

VB 1.0

MV_BUILD

2007.05.22

DATE	CHANGE NO.	REV

	EE	DATE	POWER	DATE	INVENTEC
DRAWER					
DESIGN					
CHECK					
RESPONSIBLE					
SIZE = 3 FILE NAME: XXXX-XXXXXX-XX P/N XXXXXXXXXXXX					TITLE VB10
VER :					SIZE A3 CODE CS DOC. NUMBER PC3601 REV A04 SHEET 1 OF 64

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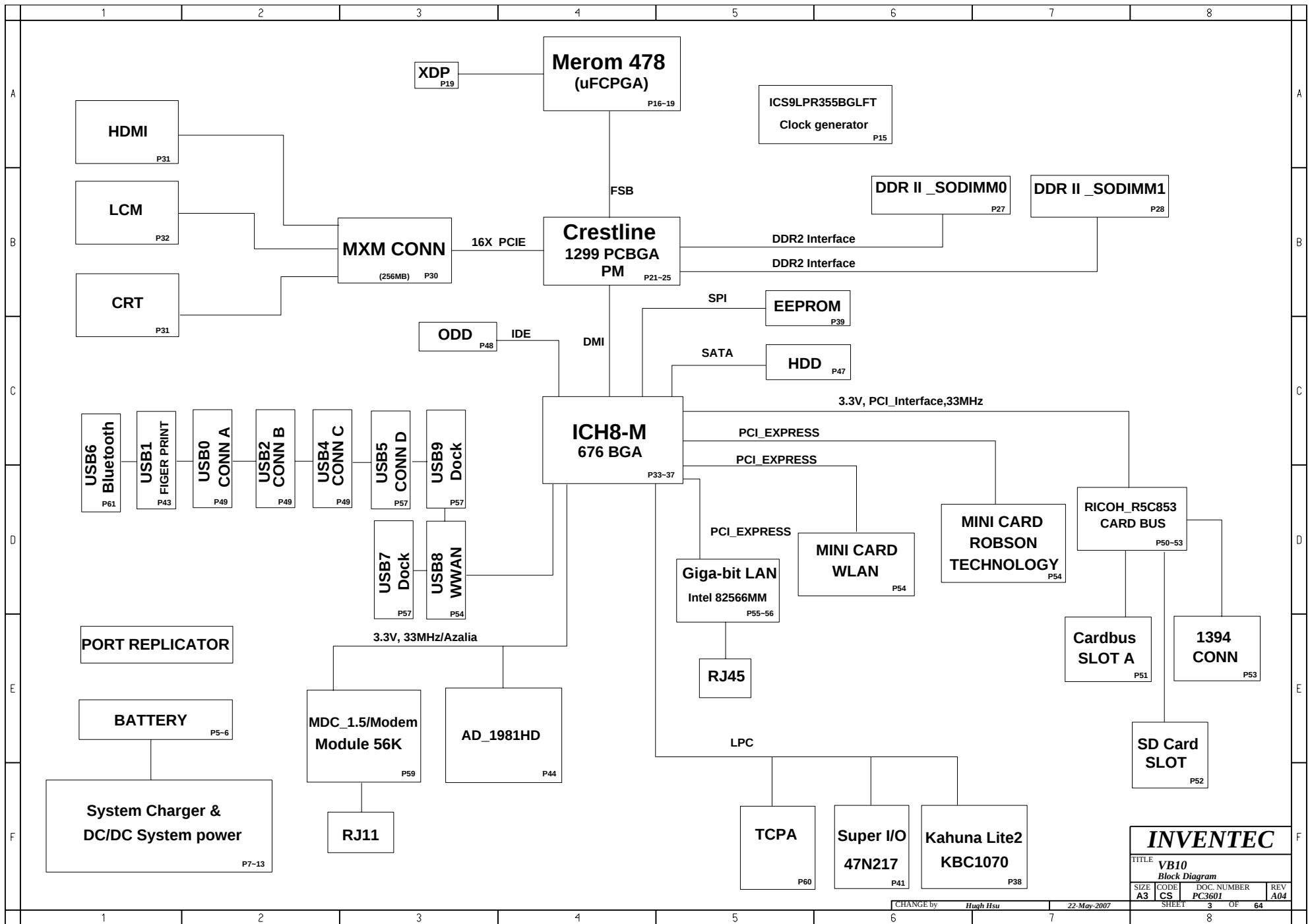
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TITLE
VB10

SIZE A3	CODE CS	DOC. NUMBER PC3601	REV A04
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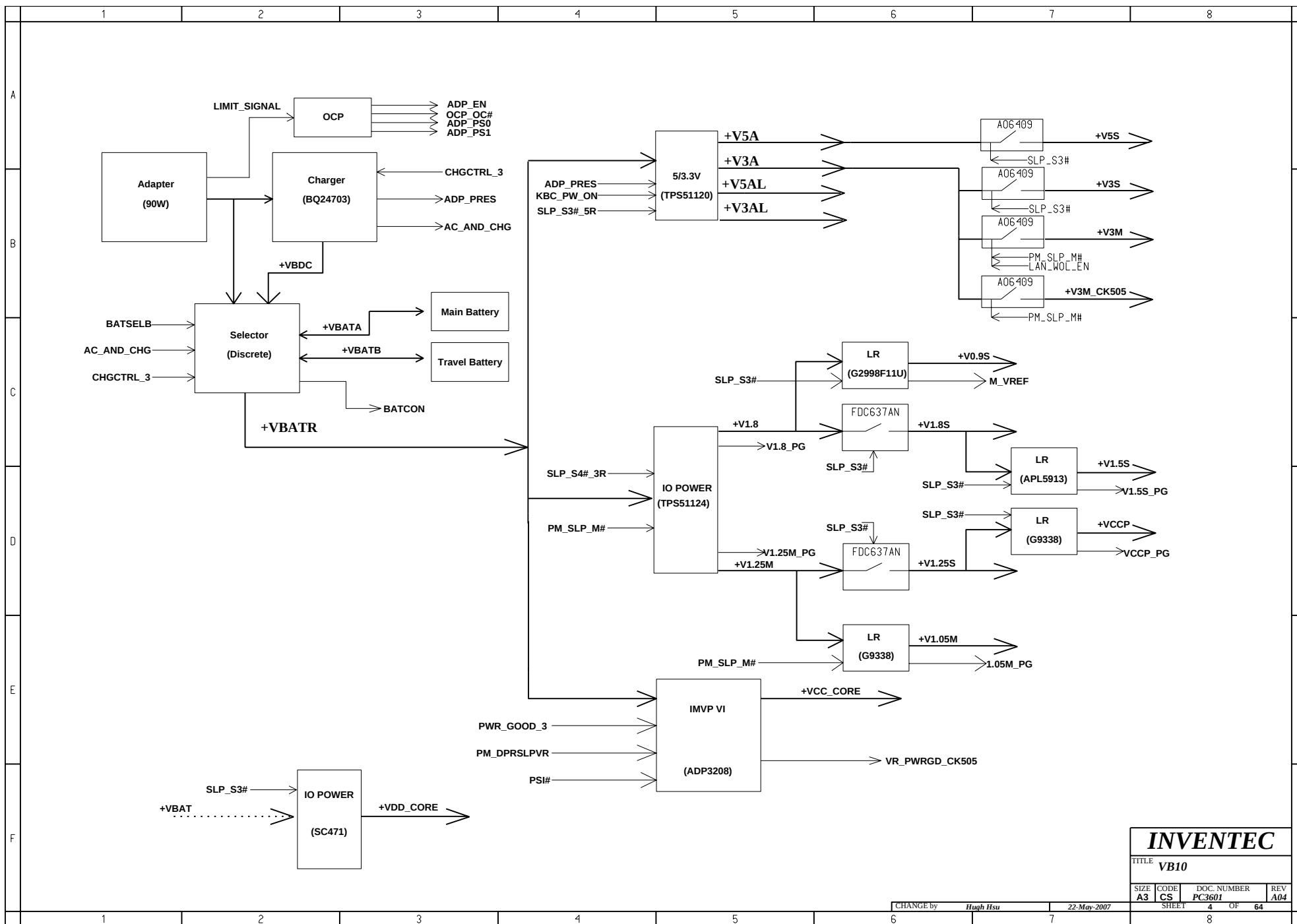
CHANGE by **Hugh Hsu** 22-May-2007

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INVENTEC

TITLE			
VB10			
Block Diagram			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	PC3601	A04



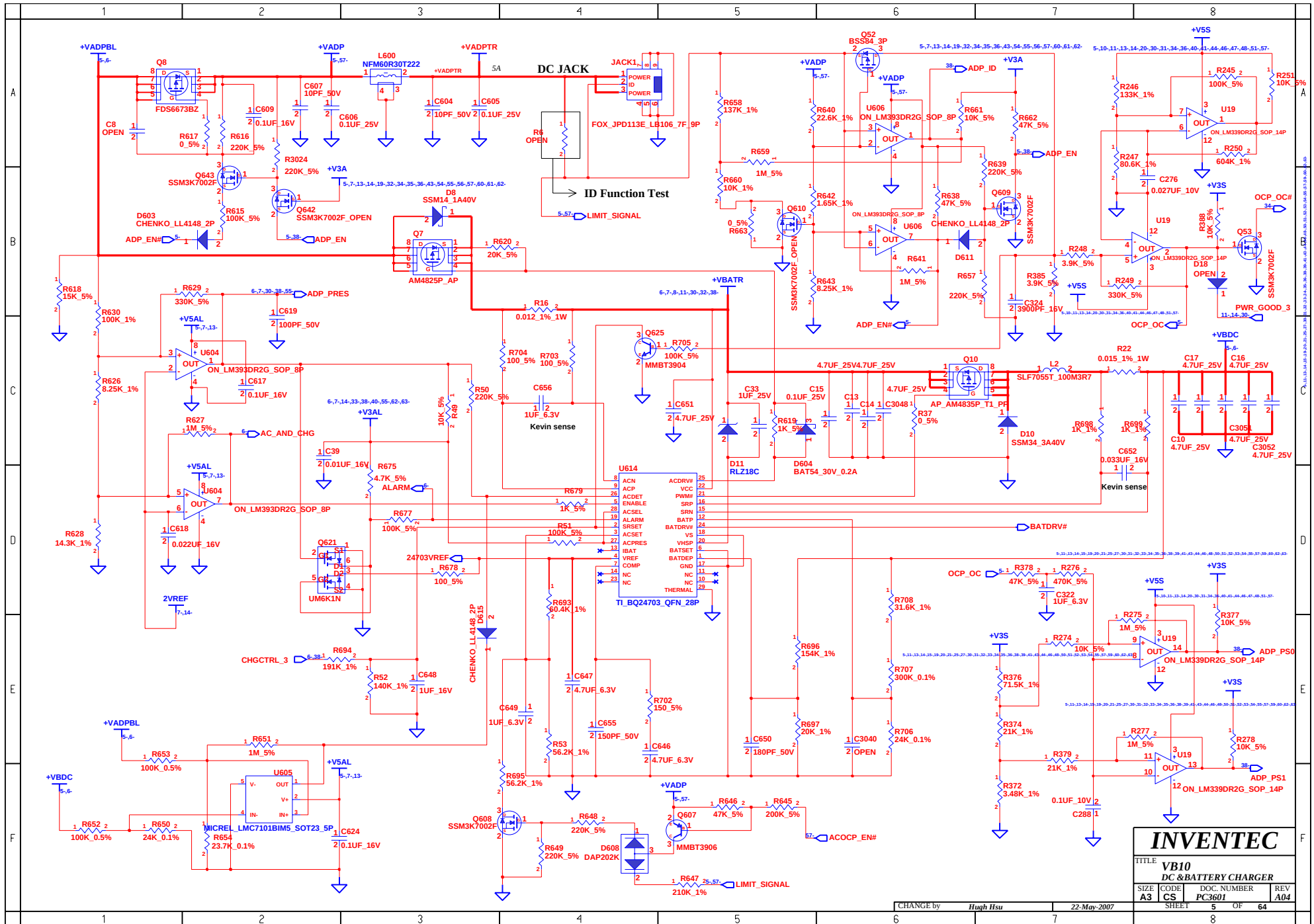
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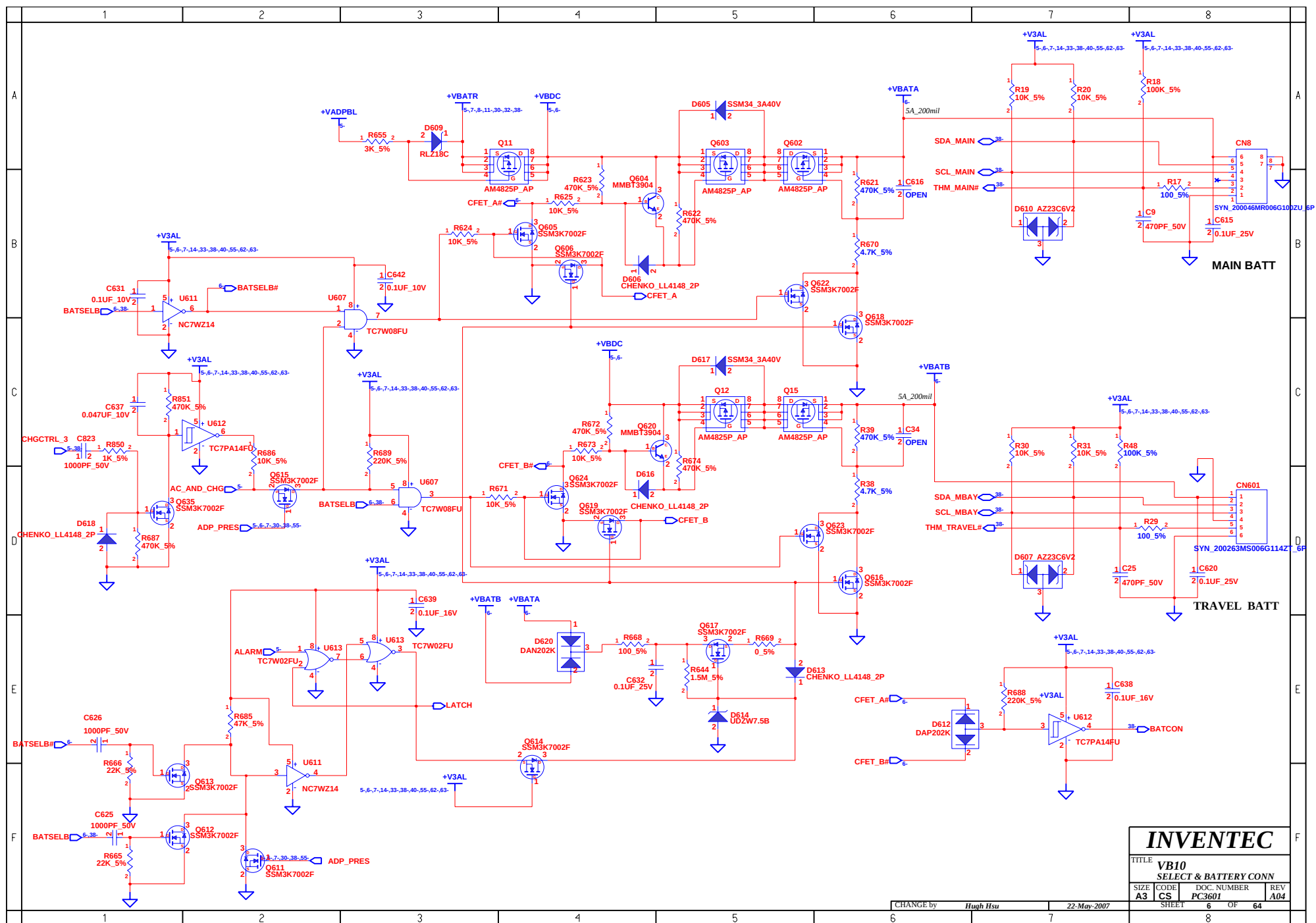
TITLE
VB10

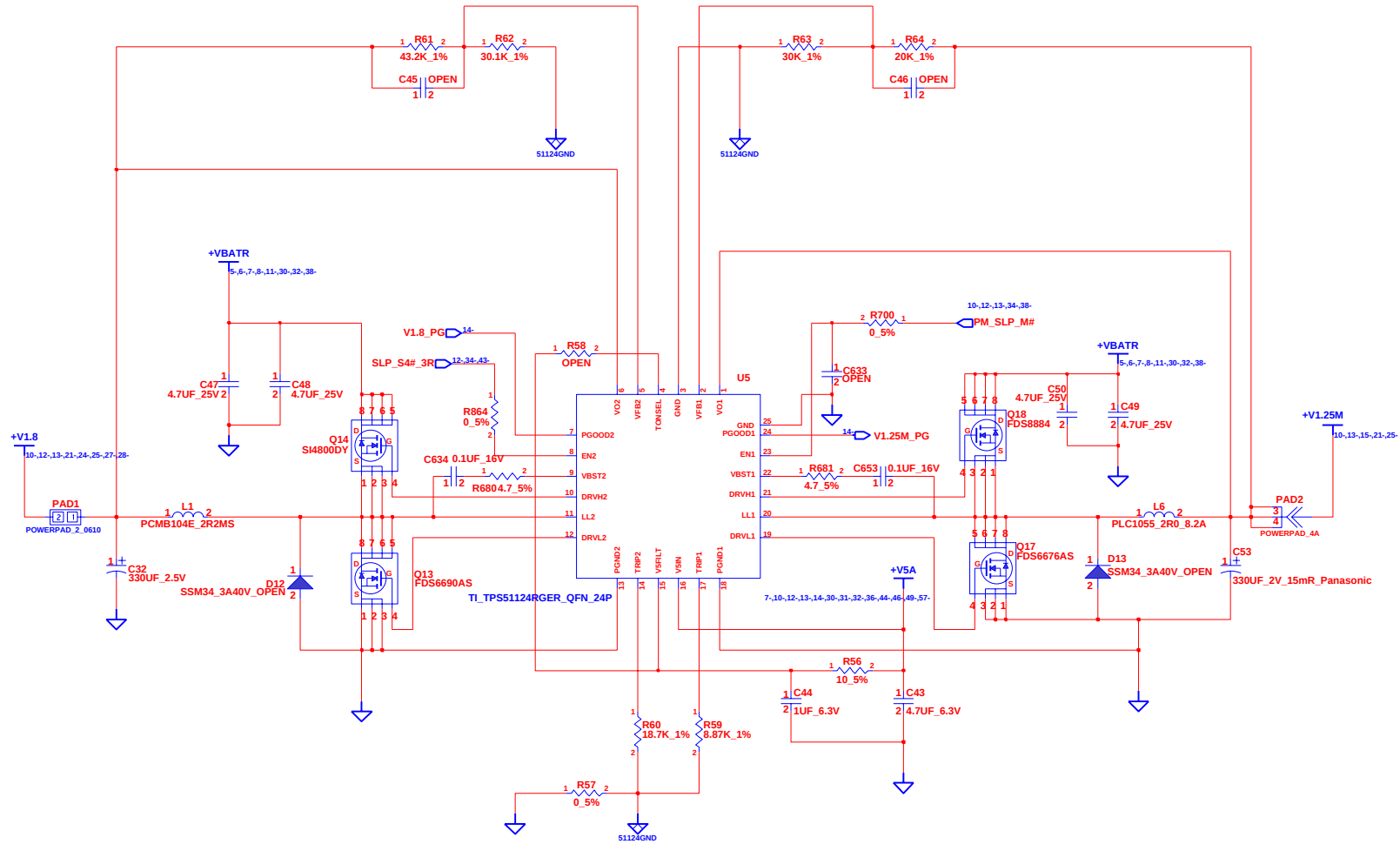
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INVENTEC

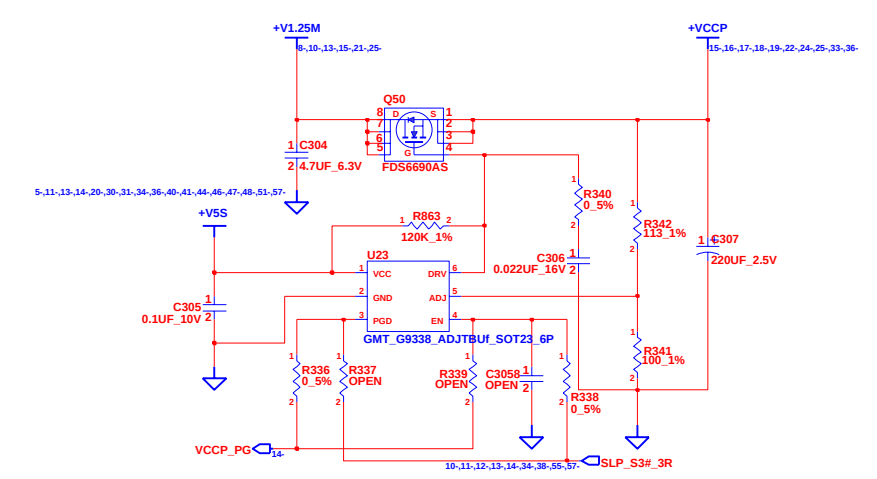
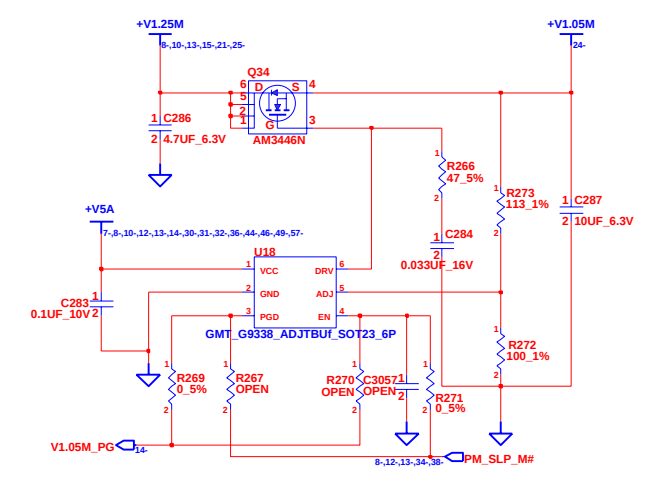
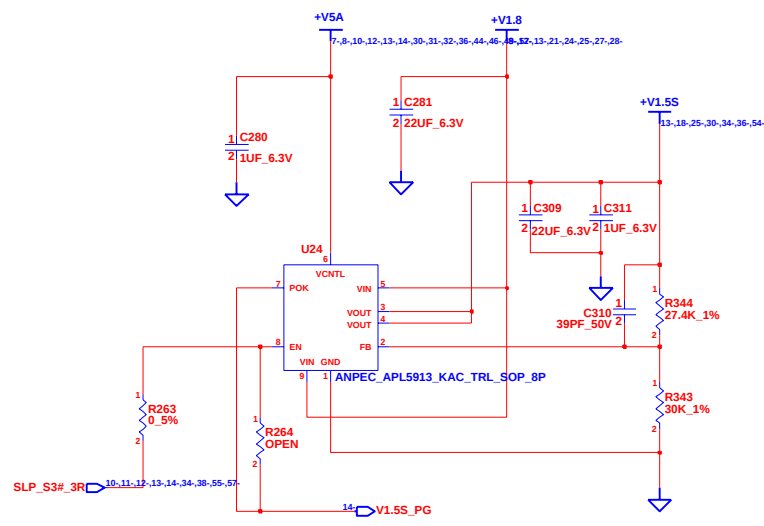
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VB10			
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SIZE	CODE	DOC. NUMBER	REV
A3	CS	PC3601	A04

CHANGE by *Hugh Hsu* 22-May-2007

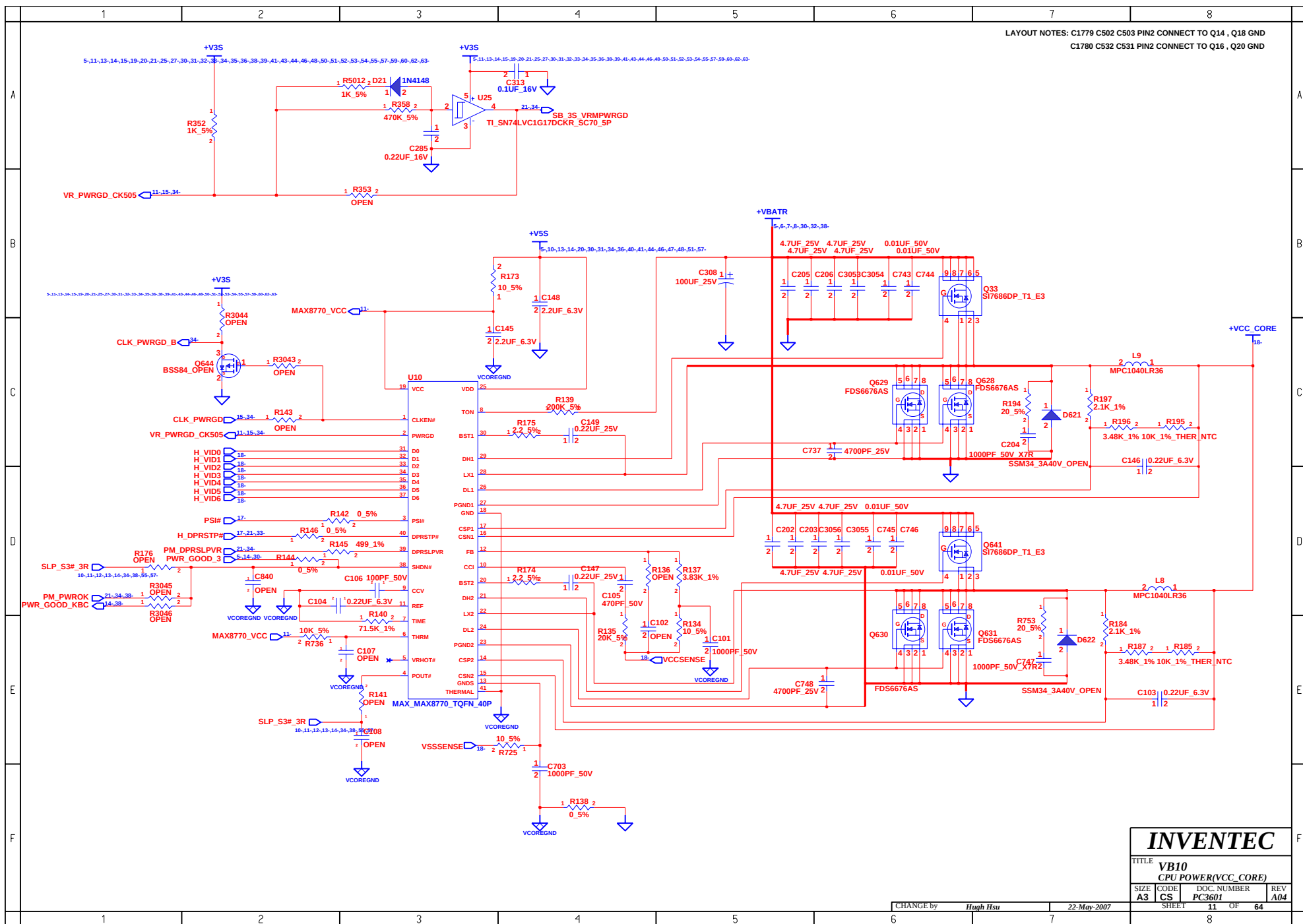
SHEET 8 OF 64

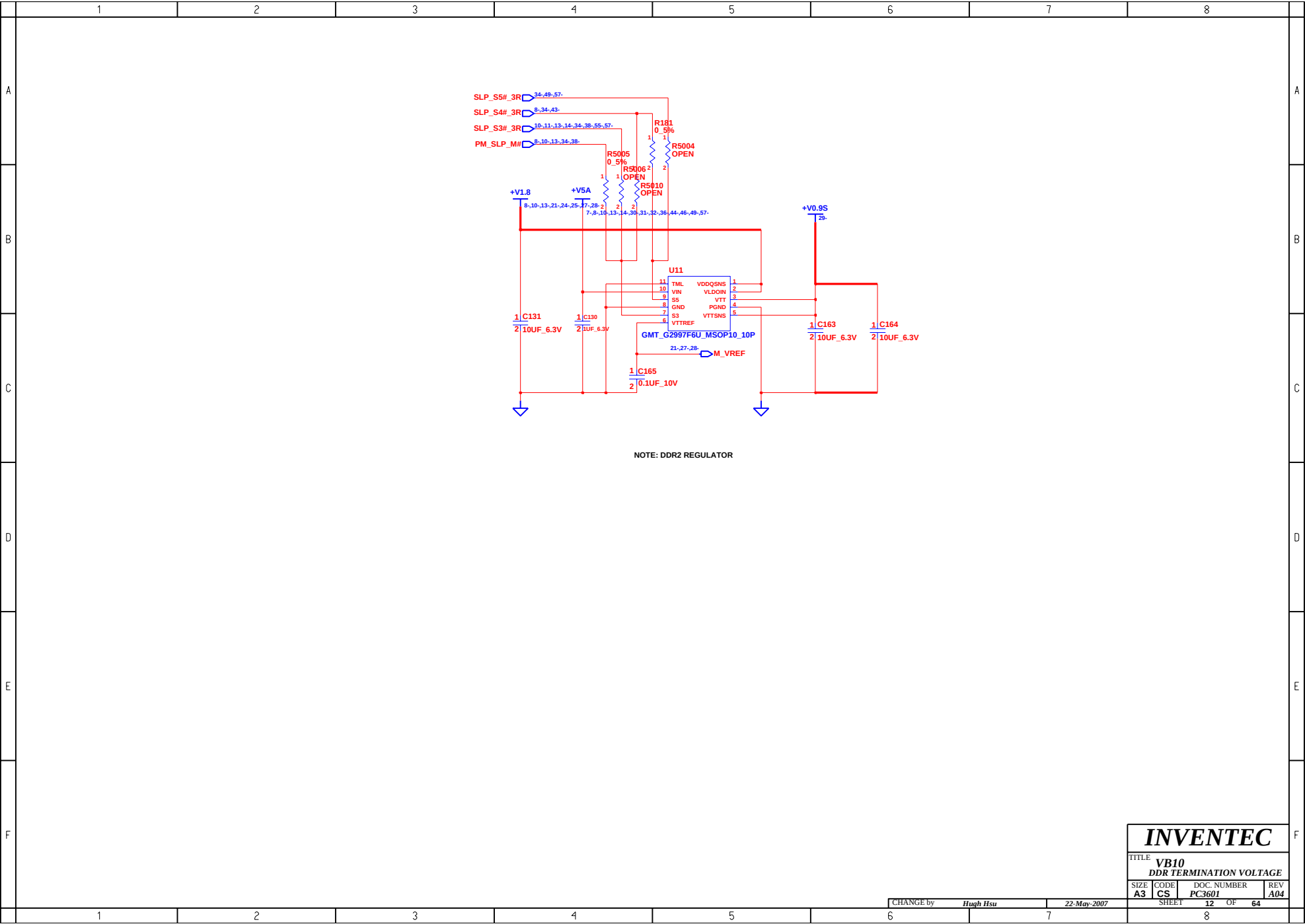
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C									C
D									D
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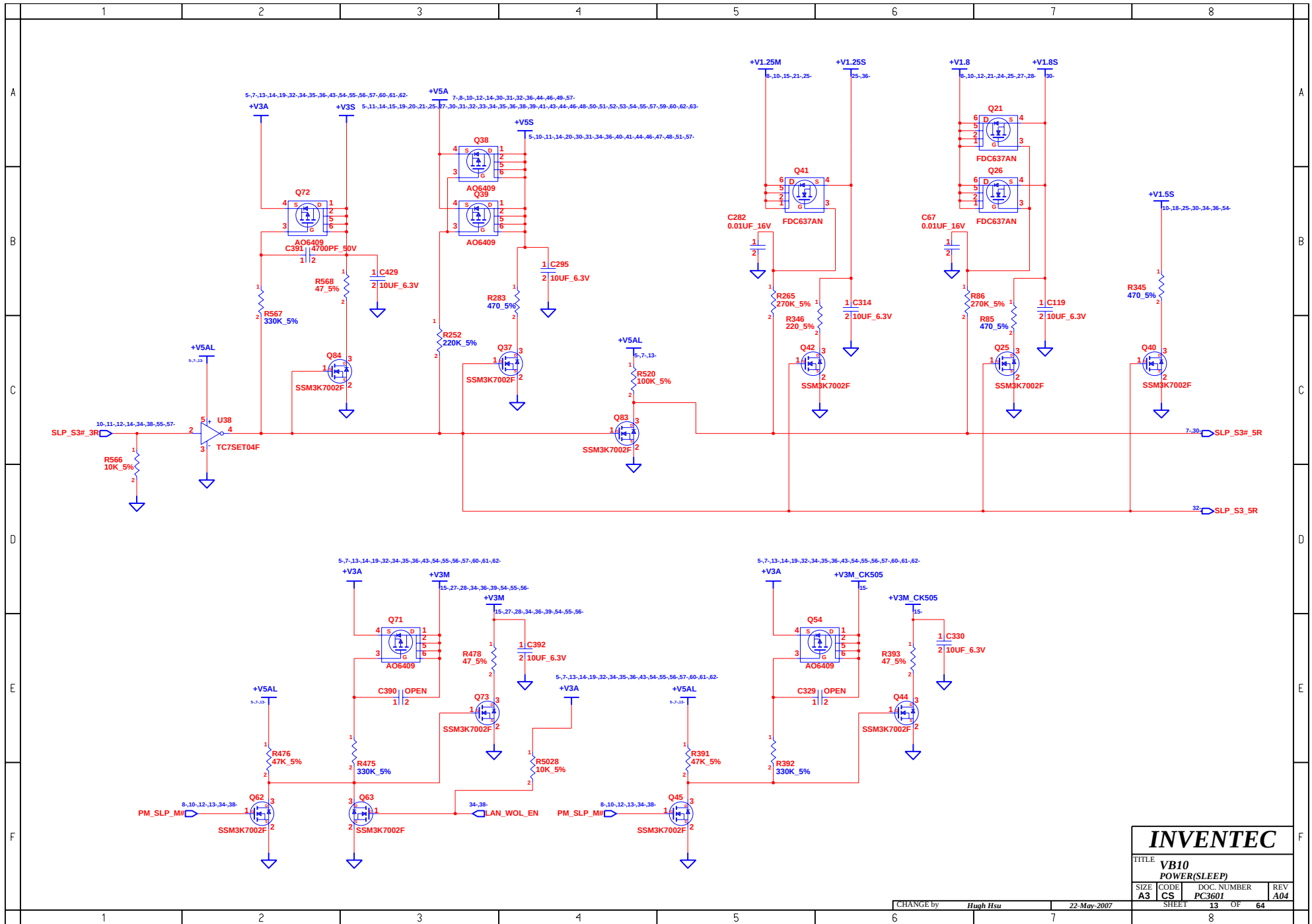
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SIZE A3	CODE CS	DOC. NUMBER PC3601	REV A04
CHANGE by Hugh Hsu		22-May-2007	
SHEET 8		OF 64	

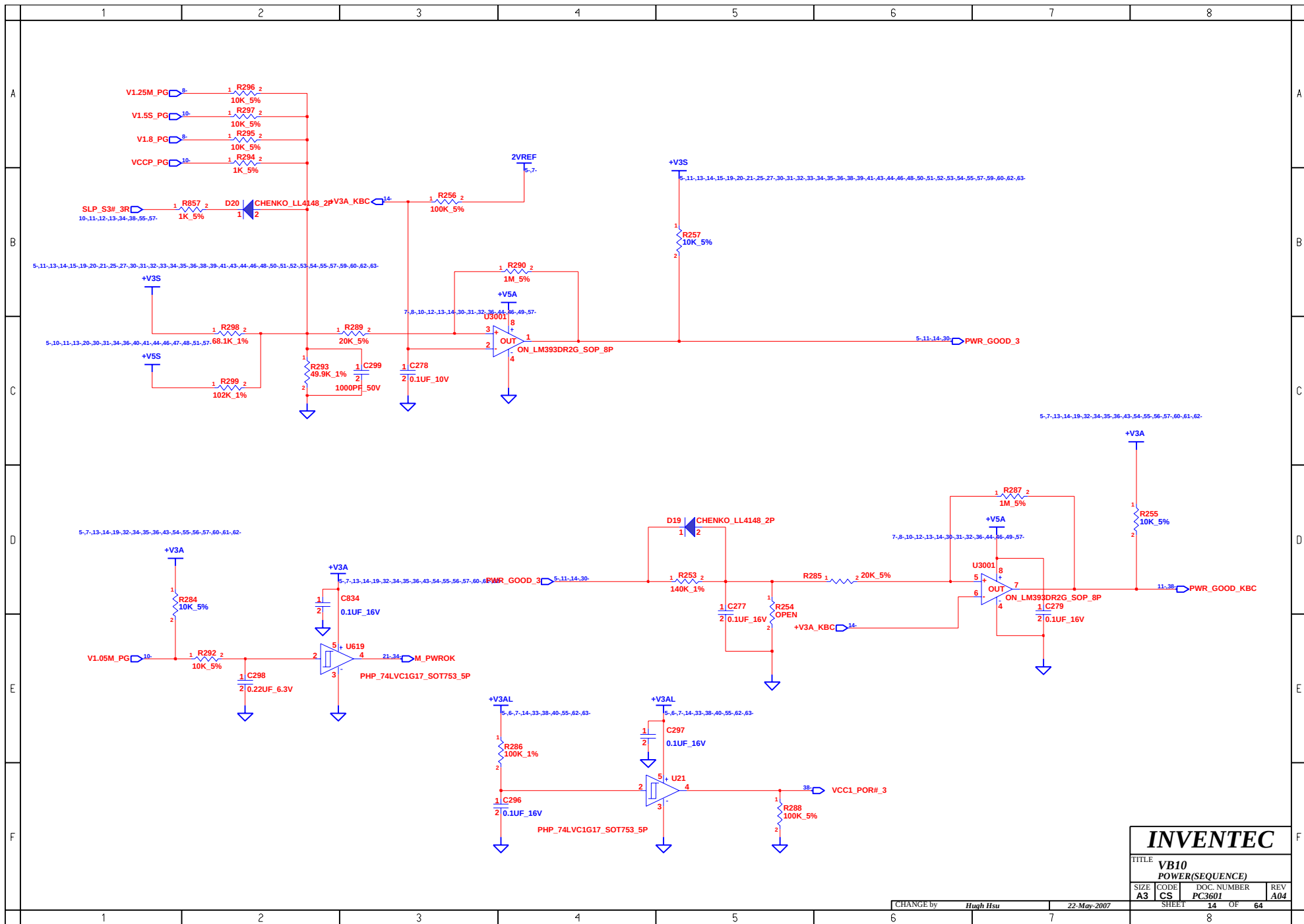


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SYSTEM POWER(+V1.5S/+V1.05M)			
SIZE A3	CODE CS	DOC. NUMBER PC3601	REV A04
CHANGE by Hugh Hsu		22-May-2007	
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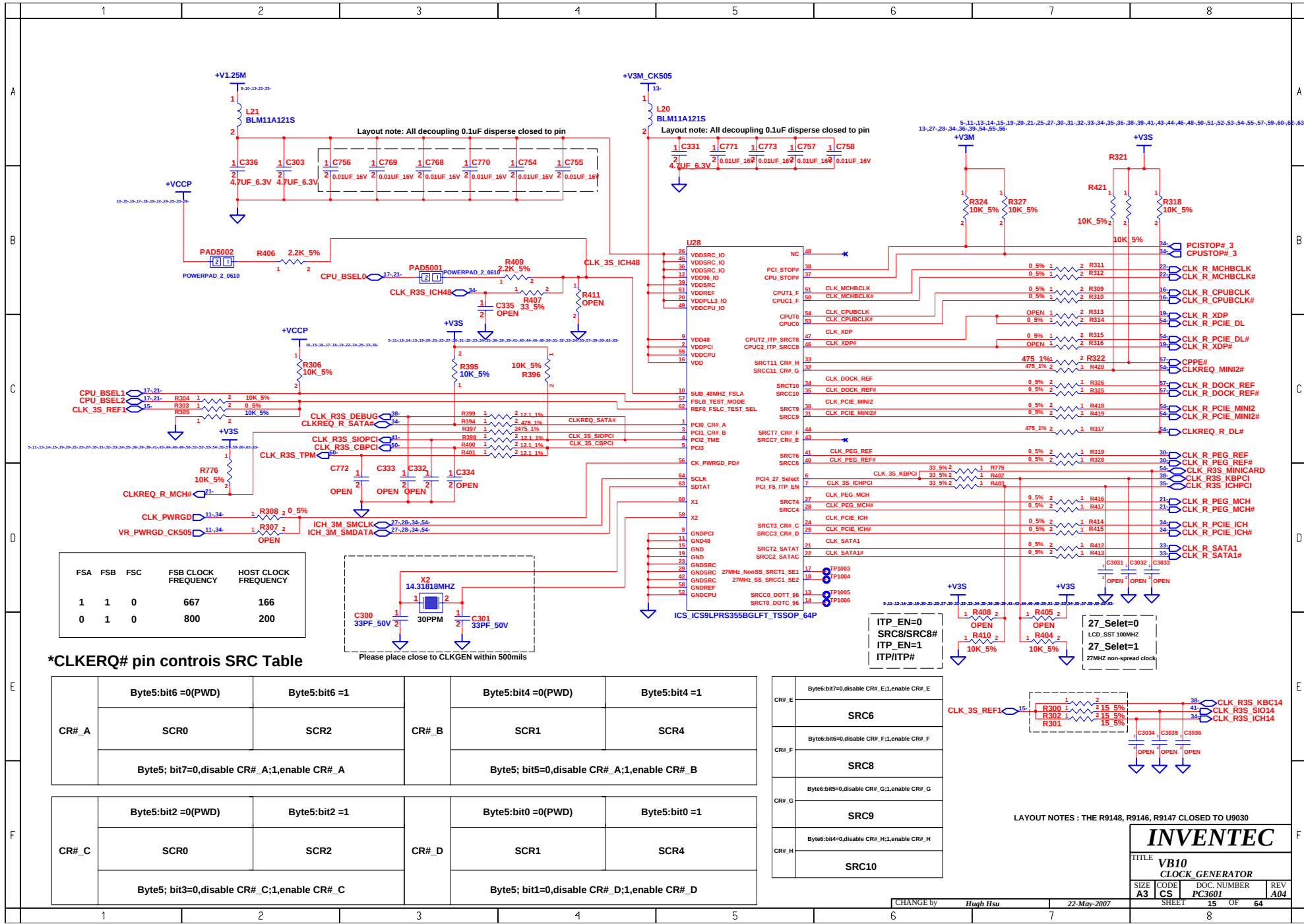


INVENTEC

TITLE			
VB10			
POWER(SEQUENCE)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	PC3601	A04

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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
	SCR0	SCR2		SCR1	SCR4
Byte5; bit7=0,disable CR#_A;1,enable CR#_A			Byte5; bit5=0,disable CR#_A;1,enable CR#_B		

CR#_C	Byte5:bit2 =0(PWD)	Byte5:bit2 =1	CR#_D	Byte5:bit0 =0(PWD)	Byte5:bit0 =1
	SCR0	SCR2		SCR1	SCR4
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
	SCR6
CR#_F	Byte6:bit6=0,disable CR#_F;1,enable CR#_F
	SCR8
CR#_G	Byte6:bit5=0,disable CR#_G;1,enable CR#_G
	SCR9
CR#_H	Byte6:bit4=0,disable CR#_H;1,enable CR#_H
	SCR10

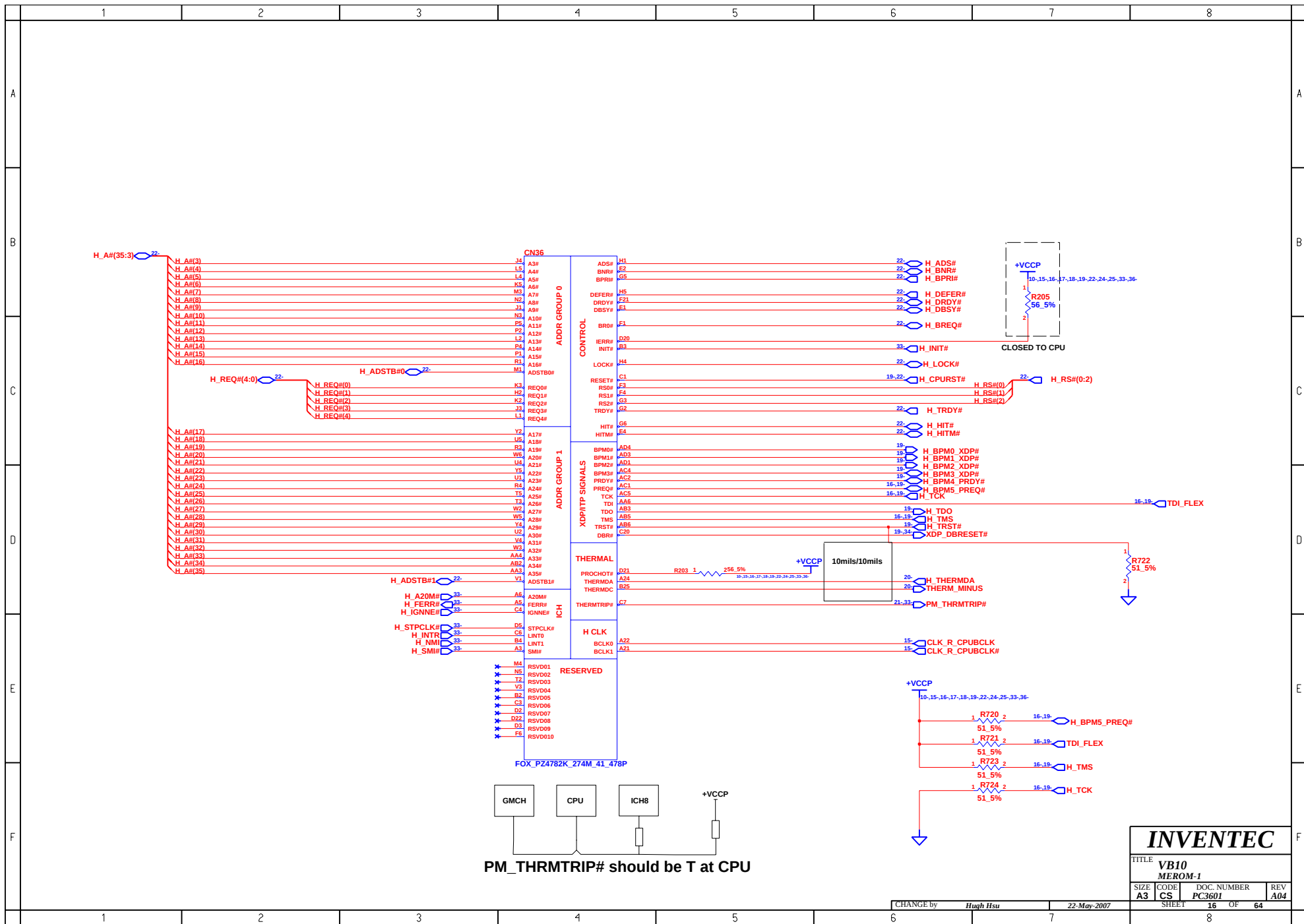
LAYOUT NOTES : THE R9148, R9146, R9147 CLOSED TO U9030

INVENTEC

TITLE
VB10
CLOCK GENERATOR

SIZE A3	CODE CS	DOC. NUMBER PC3601	REV A04
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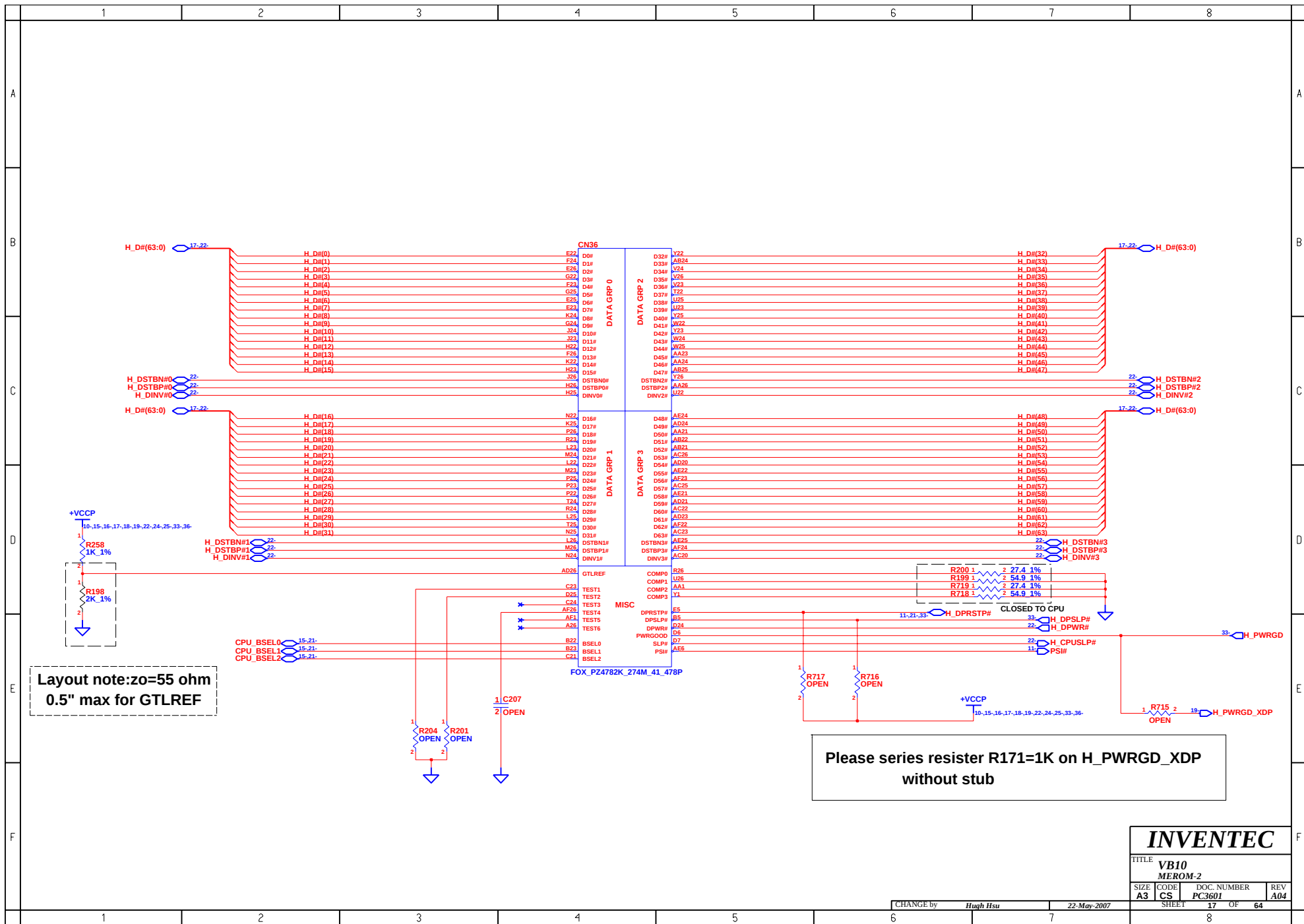


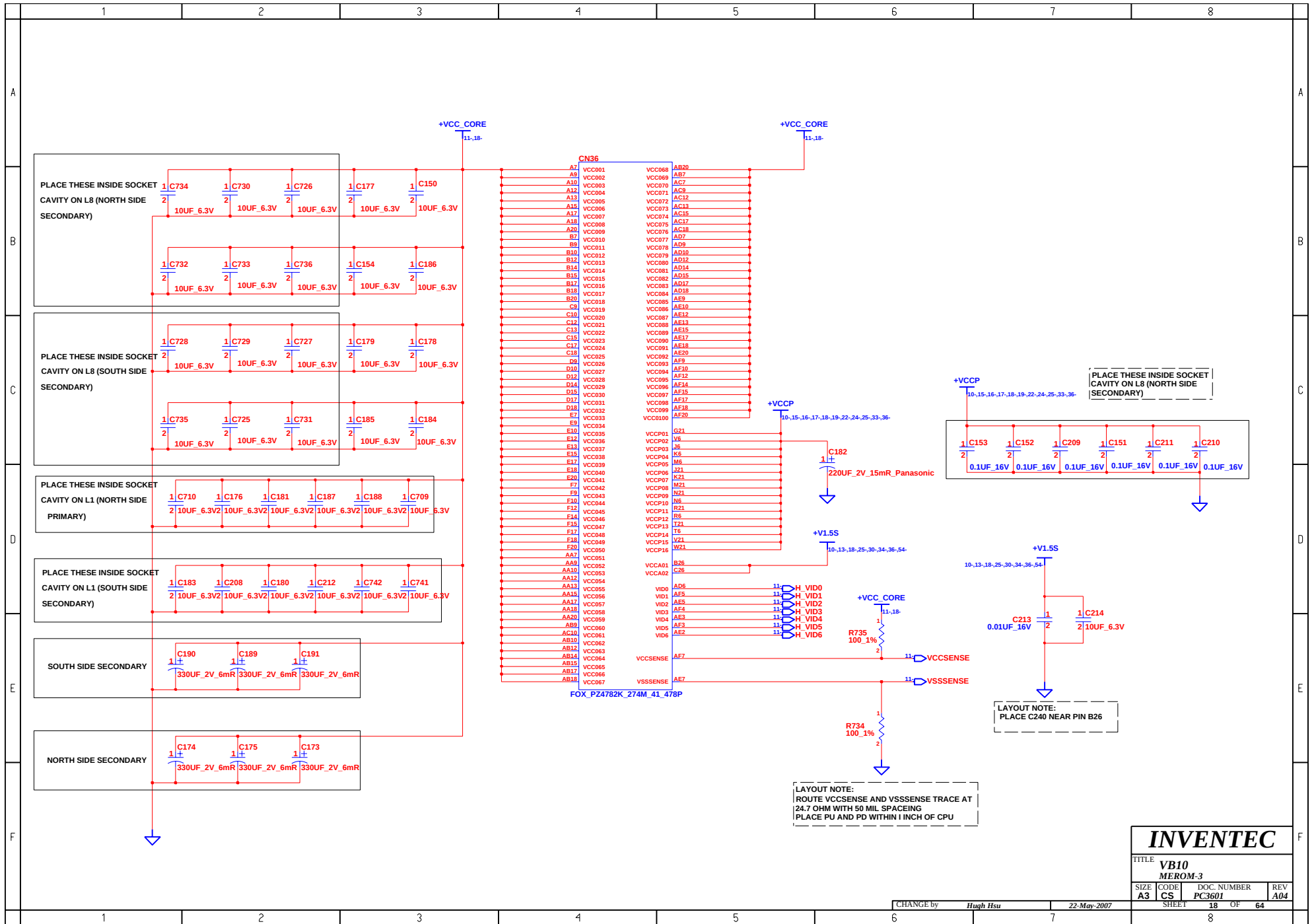
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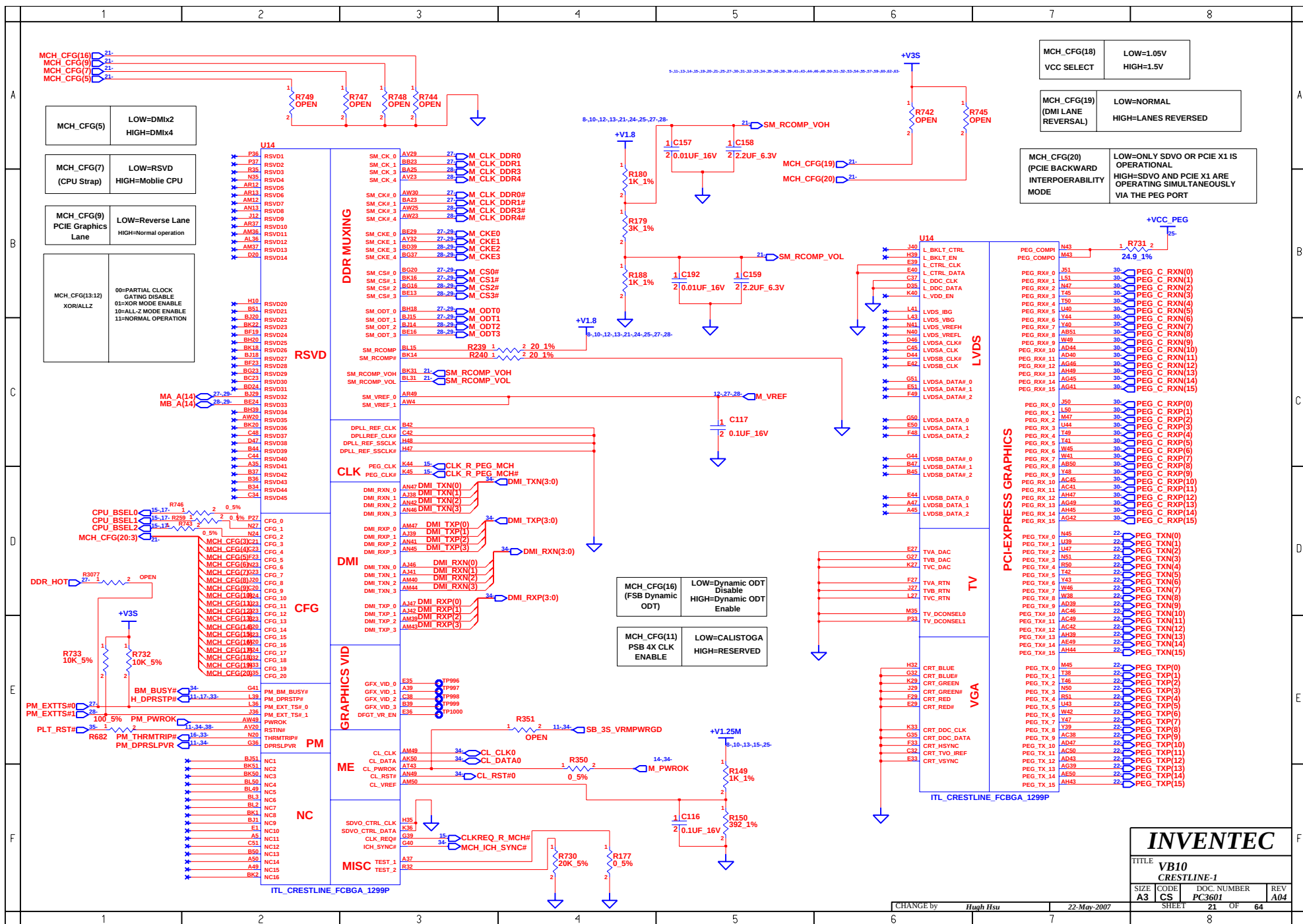
TITLE			
VB10			
MEROM-1			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	PC3601	A04

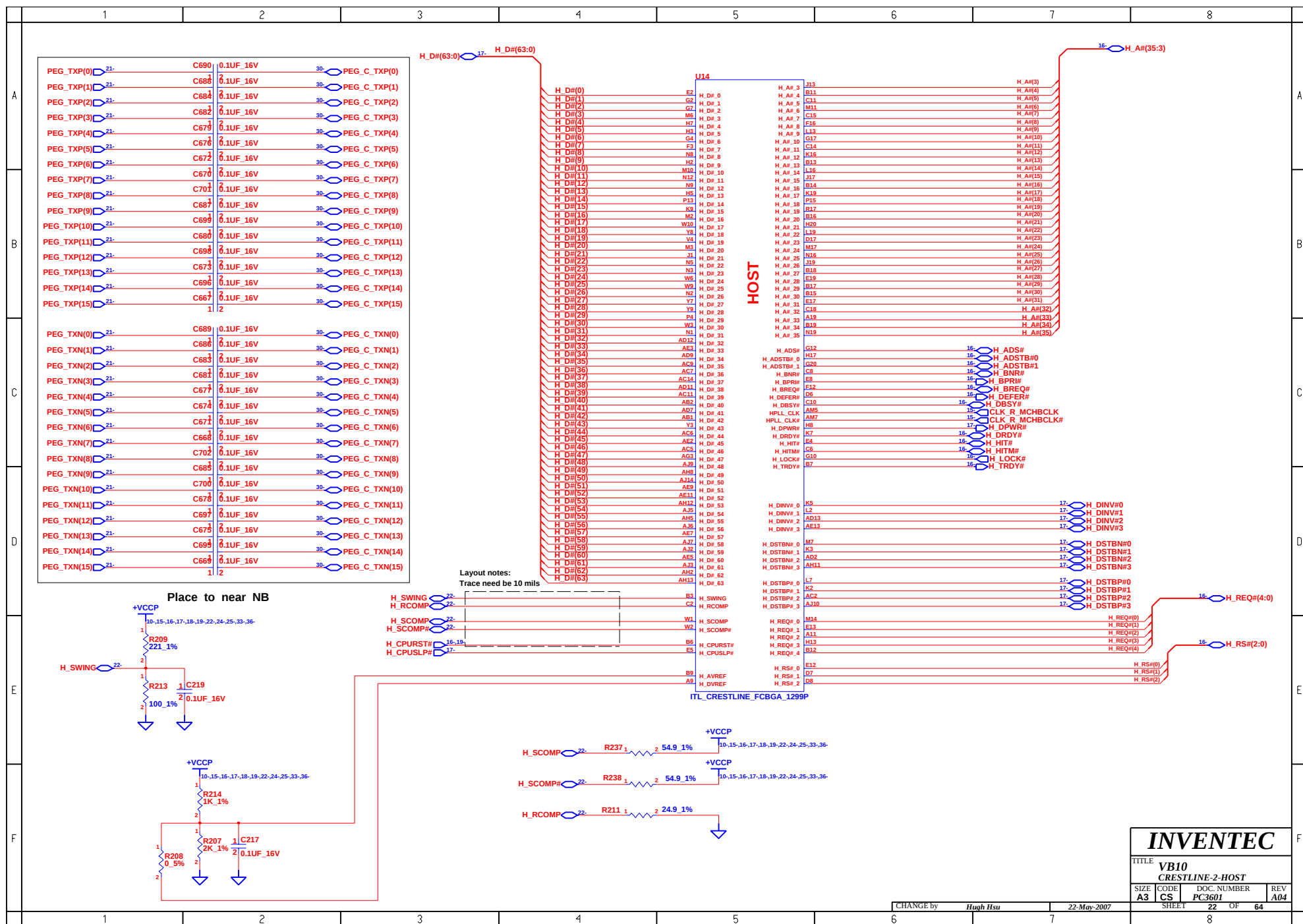
CHANGE by *Hugh Hsu* 22-May-2007

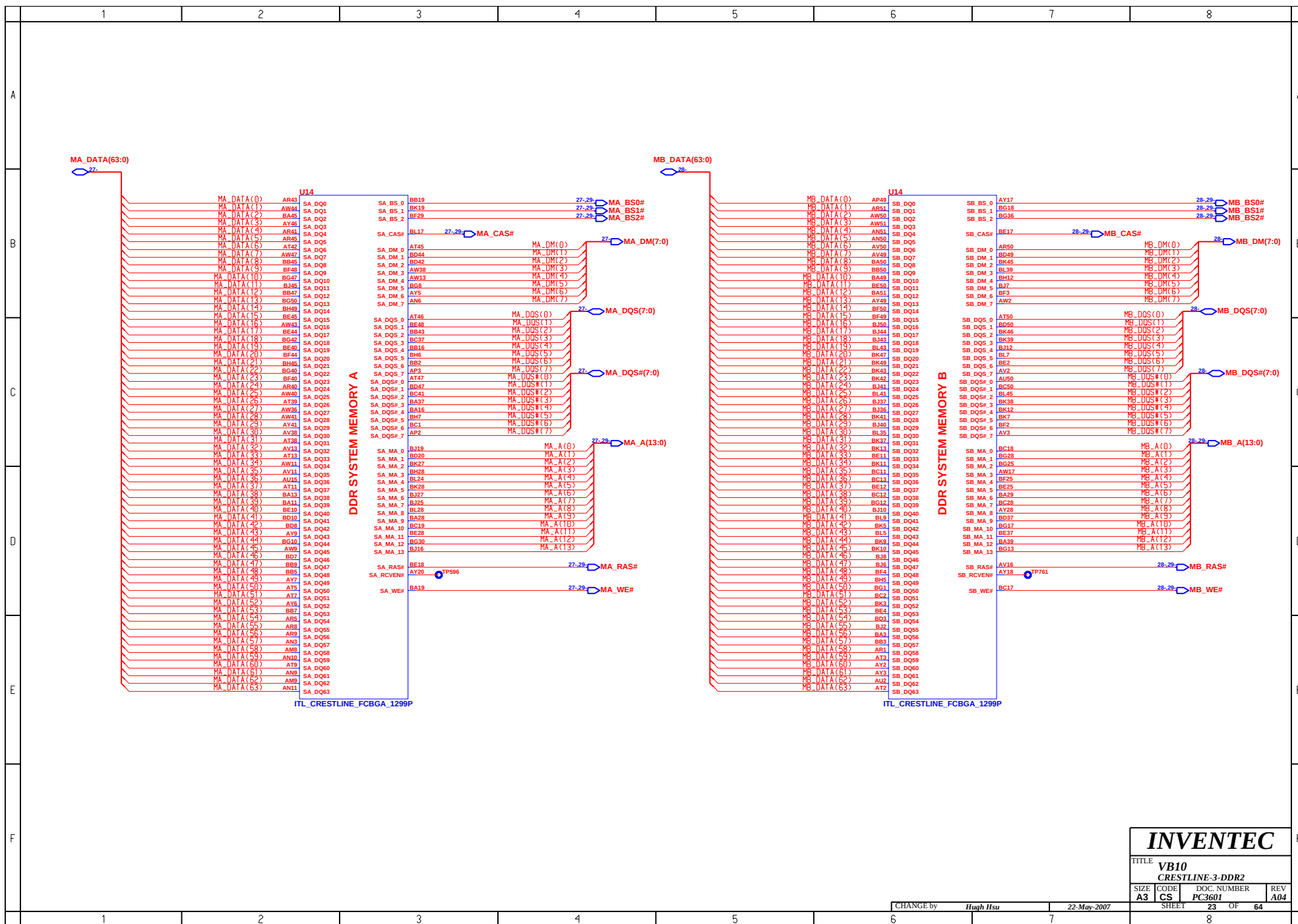
SHEET 16 OF 64

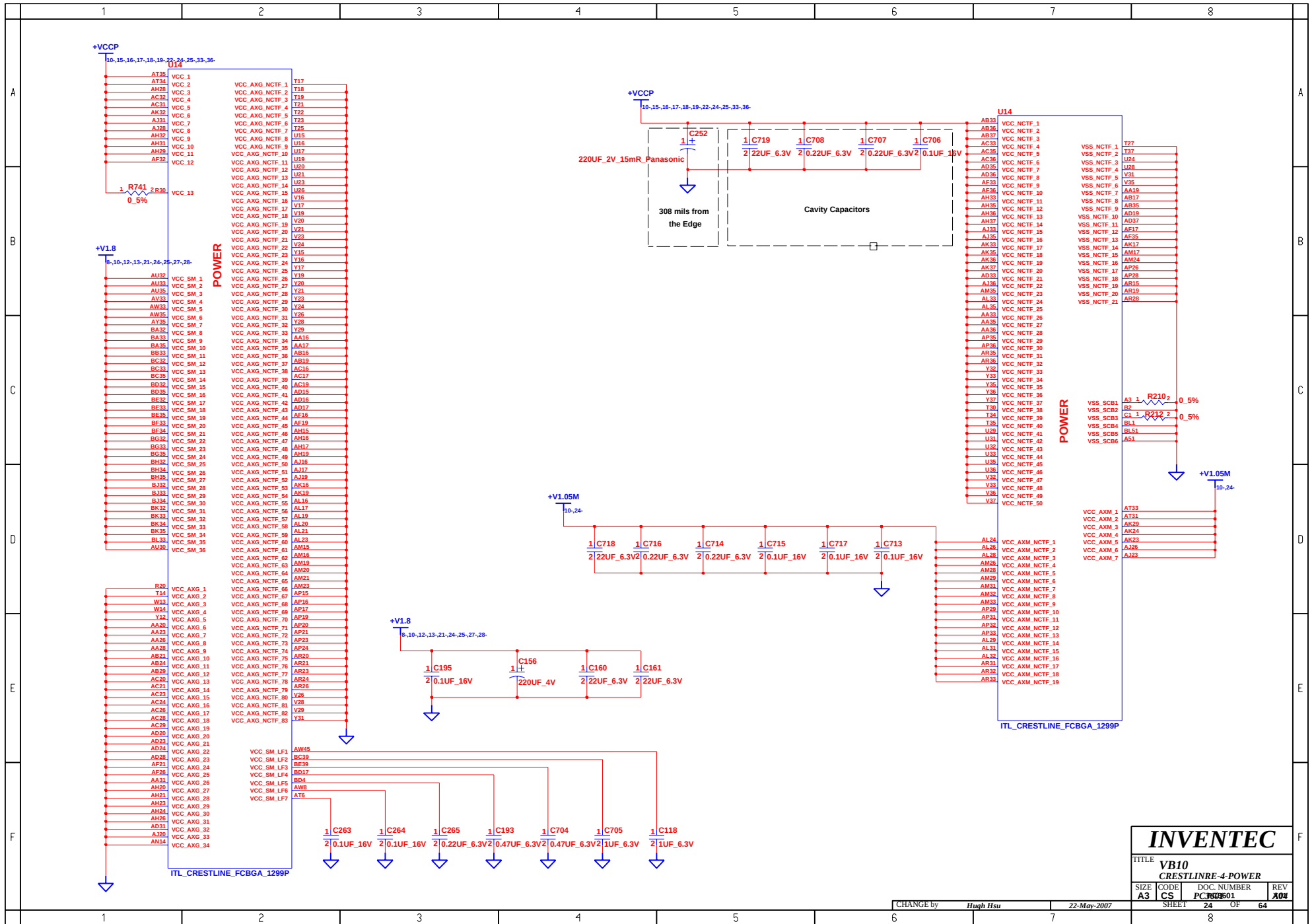


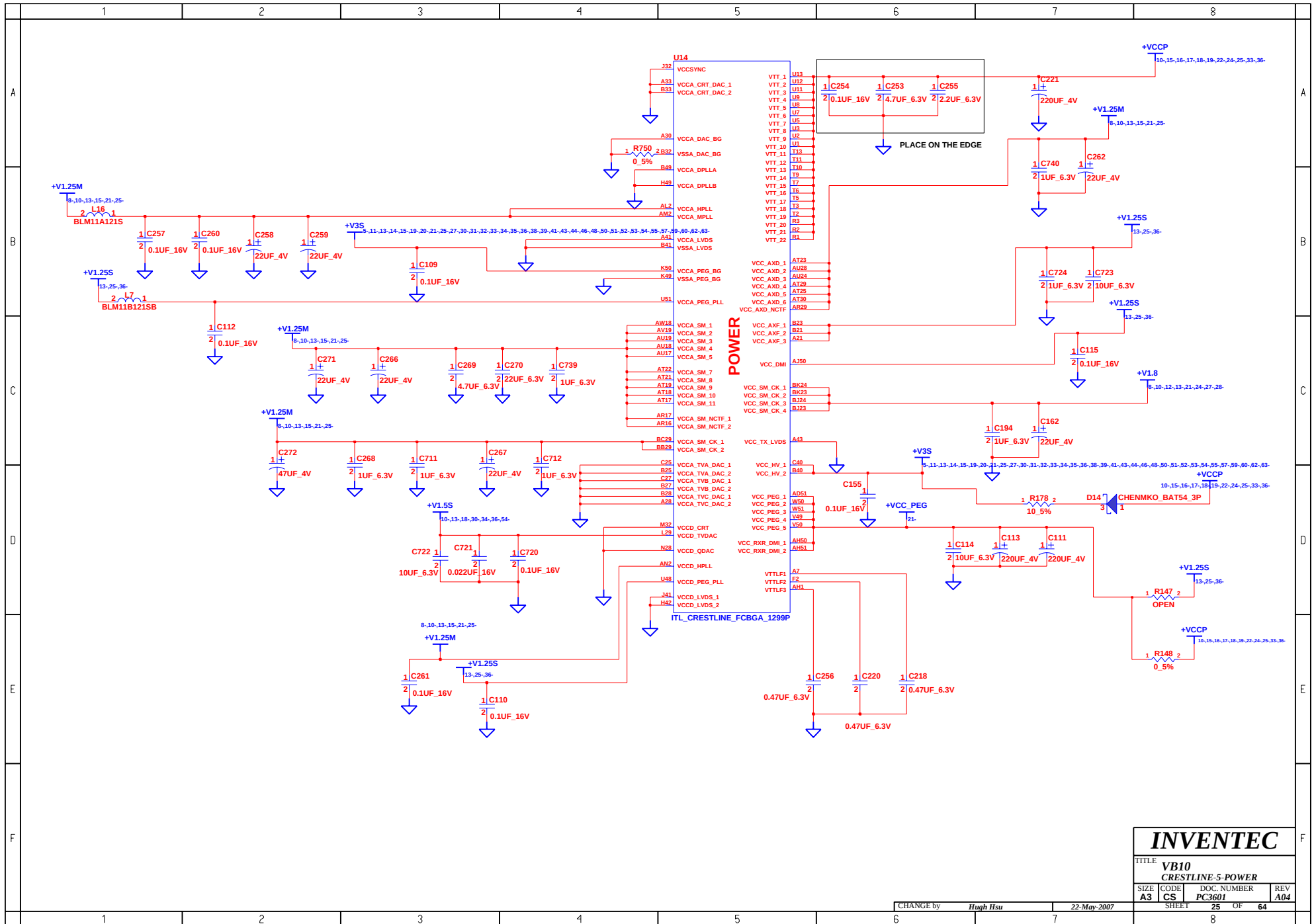


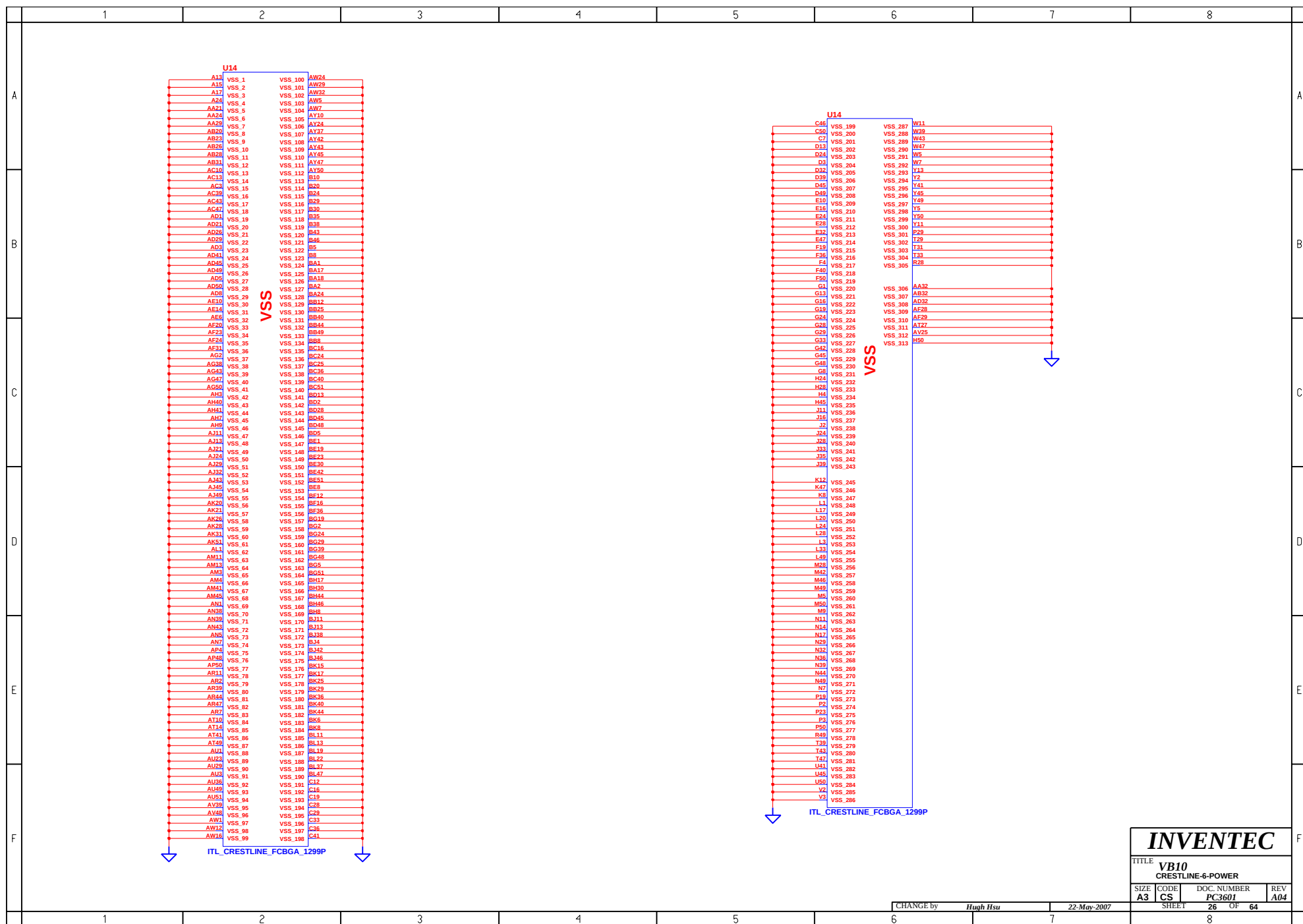


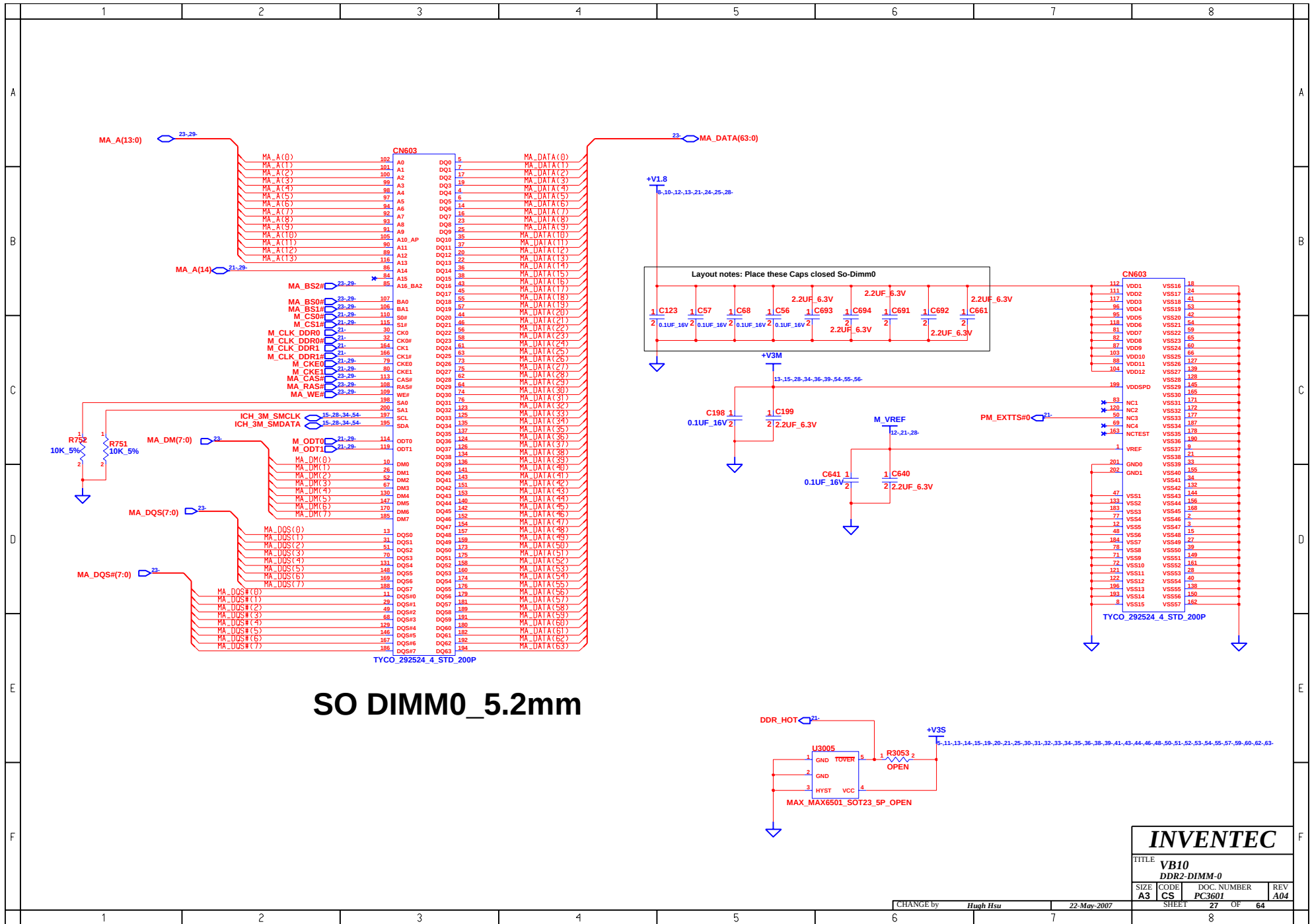


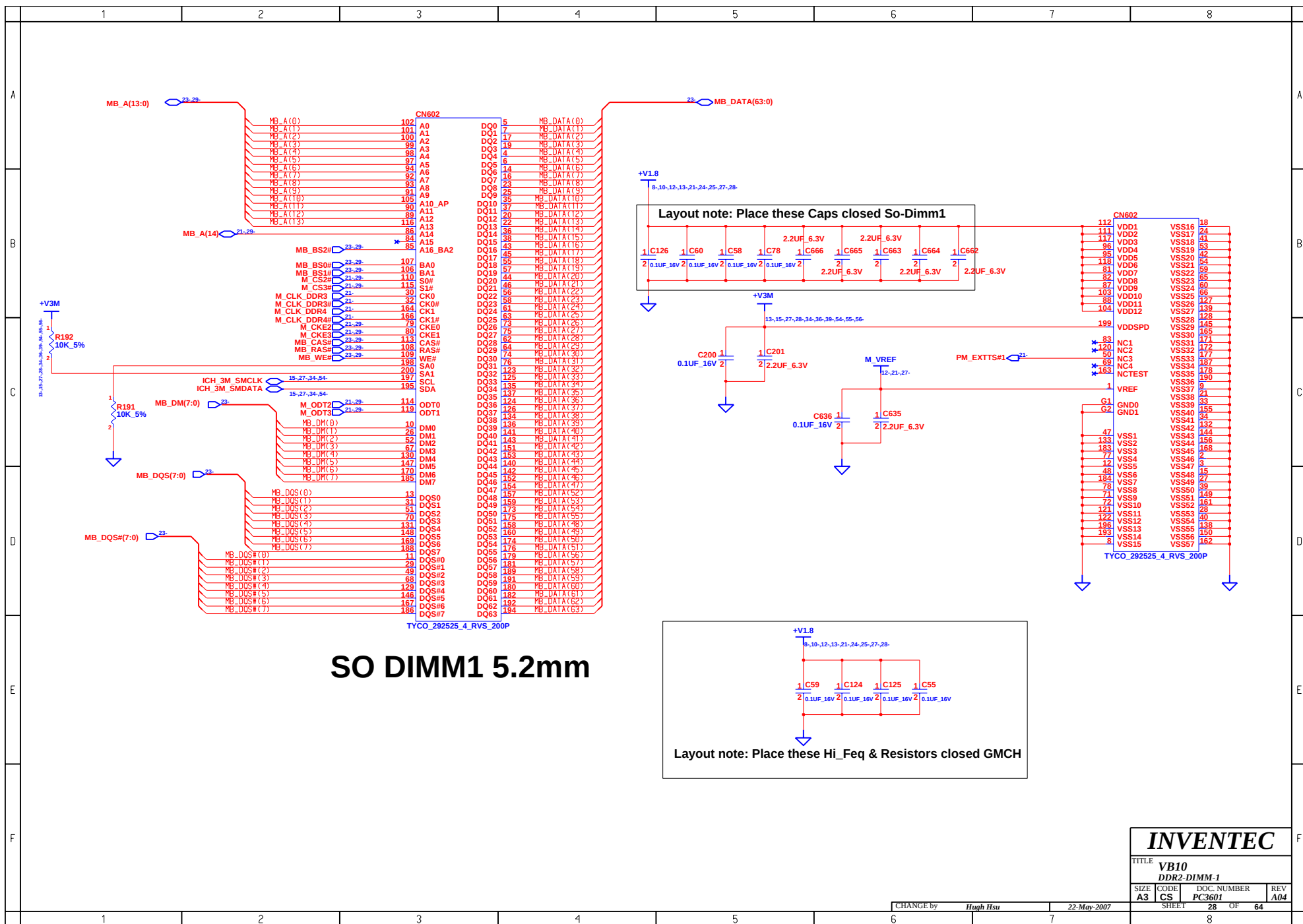


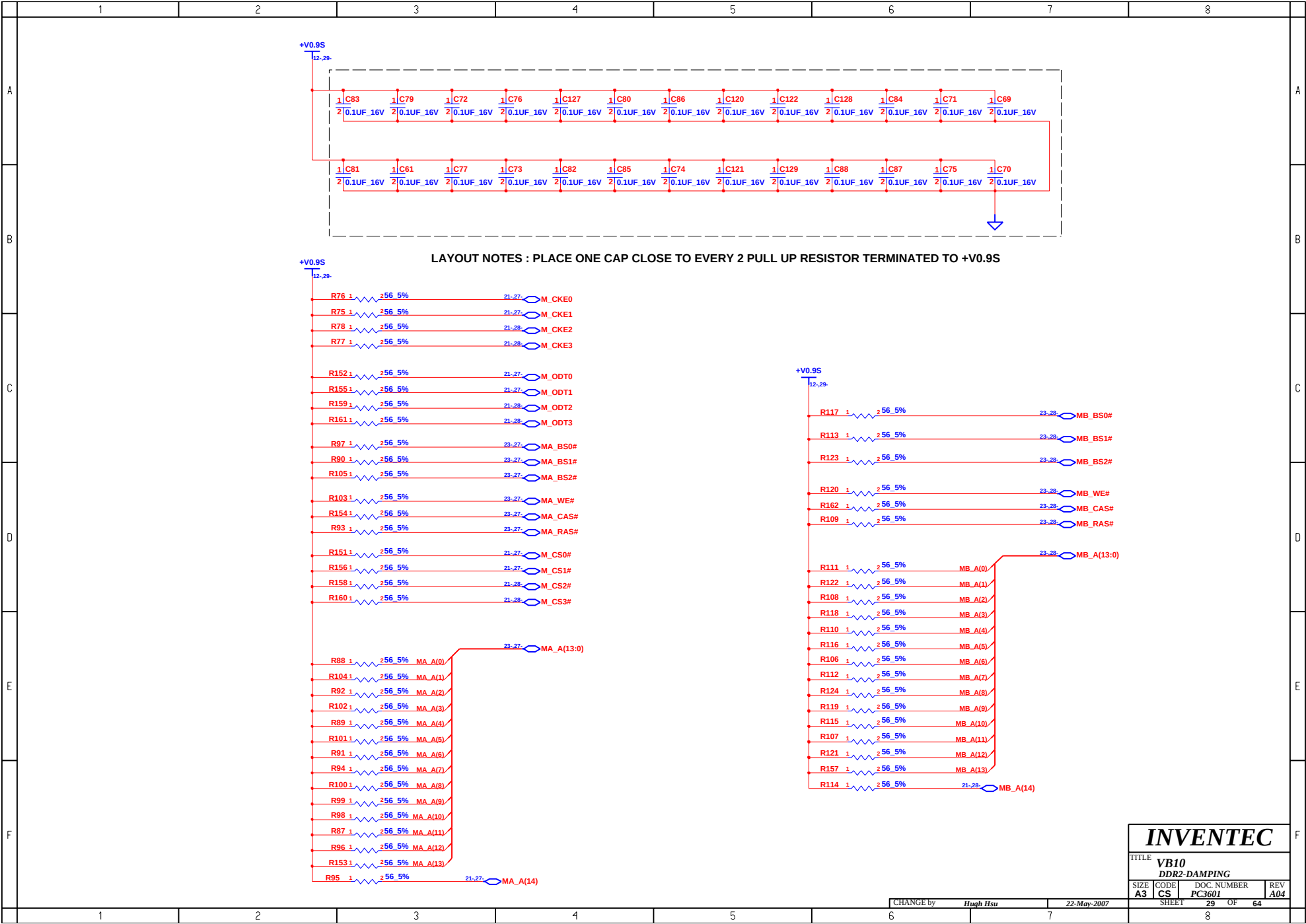


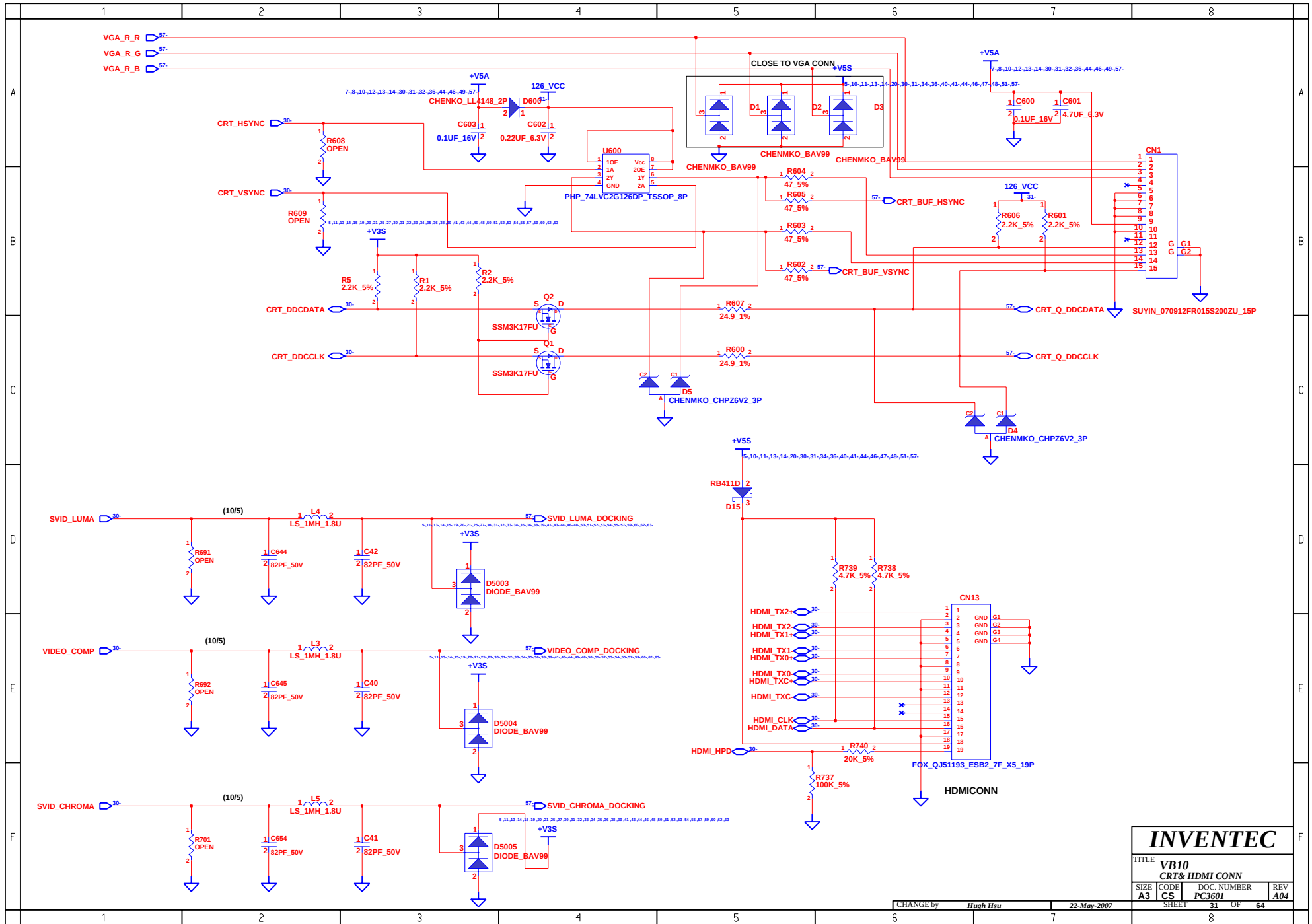




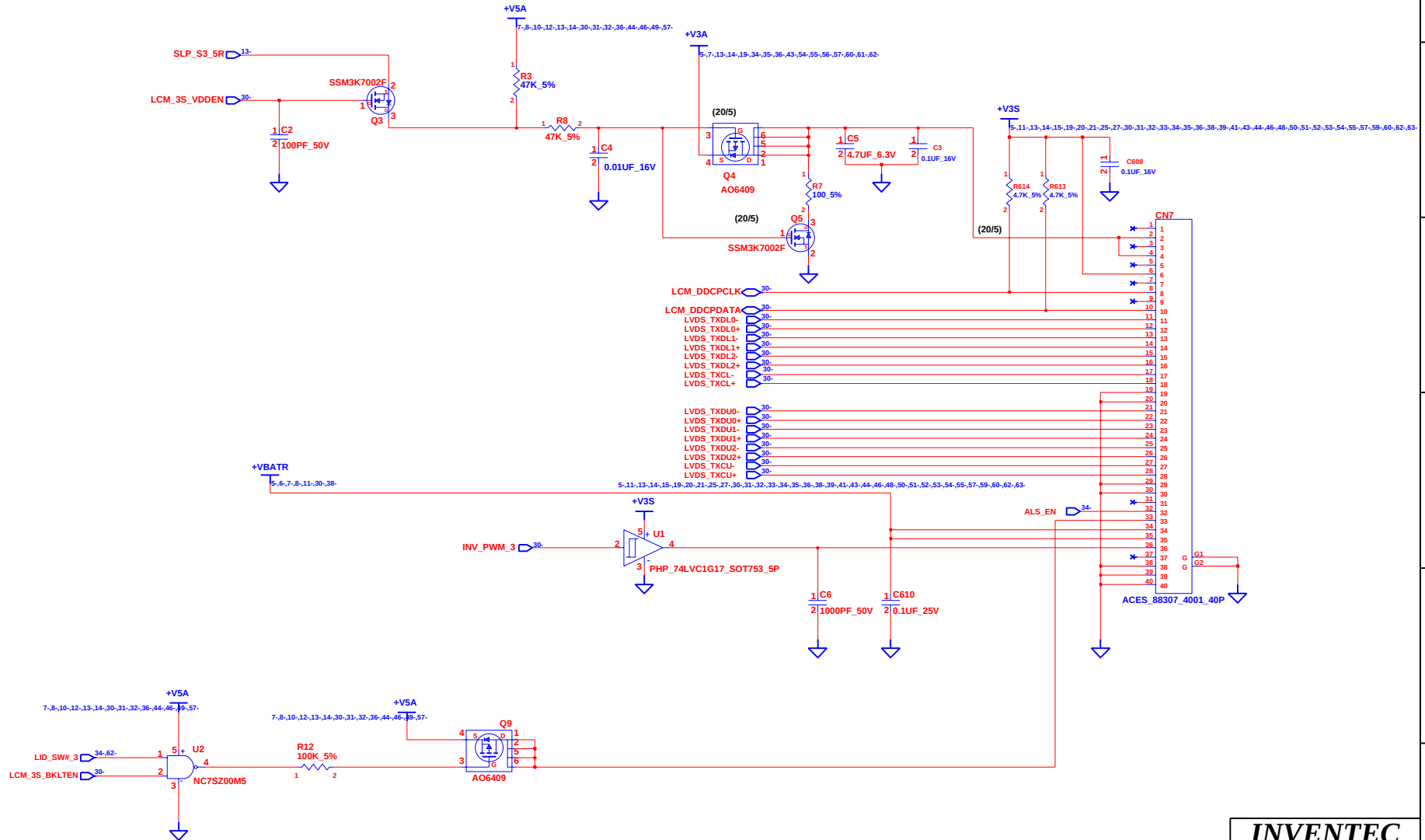








Place closed to connector

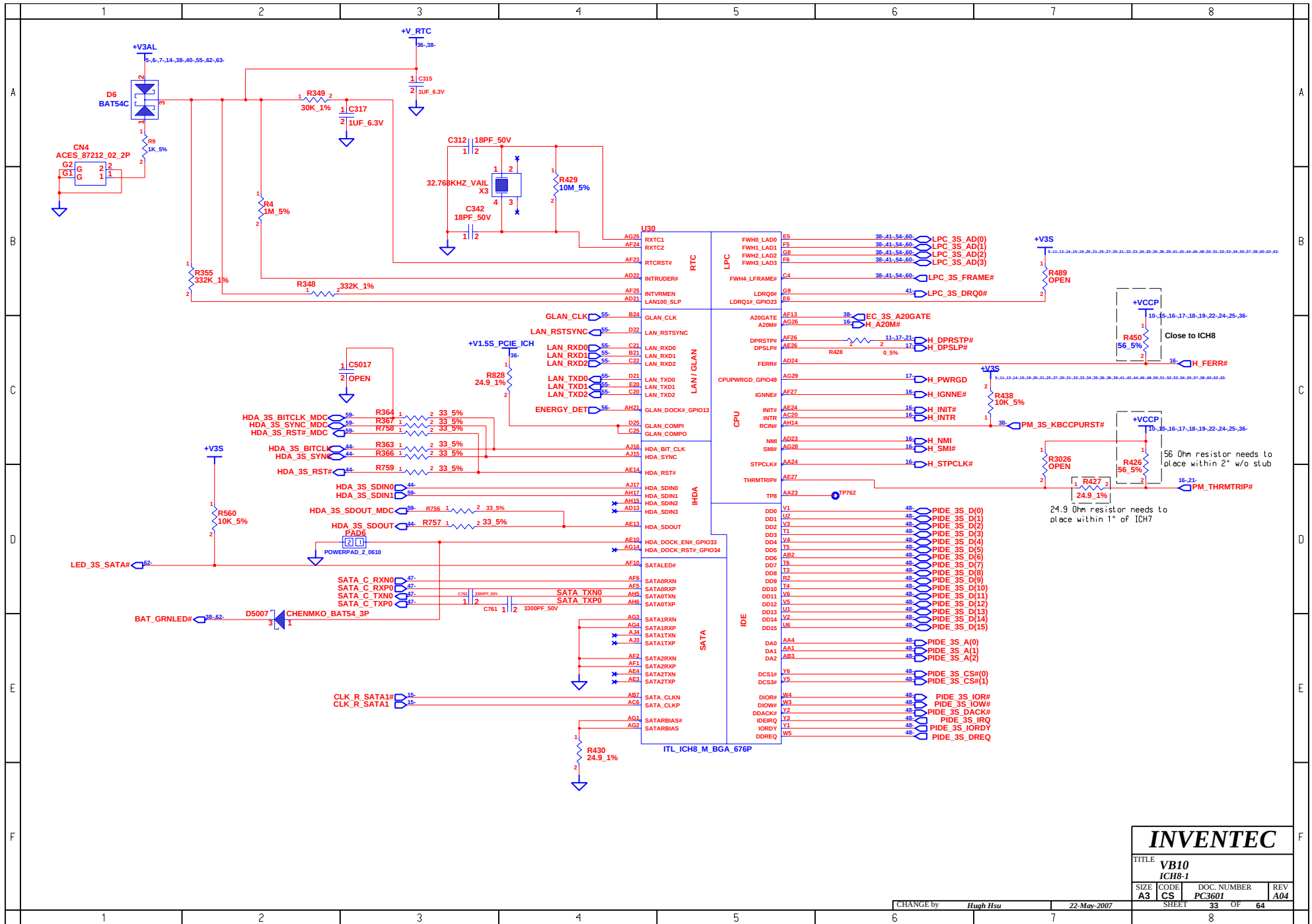


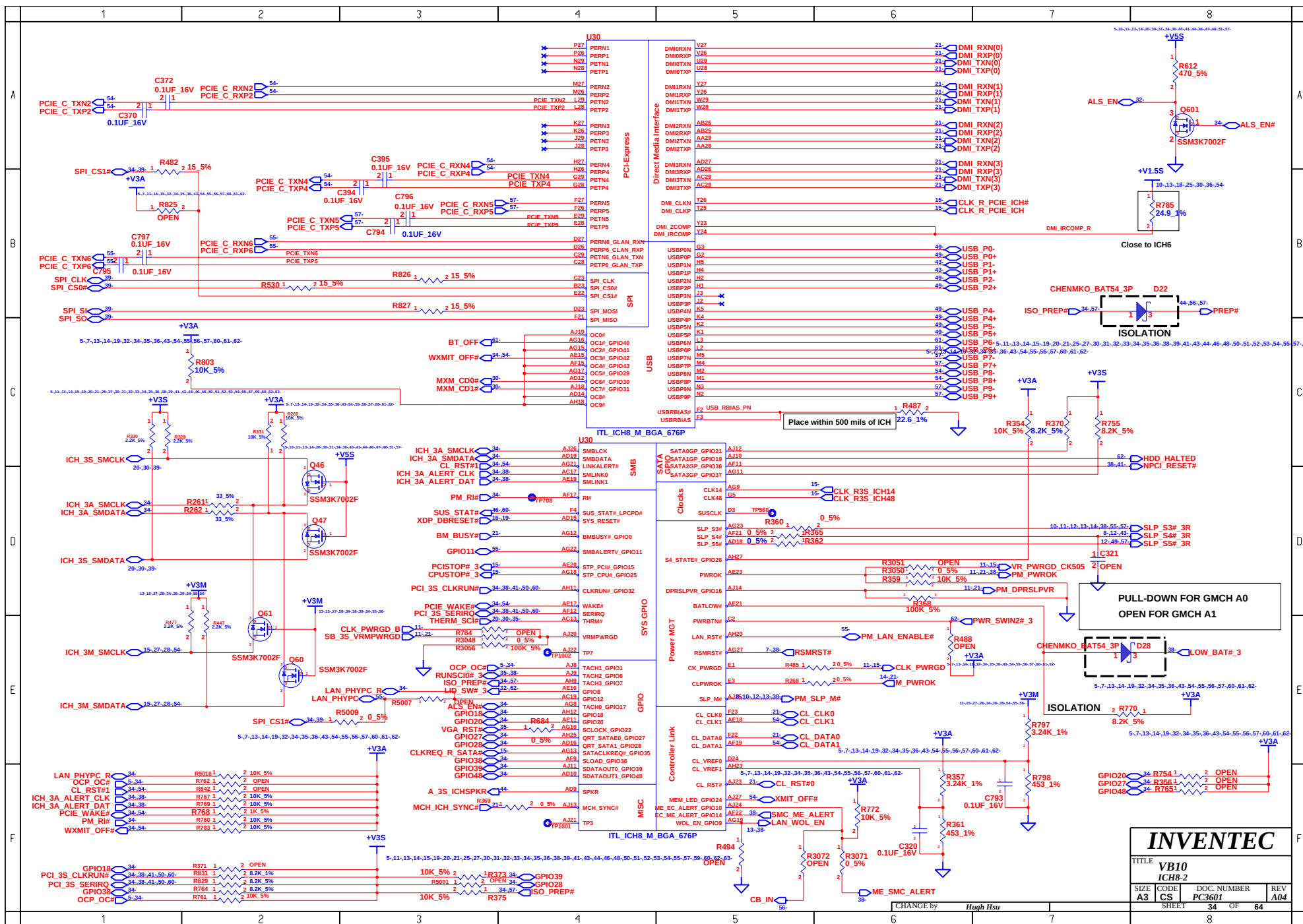
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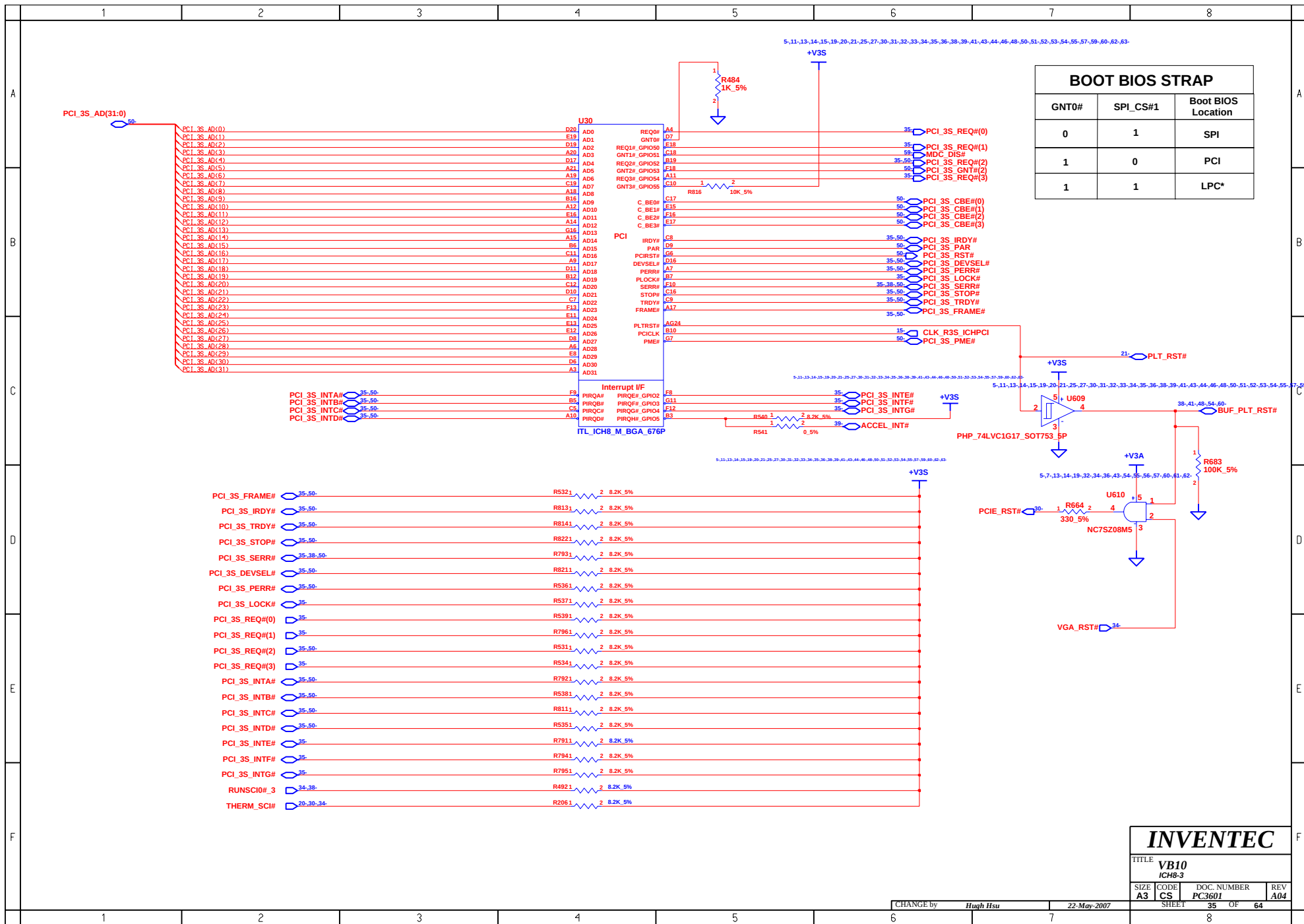
TITLE			
VB10 LCD CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	PC3601	A04

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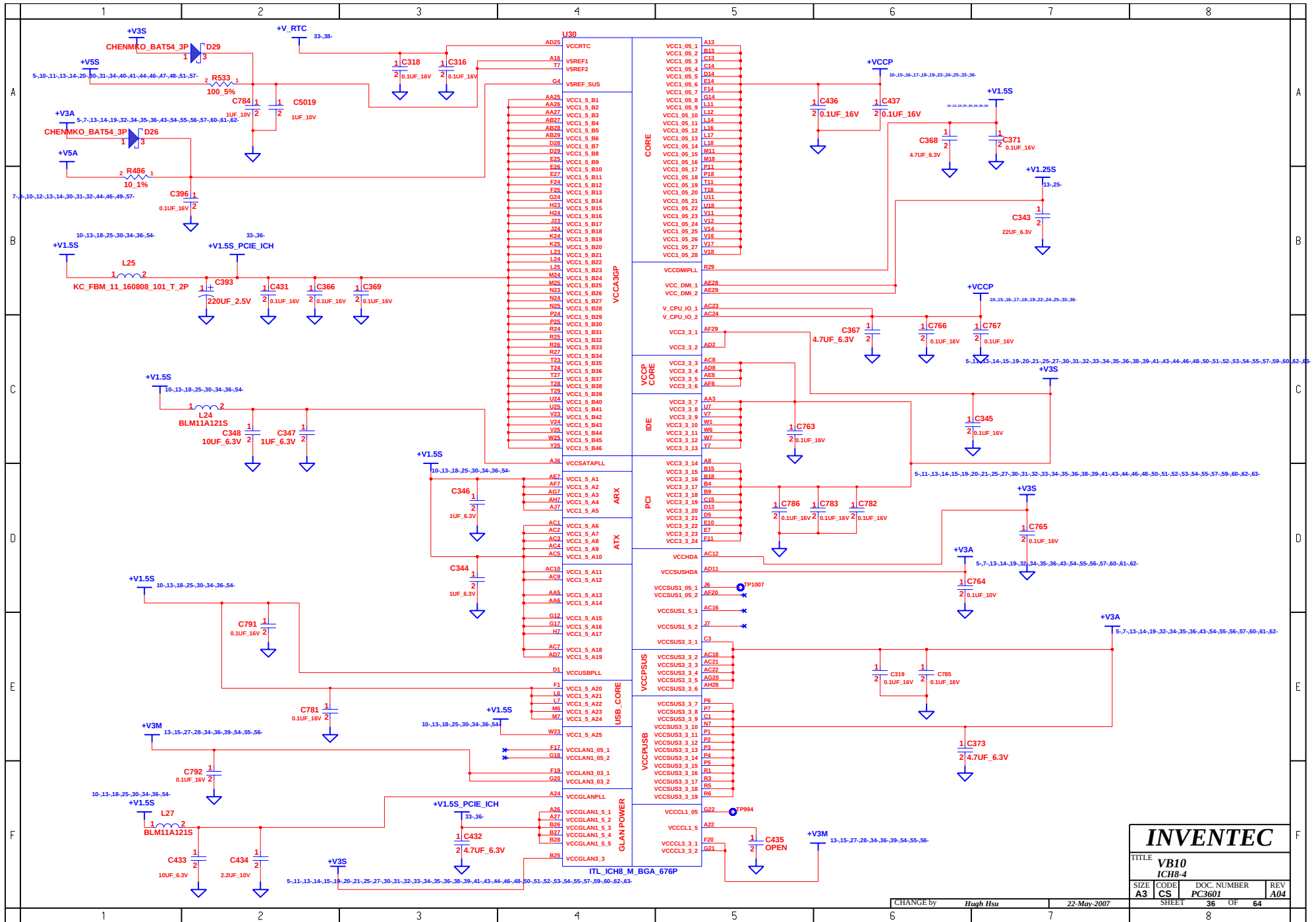




BOOT BIOS STRAP		
GNT0#	SPI_CS#1	Boot BIOS Location
0	1	SPI
1	0	PCI
1	1	LPC*

INVENTEC

TITLE VB10 ICH8-3			
SIZE A3	CODE CS	DOC. NUMBER PC3601	REV A04
CHANGE by Hugh Hsu		22-May-2007	
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INVENTEC

TITLE
VB10
ICH8-4

SIZE	CODE	DOC. NUMBER	REV
A3	CS	PC3601	A04

CHANGE by *Hugh Hsu* 22-May-2007

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

U30		
A23	VSS001	VSS099
AA2	VSS002	VSS100
AA7	VSS003	VSS101
AA8	VSS004	VSS102
AB1	VSS005	VSS103
AB24	VSS006	VSS104
AC11	VSS007	VSS105
AC14	VSS008	VSS106
AC25	VSS009	VSS107
AC26	VSS010	VSS108
AC27	VSS011	VSS109
AD17	VSS012	VSS110
AD20	VSS013	VSS111
AD28	VSS014	VSS112
AD29	VSS015	VSS113
AD3	VSS016	VSS114
AD4	VSS017	VSS115
AD6	VSS018	VSS116
AE1	VSS019	VSS117
AE12	VSS020	VSS118
AE2	VSS021	VSS119
AE22	VSS022	VSS120
AD1	VSS023	VSS121
AE24	VSS024	VSS122
AE5	VSS025	VSS123
AE6	VSS026	VSS124
AE9	VSS027	VSS125
AF14	VSS028	VSS126
AF16	VSS029	VSS127
AF18	VSS030	VSS128
AF19	VSS031	VSS129
AF3	VSS032	VSS130
AF4	VSS033	VSS131
AG5	VSS034	VSS132
AG6	VSS035	VSS133
AH10	VSS036	VSS134
AH13	VSS037	VSS135
AH16	VSS038	VSS136
AH19	VSS039	VSS137
AH2	VSS040	VSS138
AF28	VSS041	VSS139
AH22	VSS042	VSS140
AH24	VSS043	VSS141
AH26	VSS044	VSS142
AH3	VSS045	VSS143
AH4	VSS046	VSS144
AH8	VSS047	VSS145
AJ5	VSS048	VSS146
B11	VSS049	VSS147
B14	VSS050	VSS148
B17	VSS051	VSS149
B2	VSS052	VSS150
B20	VSS053	VSS151
B22	VSS054	VSS152
B8	VSS055	VSS153
C24	VSS056	VSS154
C26	VSS057	VSS155
C27	VSS058	VSS156
C4	VSS059	VSS157
D12	VSS060	VSS158
D15	VSS061	VSS159
D18	VSS062	VSS160
D2	VSS063	VSS161
D4	VSS064	VSS162
E21	VSS065	VSS163
E24	VSS066	VSS164
F4	VSS067	VSS165
E9	VSS068	VSS166
F15	VSS069	VSS167
E24	VSS070	VSS168
F28	VSS071	VSS169
F29	VSS072	VSS170
F7	VSS073	VSS171
F4	VSS074	VSS172
E2	VSS075	VSS173
G10	VSS076	VSS174
G13	VSS077	VSS175
G19	VSS078	VSS176
G21	VSS079	VSS177
G25	VSS080	VSS178
G26	VSS081	VSS179
G27	VSS082	VSS180
H25	VSS083	VSS181
H28	VSS084	VSS182
H29	VSS085	VSS183
H2	VSS086	VSS184
H6	VSS087	VSS185
J1	VSS088	VSS186
J25	VSS089	VSS187
J26	VSS090	VSS188
J27	VSS091	VSS189
J4	VSS092	VSS190
J5	VSS093	VSS191
K21	VSS094	VSS192
K28	VSS095	VSS193
K29	VSS096	VSS194
K3	VSS097	VSS195
K8	VSS098	VSS196

ITL_ICH8_M_BGA_676P



INVENTEC

TITLE VB10

ICH8-5

SIZE CODE DOC. NUMBER REV

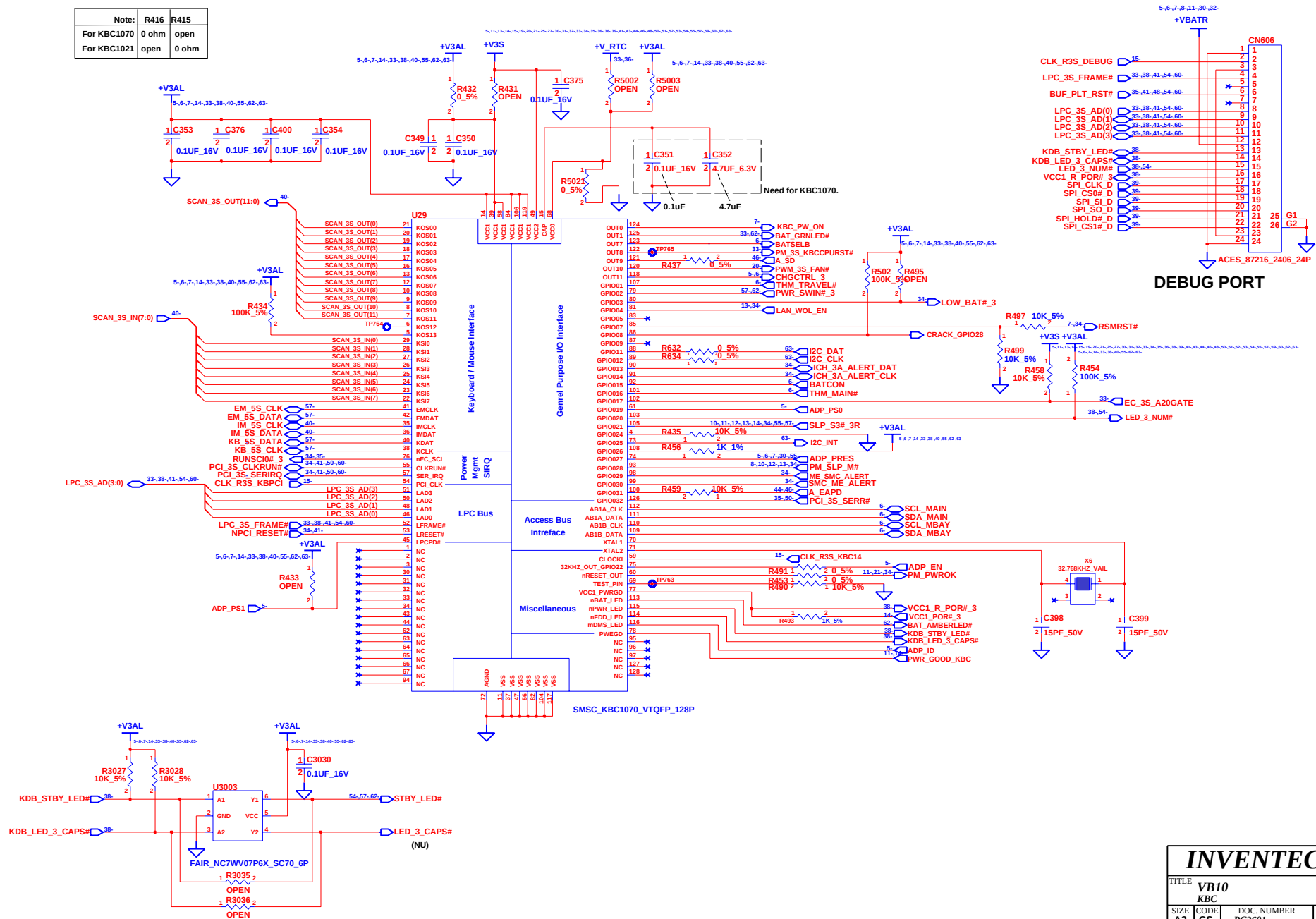
A3 CS PC3601 37 OF 64 A04

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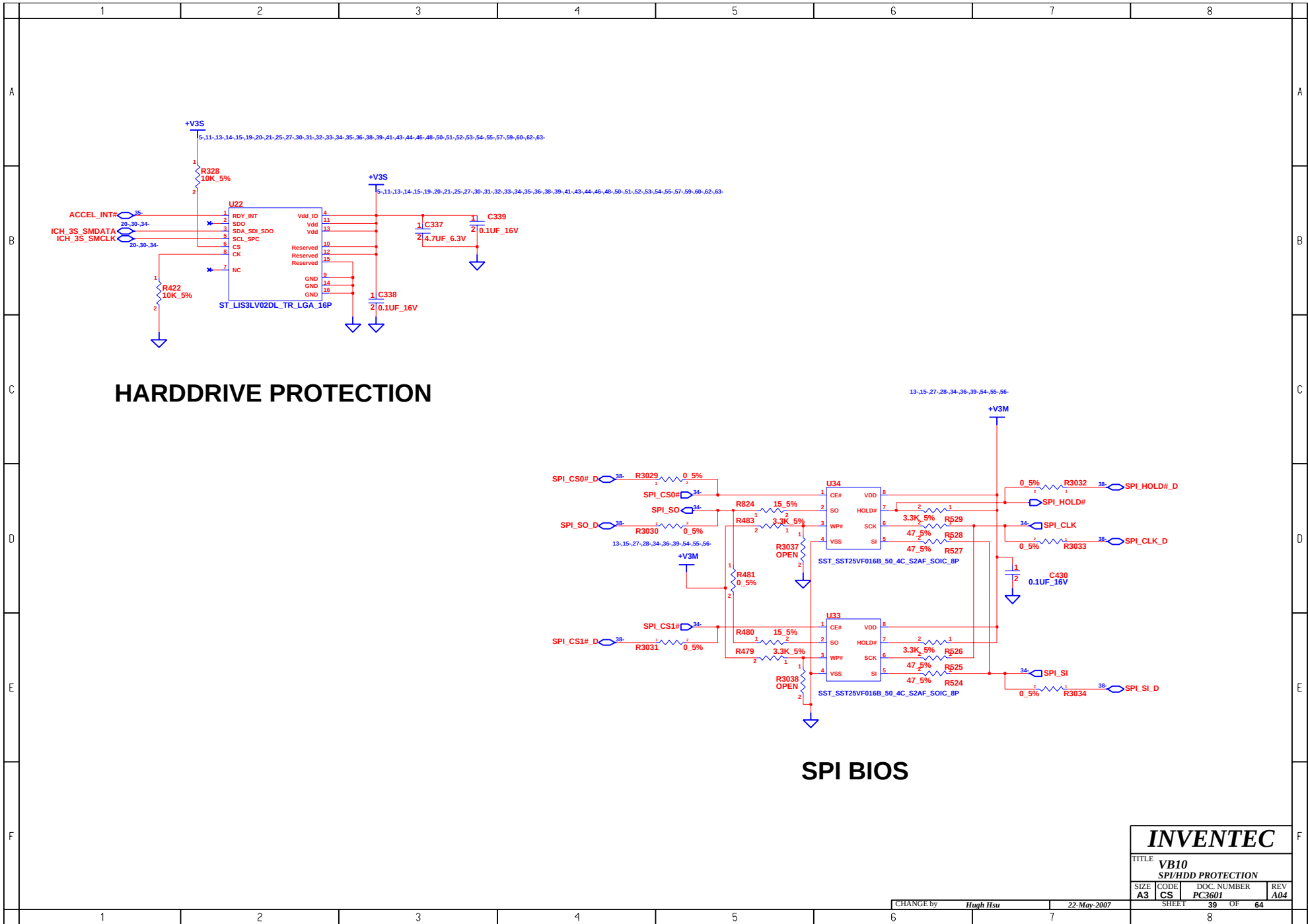
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For KBC1070	0 ohm	open
For KBC1021	open	0 ohm

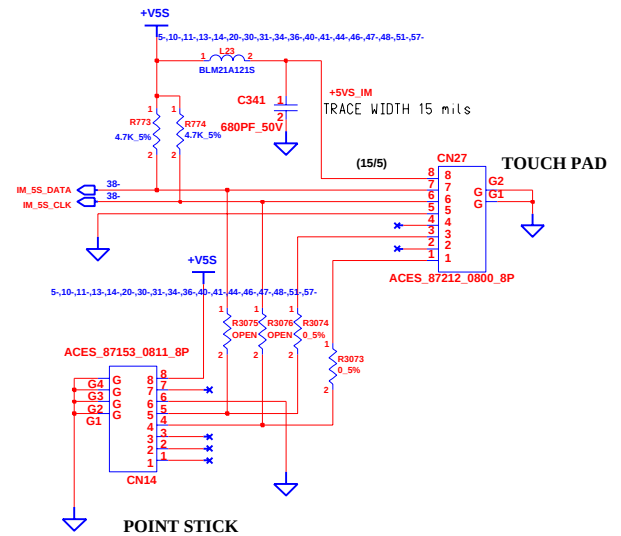
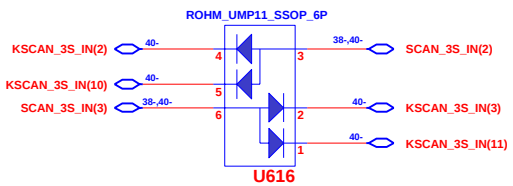
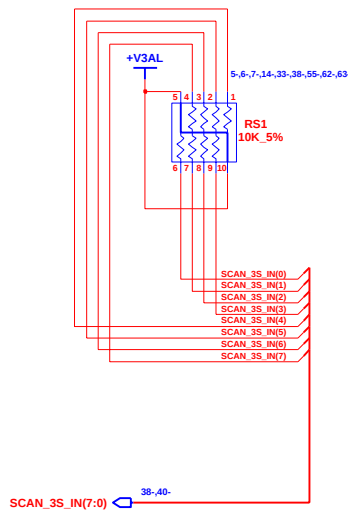
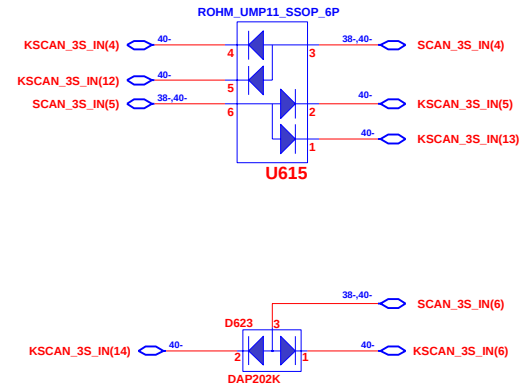
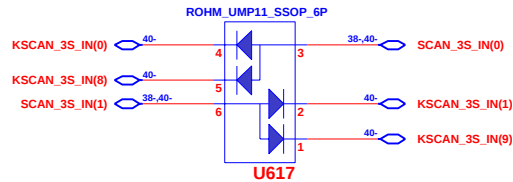
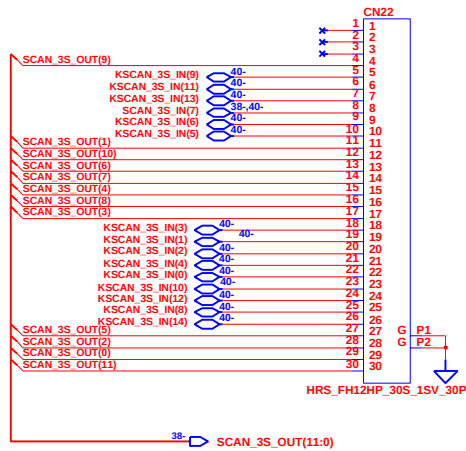


INVENTEC

TITLE VB10 KBC			
SIZE A3	CODE CS	DOC. NUMBER PC3601	REV A04
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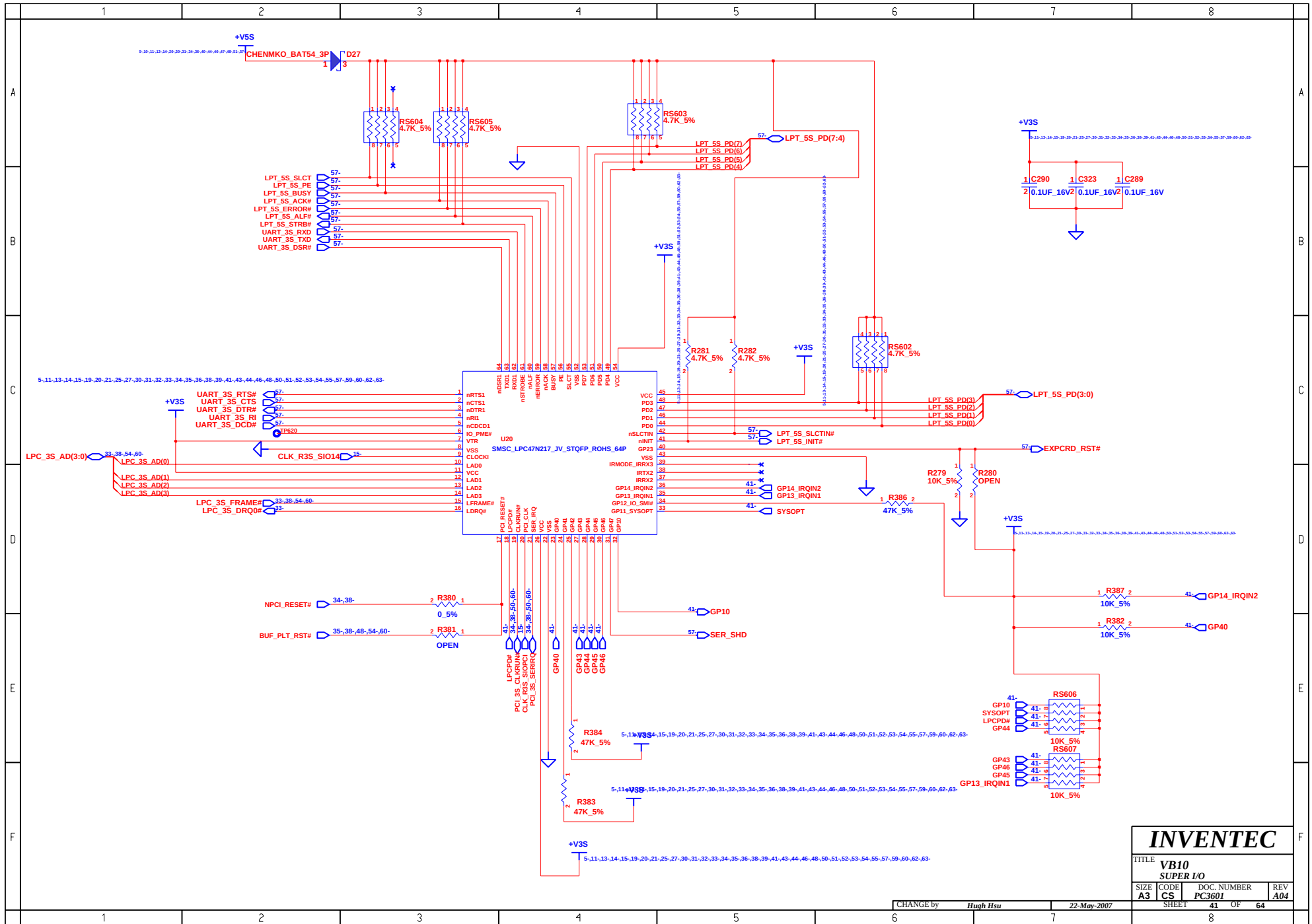


INVENTEC

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VB10			
INT.KB/POINT DEVICES			
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A3	CS	PC3601	A04

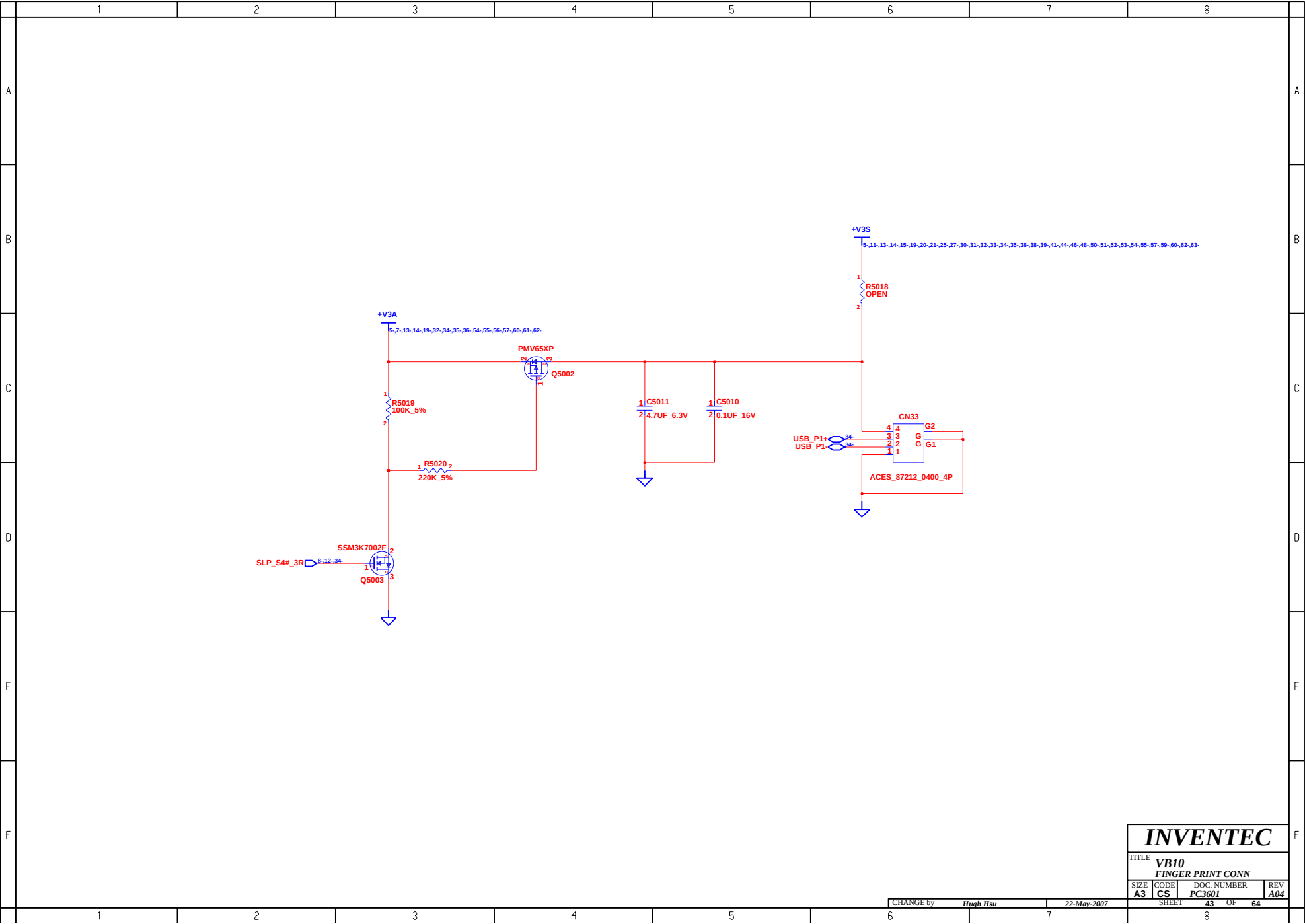
CHANGE by *Hugh Hsu* 22-May-2007

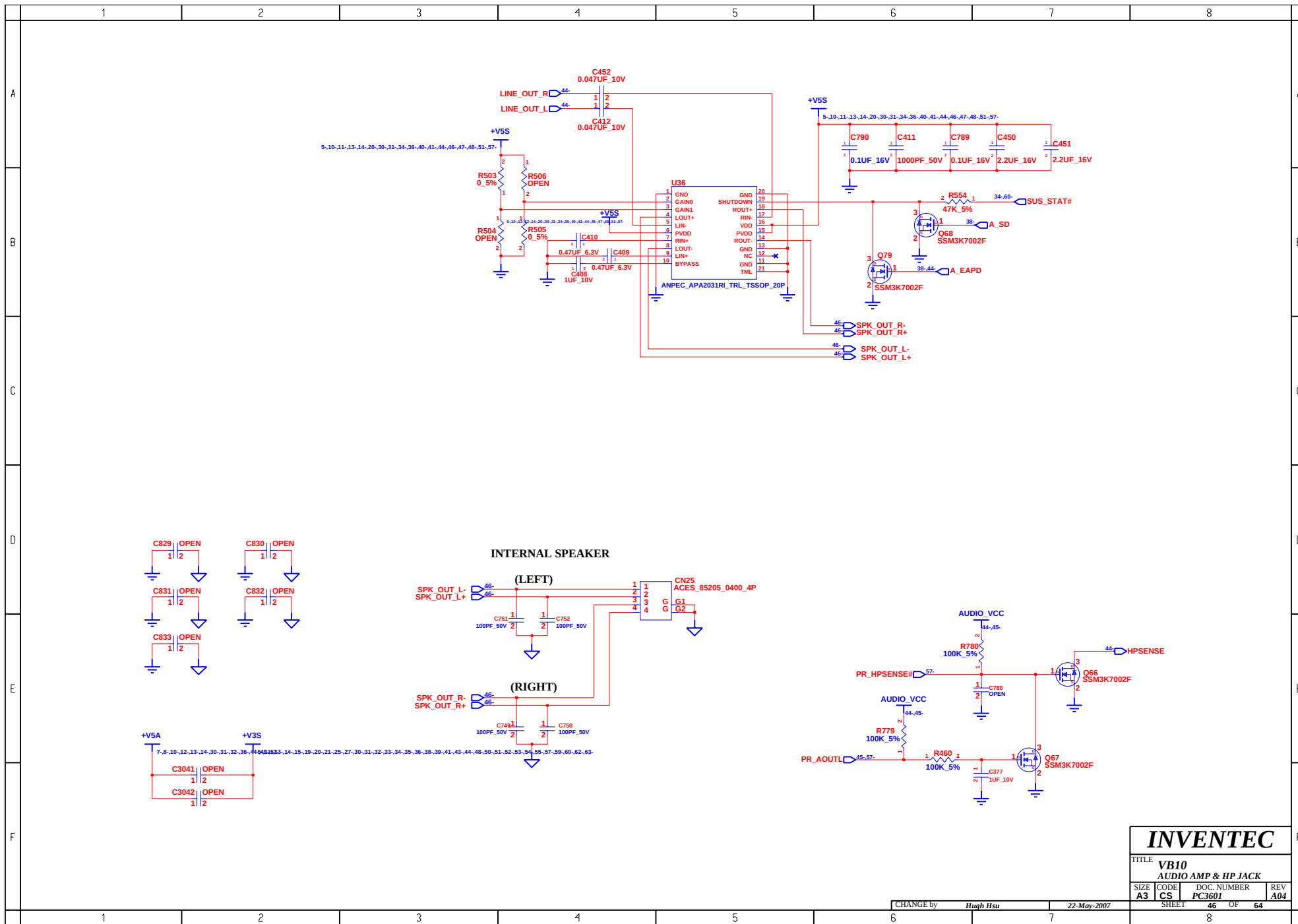
SHEET 40 OF 64

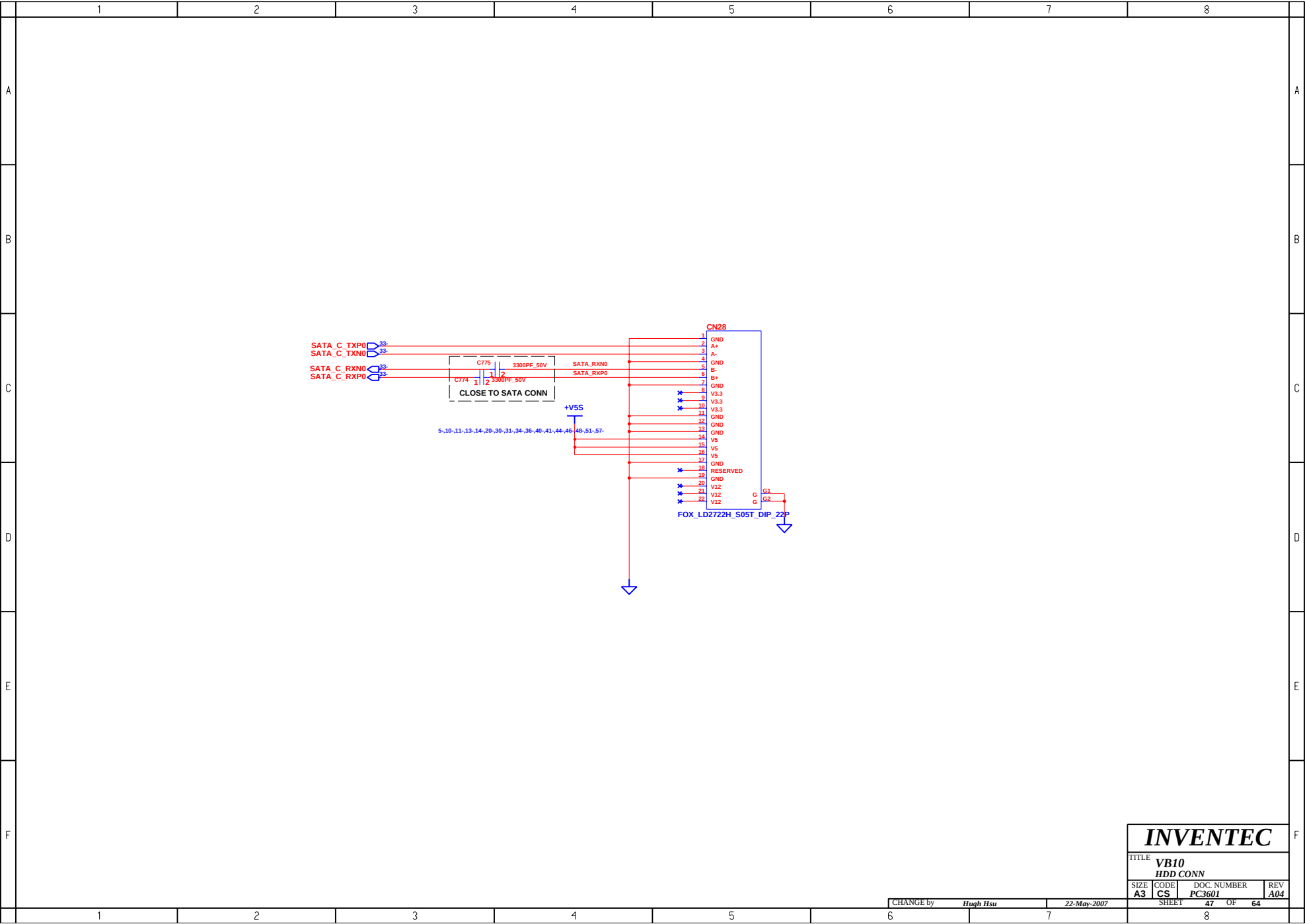


	1	2	3	4	5	6	7	8	
A	BLANK								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

INVENTEC			
TITLE VB10 BLANK			
SIZE A3	CODE CS	DOC. NUMBER PC3601	REV A04
CHANGE by Hugh Hsu		22-May-2007	
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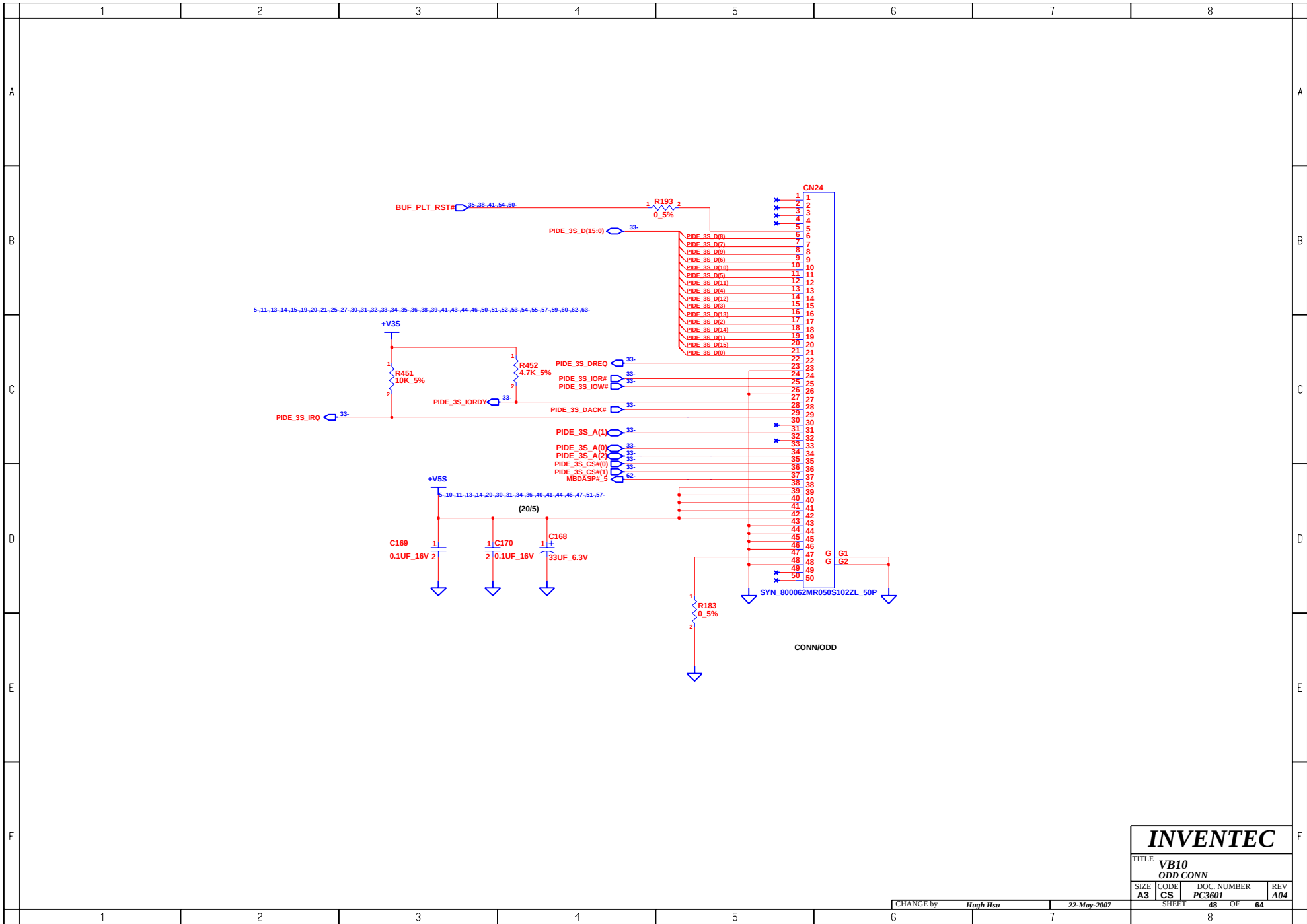


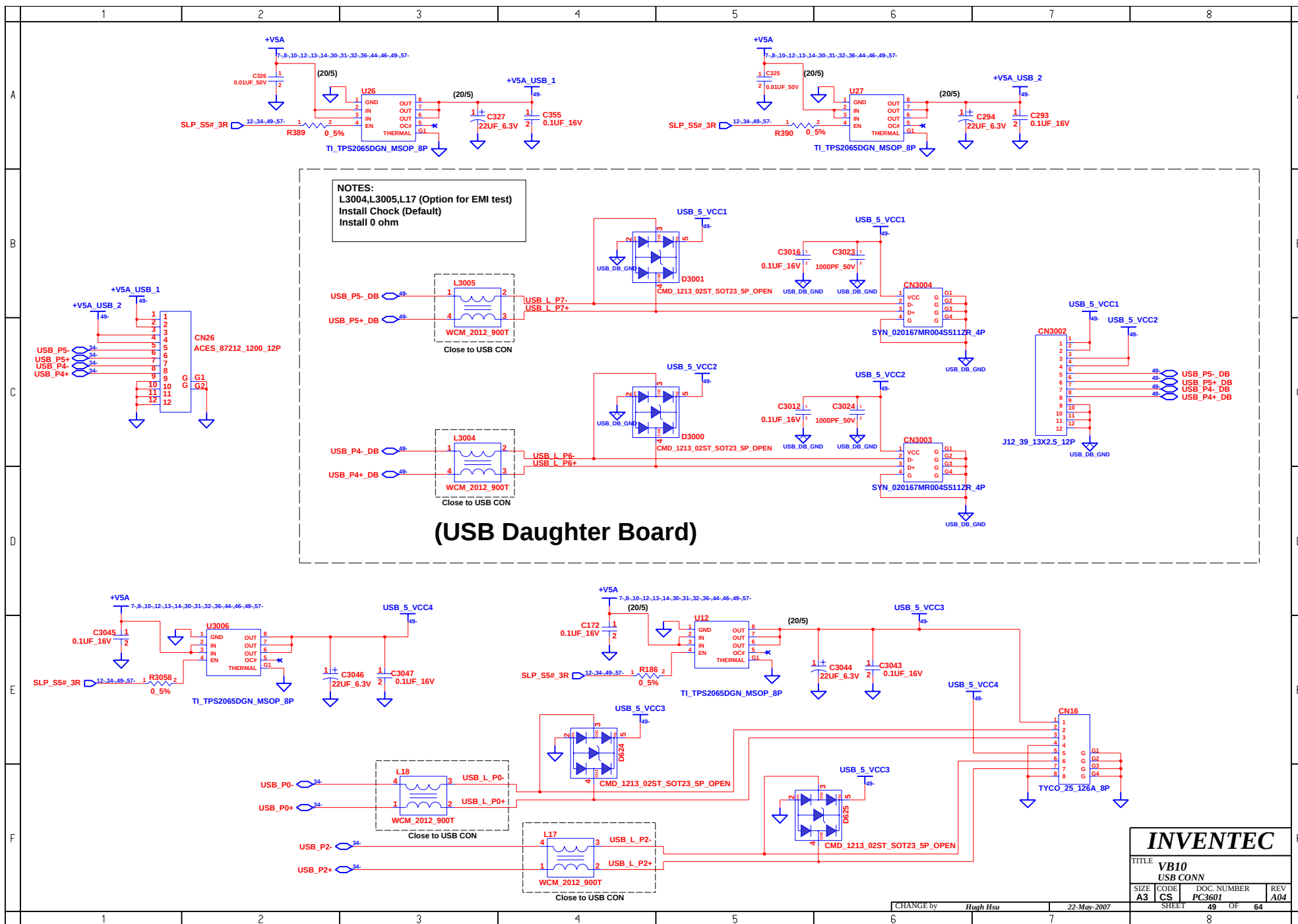
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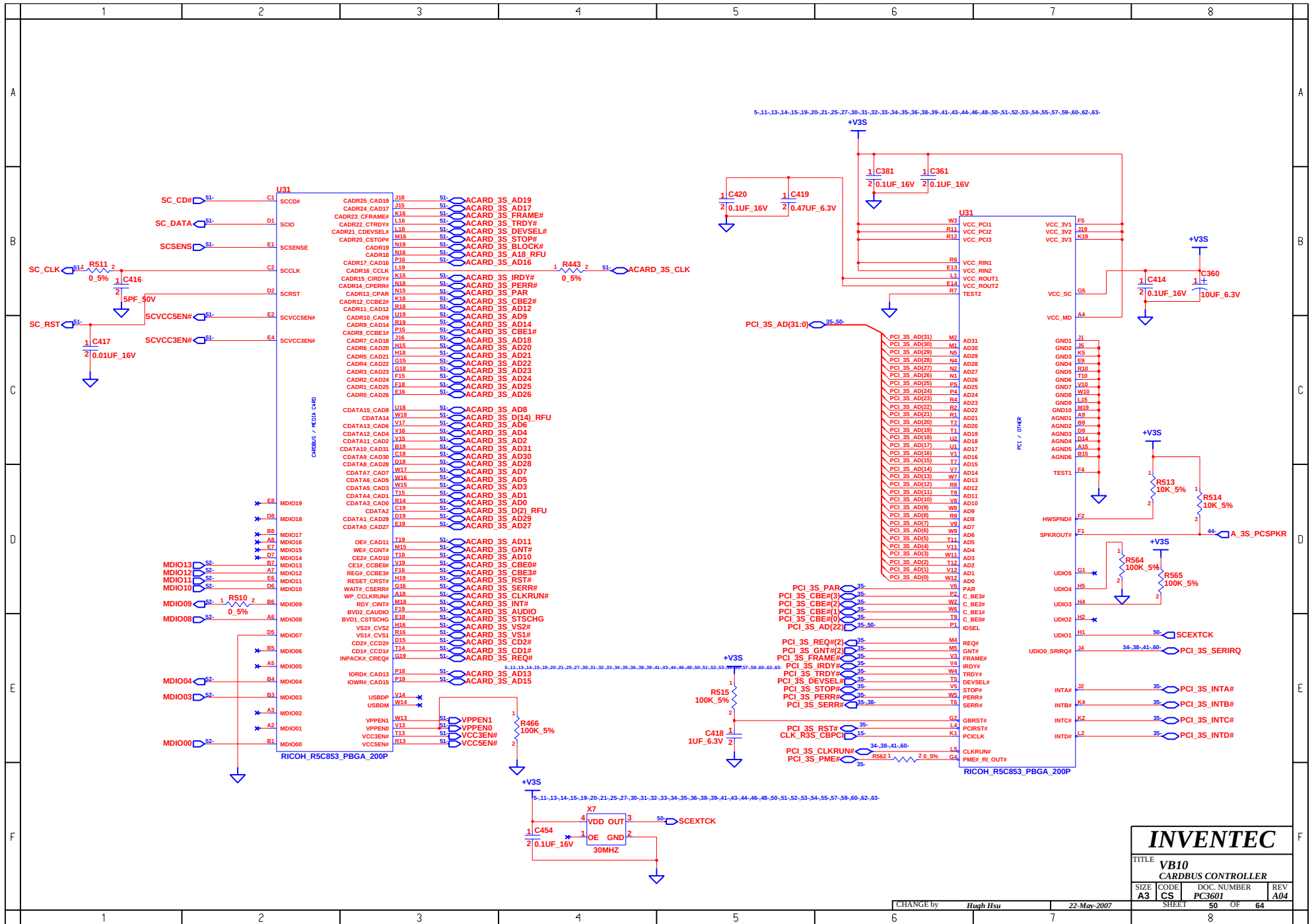
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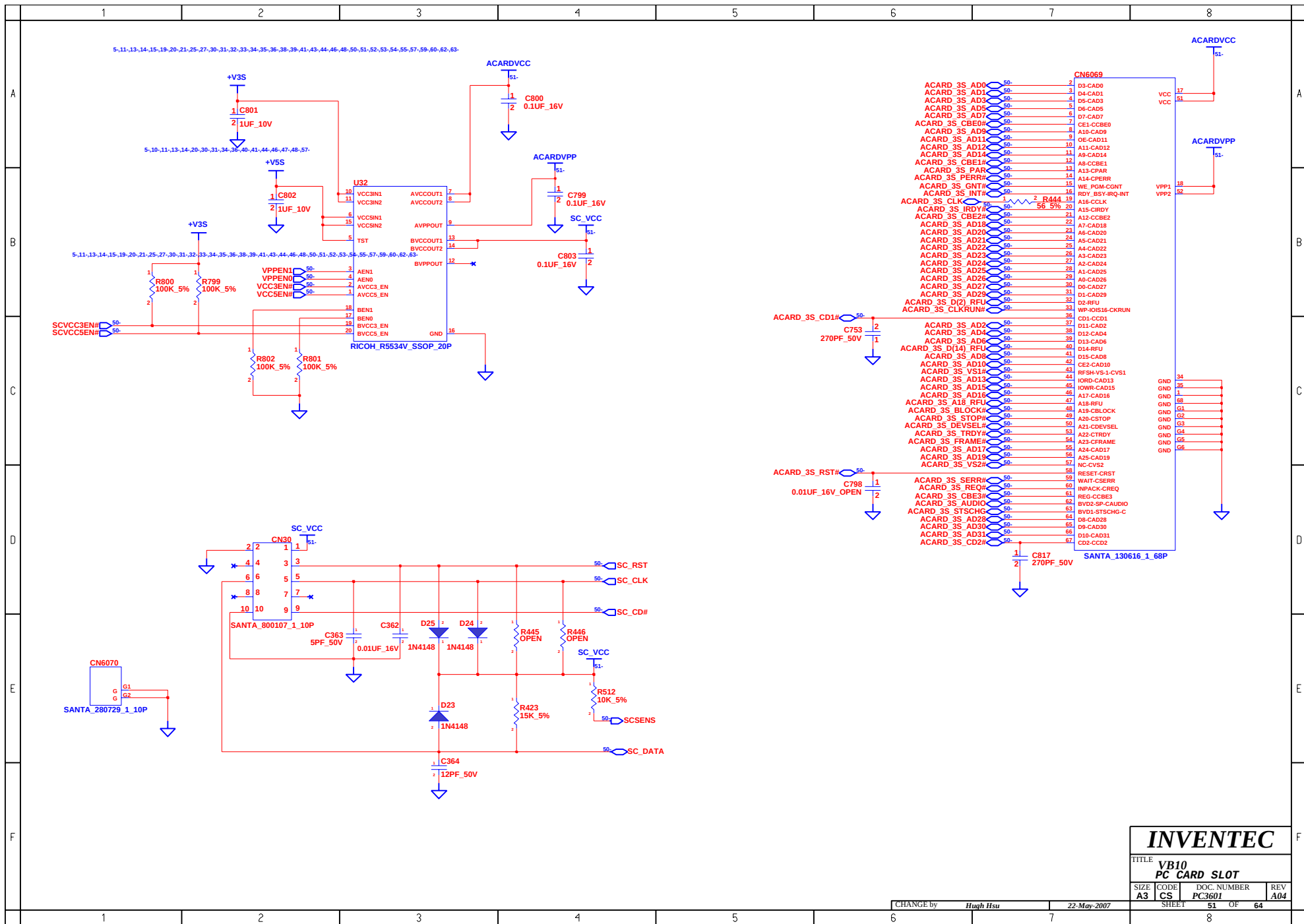
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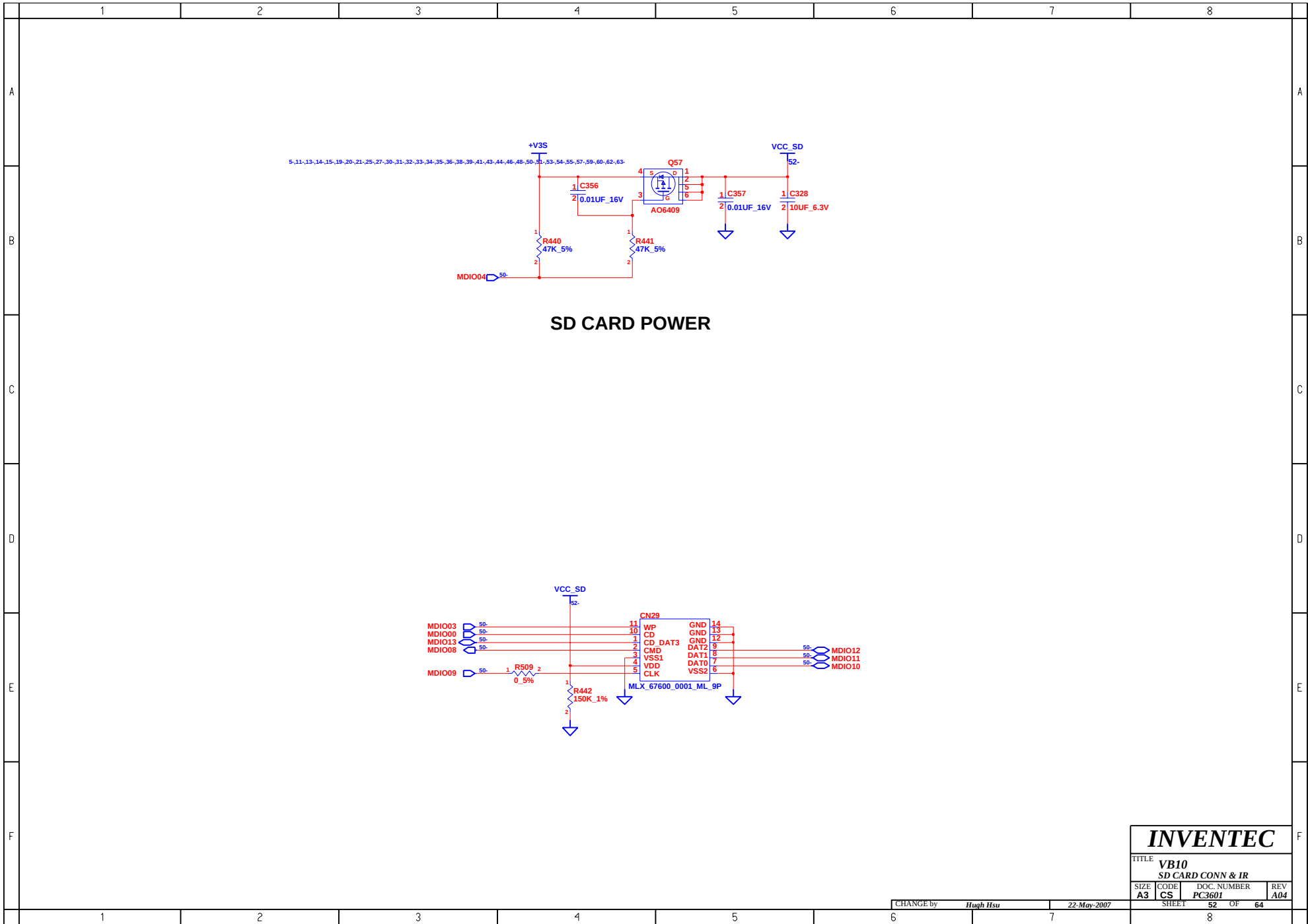


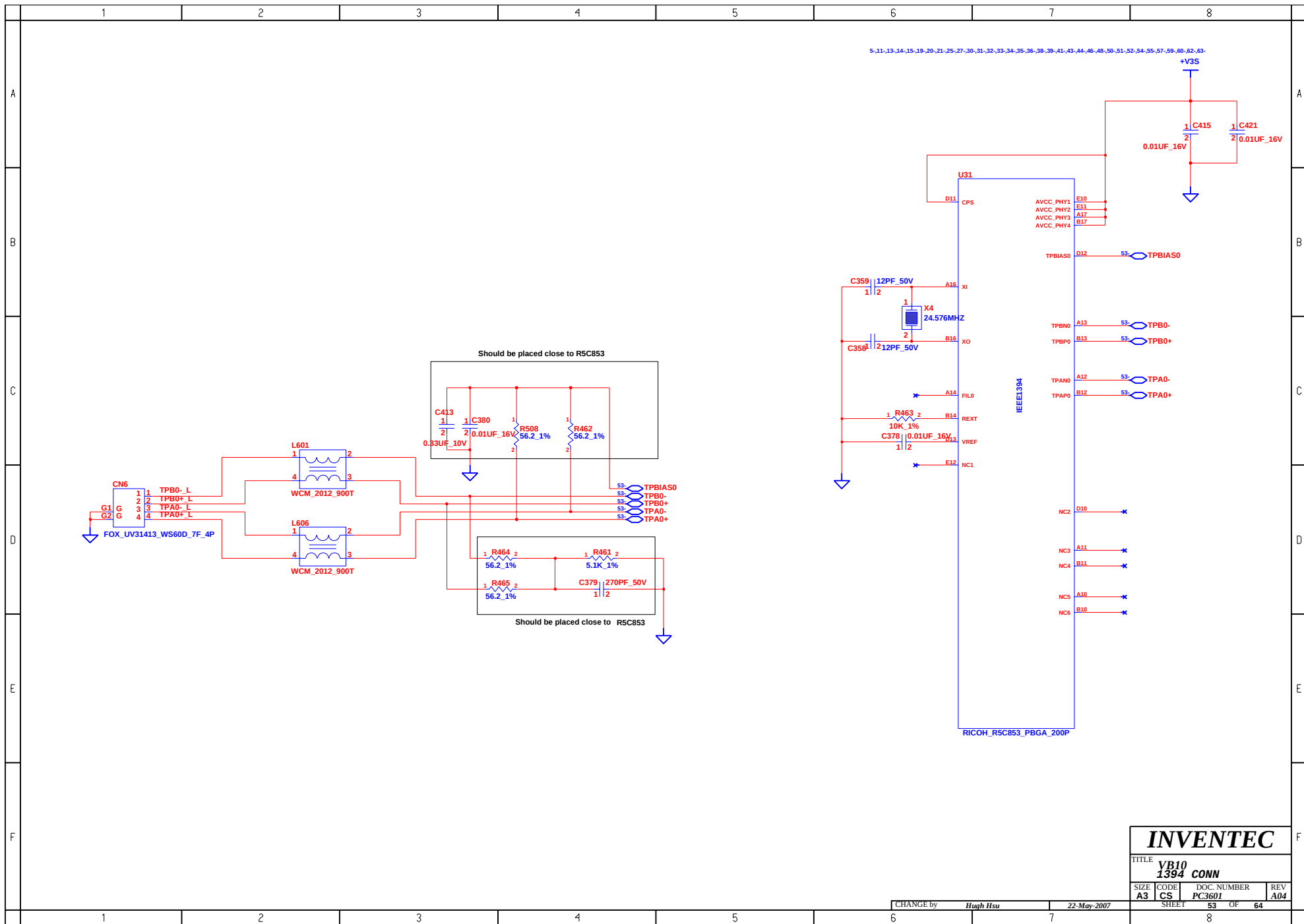
INVENTEC

TITLE			
VB10			
PC CARD SLOT			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	PC3601	A04

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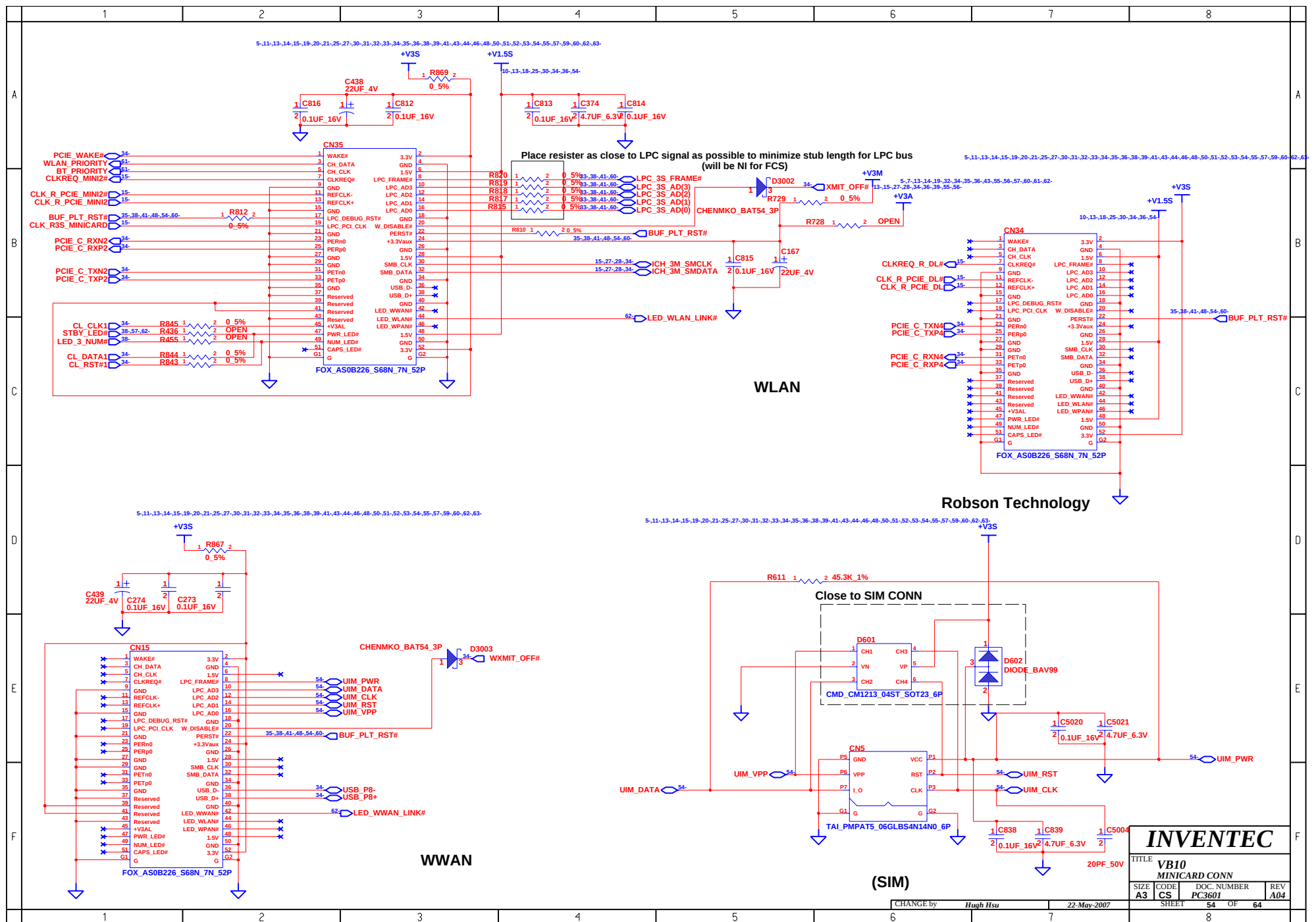
INVENTEC

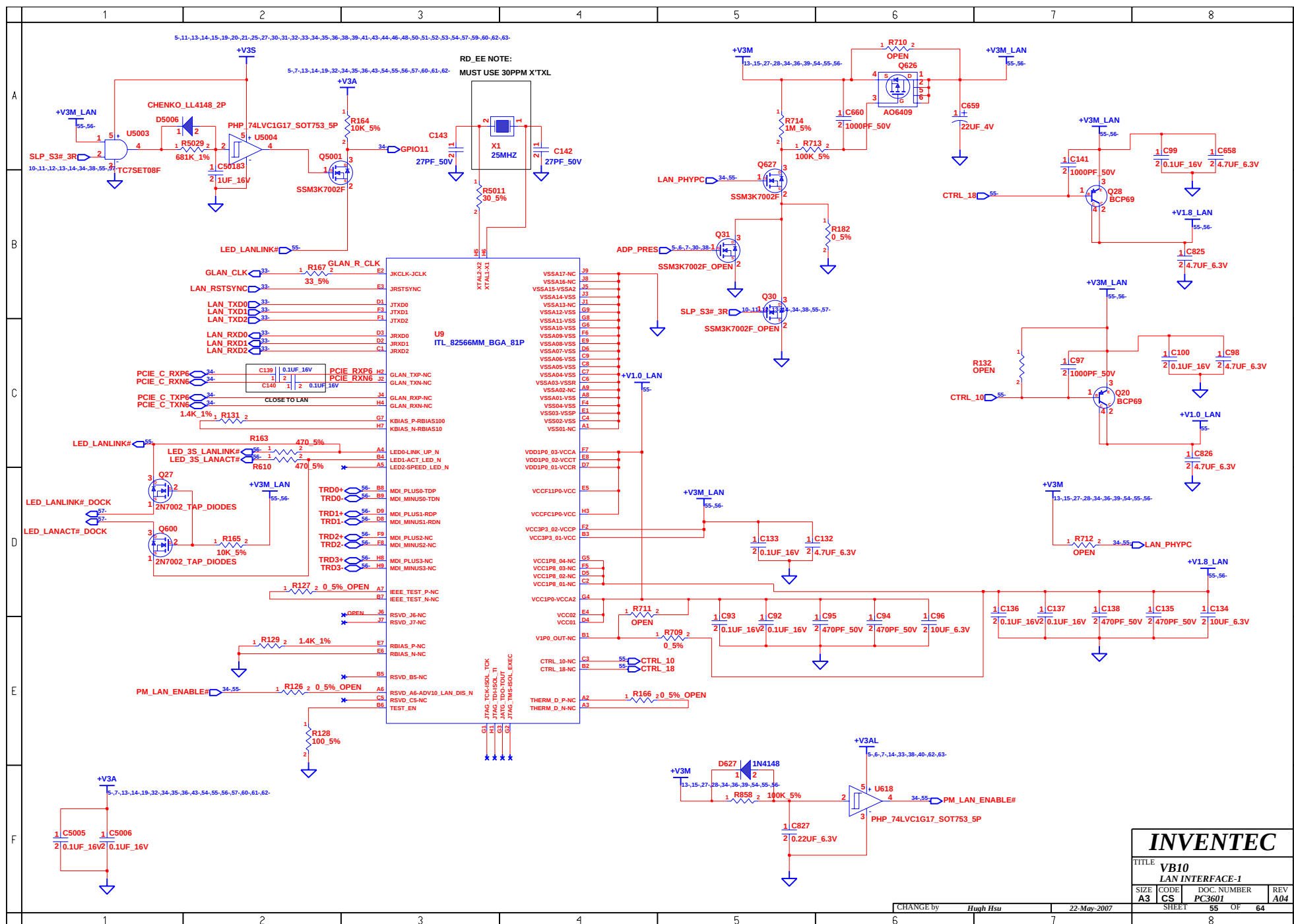
TITLE
**YB10
1394 CONN**

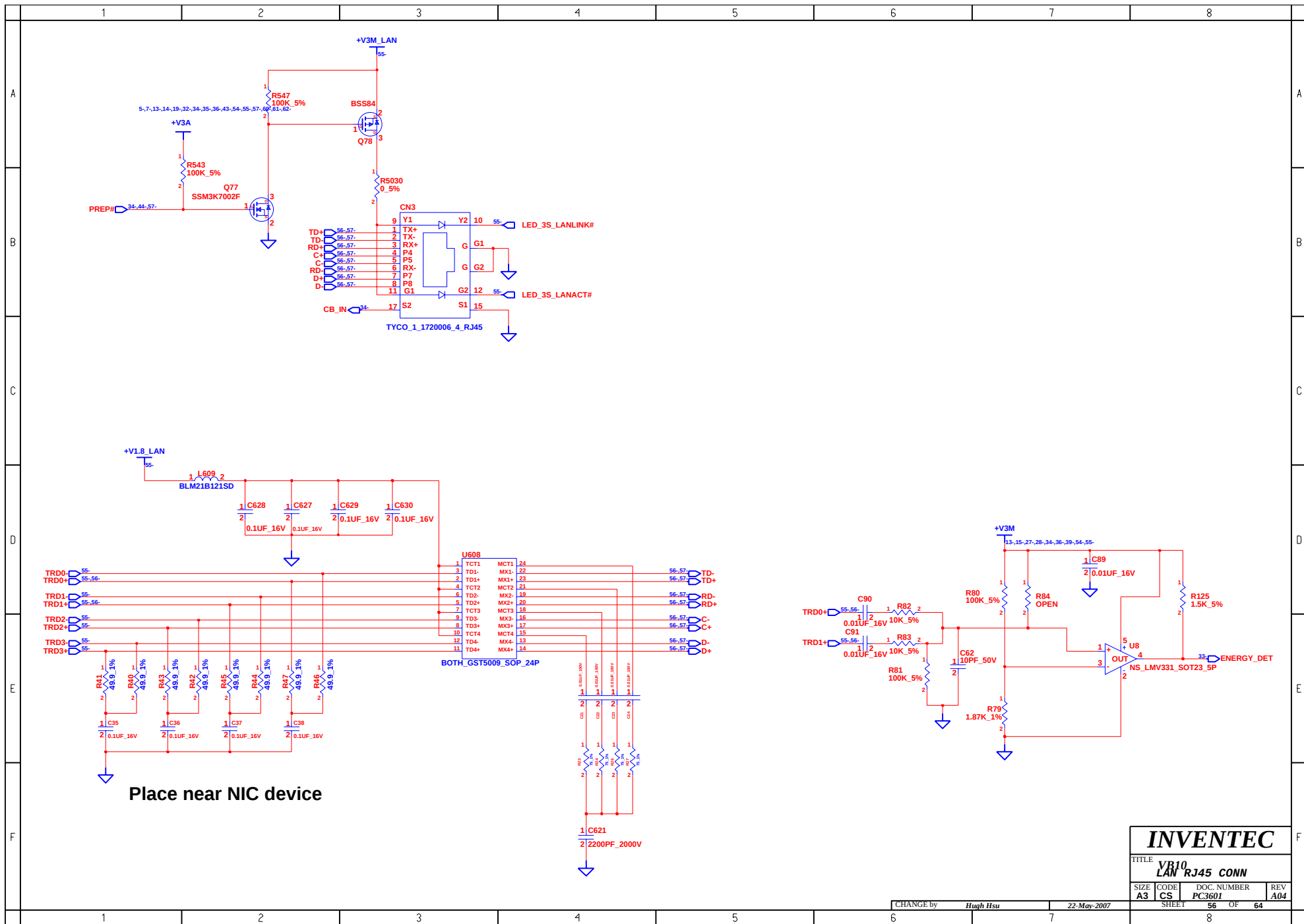
SIZE	CODE	DOC. NUMBER	REV
A3	CS	PC3601	A04

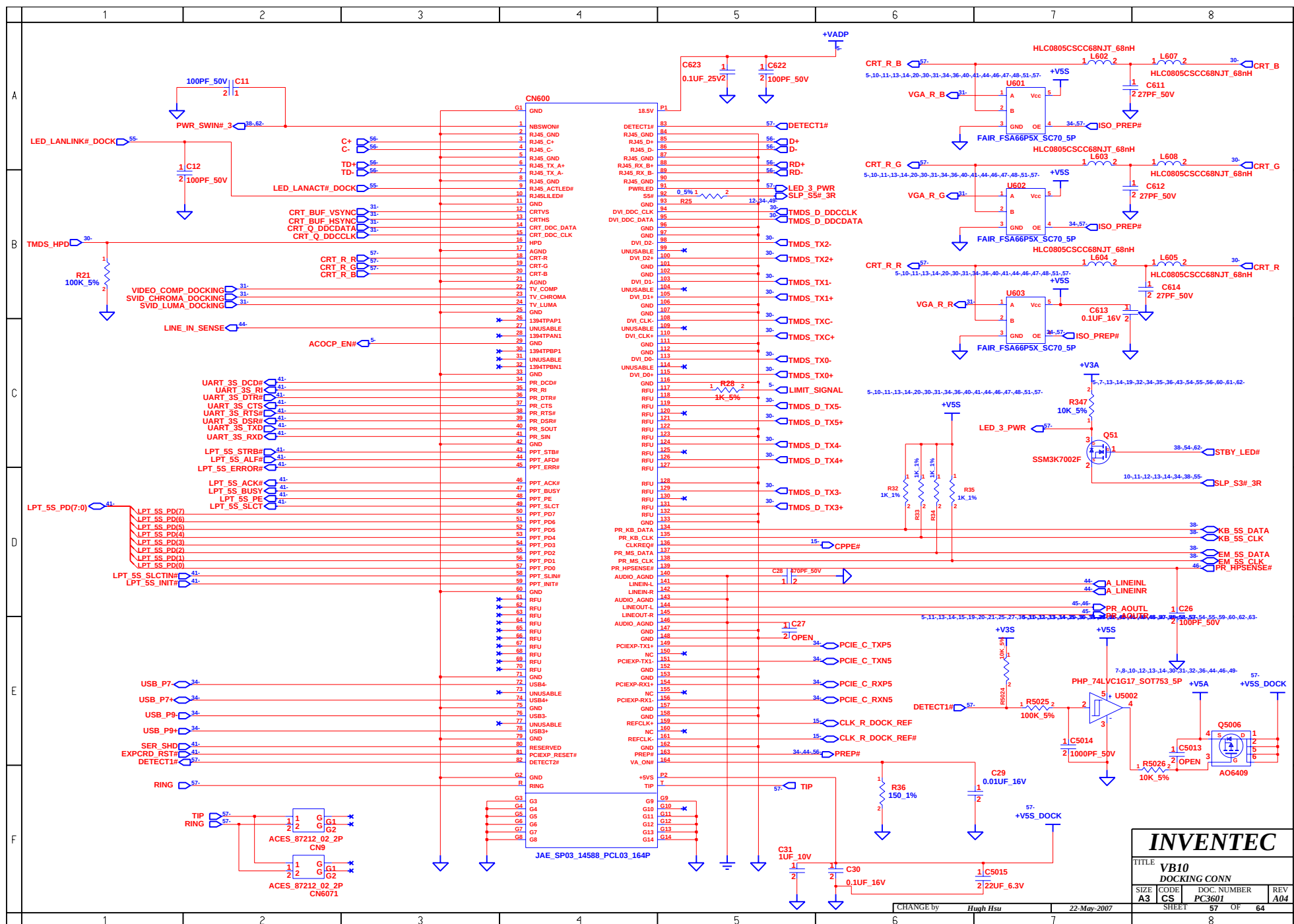
CHANGE by **Hugh Hsu** 22-May-2007

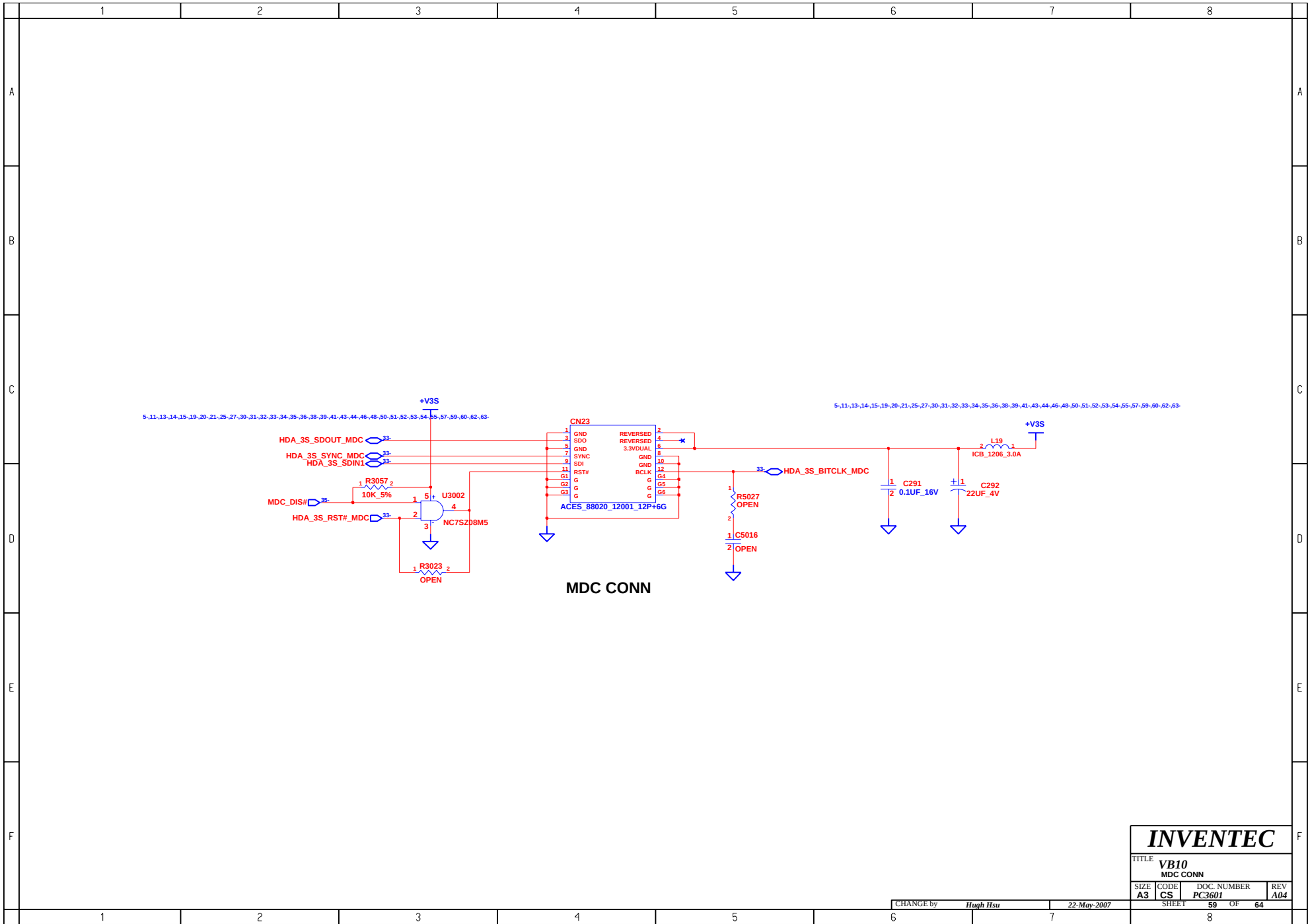
SHEET 53 OF 64

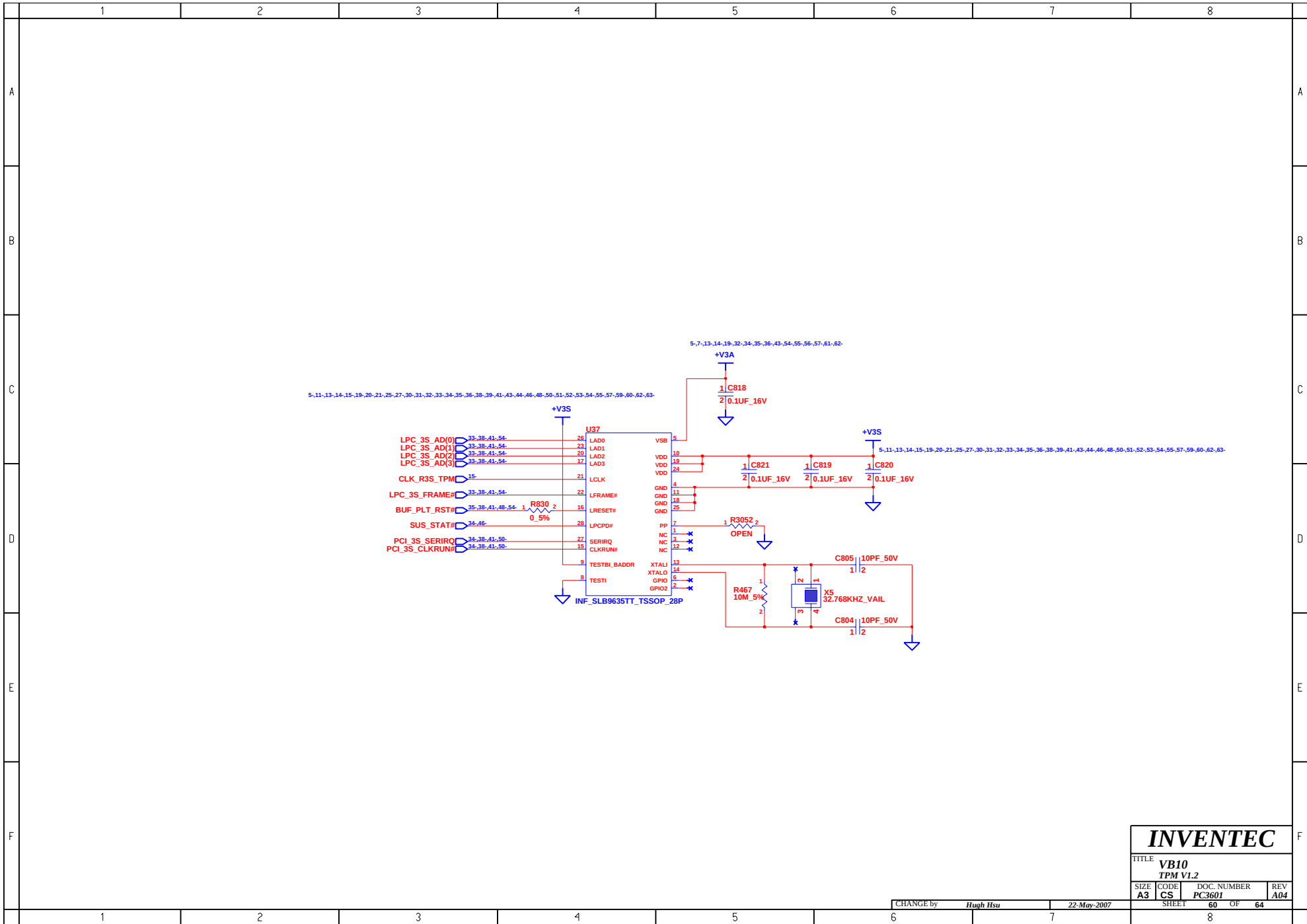


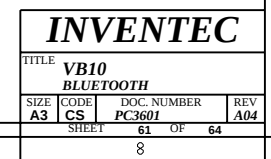




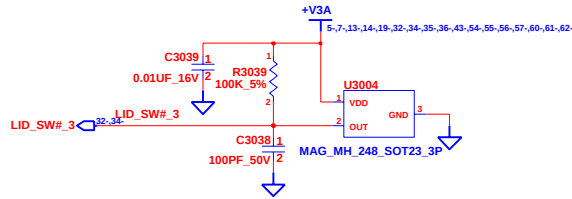




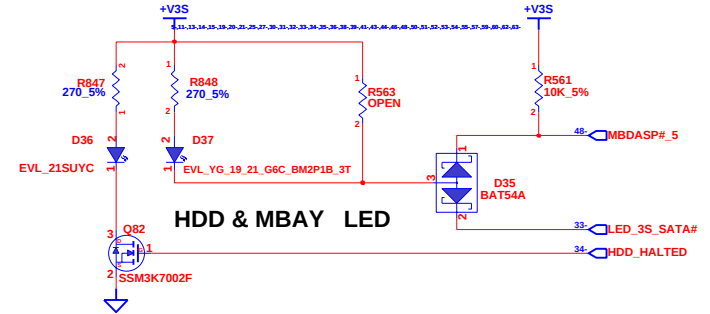




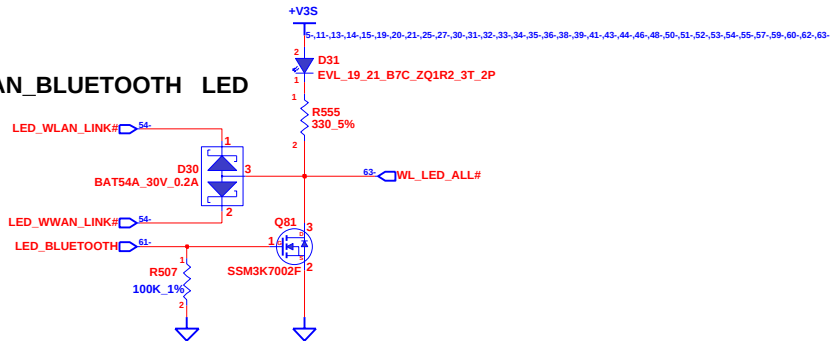
LID SWITCH



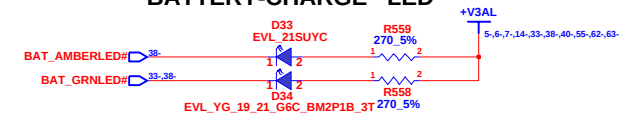
HDD & MBAY LED



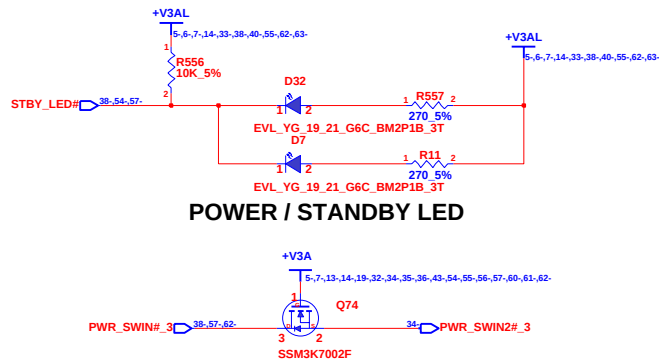
WLAN_WWAN_BLUETOOTH LED



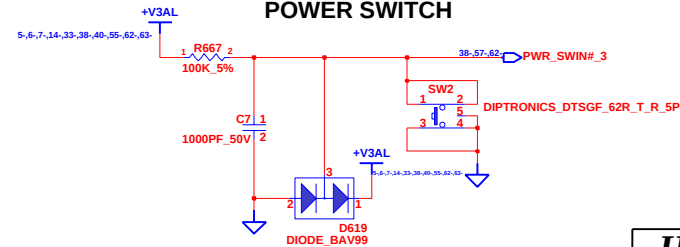
BATTERY-CHARGE LED



POWER / STANDBY LED



POWER SWITCH

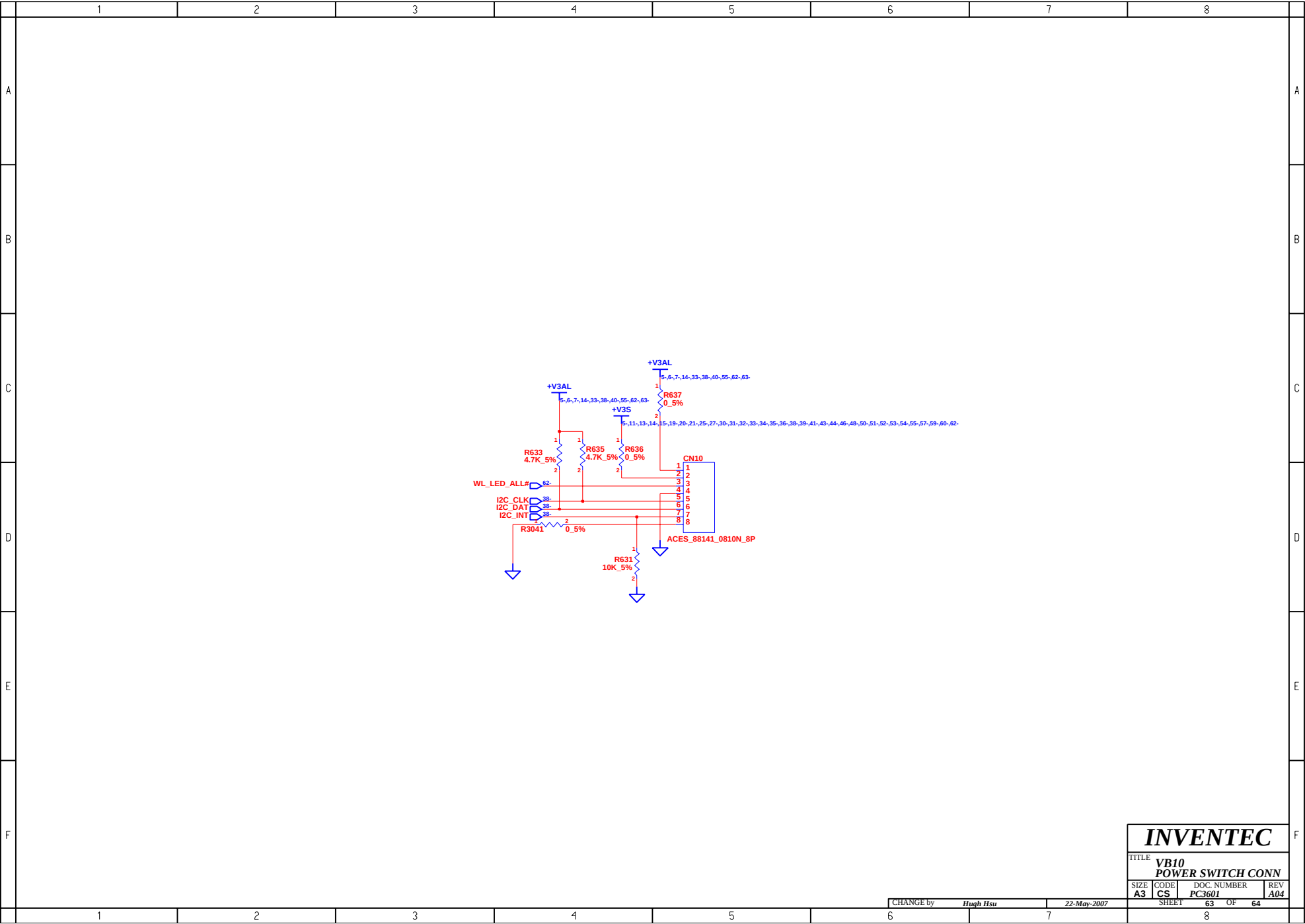


INVENTEC

TITLE			
VB10			
LID SWITCH & LED			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	PC3601	A04

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INVENTEC

TITLE			
VB10 POWER SWITCH CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	PC3601	A04

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