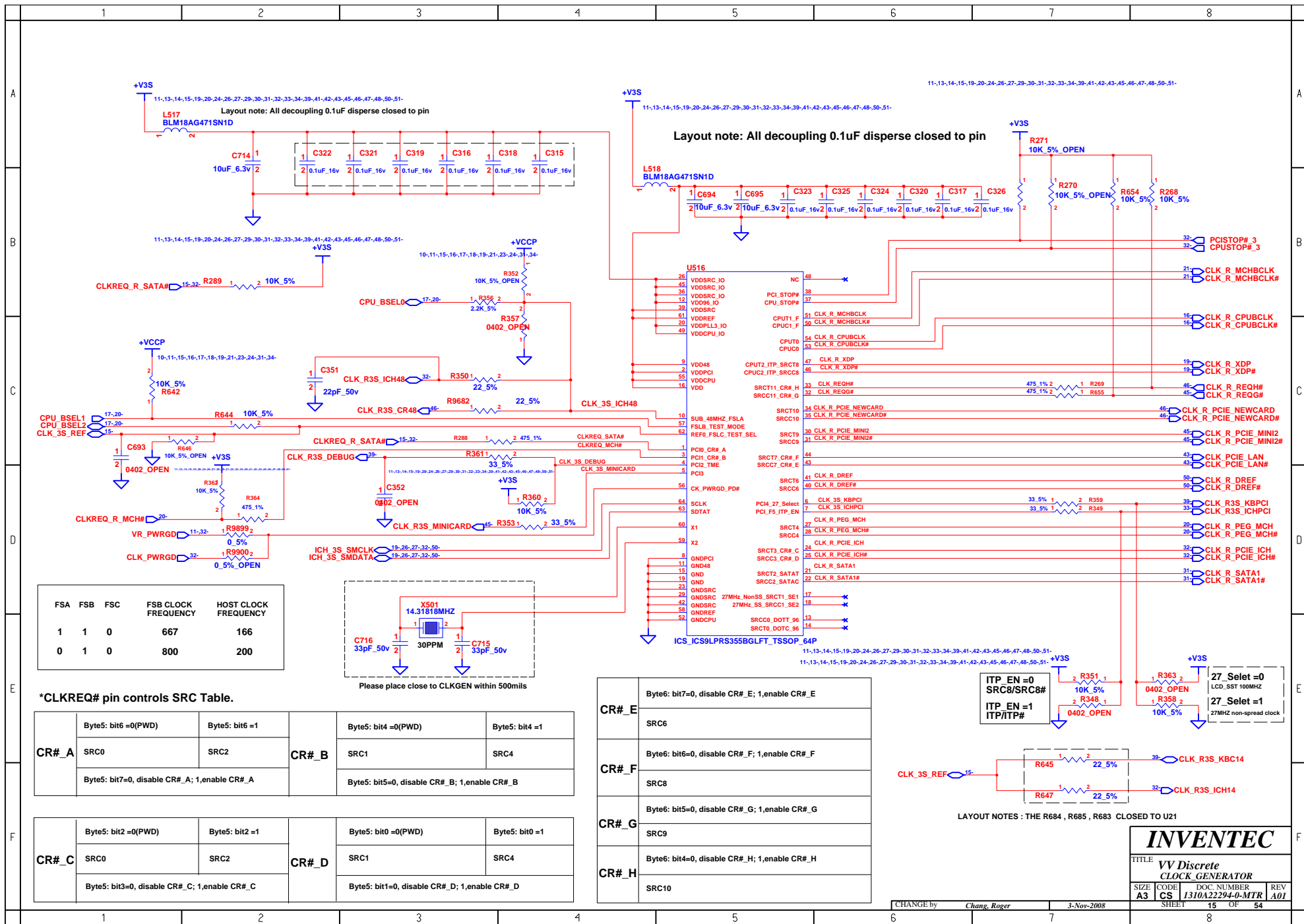


INVENTEC

TITLE VV Discrete POWER(SLEEP)			
SIZE A3	CODE CS	DOC. NUMBER 1310A22294-0-MTR	REV A01
CHANGE by Chang, Roger		4-Nov-2008	
SHEET 13		OF 54	



CHANGE by	<i>Chang, Roger</i>	<i>4-Nov-2008</i>
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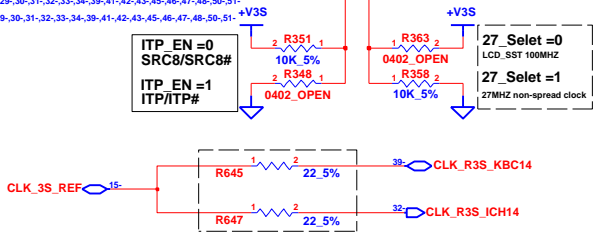
FSA	FSB	FSC	FSB CLOCK FREQUENCY	HOST CLOCK FREQUENCY
1	1	0	667	166
0	1	0	800	200

*CLKREQ# pin controls SRC Table.

CR#_A	Byte5: bit6 =0(PWD)	Byte5: bit6 =1	CR#_B	Byte5: bit4 =0(PWD)	Byte5: bit4 =1
	SRC0	SRC2		SRC1	SRC4
Byte5: bit7=0, disable CR#_A; 1,enable CR#_A			Byte5: bit5=0, disable CR#_B; 1,enable CR#_B		

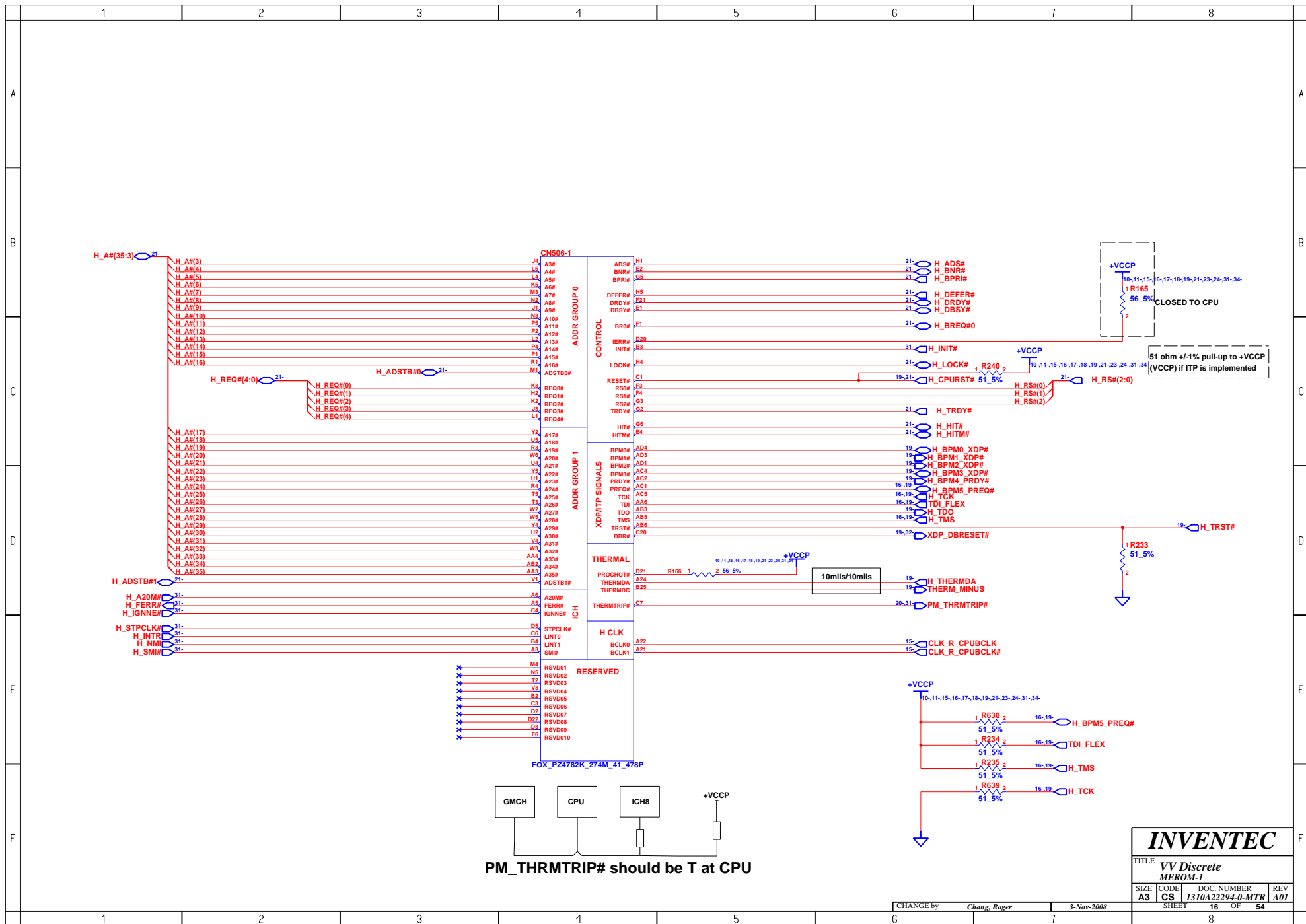
CR#_C	Byte5: bit2 =0(PWD)	Byte5: bit2 =1	CR#_D	Byte5: bit0 =0(PWD)	Byte5: bit0 =1
	SRC0	SRC2		SRC1	SRC4
Byte5: bit3=0, disable CR#_C; 1,enable CR#_C			Byte5: bit1=0, disable CR#_D; 1,enable CR#_D		

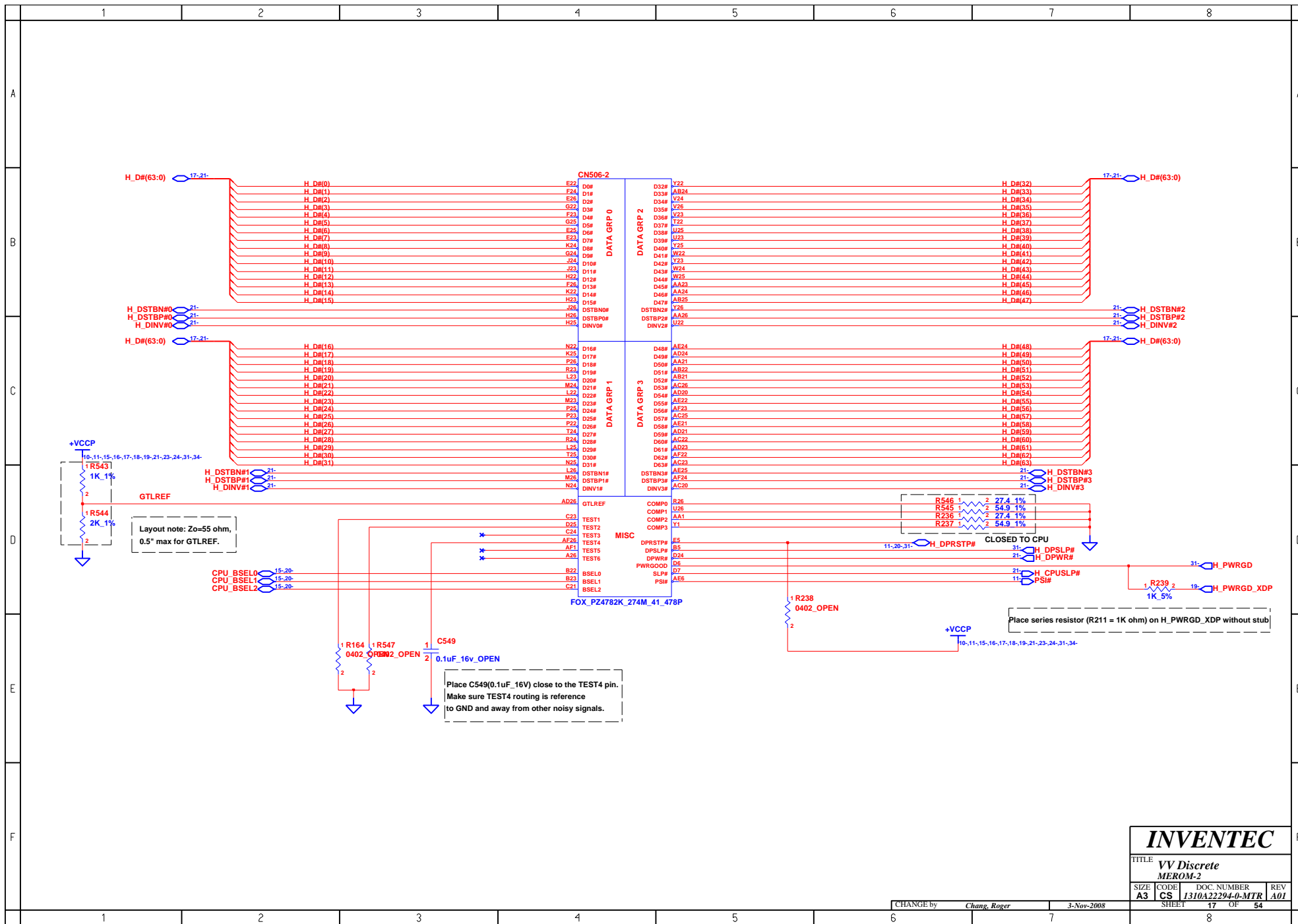
CR#_E	Byte6: bit7=0, disable CR#_E; 1,enable CR#_E
SRC6	
CR#_F	Byte6: bit6=0, disable CR#_F; 1,enable CR#_F
SRC8	
CR#_G	Byte6: bit5=0, disable CR#_G; 1,enable CR#_G
SRC9	
CR#_H	Byte6: bit4=0, disable CR#_H; 1,enable CR#_H
SRC10	



LAYOUT NOTES : THE R684 , R685 , R683 CLOSED TO U21

INVENTEC			
TITLE VV Discrete			
CLOCK GENERATOR			
SIZE A3	CODE CS	DOC NUMBER 1310A22294-0-MTR	REV A01
SHEET 15		OF 54	



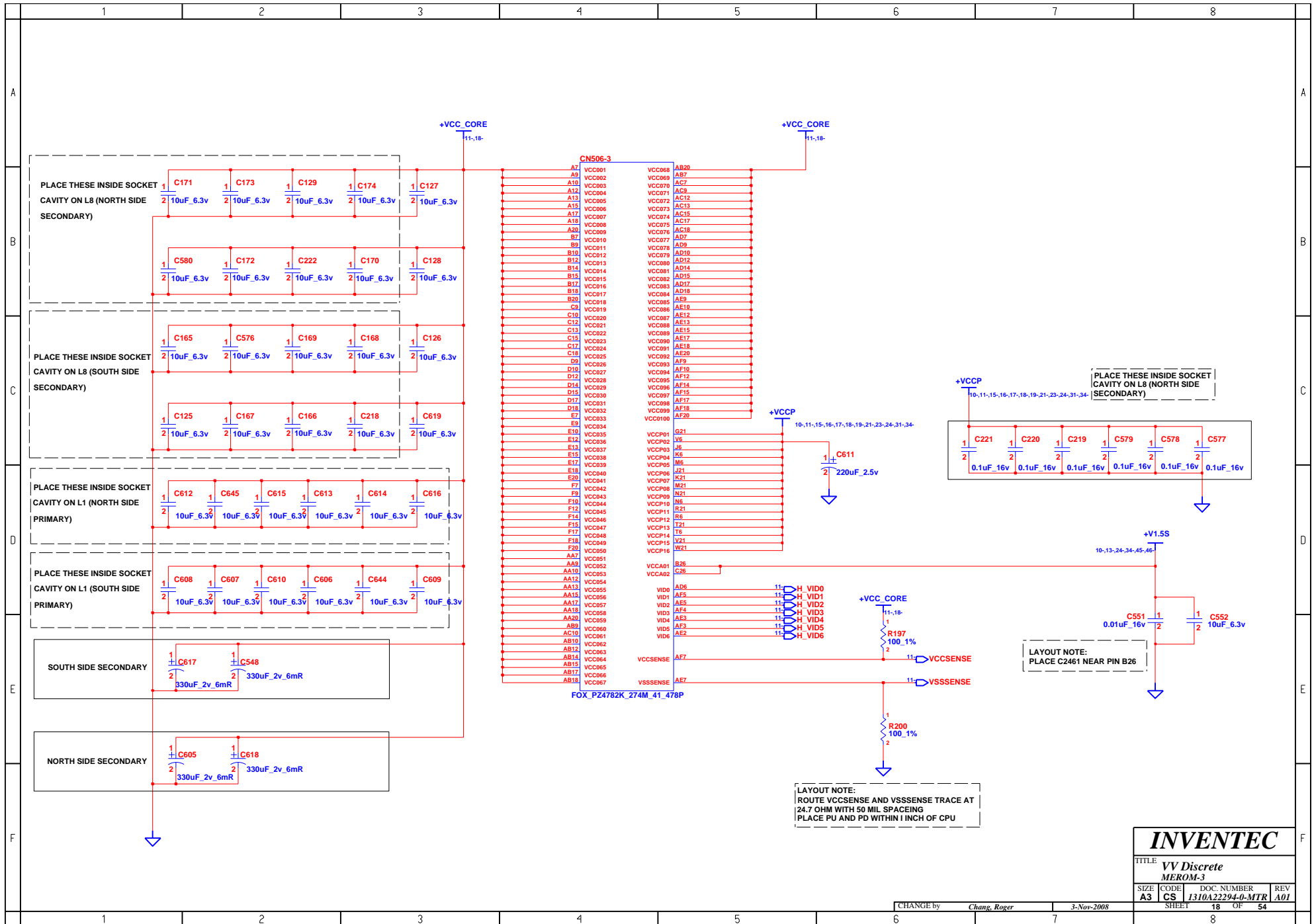


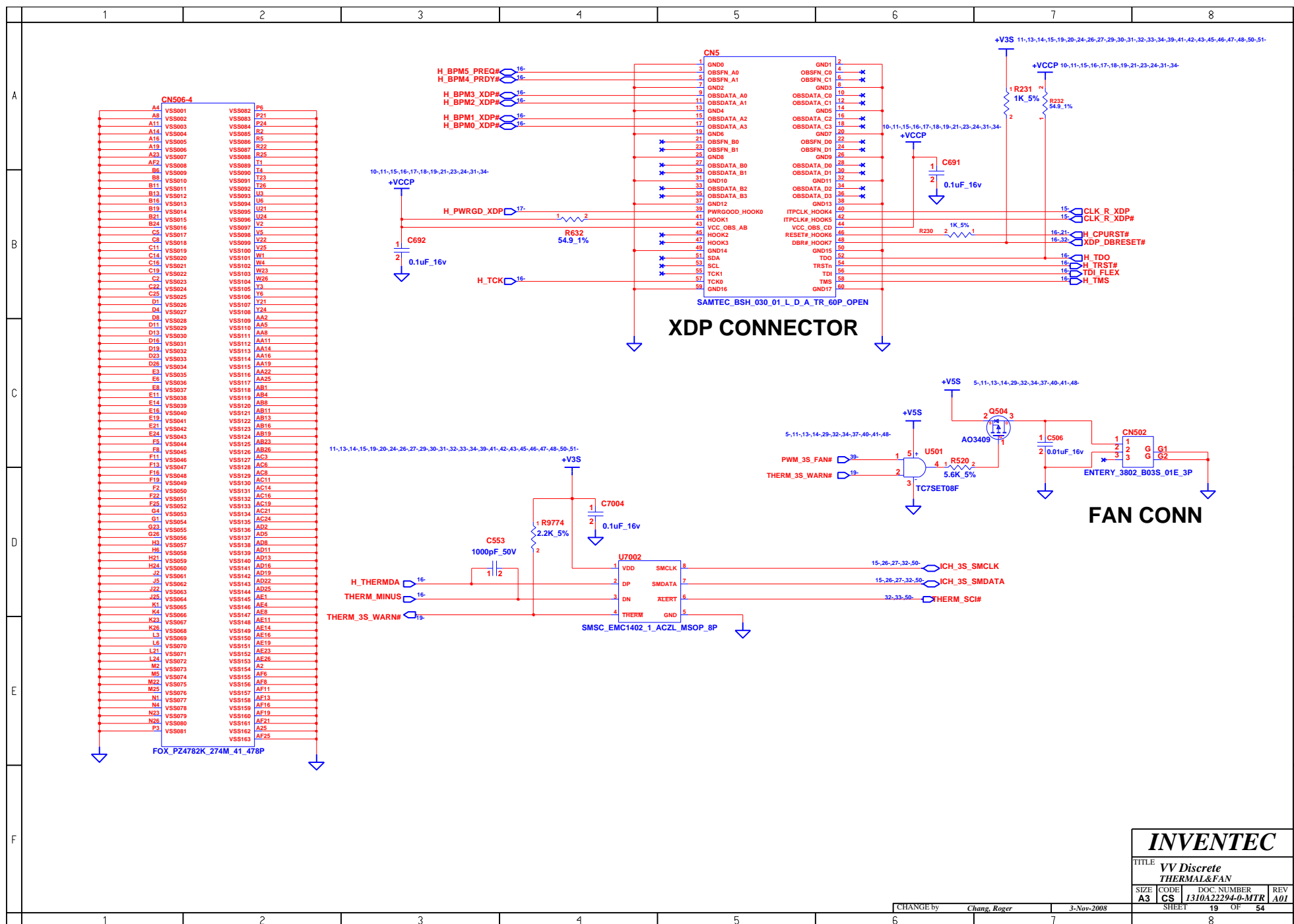
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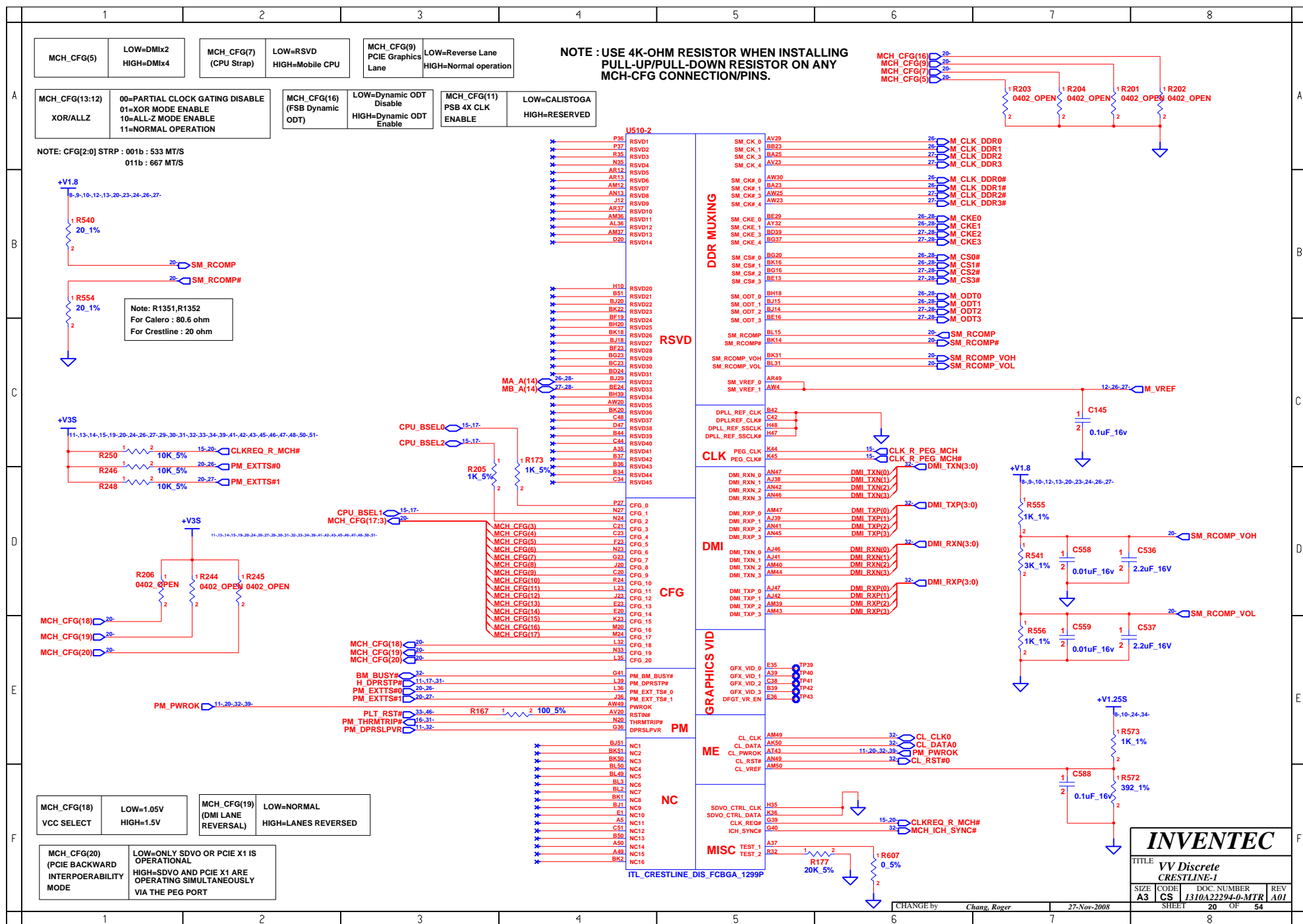
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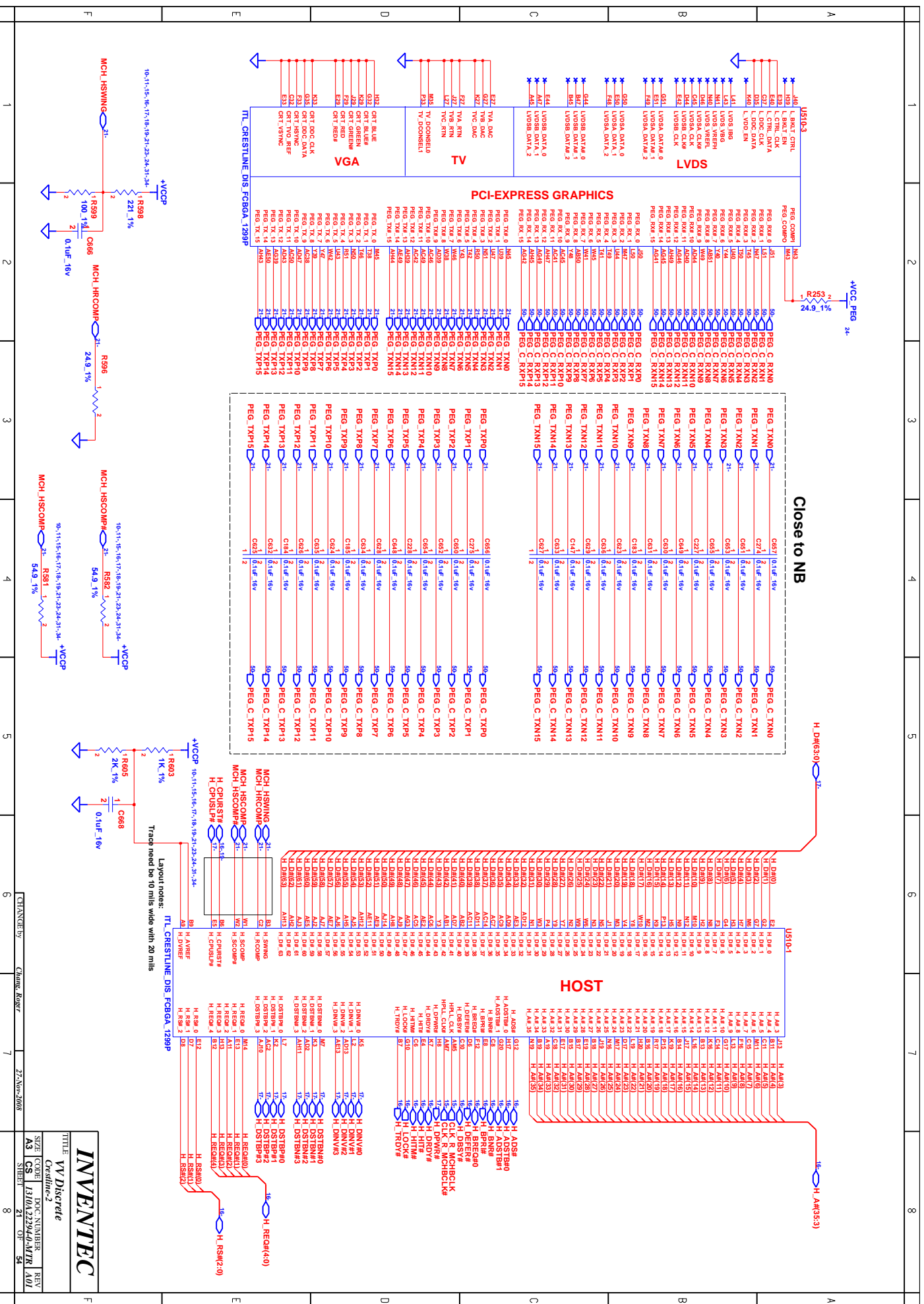
CHANGE by: Chang, Roger 3-Nov-2008

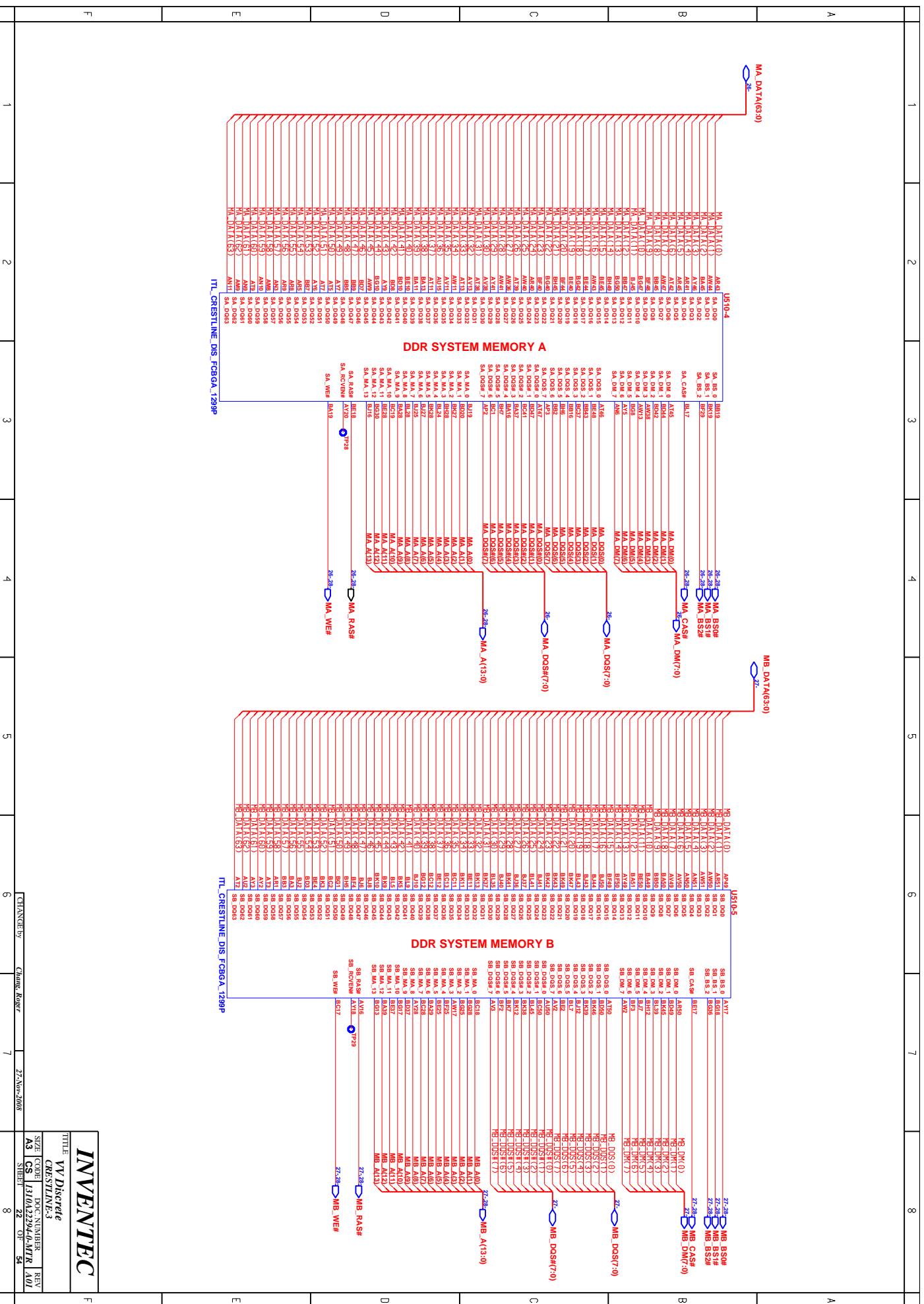
SHEET 17 OF 54

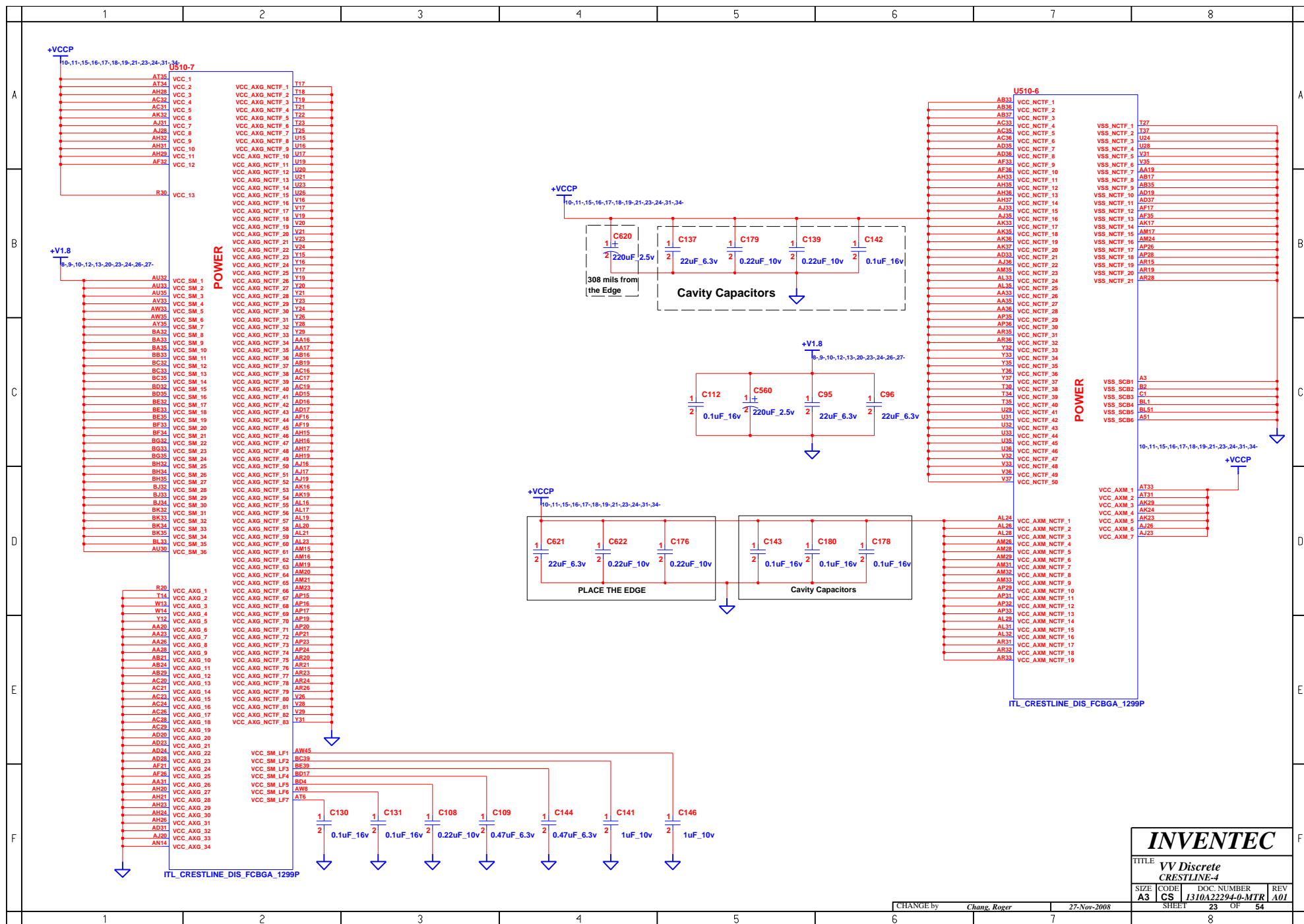


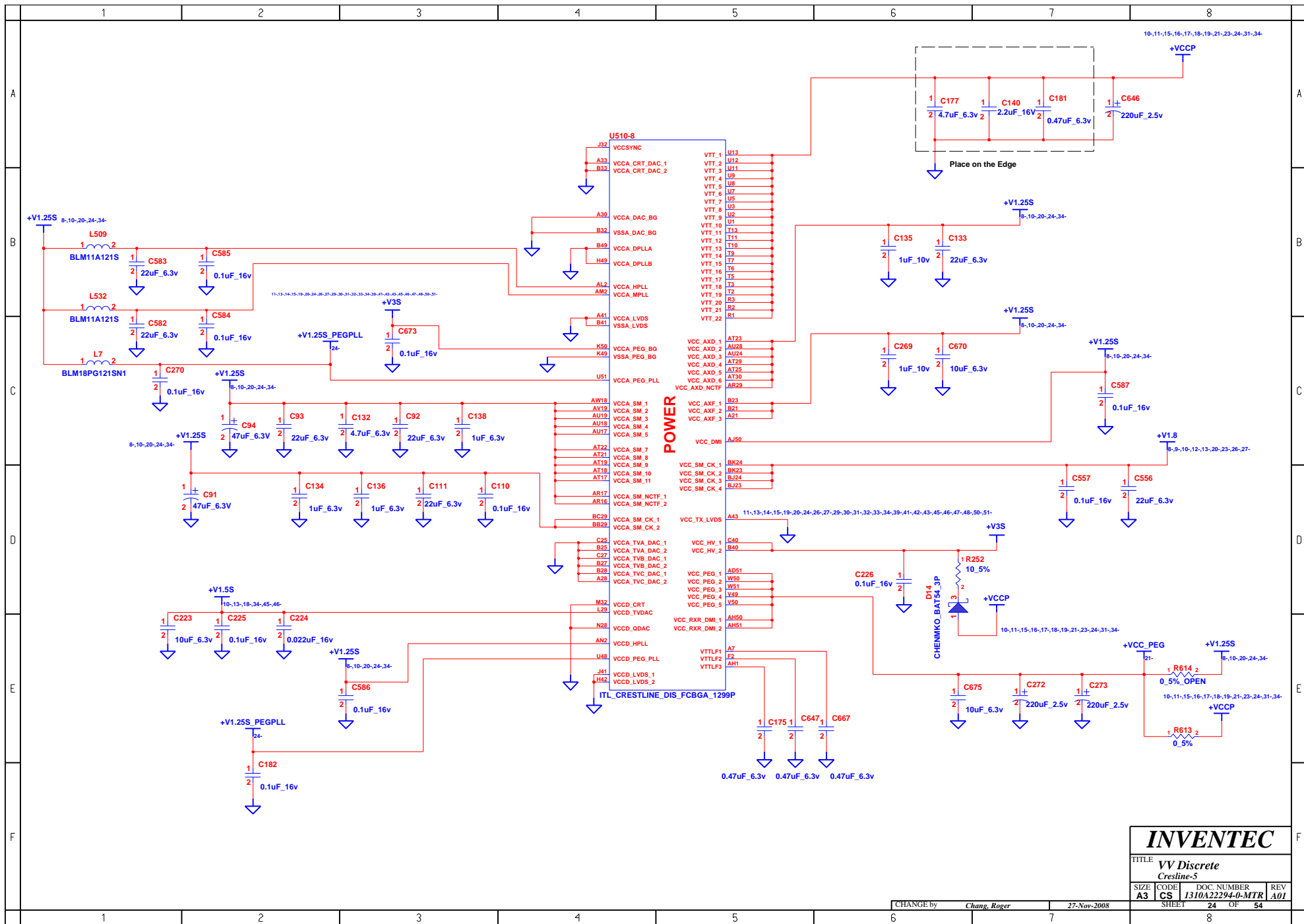










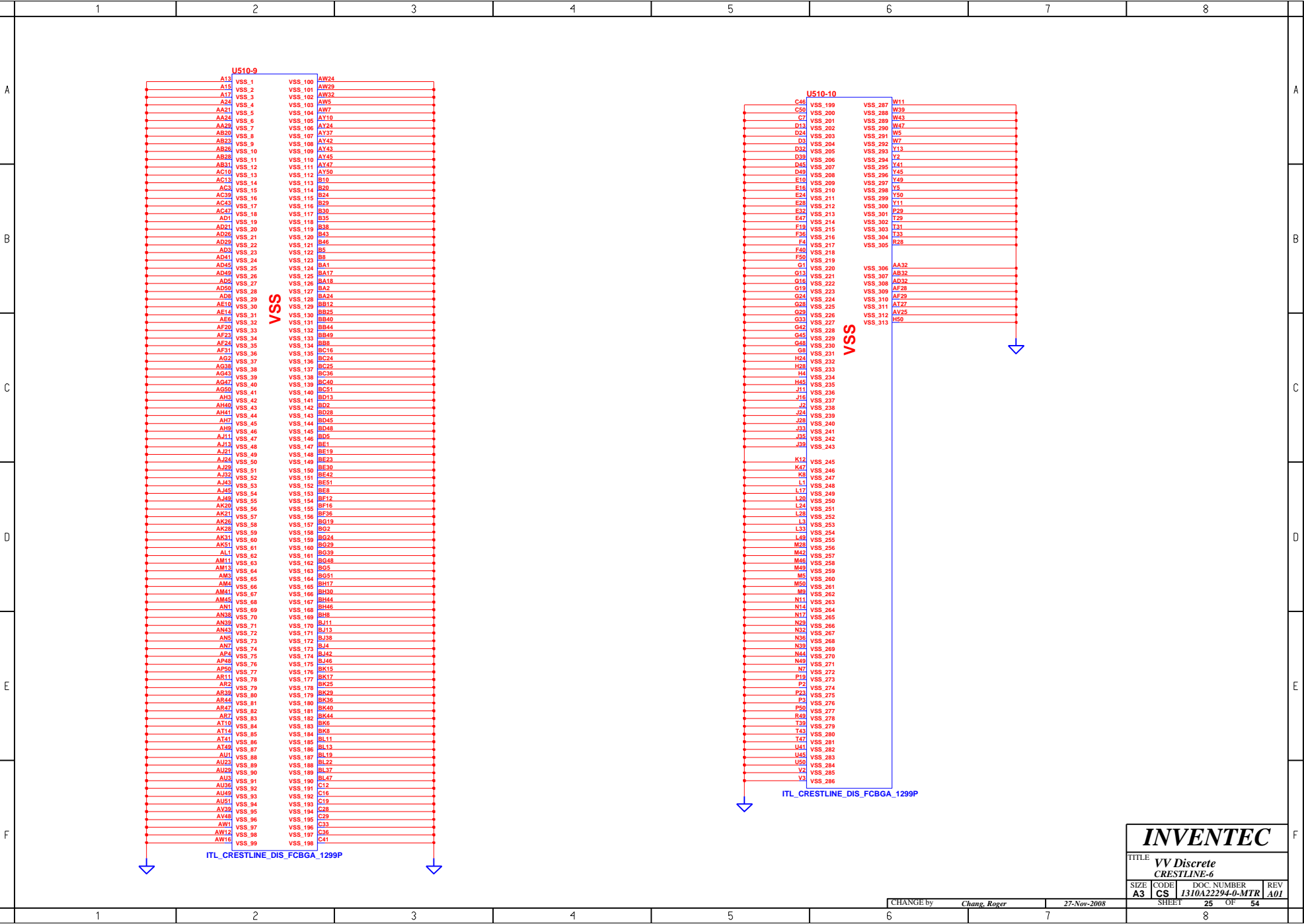


INVENTEC

TITLE			
VV Discrete			
Cresline-5			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22294-0-MTR	A01

CHANGE by	Chang, Roger	27-Nov-2008
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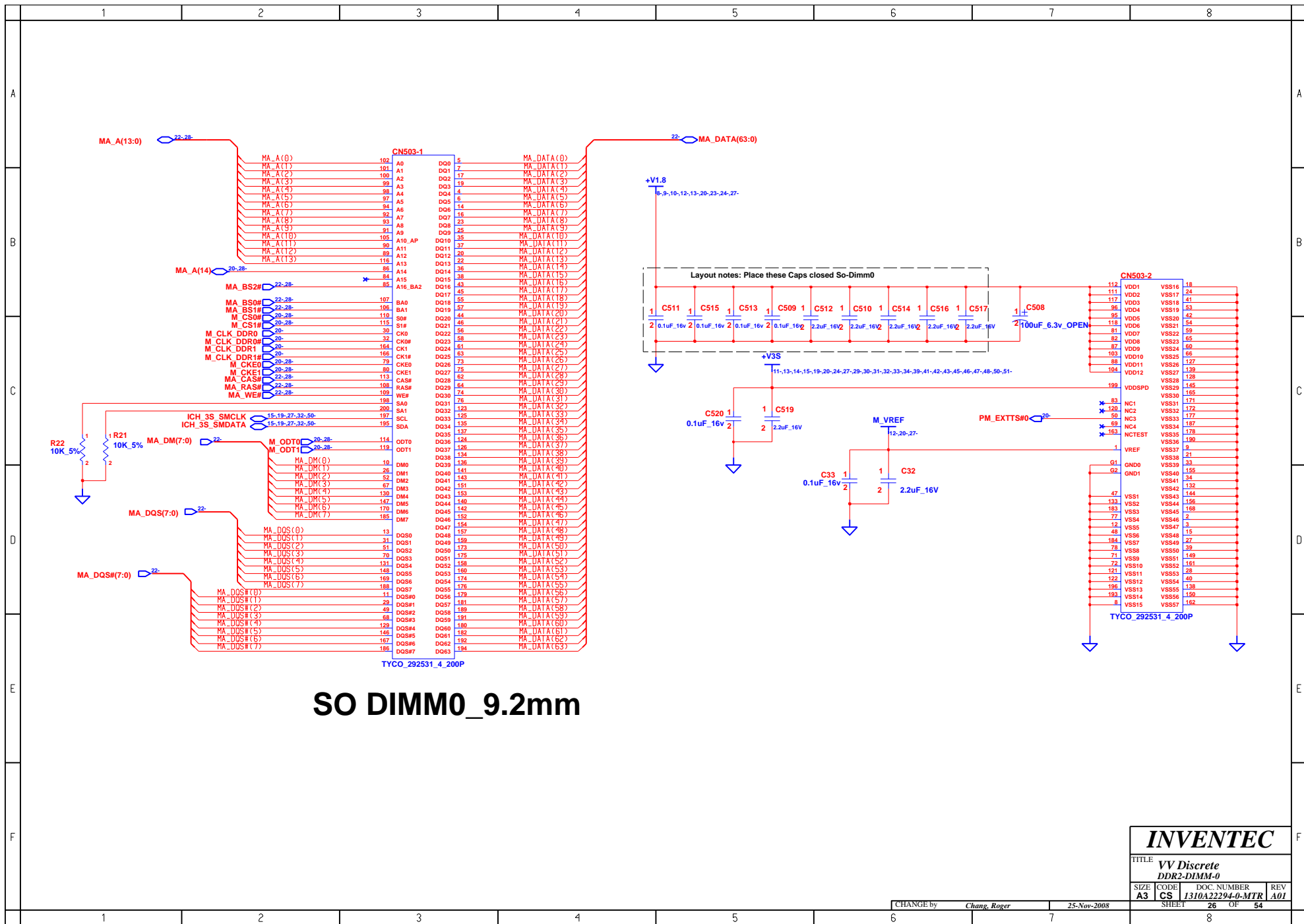
SHEET	24	OF	54
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INVENTEC

TITLE VV Discrete CRESTLINE-6			
SIZE A3	CODE CS	DOC. NUMBER 1310A22294-0-MTR	REV A01
SHEET 25		OF 54	

CHANGE by Chang, Roger 27-Nov-2008



SO DIMM0_9.2mm

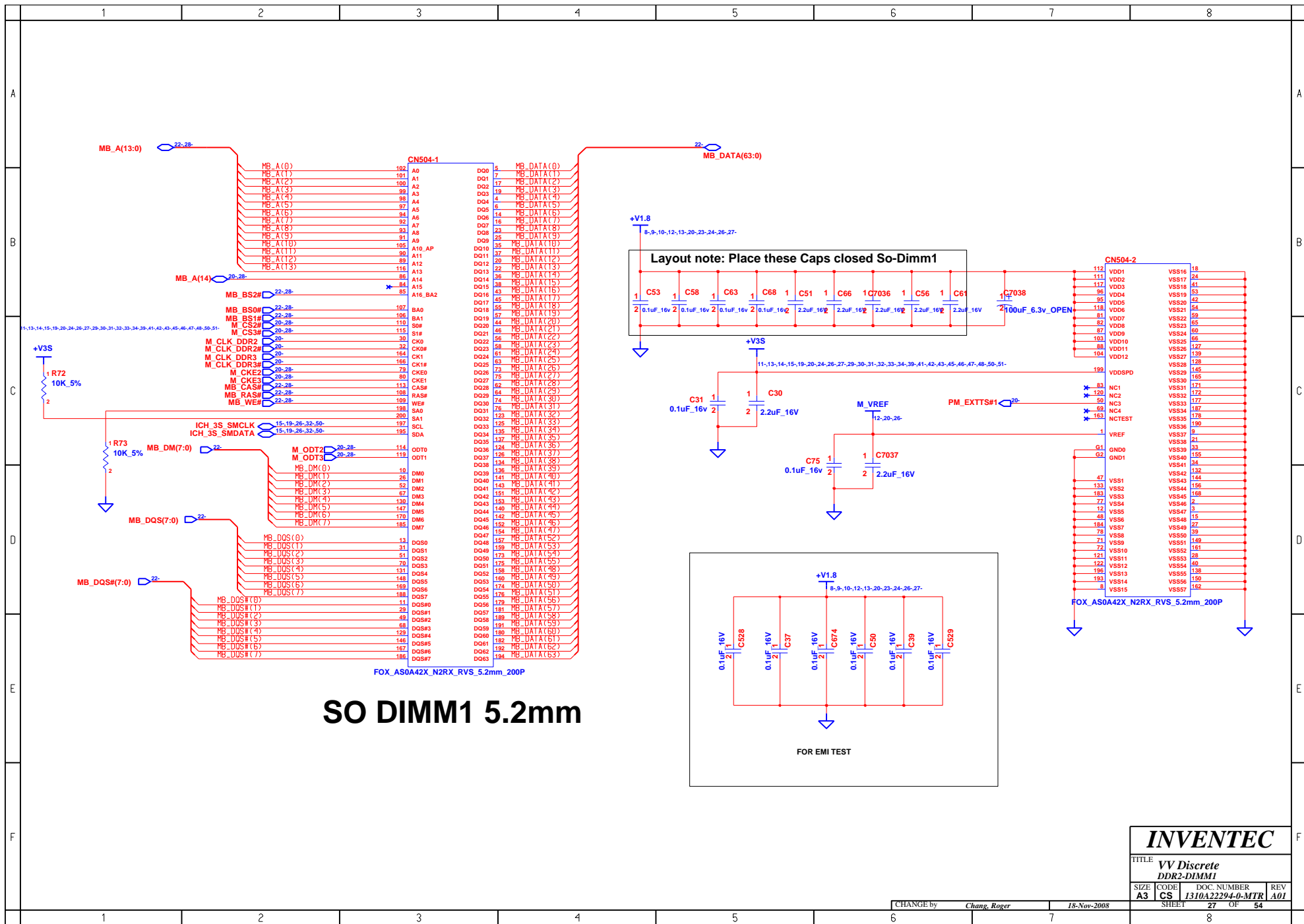
INVENTEC

TITLE
VV Discrete
DDR2-DIMM-0

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22294-0-MTR	A01

CHANGE by Chang, Roger 25-Nov-2008

SHEET 26 OF 54



SO DIMM1 5.2mm

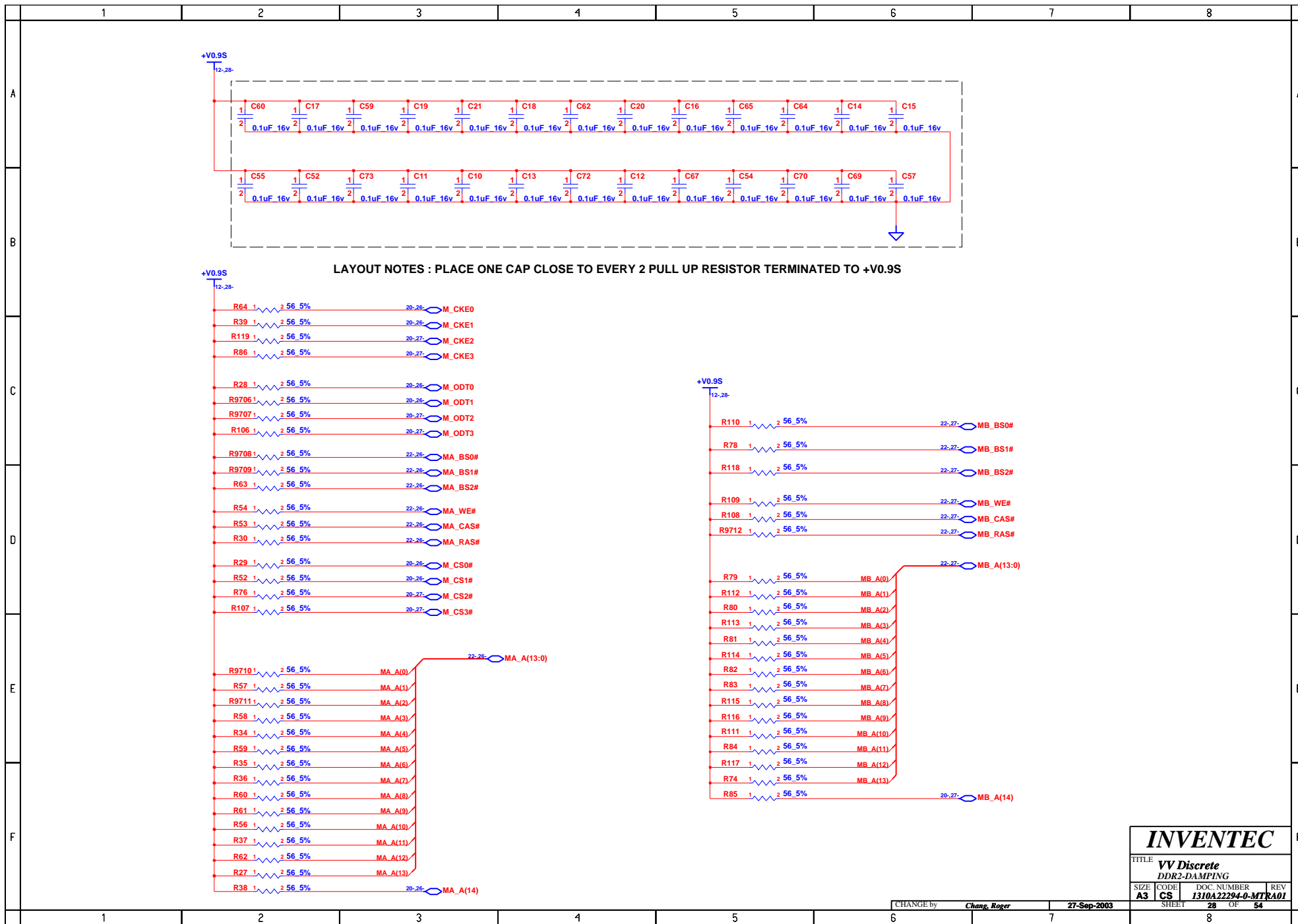
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TITLE: **VV Discrete
DDR2-DIMM1**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22294-0-MTR	A01

CHANGE by: *Chang, Roger* 18-Nov-2008

SHEET	OF
27	54

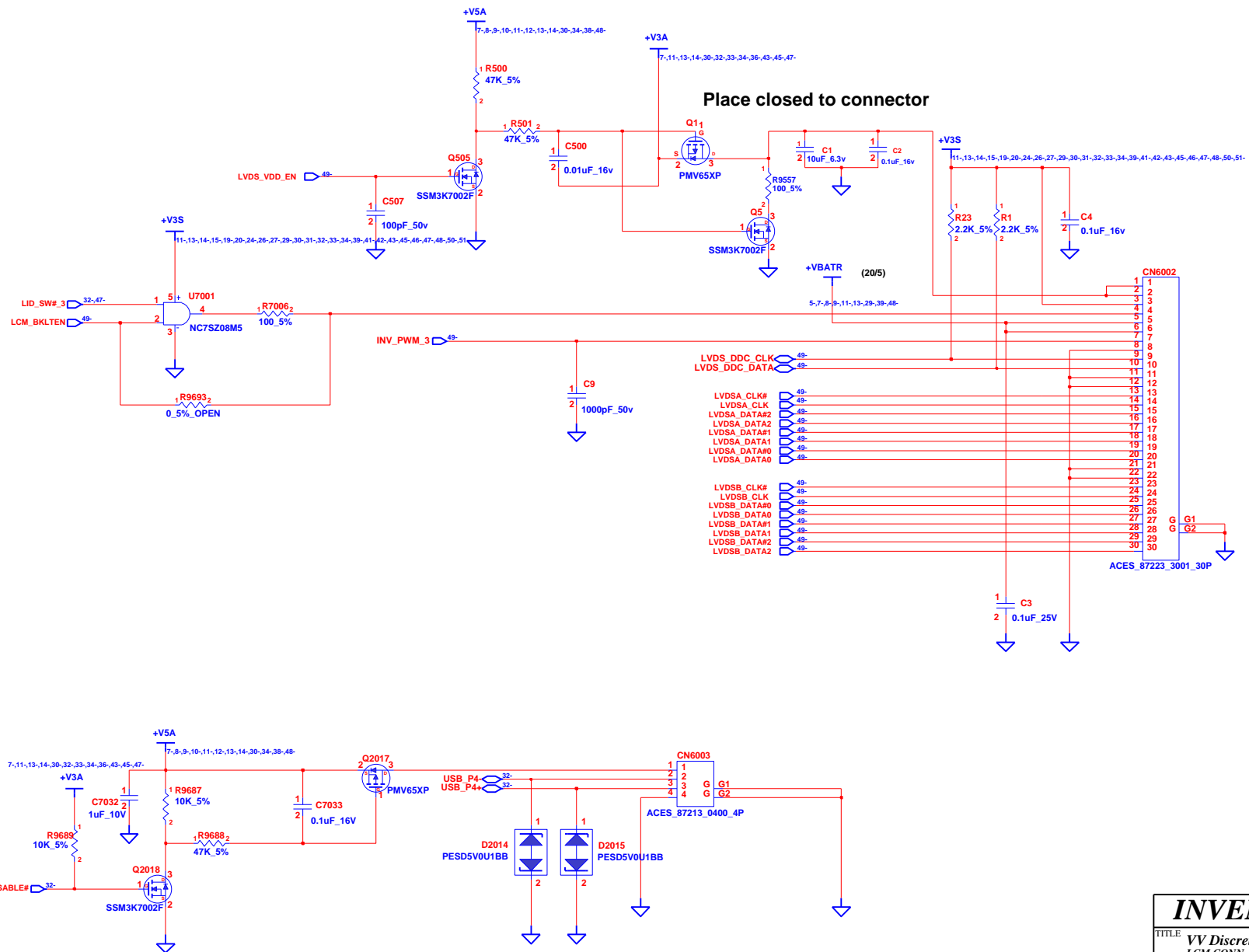


INVENTEC

TITLE
**VV Discrete
DDR2-DAMPING**

SIZE A3	CODE CS	DOC. NUMBER 1310A22294-0-MTRA01
SHEET 28		OF 54

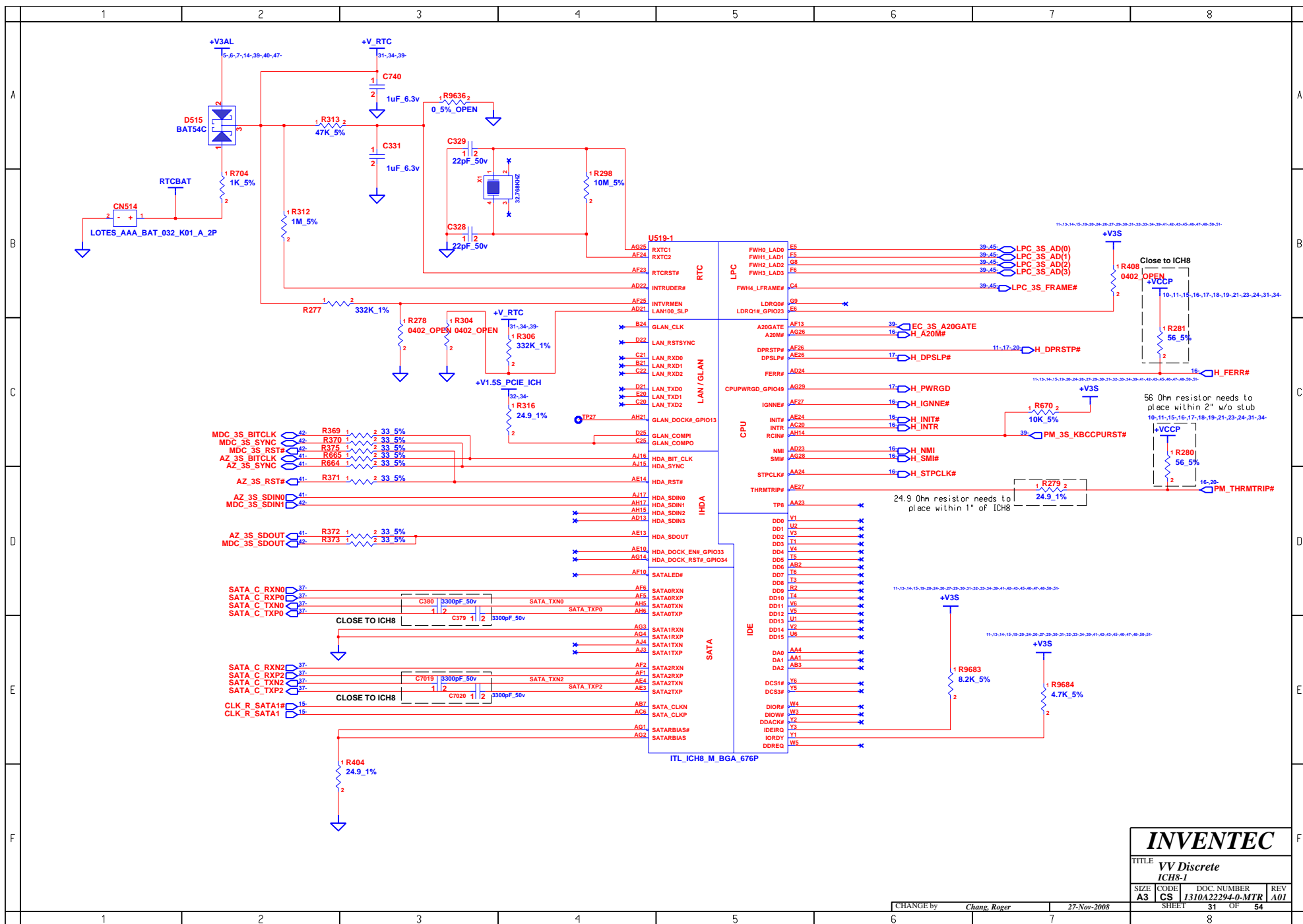
CHANGE by **Chang, Roger** **27-Sep-2003**

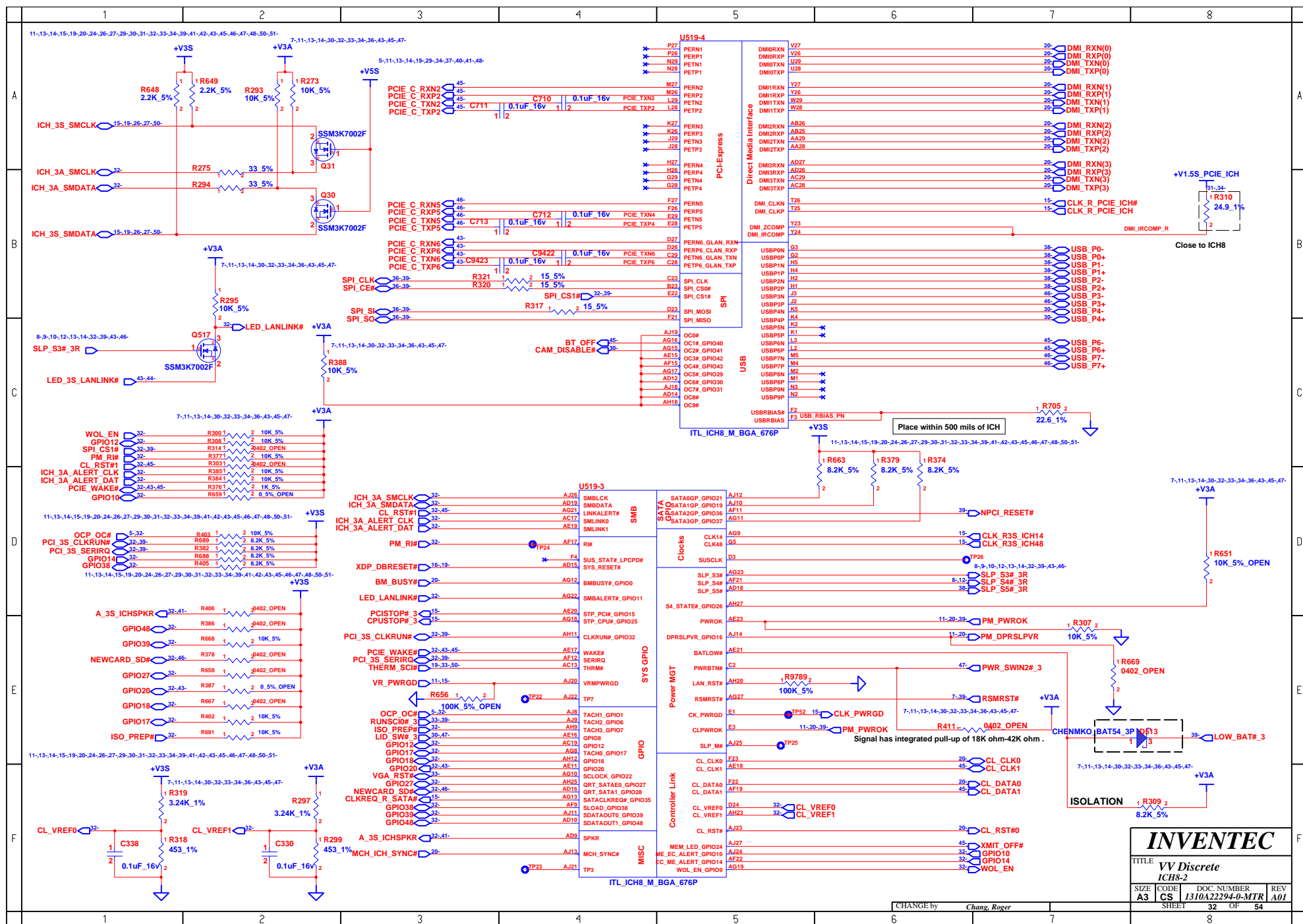


INVENTEC

TITLE VV Discrete LCM CONN			
SIZE A3	CODE CS	DOC. NUMBER 1310A22294-0-MTR	REV A01
SHEET 30		OF 54	

CHANGE by Chang, Roger 20-Nov-2008





1 2 3 4 5 6 7 8

A

A

B

B

C

C

D

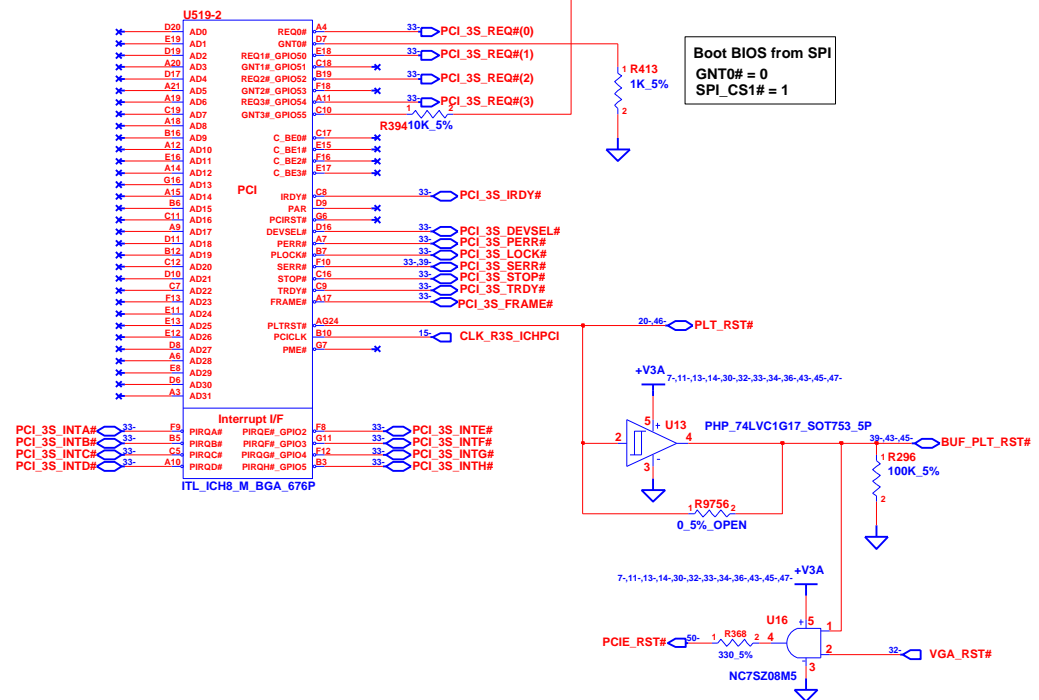
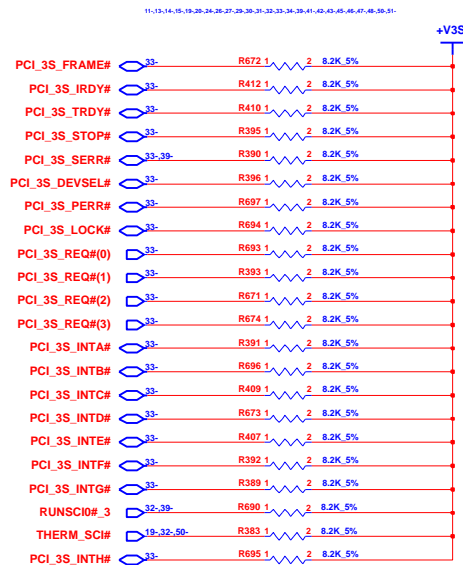
D

E

E

F

F

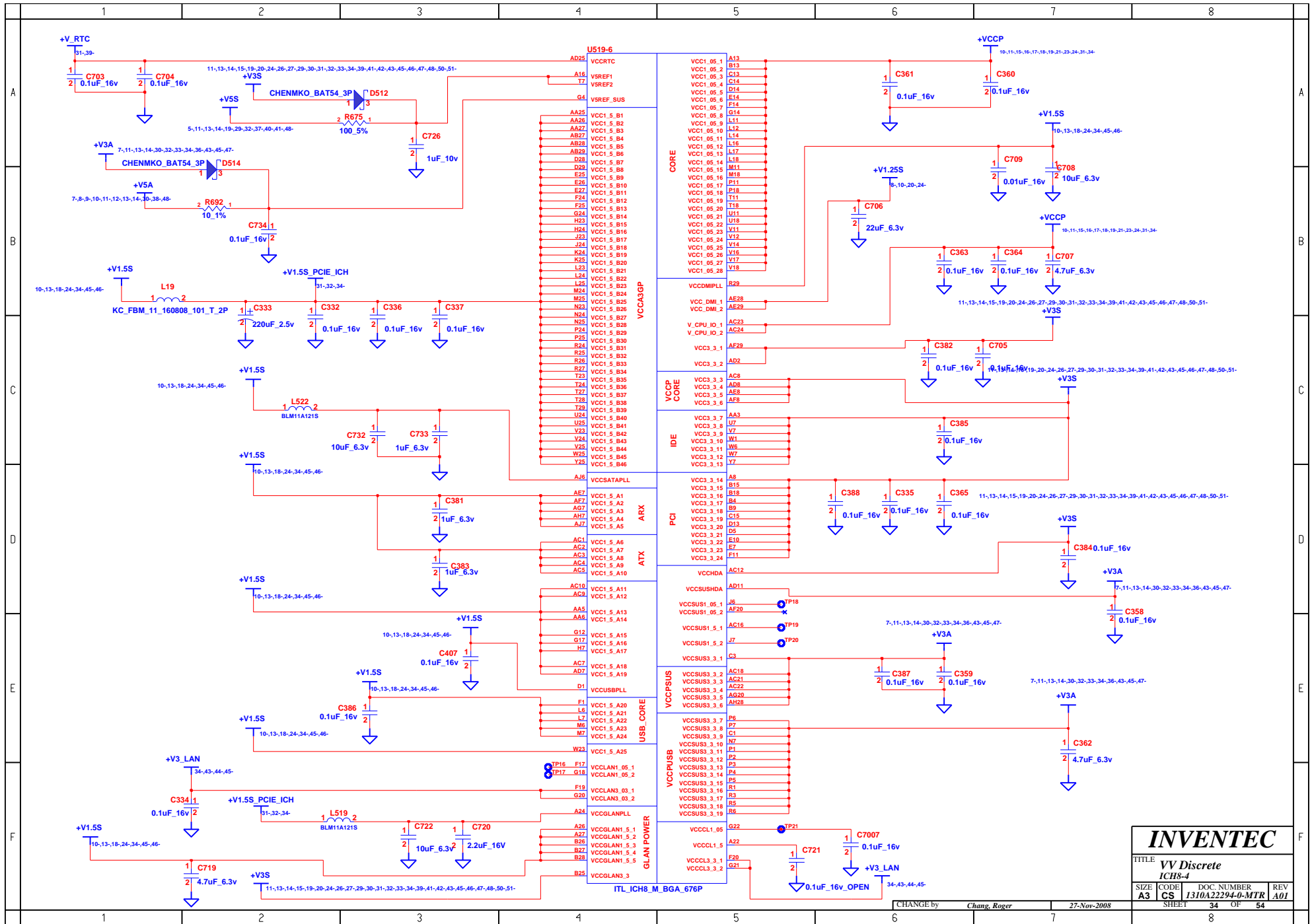


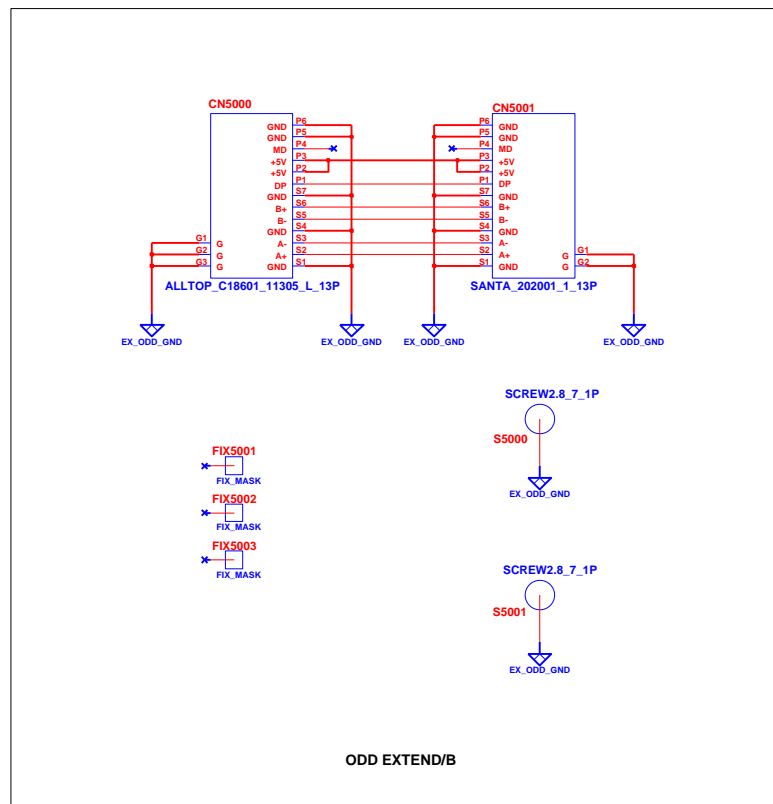
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TITLE			
VV Discrete			
ICH8-3			
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SHEET		33	OF 54

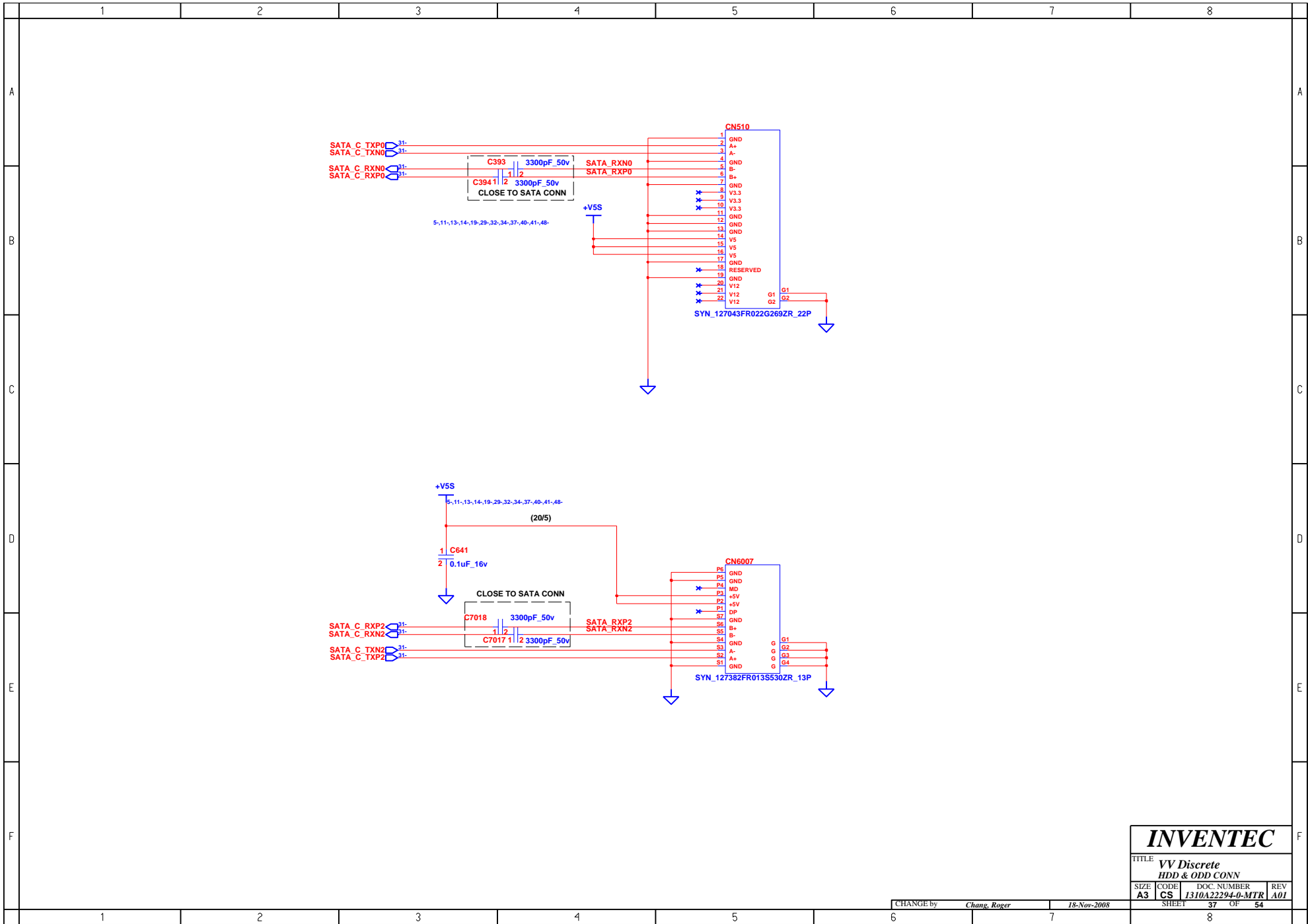
CHANGE by Chang, Roger 27-Nov-2008

1 2 3 4 5 6 7 8



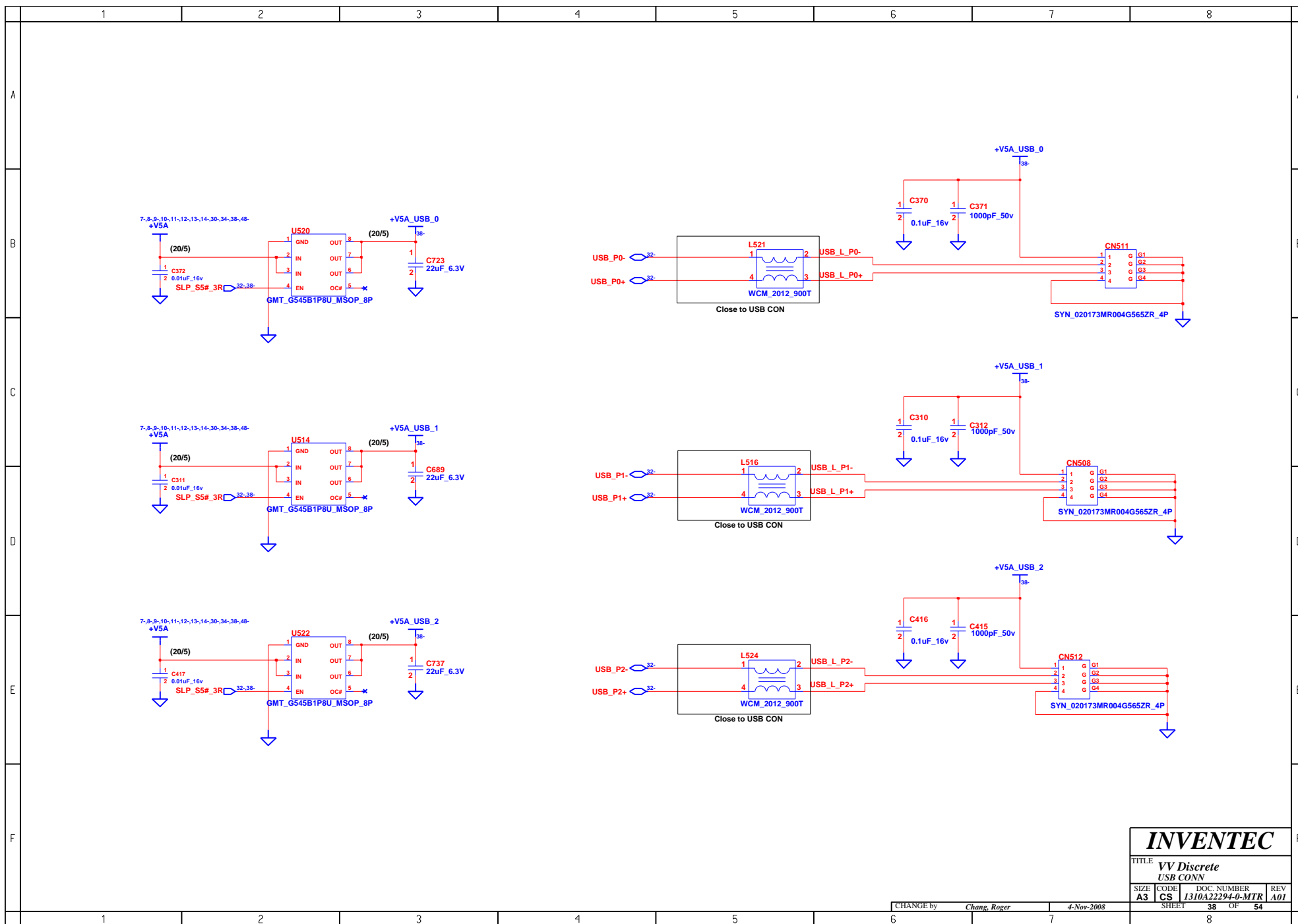


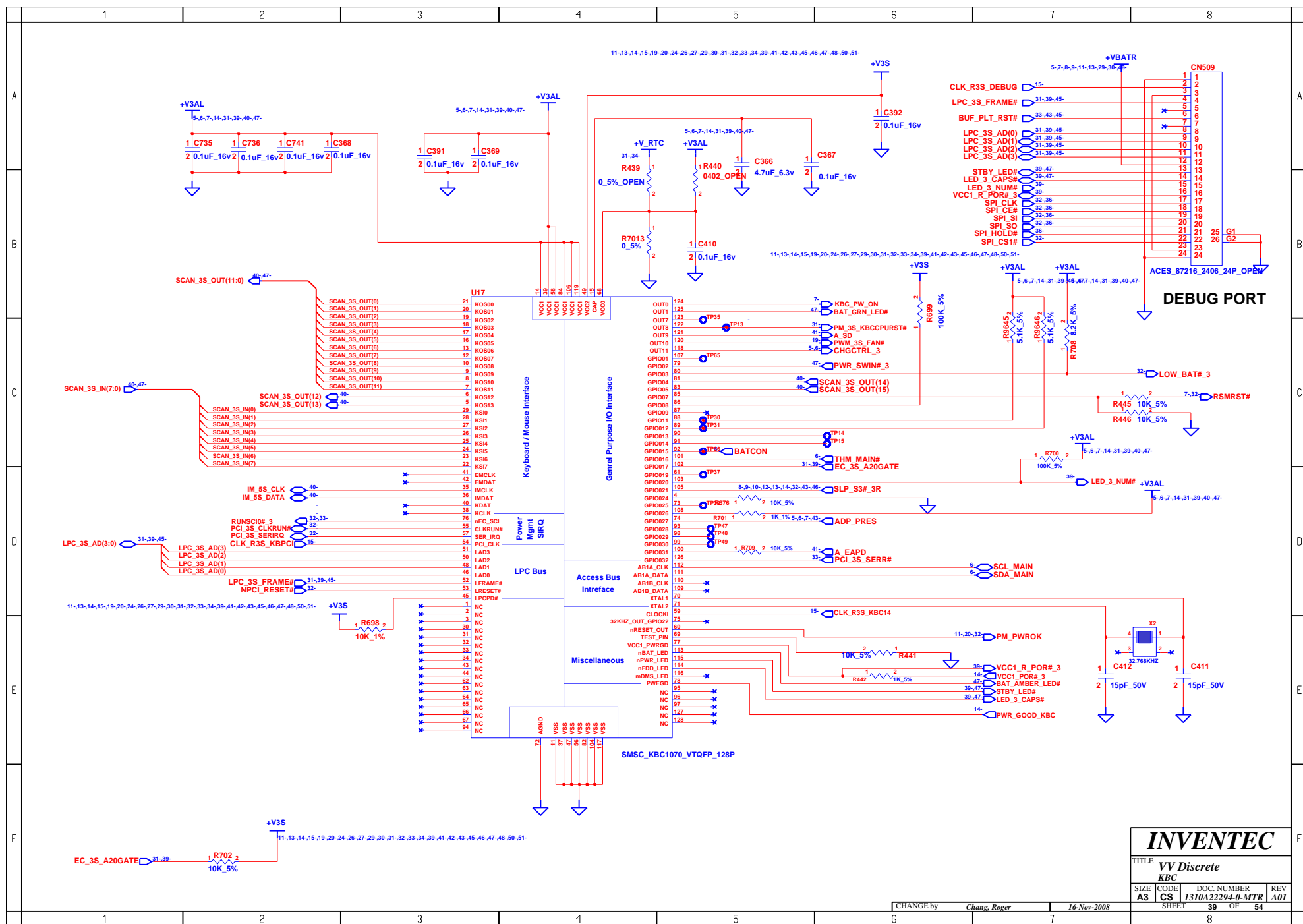
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SHEET		36 OF	54

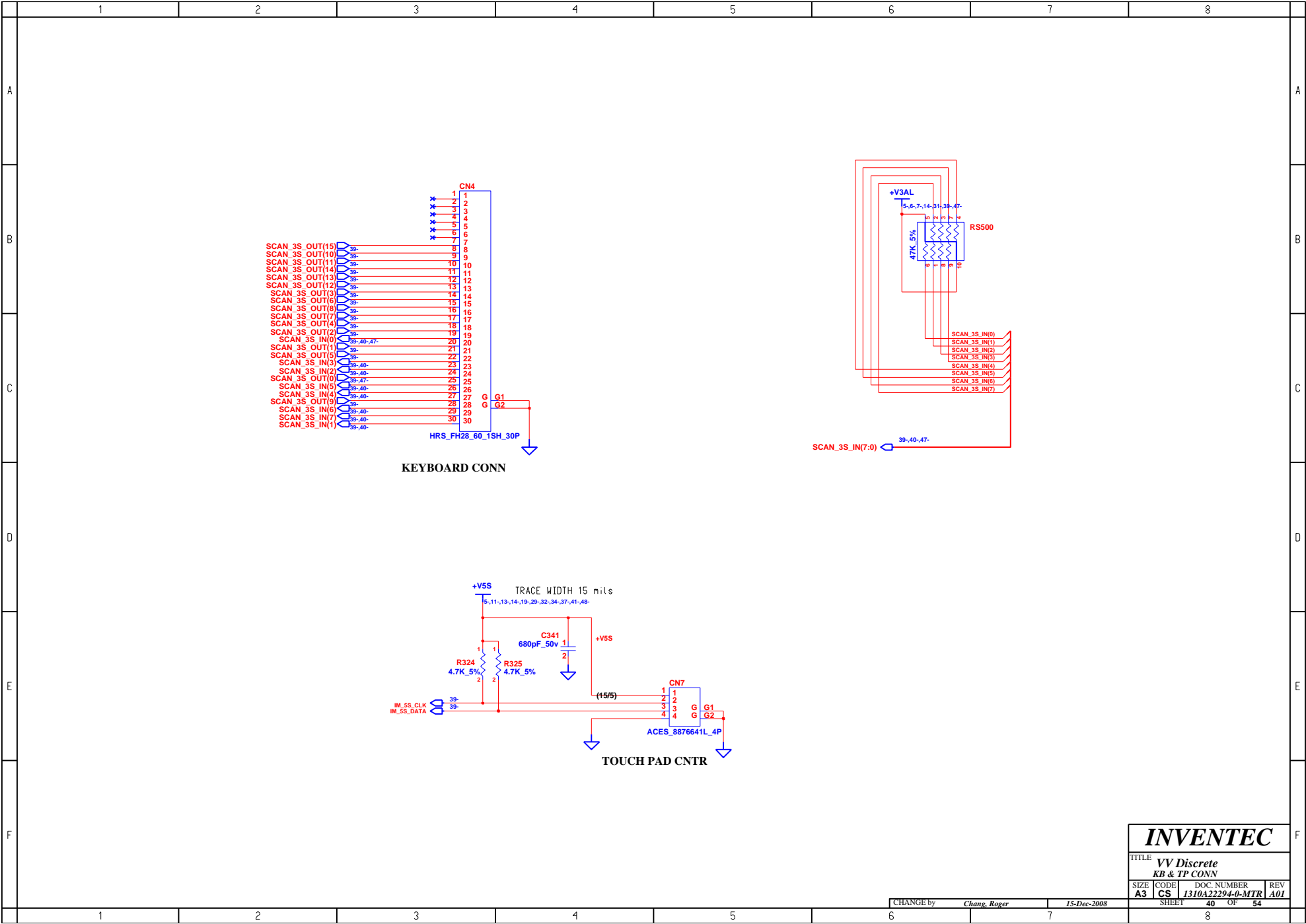


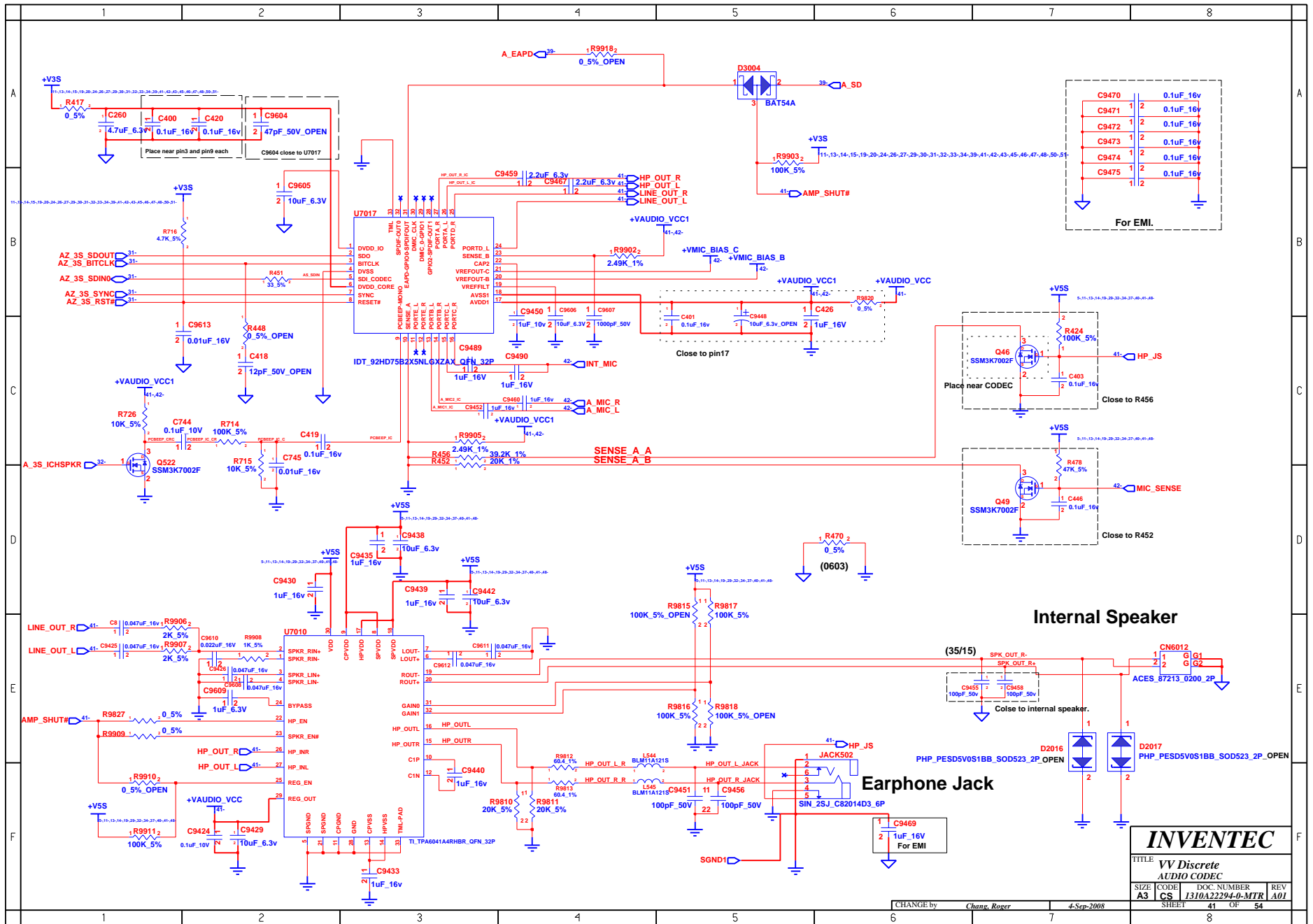
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TITLE VV Discrete HDD & ODD CONN			
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CHANGE by Chang, Roger		18-Nov-2008	
SHEET 37		OF 54	

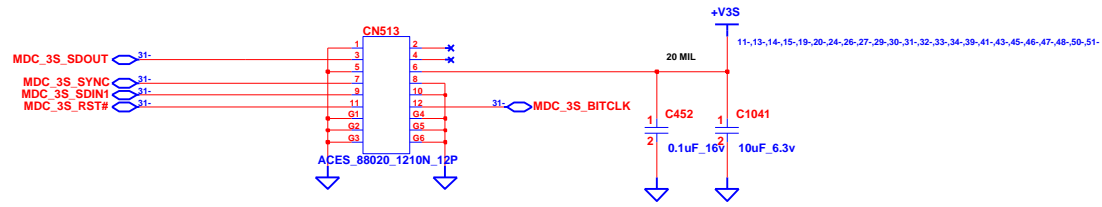
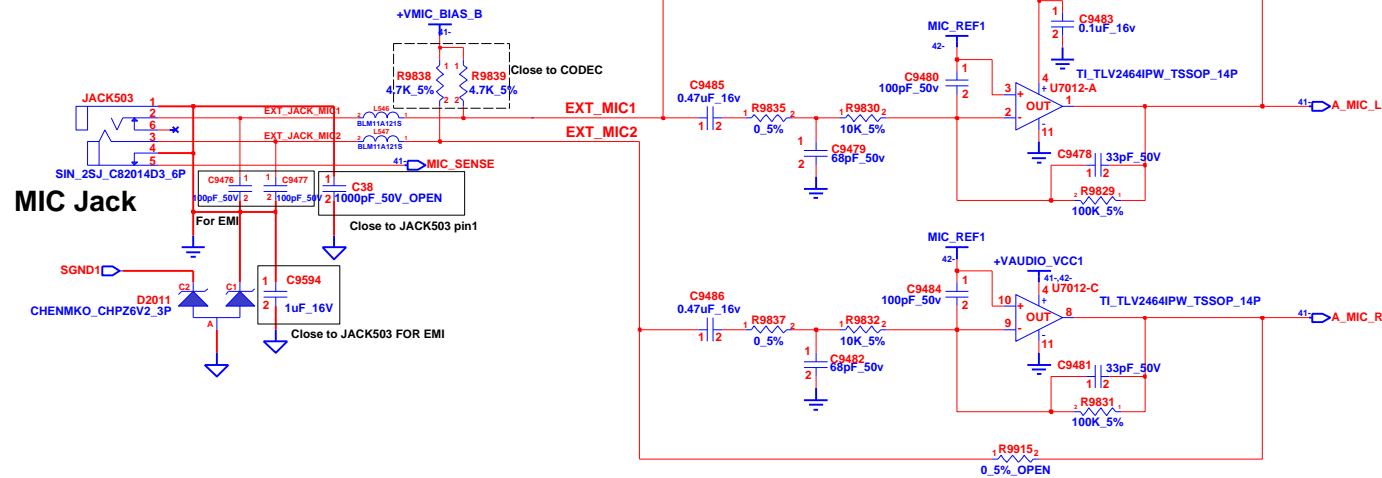
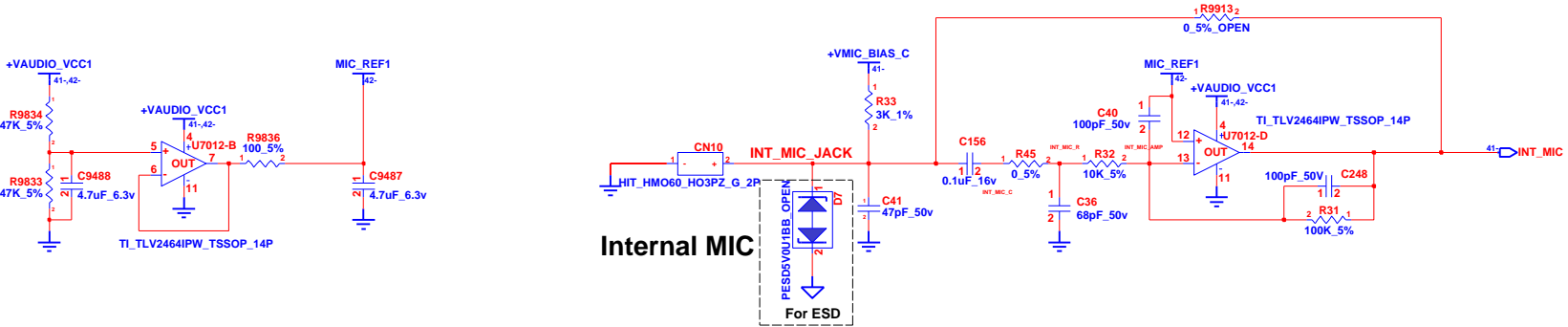




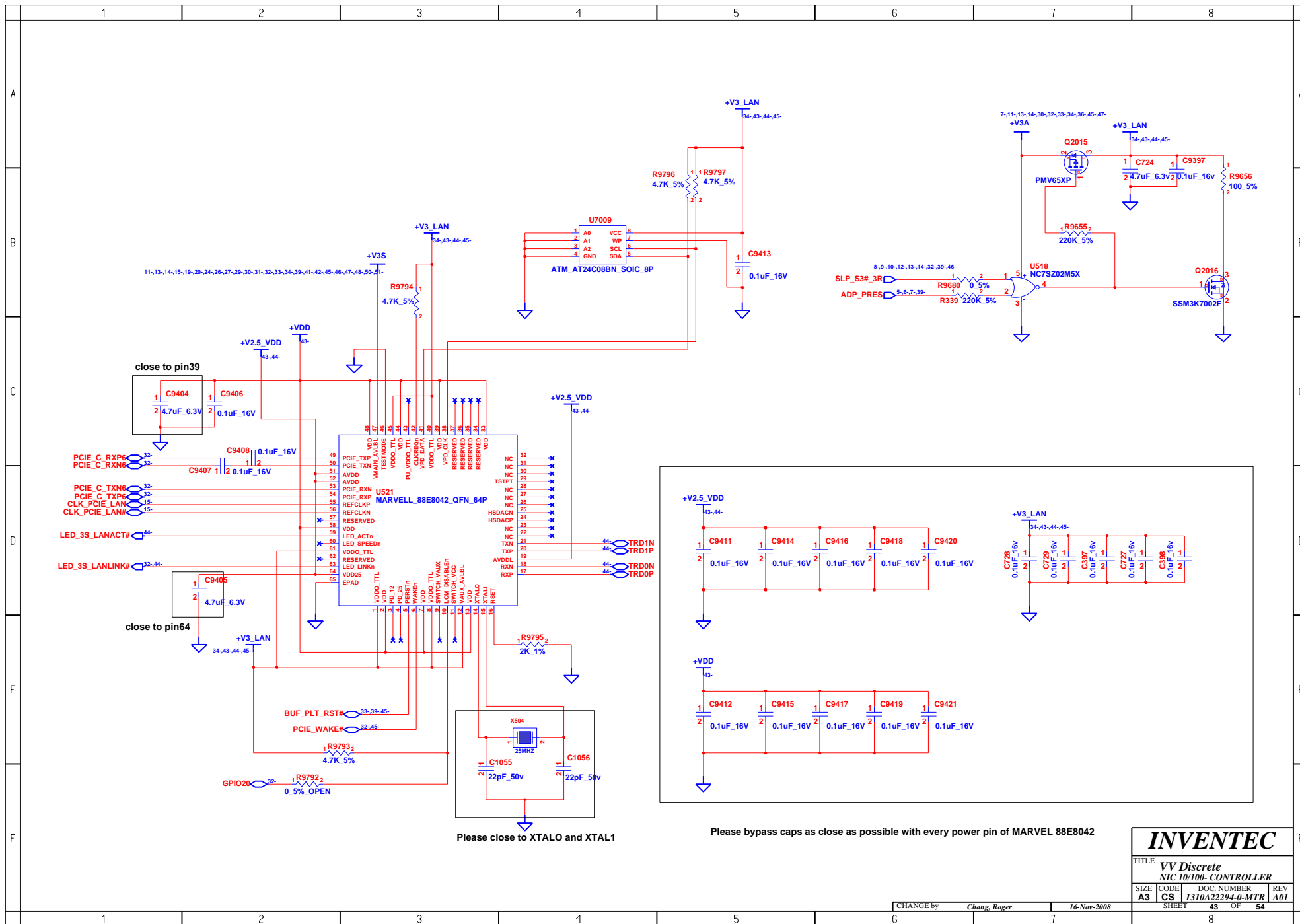




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SHEET 41		OF 54	



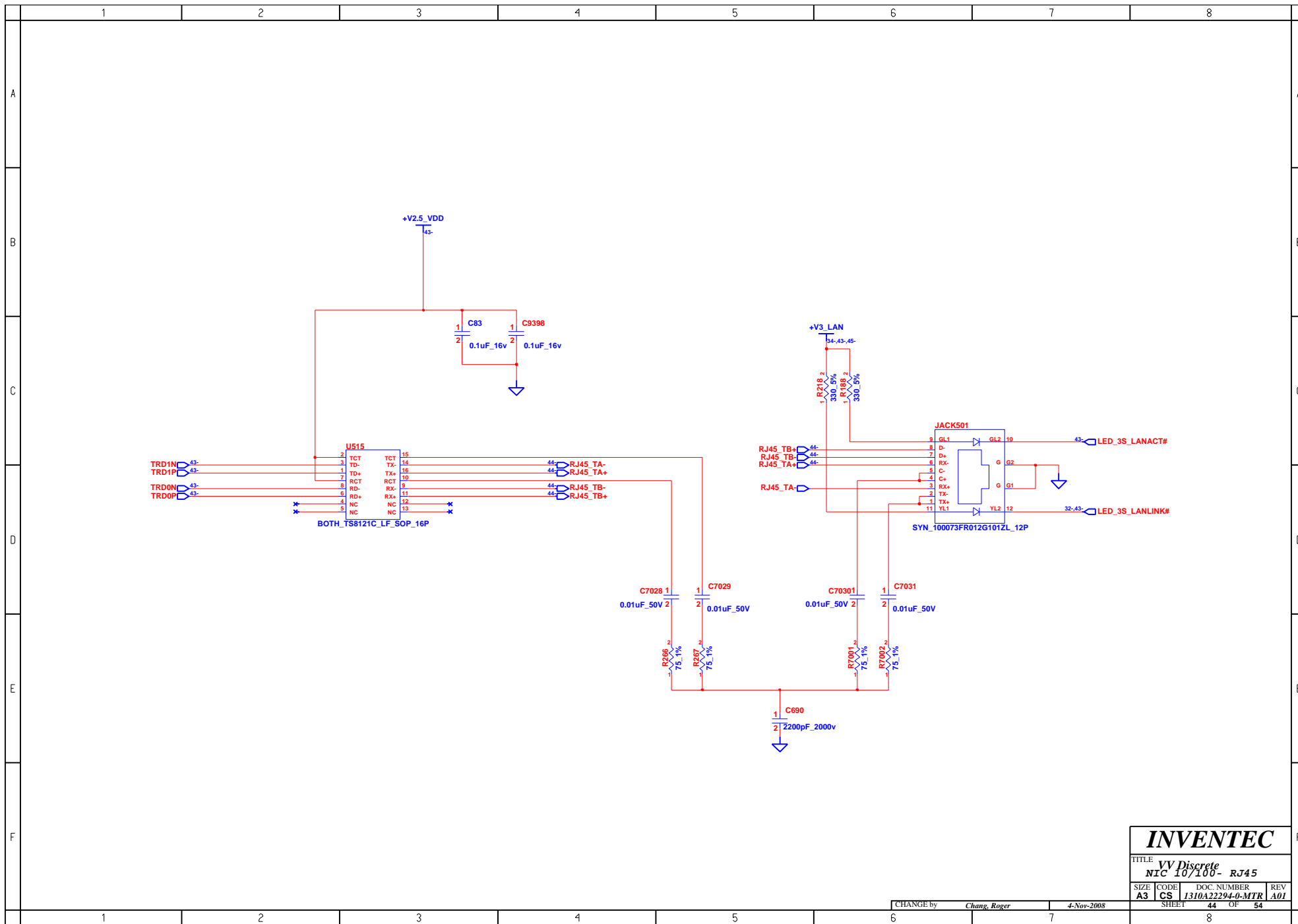
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SHEET 42		OF 54	



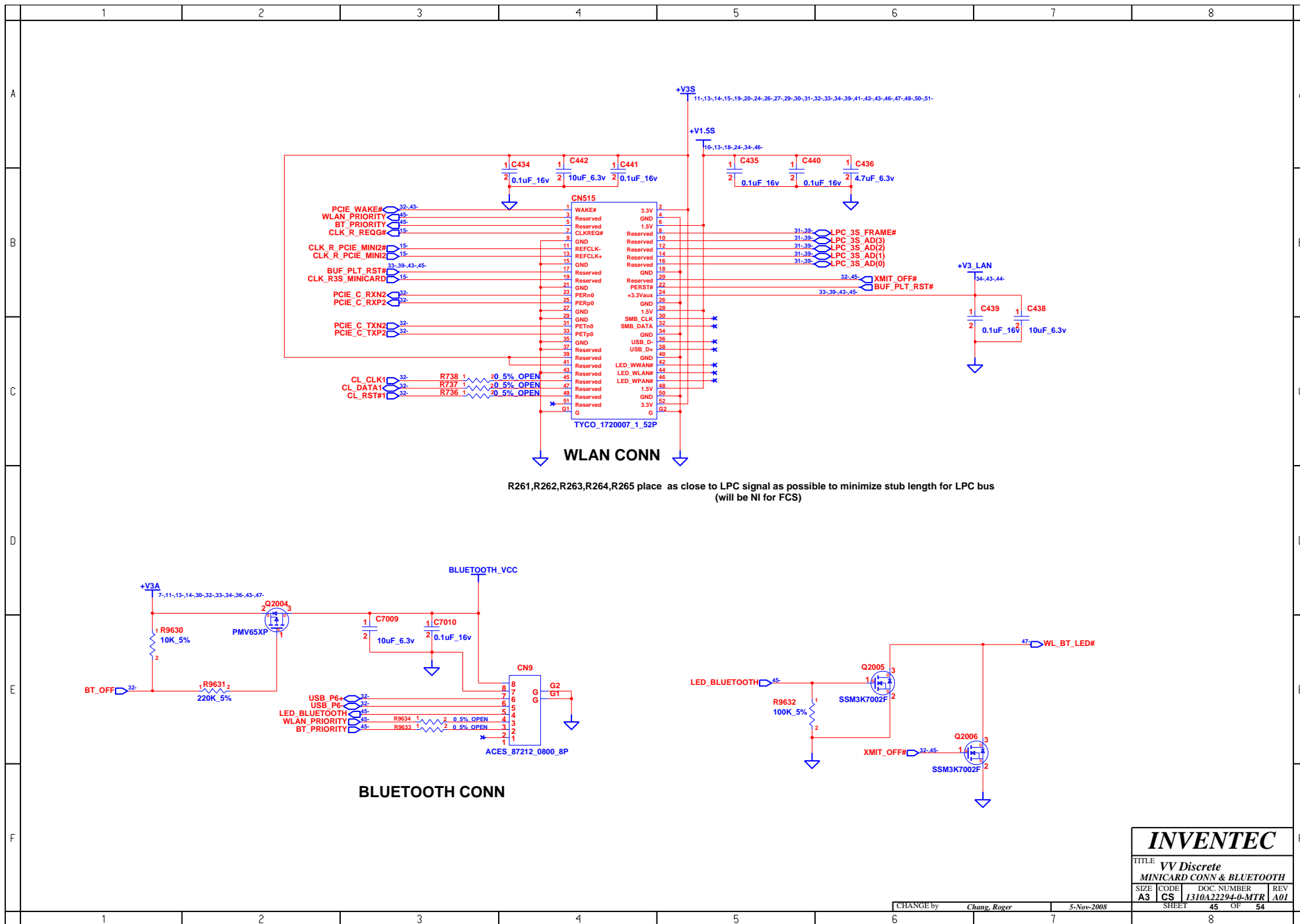
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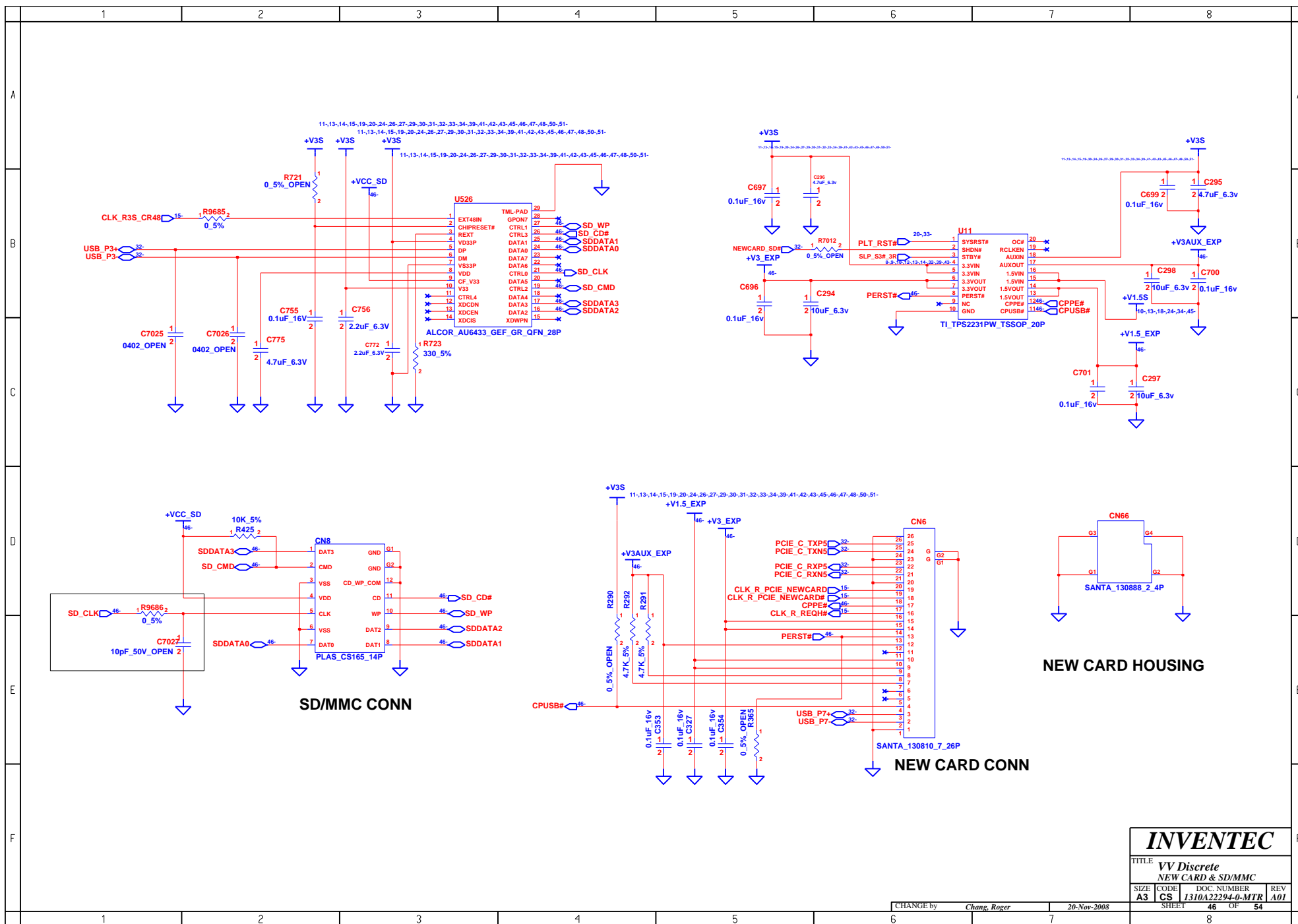
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SHEET 43		OF 54	

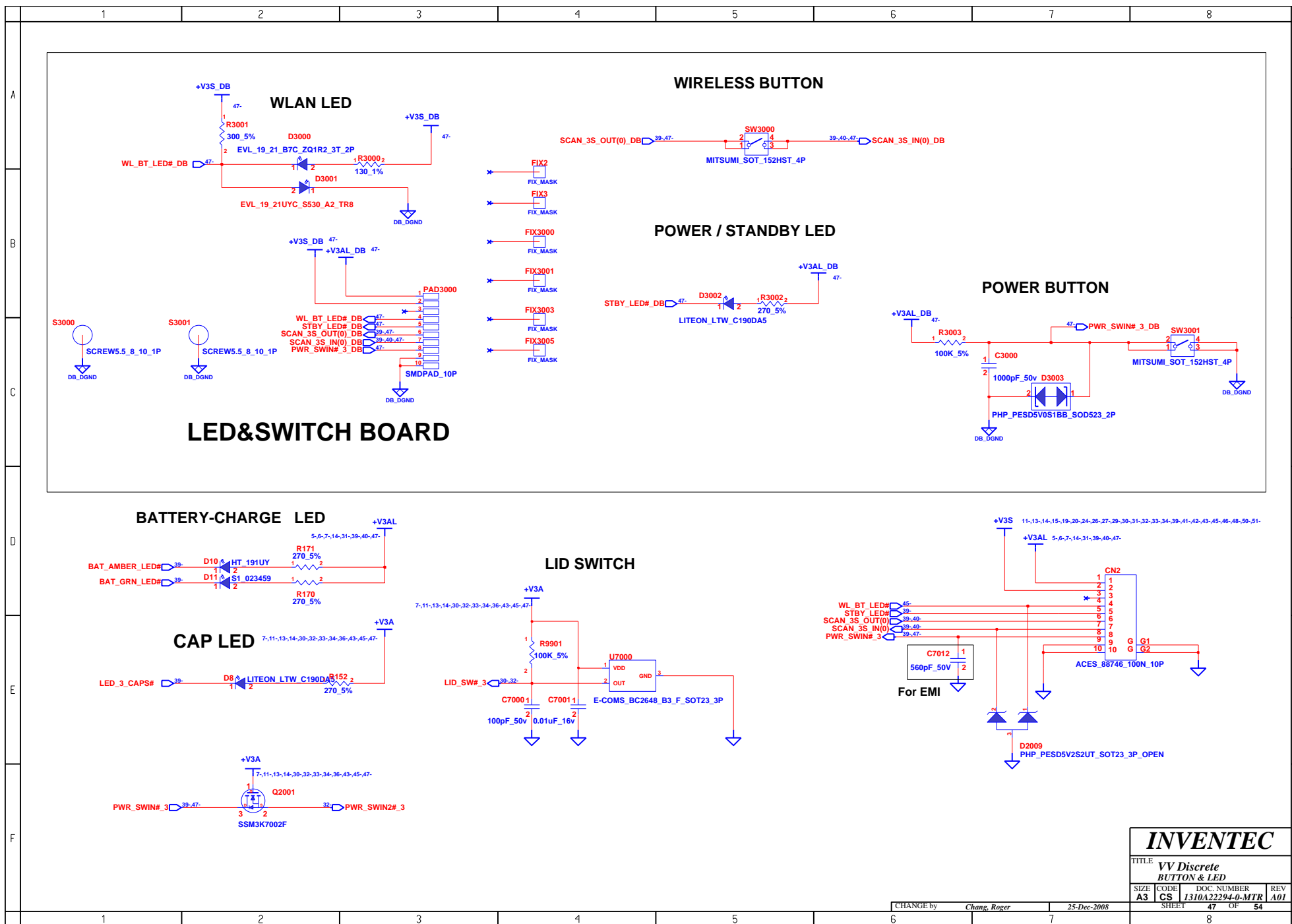
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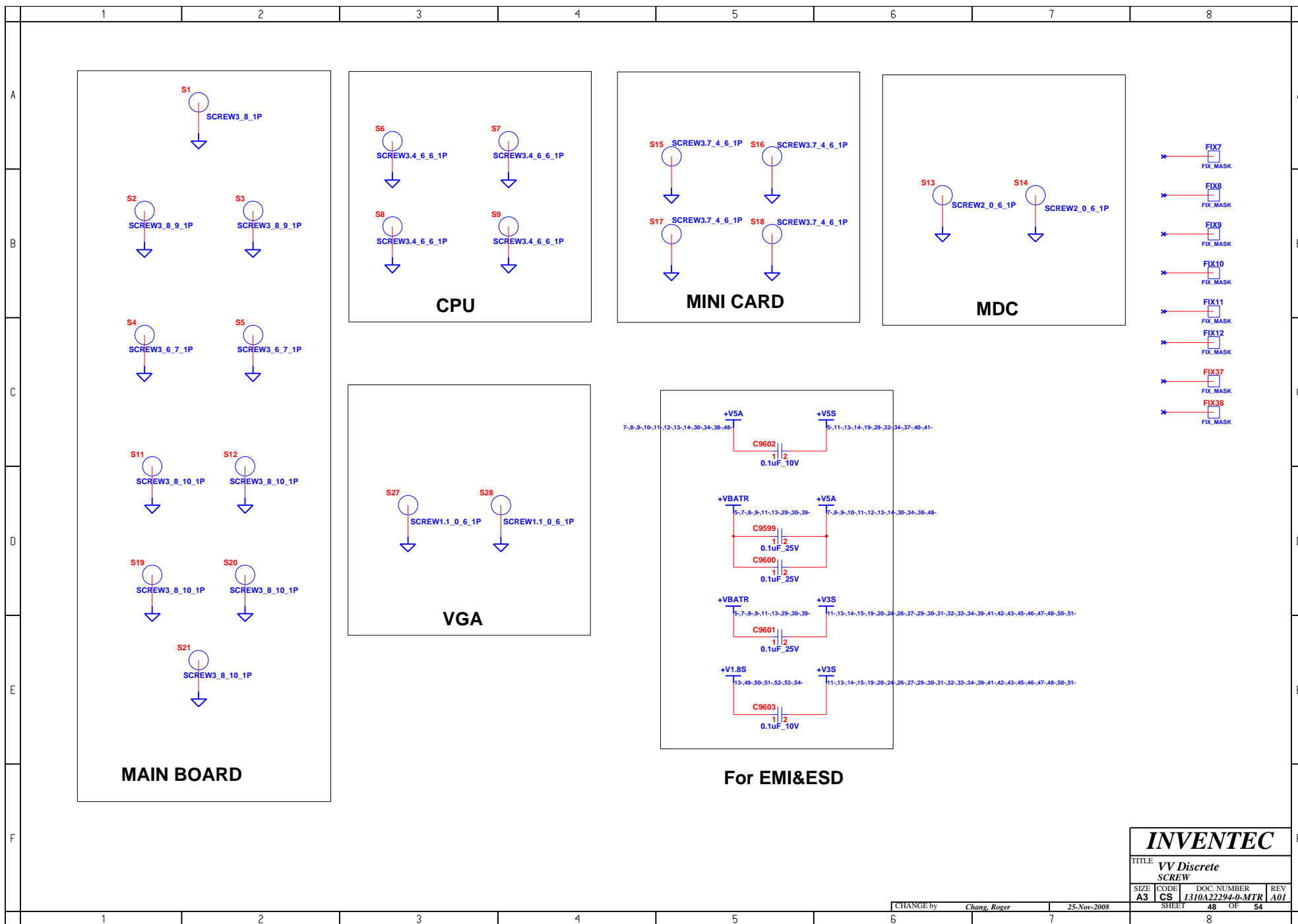


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CHANGE by Chang, Roger		4-Nov-2008	
SHEET 44		OF 54	









INVENTEC			
TITLE VV Discrete SCREW			
SIZE A3	CODE CS	DOC. NUMBER 1310A22294-0-MTR	REV A01
SHEET 48		OF 54	

CHANGE by Chang, Roger 25-Nov-2008

