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A	THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF INVENTEC CORPORATION AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION, INVENTEC CORPORATION 2009 ALL RIGHT RESERVED HSF Property : Halogen-Free																																																																																											
B	STYX MV BUILD 2011.04.15																																																																																											
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DATE	CHANGE NO.	REV																																																																																										
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SHEET		1	OF 58																																																																																									
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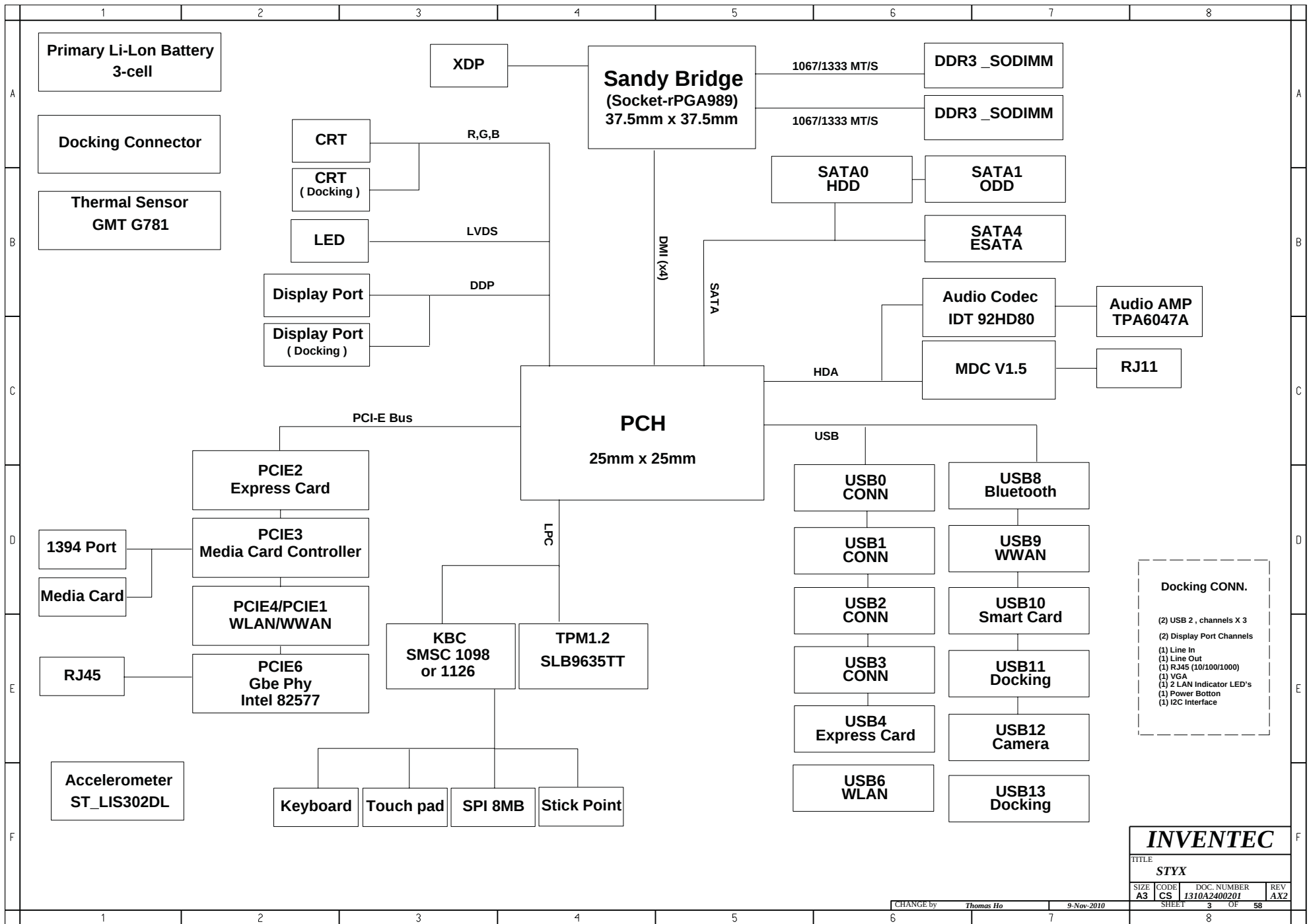
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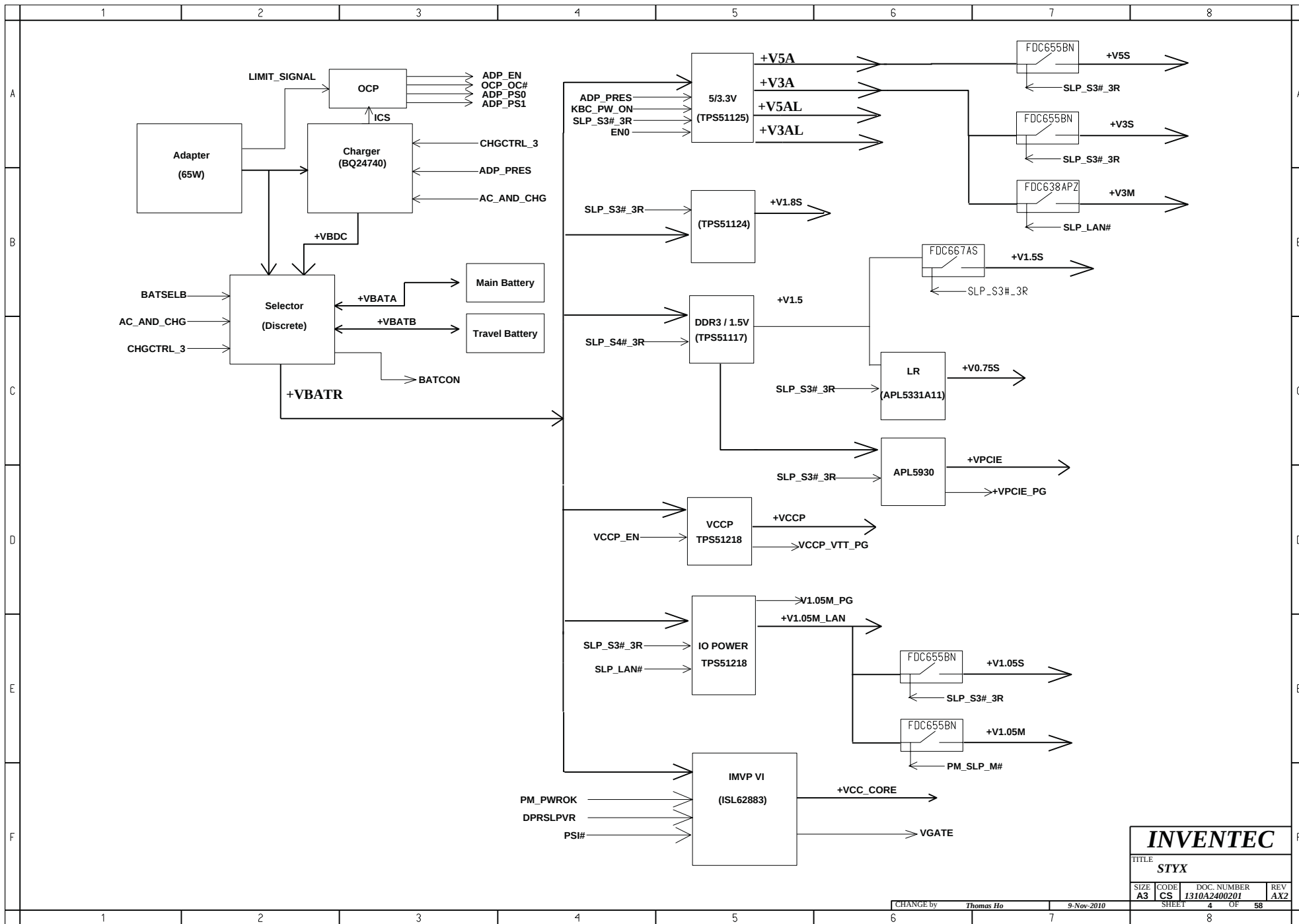
5- DC& BATTERY CHARGER	27- PCH1
6- SELECT & BATTERY CONN	28- PCH2
7- SYSTEM POWER(3V/5V)	29- PCH3
8- SYSTEM POWER(+V1.5/+V1.05M_LAN)	30- PCH4
9- POWER(+V1.8S)	31- PCH5
10- SYSTEM POWER(+VCCP)	32- PCH6
11- CPU POWER(+V0.85S)	33- PCH7-POWER
12- CPU POWER(+VCC_CORE)	34- PCH8-POWER
13- CPU POWER(+VGFX)	35- PCH9
14- POWER(SLEEP)	36- CRT / DISPLAY PORT CNTR
15- POWER(SEQUENCE)	37- EDP & WEBCAM
16- FAN & THERMAL	38- SATA & ODD CNTR
17- XDP CONN	39- USB & ESATA COMBO
18- SANDY BRIDGE1	40- BLANK
19- SANDY BRIDGE2	41- BLUE TOOTH & FINGER PRINTER CNTR
20- SANDY BRIDGE4	42- ACCELEMETOR
21- SANDY BRIDGE3	43- KBC / SPI
22- SANDY BRIDGE5	44- Keyboard/ Point Stick/Touch pad
23- SANDY BRIDGE6	46- LAN INTERFACE
24- DDR3-DIMM0	47- LAN RJ45 CNTR
25- DDR3-DIMM1	45- TPM/MDC
26- BLANK	48- WWAN/WLAN/SIM
	49- Docking
	50- WLAN/ WWAN / BT LED
	51- SCREW
	52-Quick button
	53-Smart card
	54-EXPRESS CARD
	55- CODEC
	56- MIC & Hearphone JACK
	57- CARD READER
	58- HALL SENSOR

INVENTEC

TITLE			
STYX			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2400201	AX2
SHEET		2	OF 58

CHANGE by Thomas Ho 15-Nov-2010





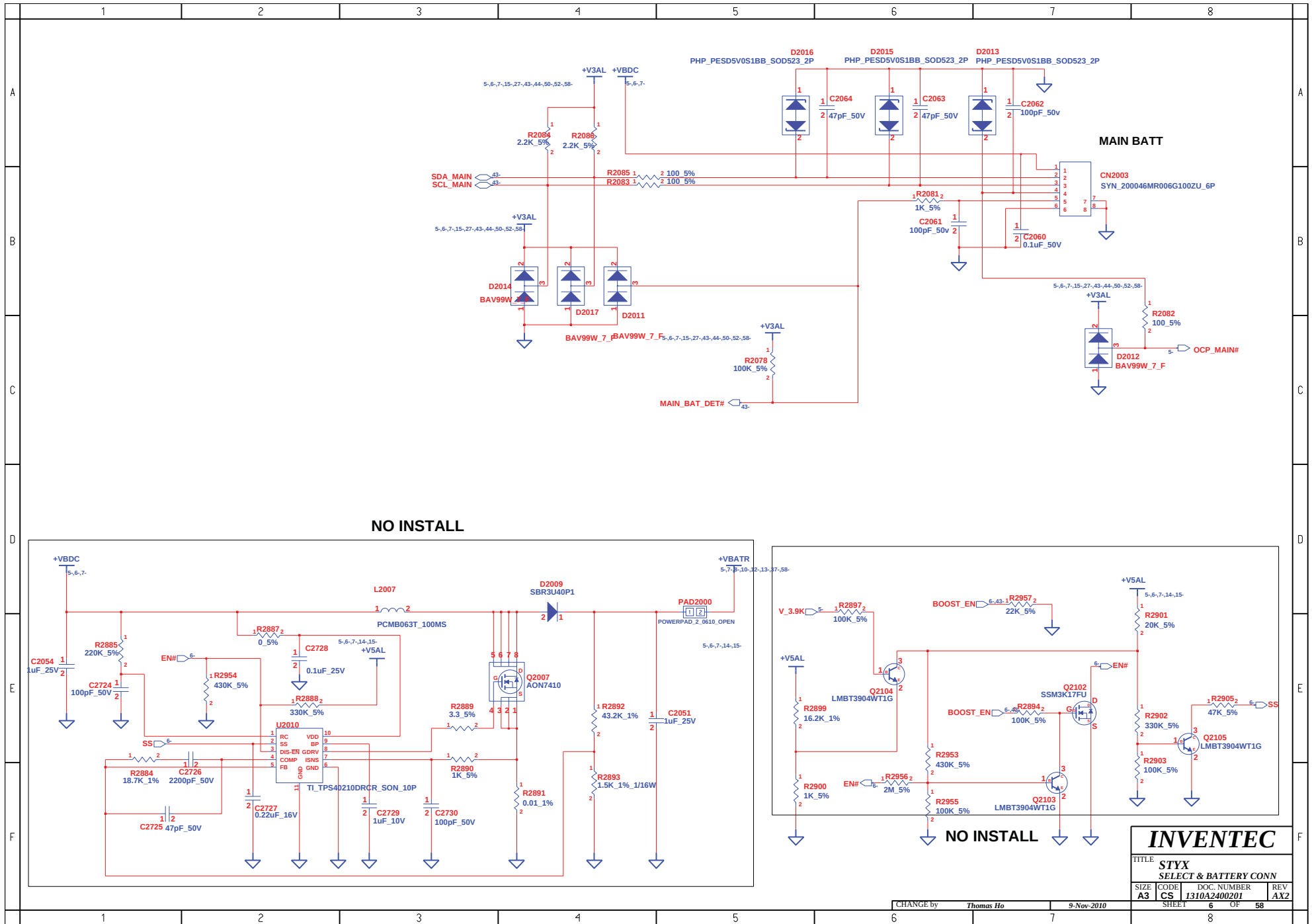
INVENTEC

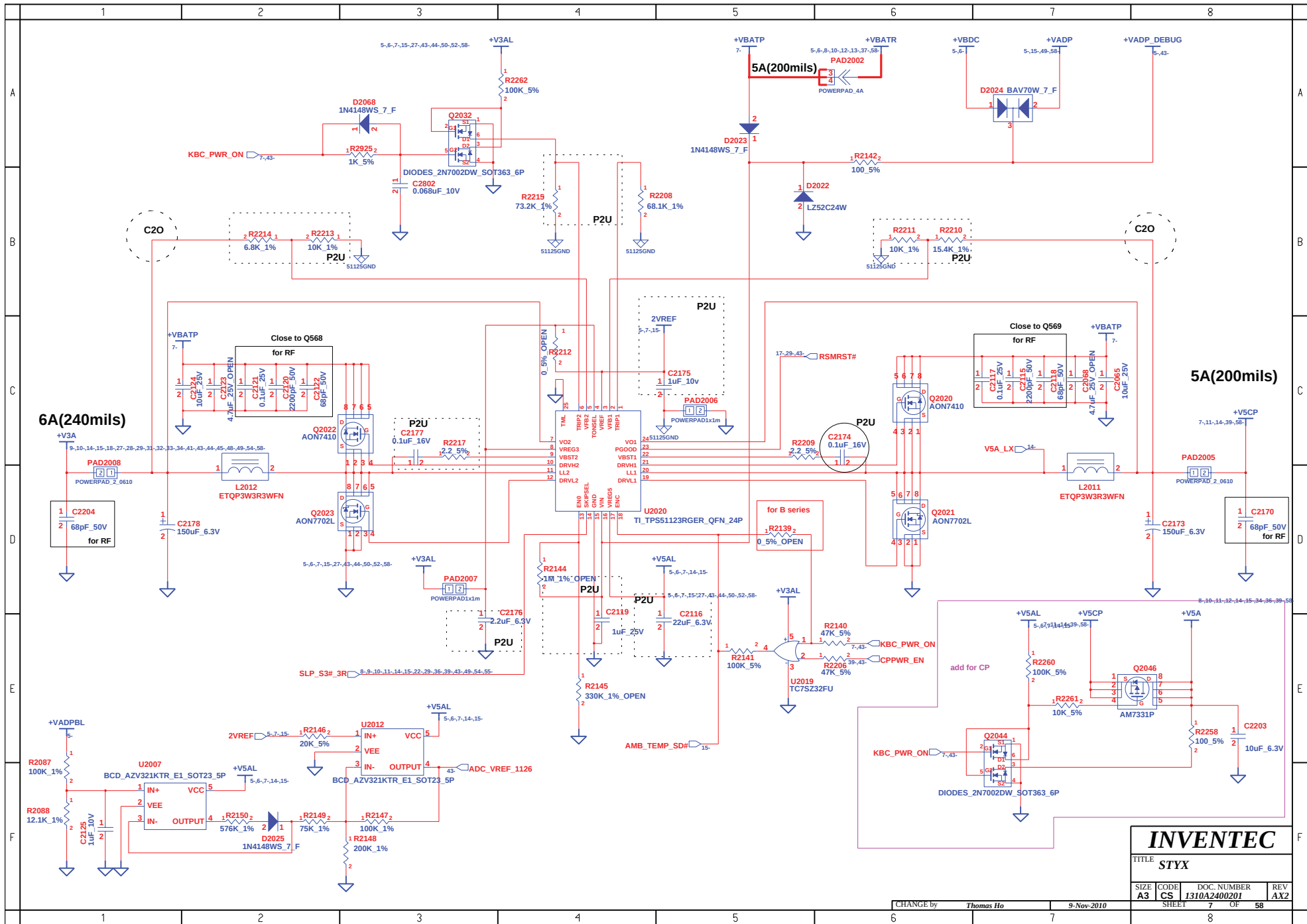
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STYX

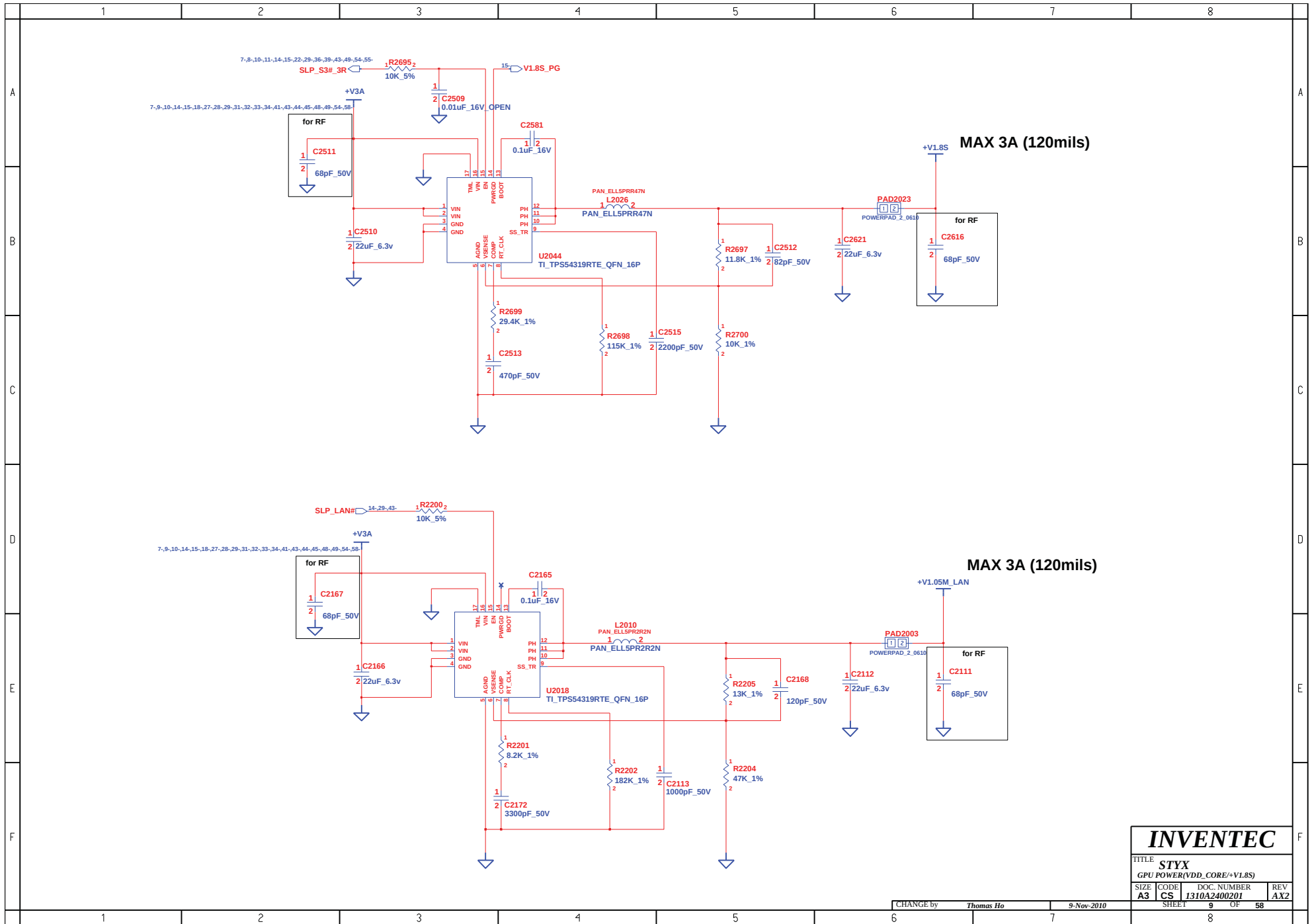
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A3	CS	1310A2400201	AX2

CHANGE by Thomas Ho 9-Nov-2010

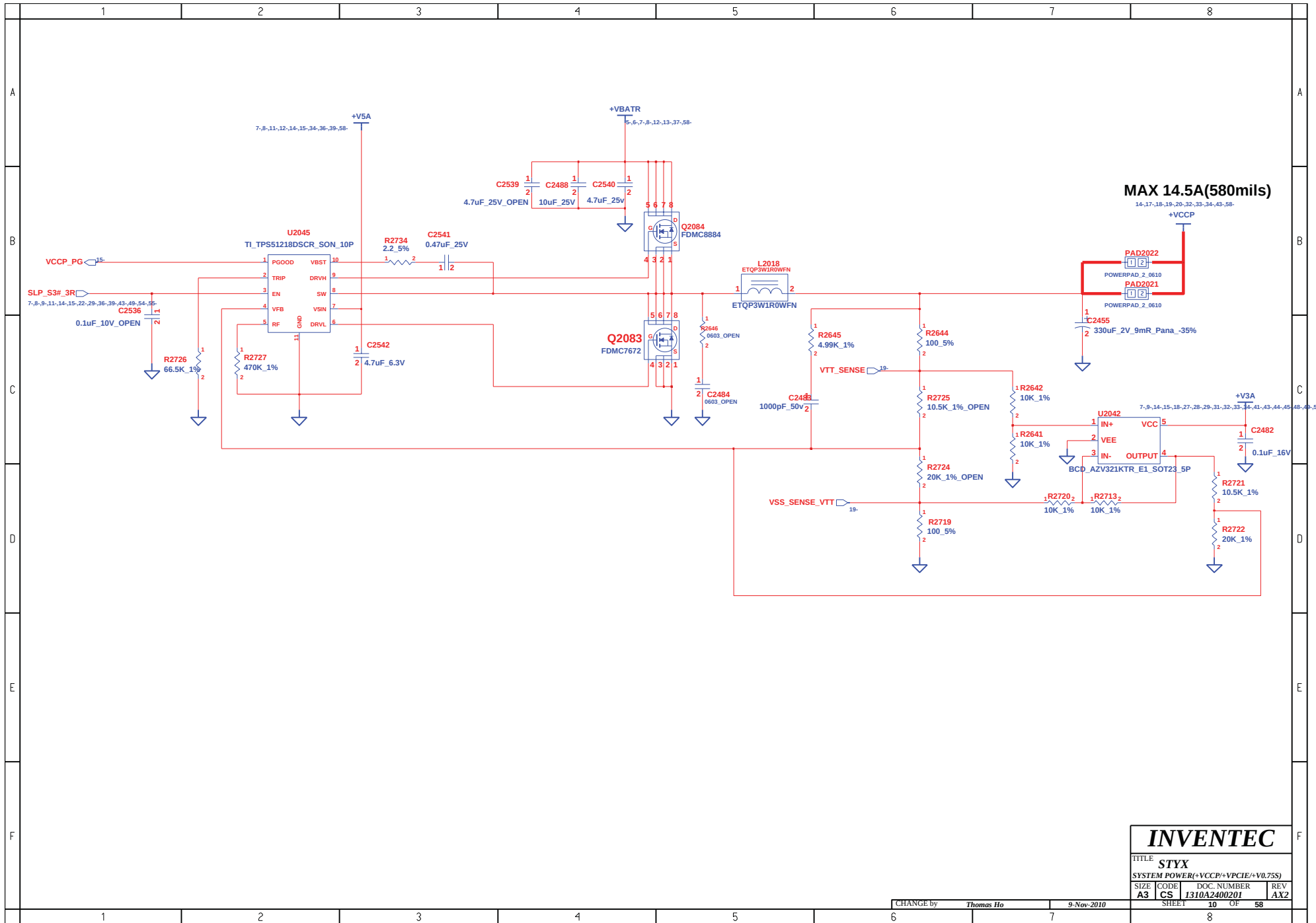
SHEET 4 OF 58





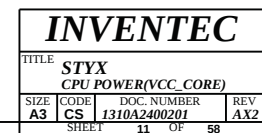


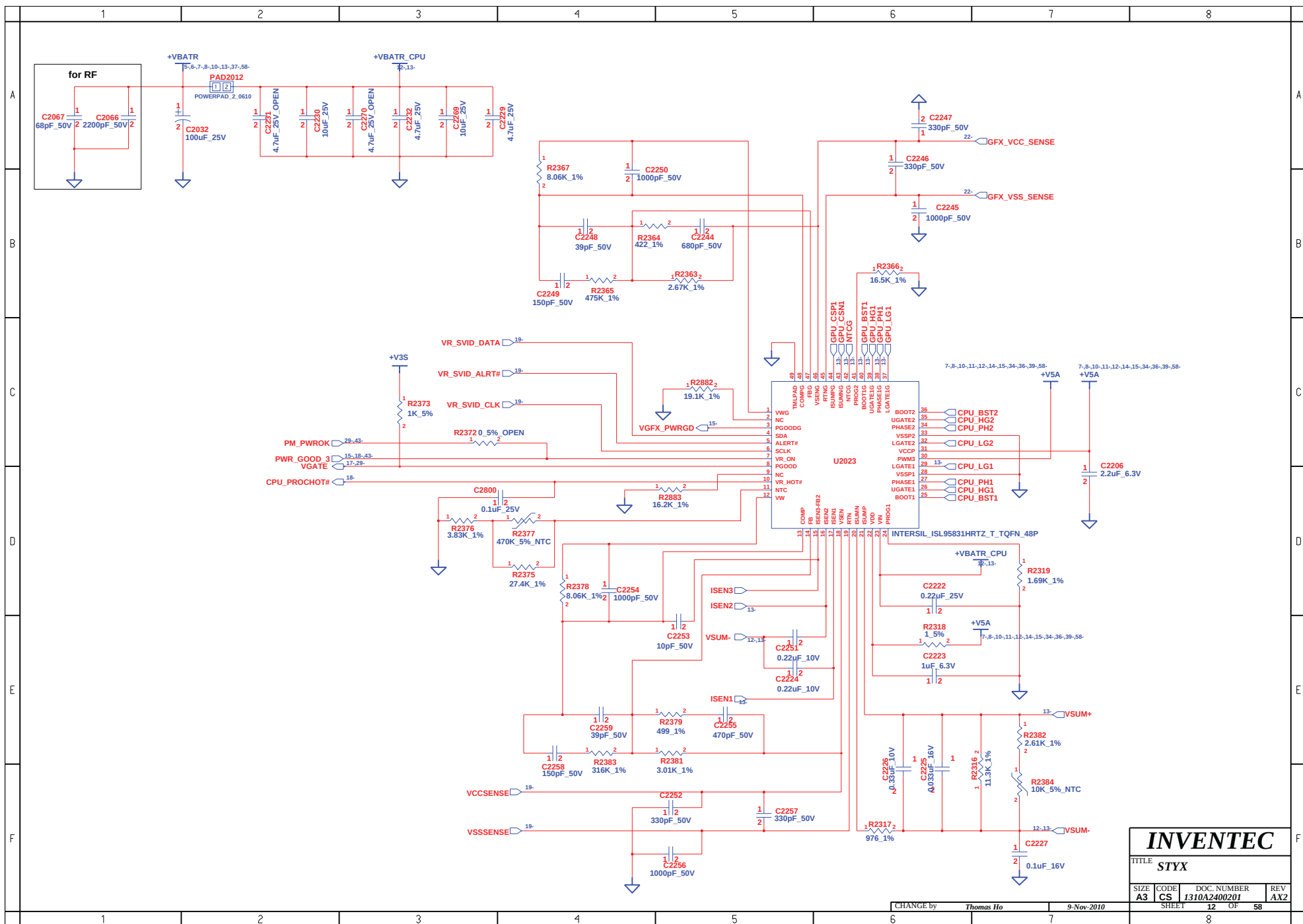
INVENTEC			
TITLE STYX			
GPU POWER(VDD_CORE/+V1.8S)			
SIZE A3	CODE CS	DOC. NUMBER 1310A2400201	REV AX2
CHANGE by Thomas Ho		9-Nov-2010	
SHEET 9		OF 58	
		8	

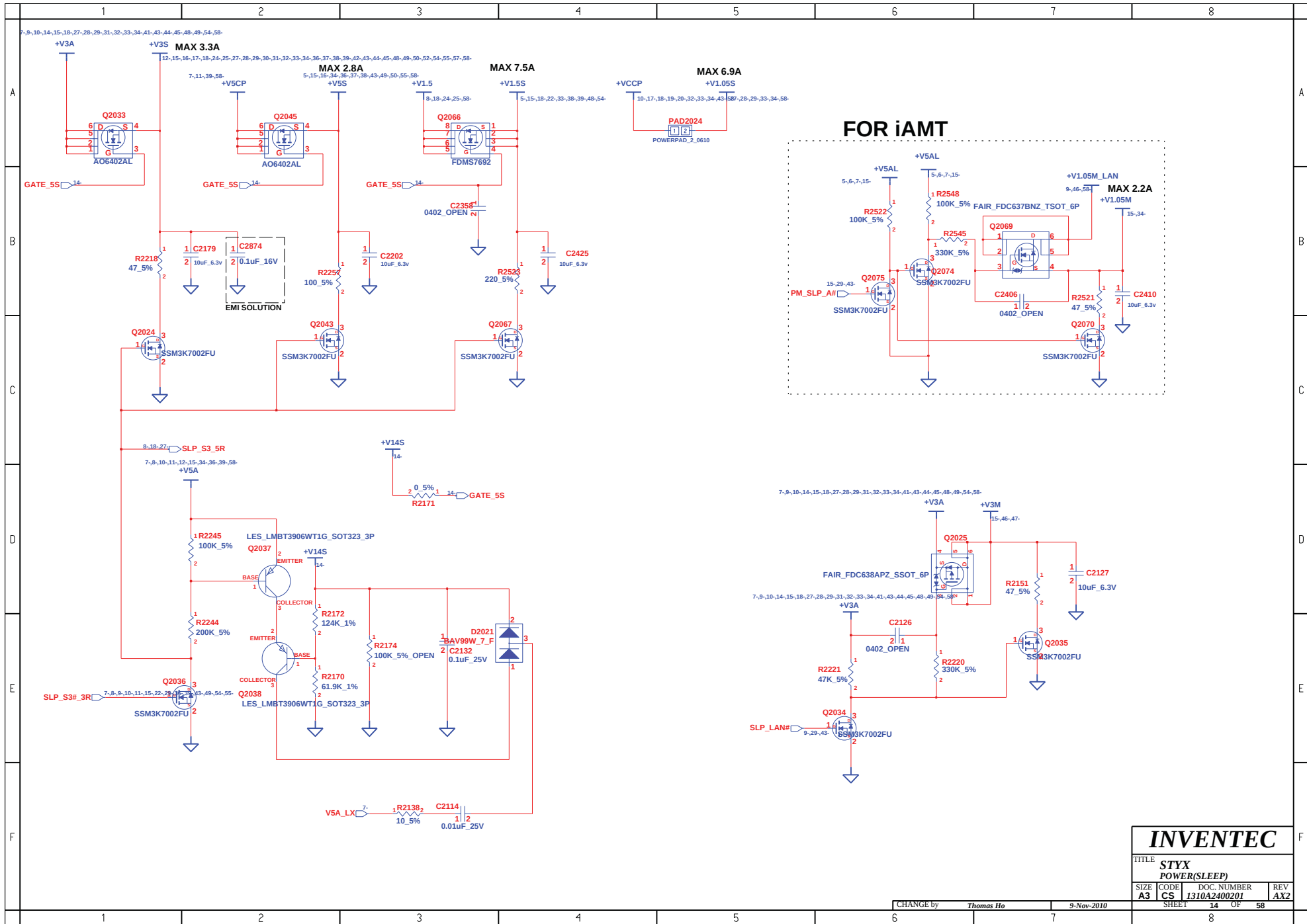


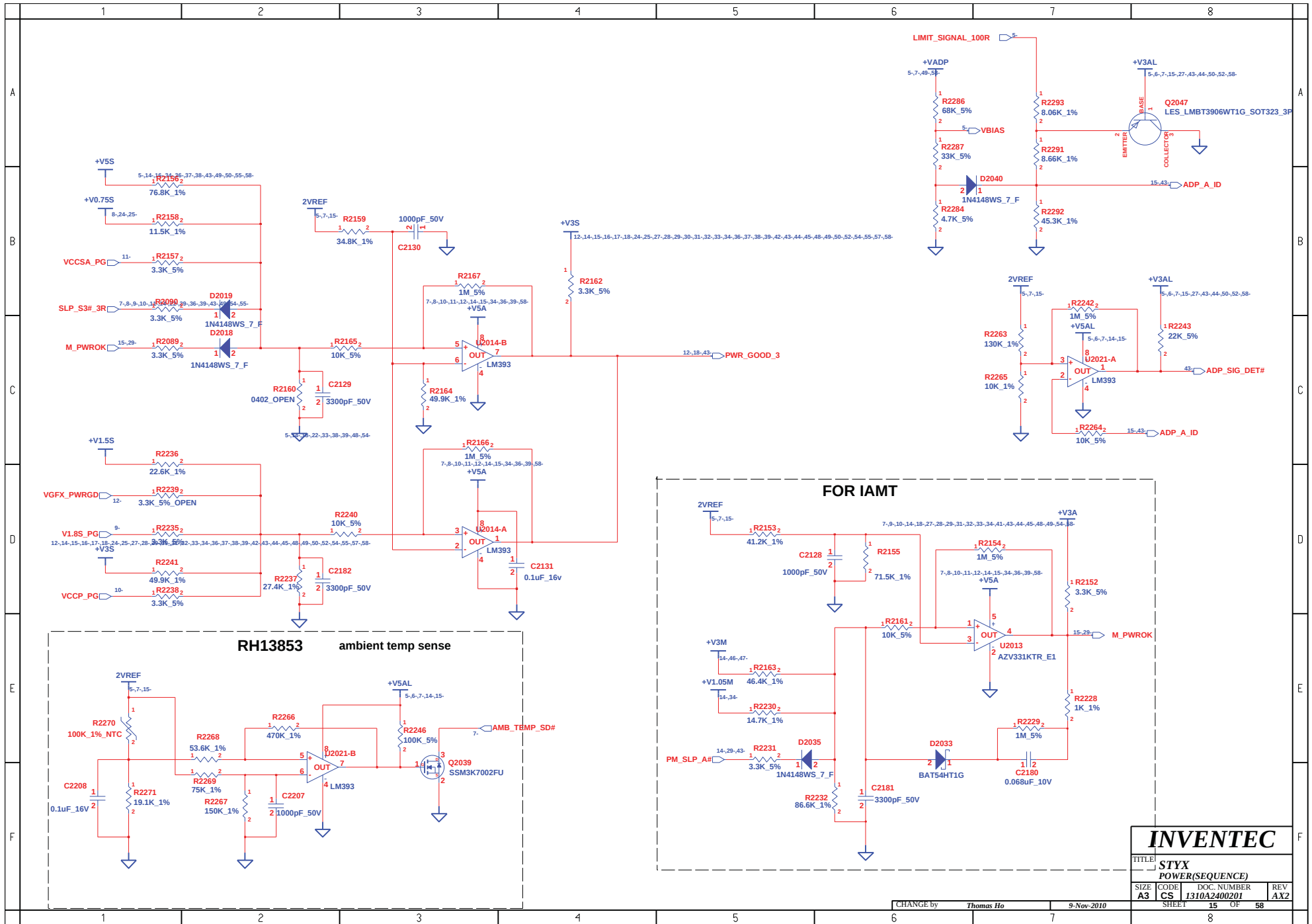
MAX 14.5A(580mils)
14,17,18,19,20,32,33,34,43,58

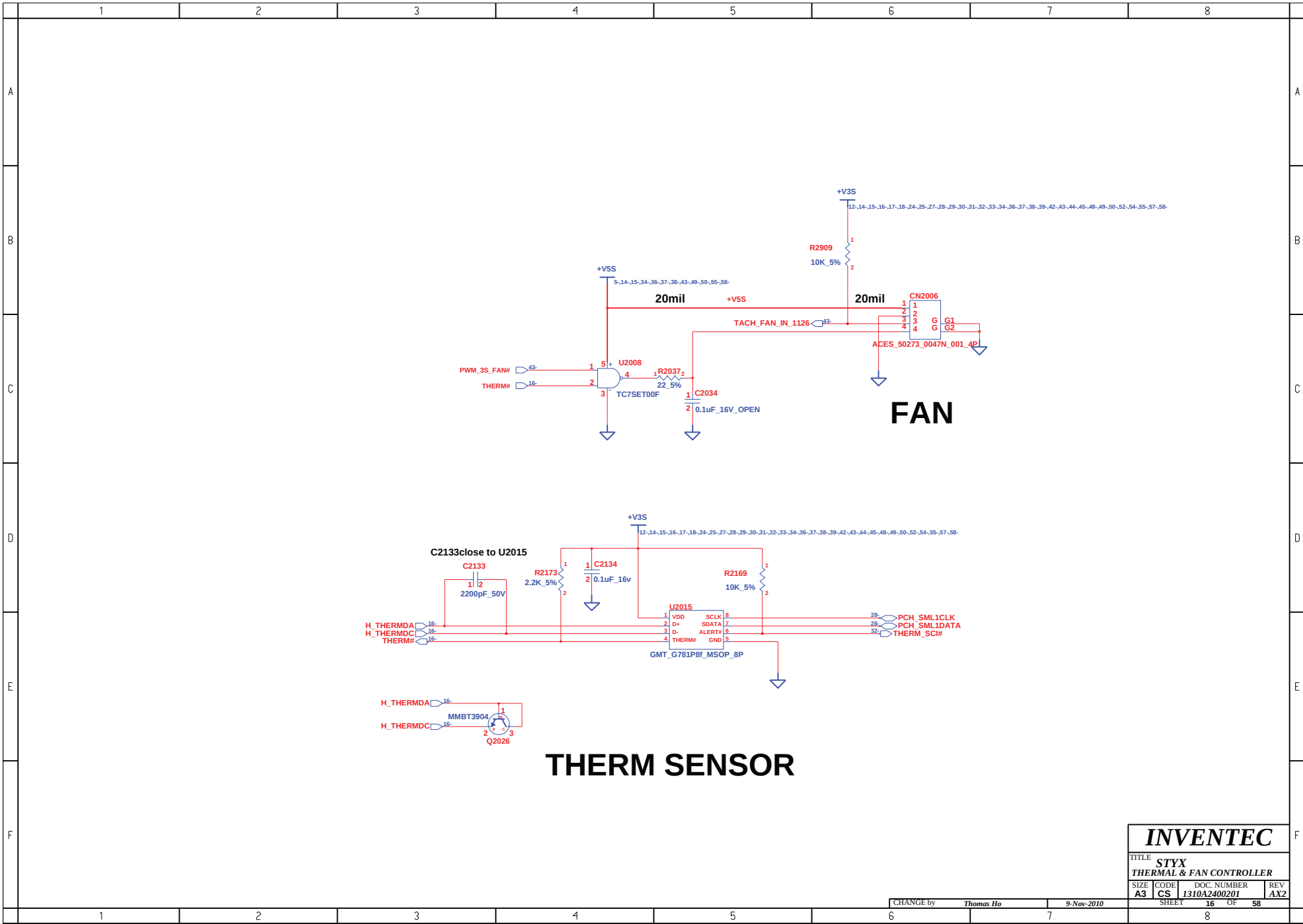
INVENTEC			
TITLE			
STYX			
SYSTEM POWER(+VCCP/+VPCIE/+V0.75S)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2400201	AX2
CHANGE by		9-Nov-2010	
Thomas Ho			
SHEET		10	OF 58
		8	









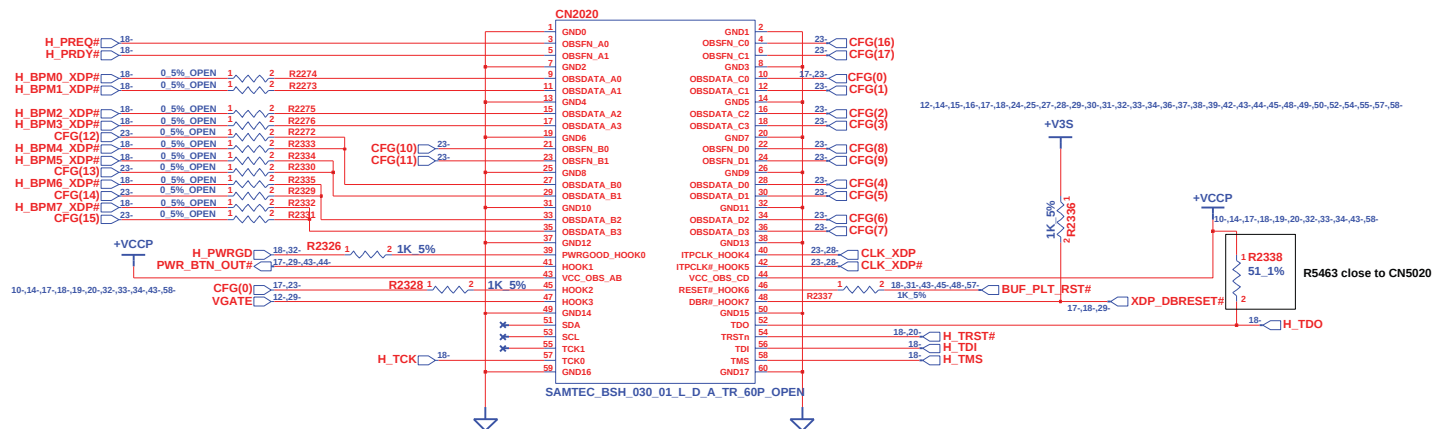


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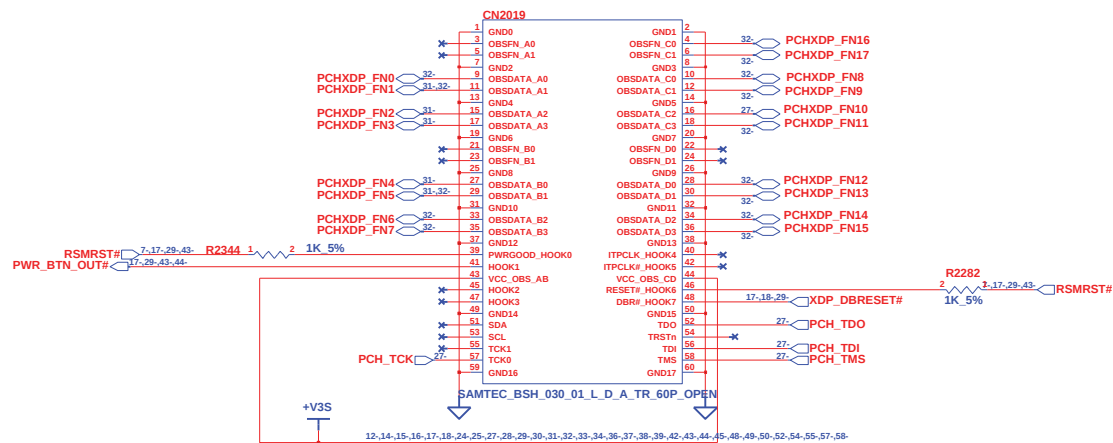
TITLE			
STYX			
THERMAL & FAN CONTROLLER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2400201	AX2

CHANGE by Thomas Ho 9-Nov-2010

SHEET 16 OF 58



CPU XDP CONNECTOR



PCH XDP CONNECTOR

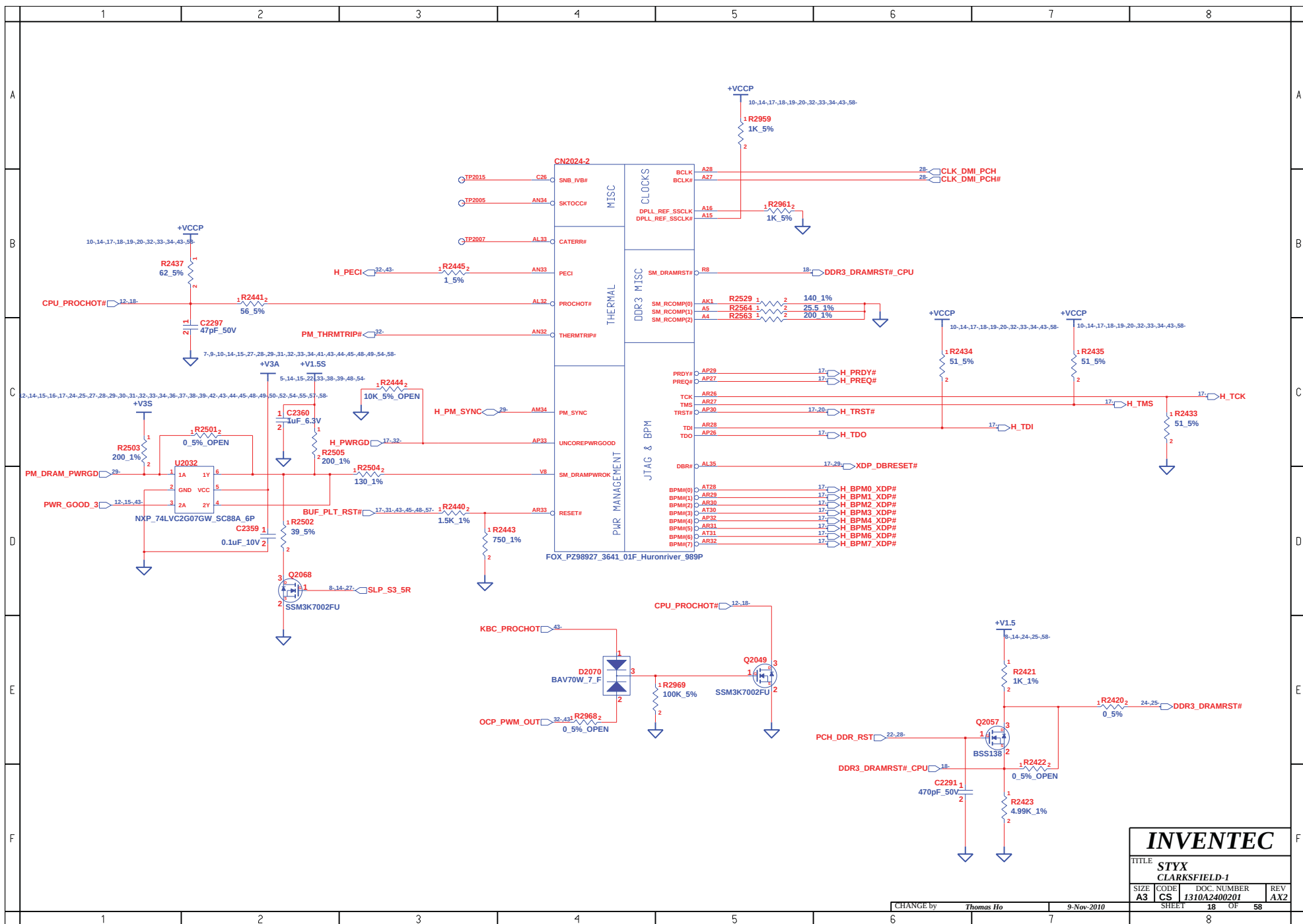
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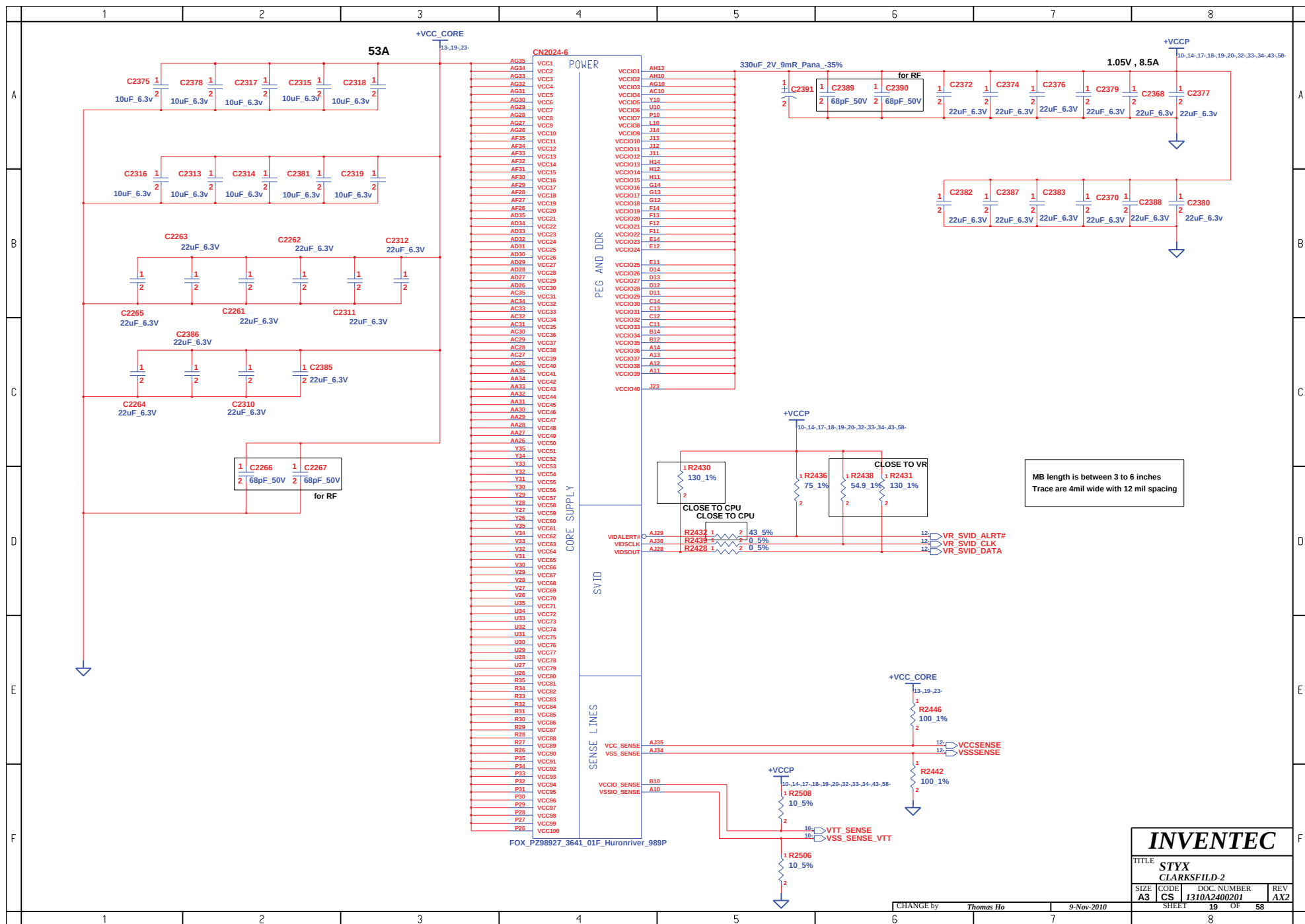
TITLE
STYX

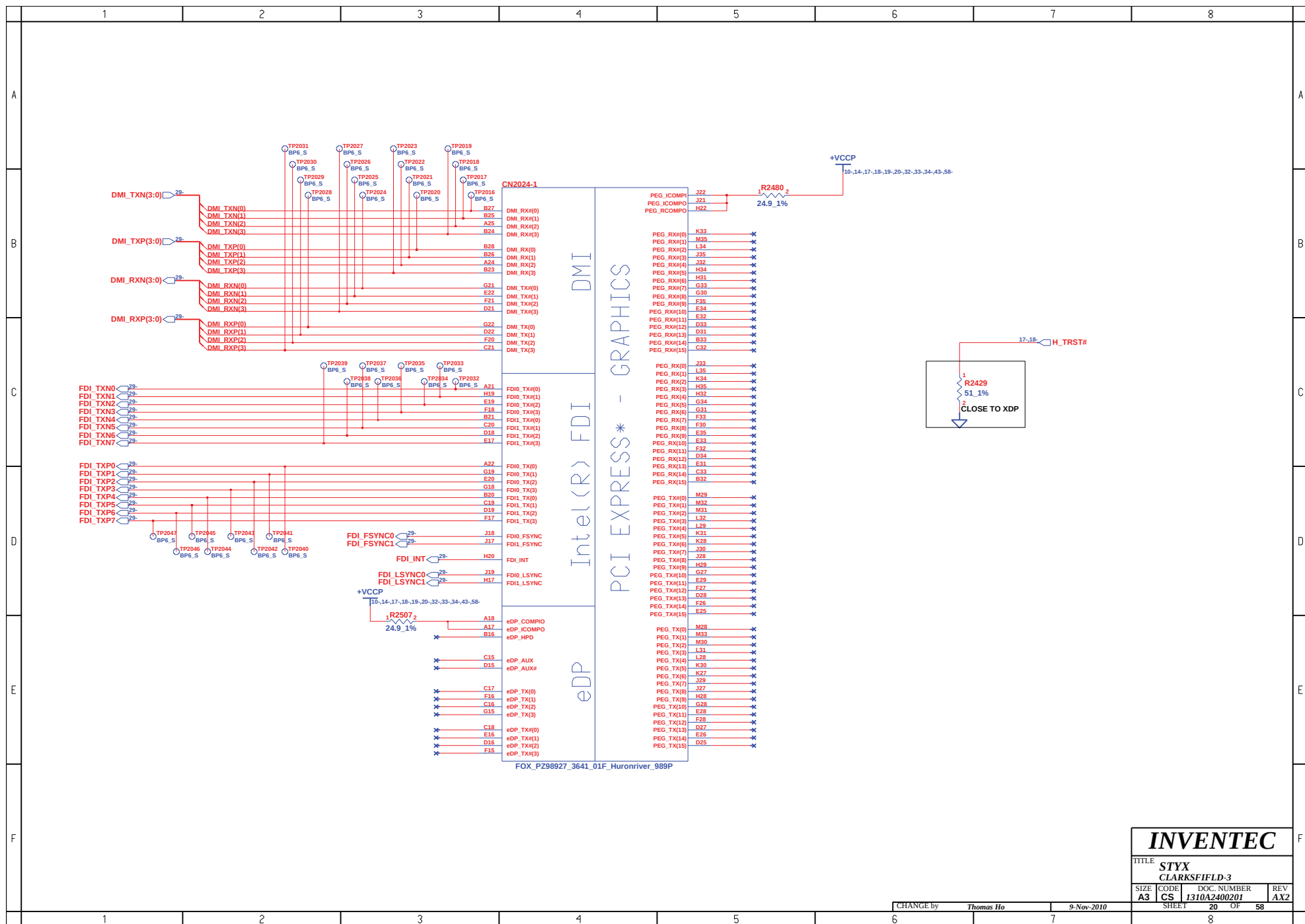
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2400201	AX2

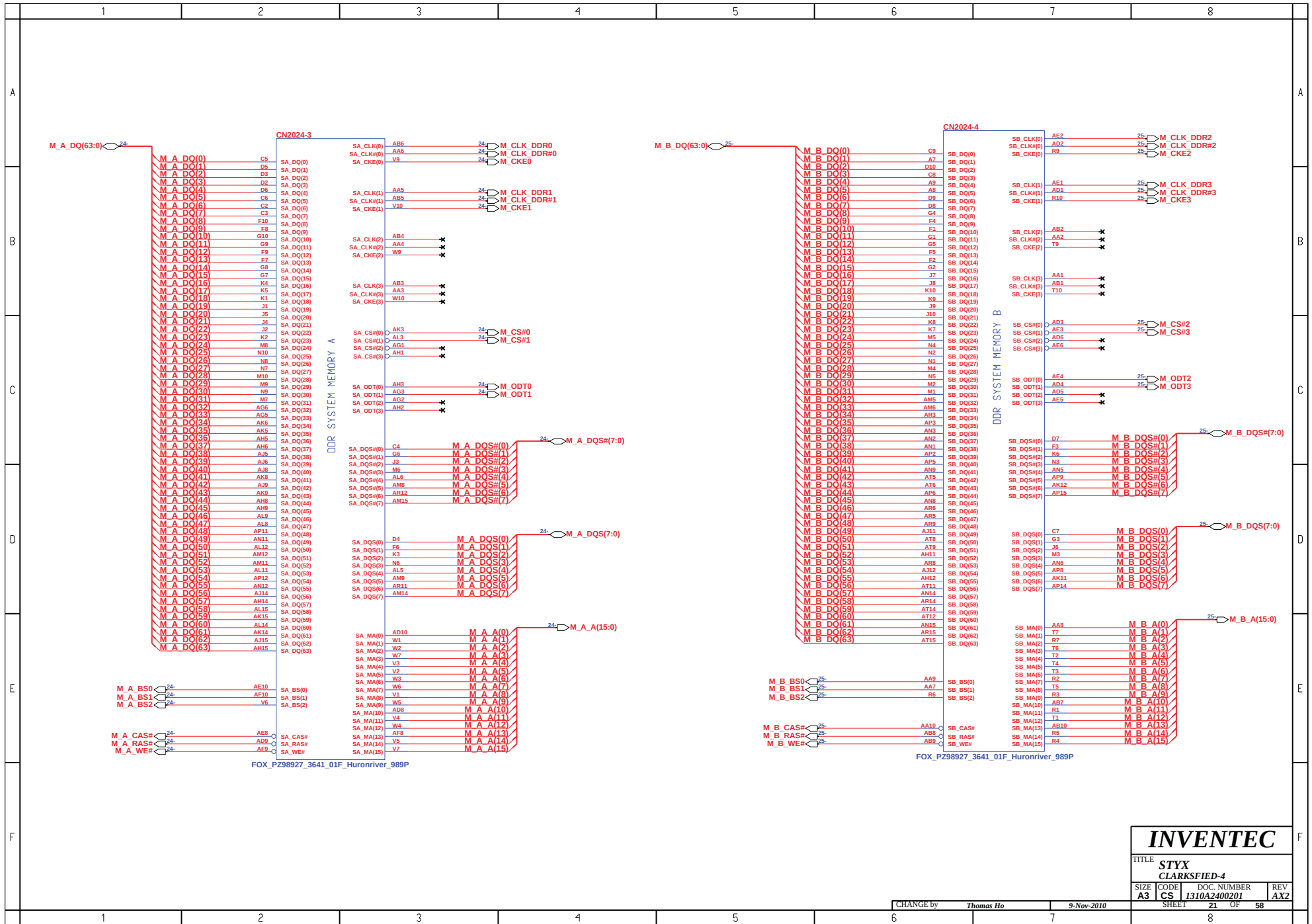
CHANGE by Thomas Ho 9-Nov-2010

SHEET 17 OF 58







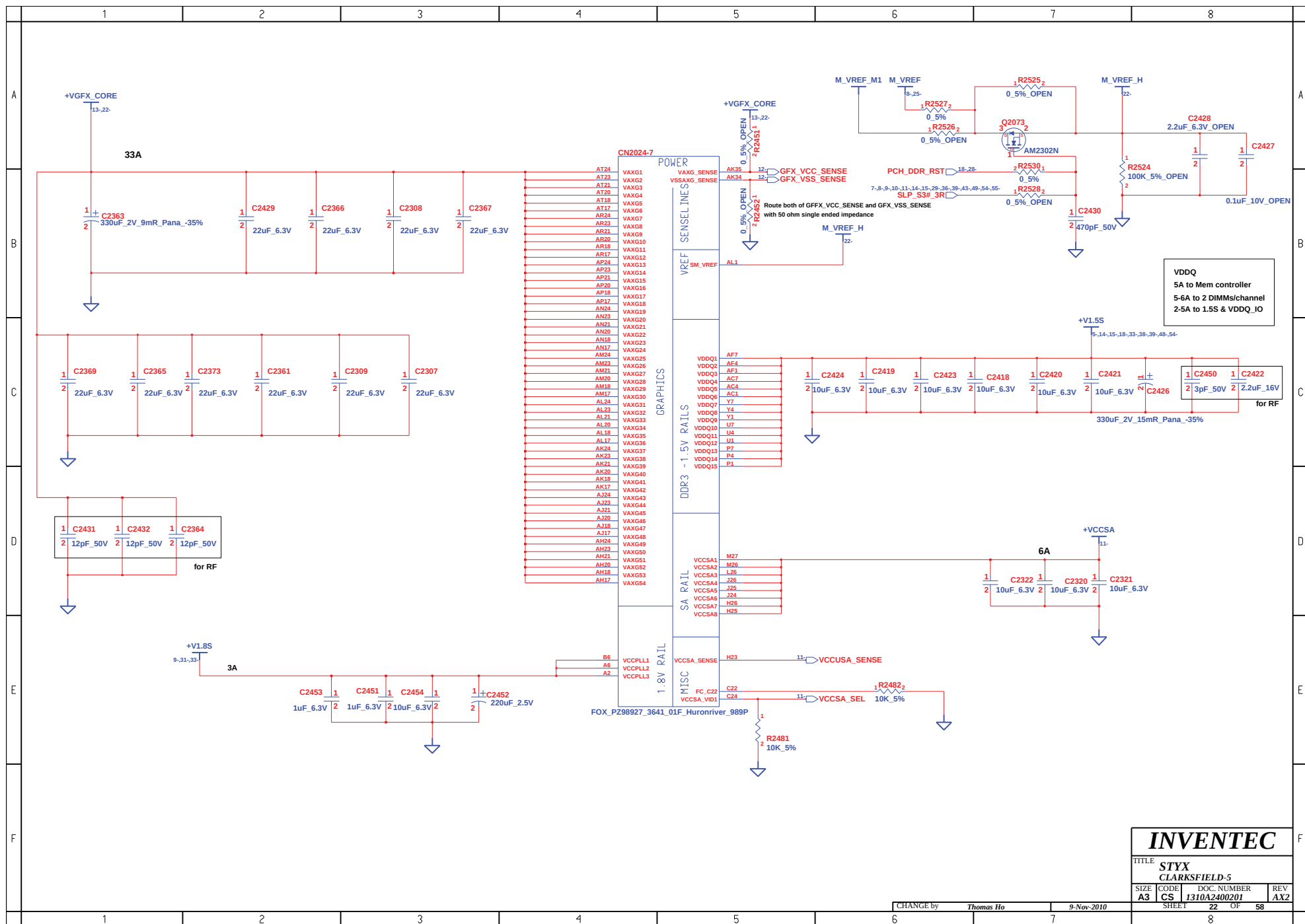


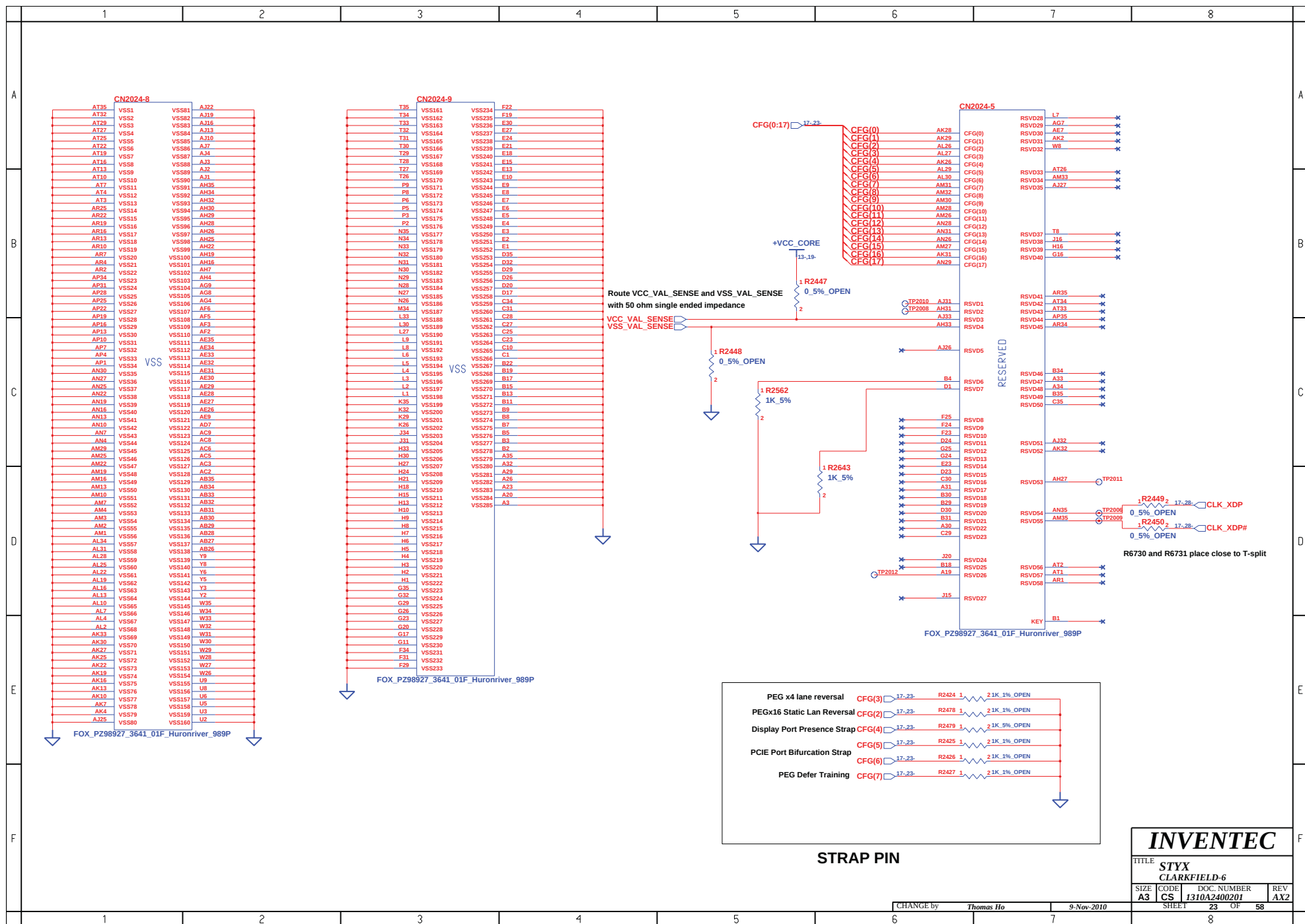
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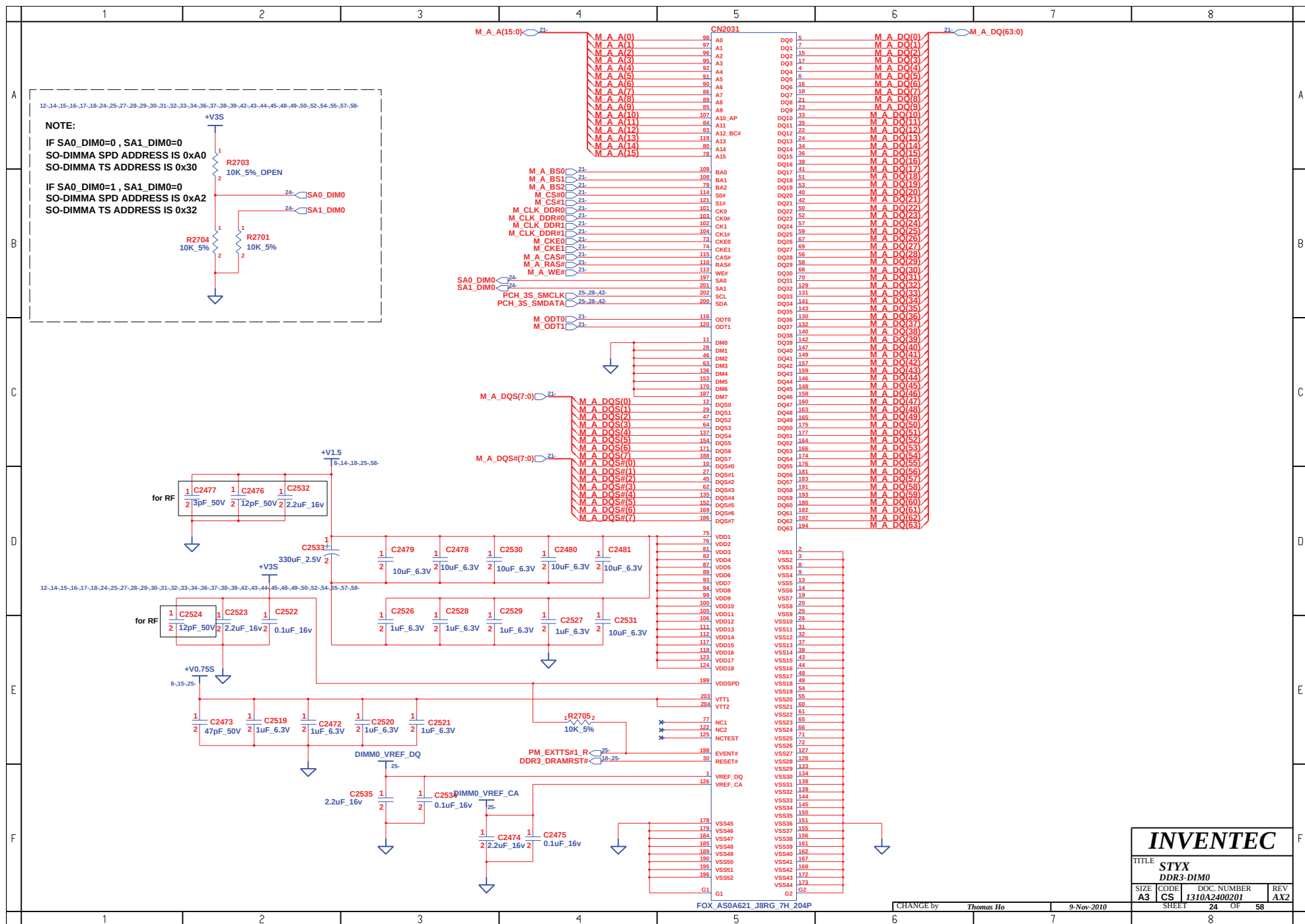
TITLE			
STYX CLARKSFIED-4			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2400201	AX2
SHEET		21	OF 58

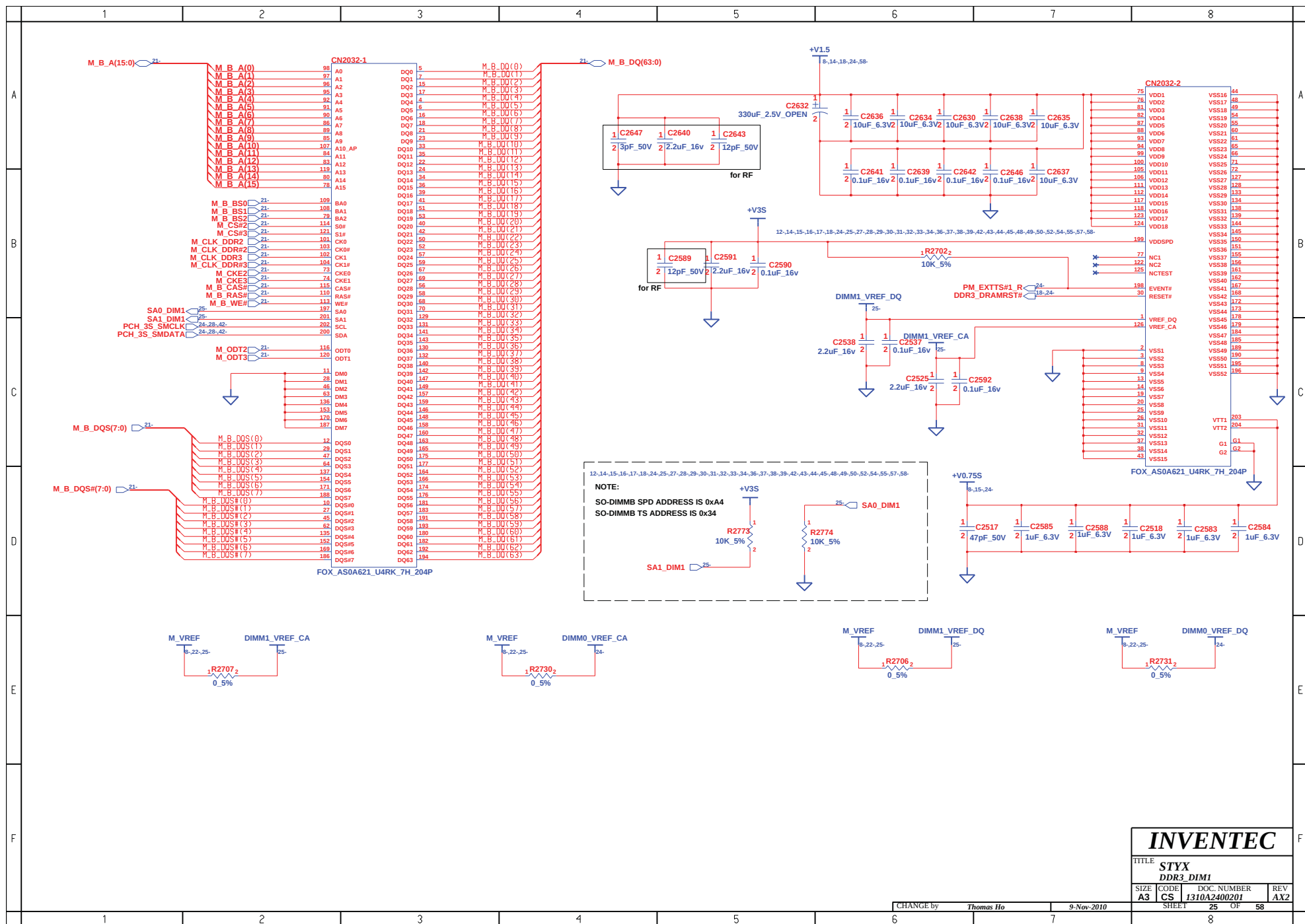
CHANGE by Thomas Ho

9-Nov-2010



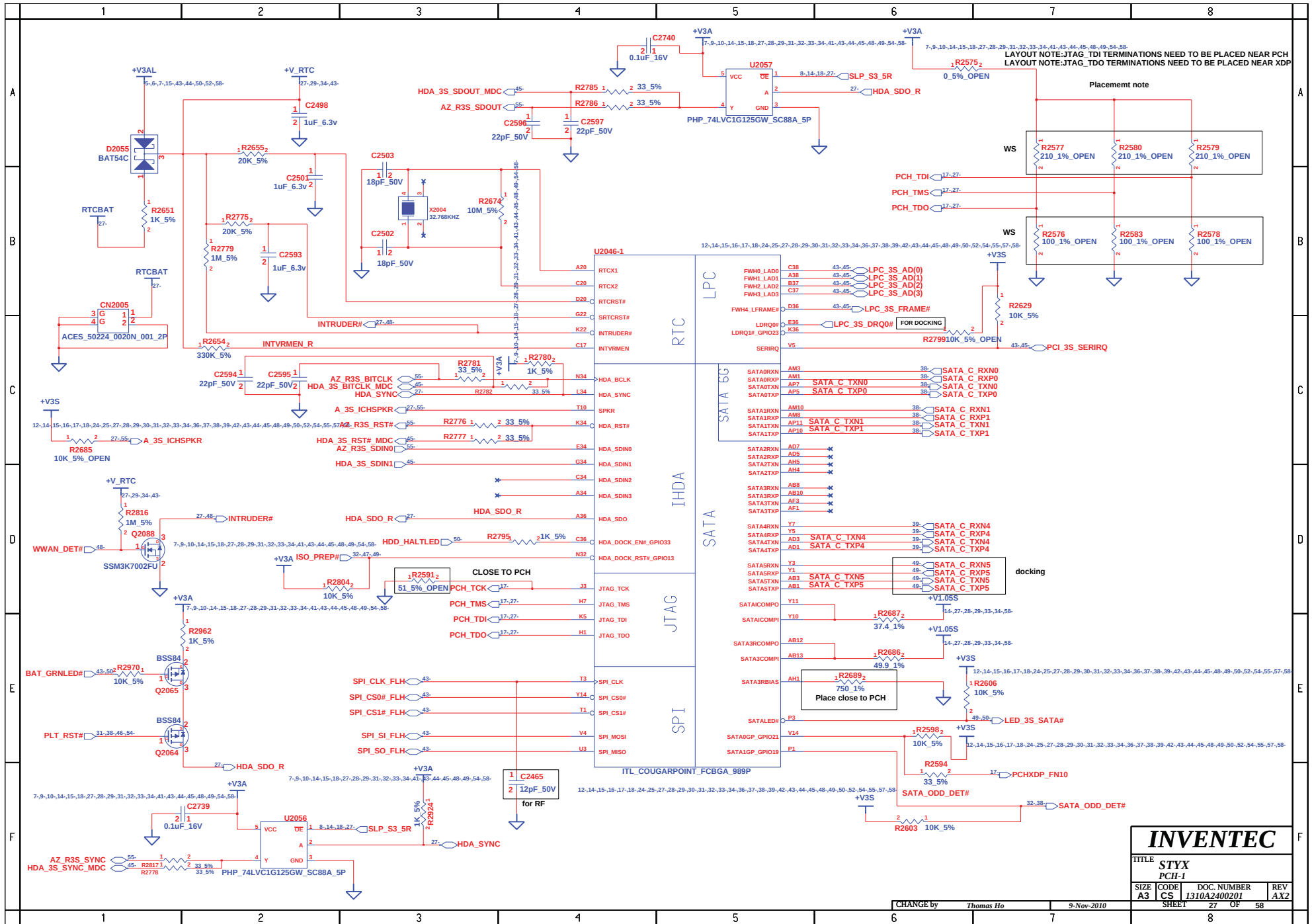


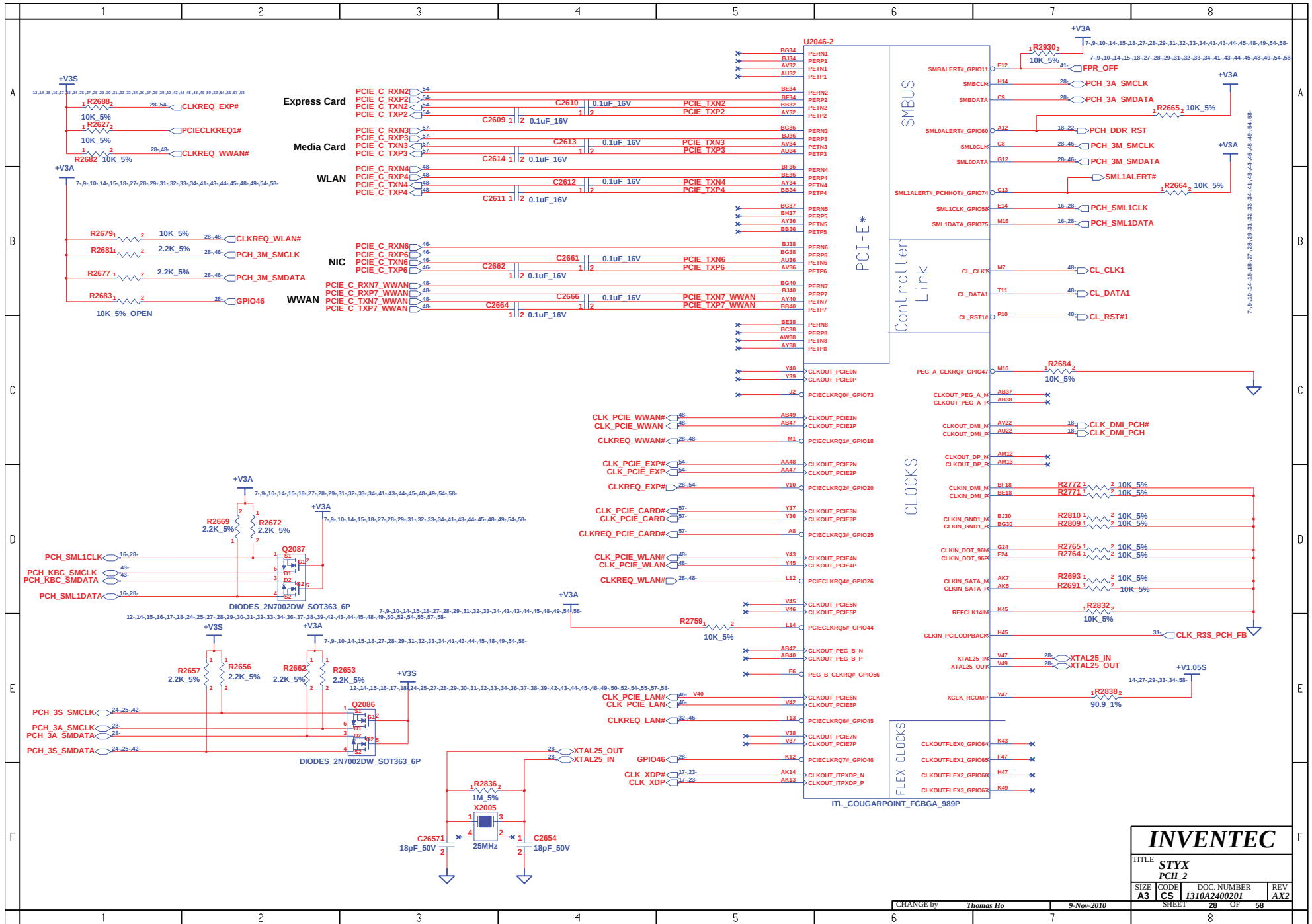


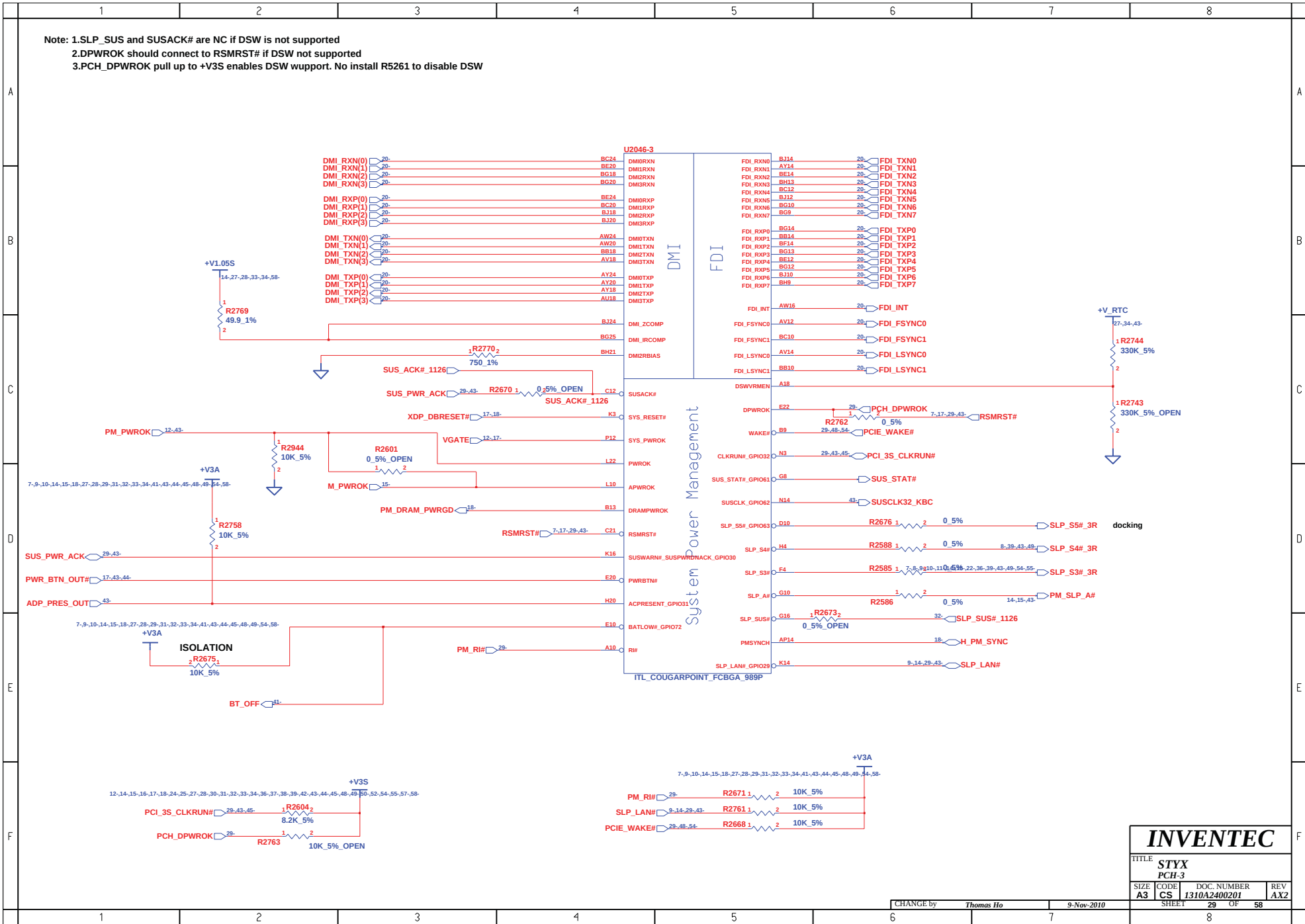


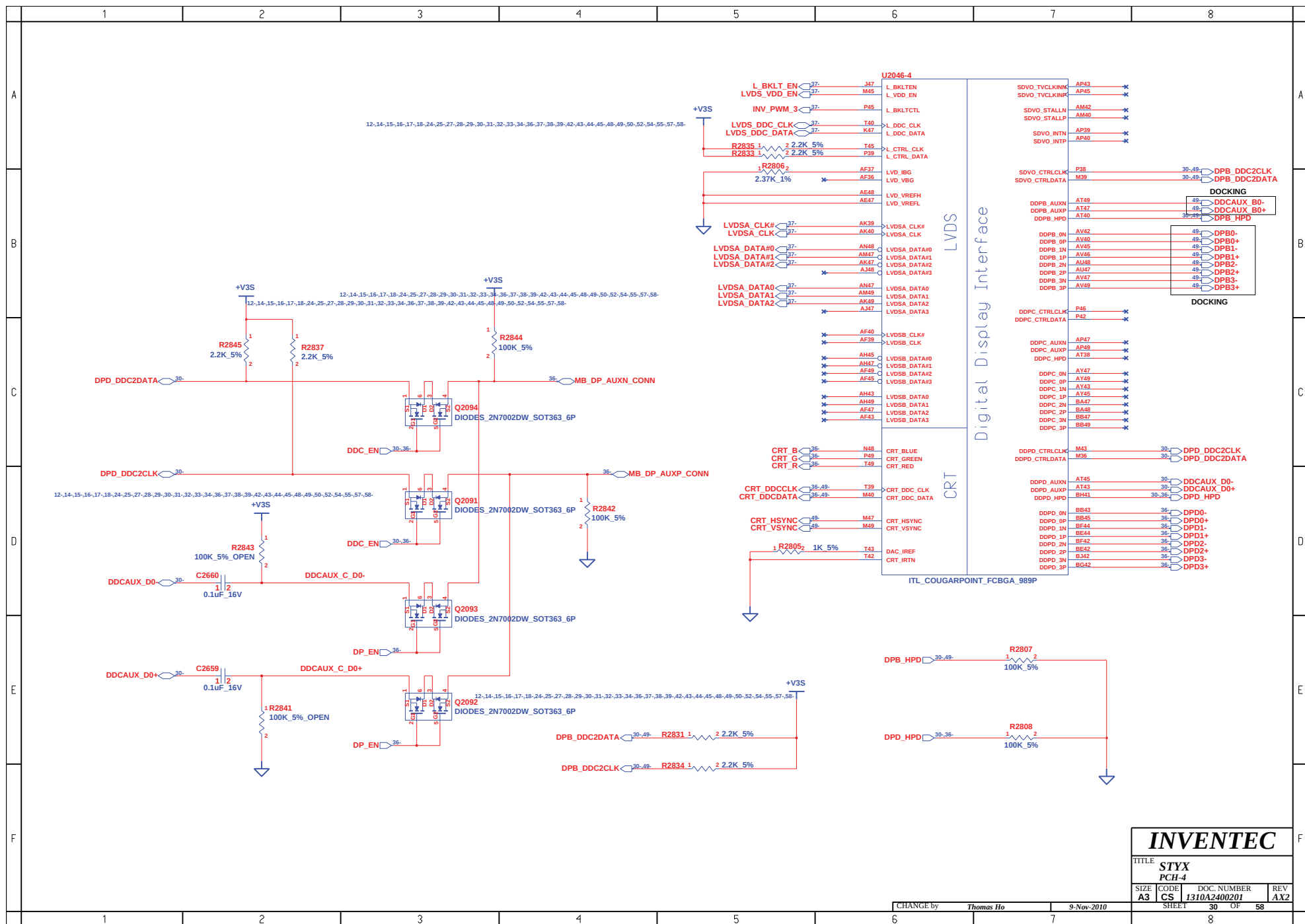
	1	2	3	4	5	6	7	8	
A	BLANK								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

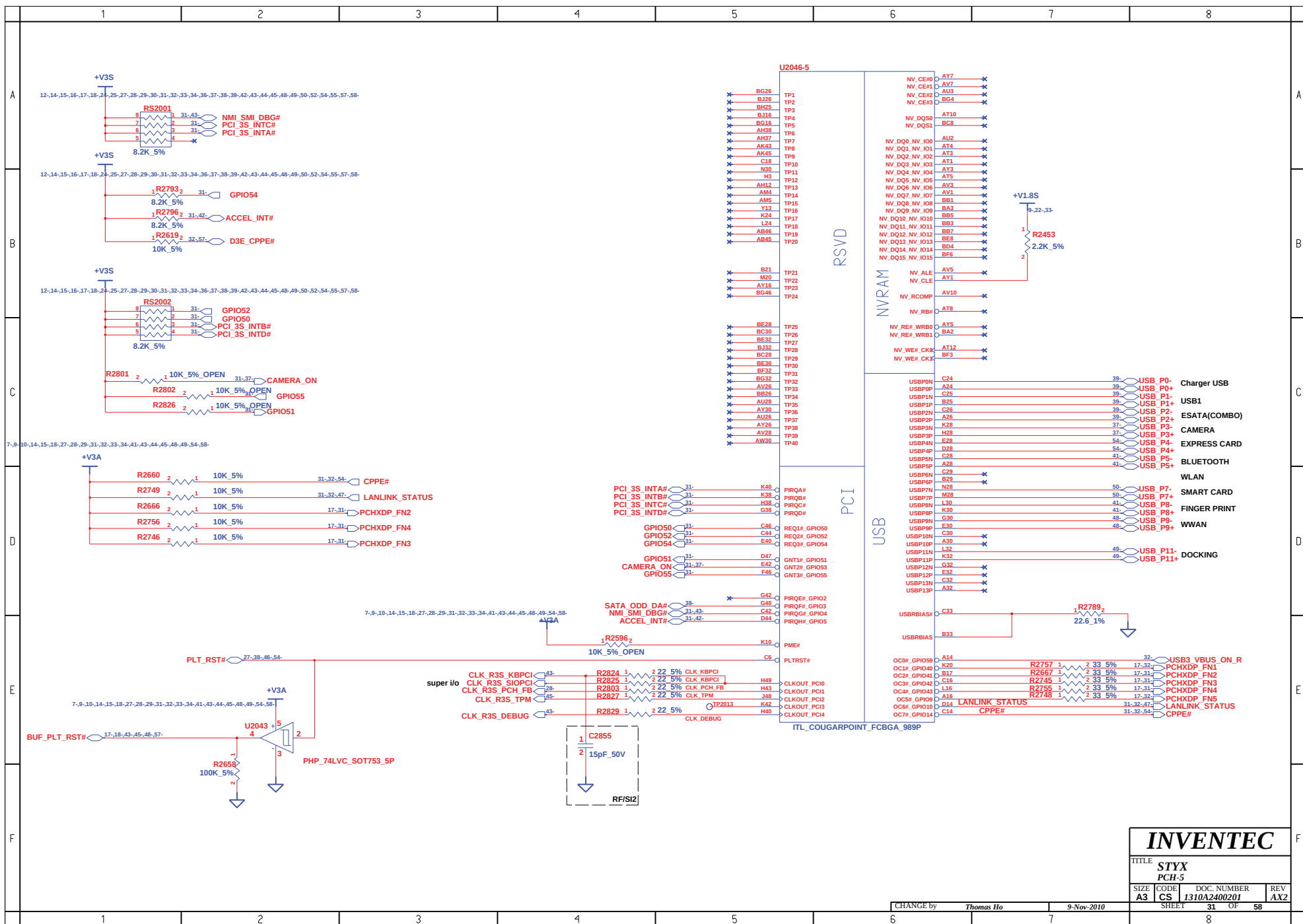
INVENTEC			
TITLE STYX BLANK			
SIZE A3	CODE CS	DOC. NUMBER 1310A2400201	REV AX2
CHANGE by Thomas Ho		9-Nov-2010	
SHEET		26	OF 58

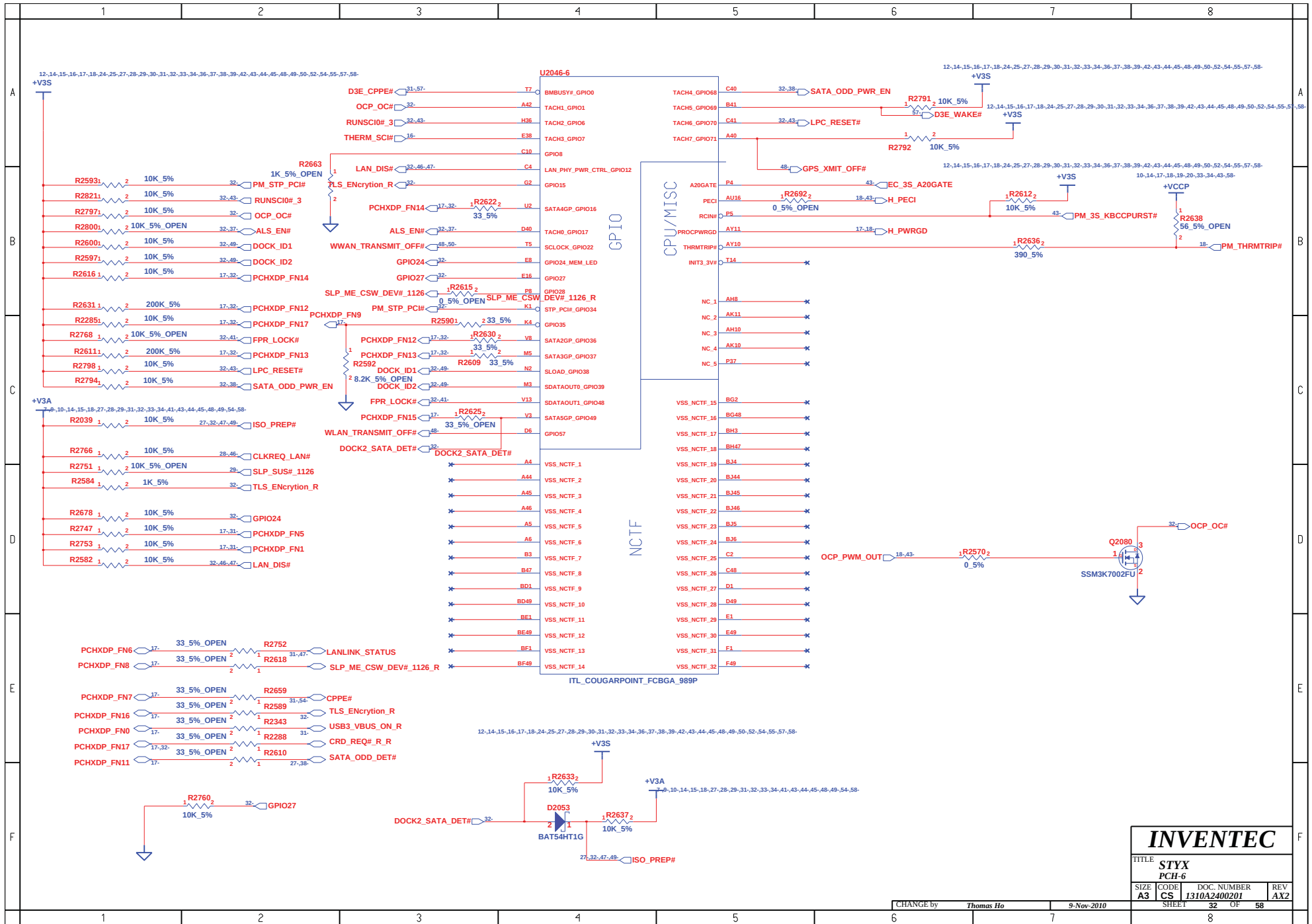


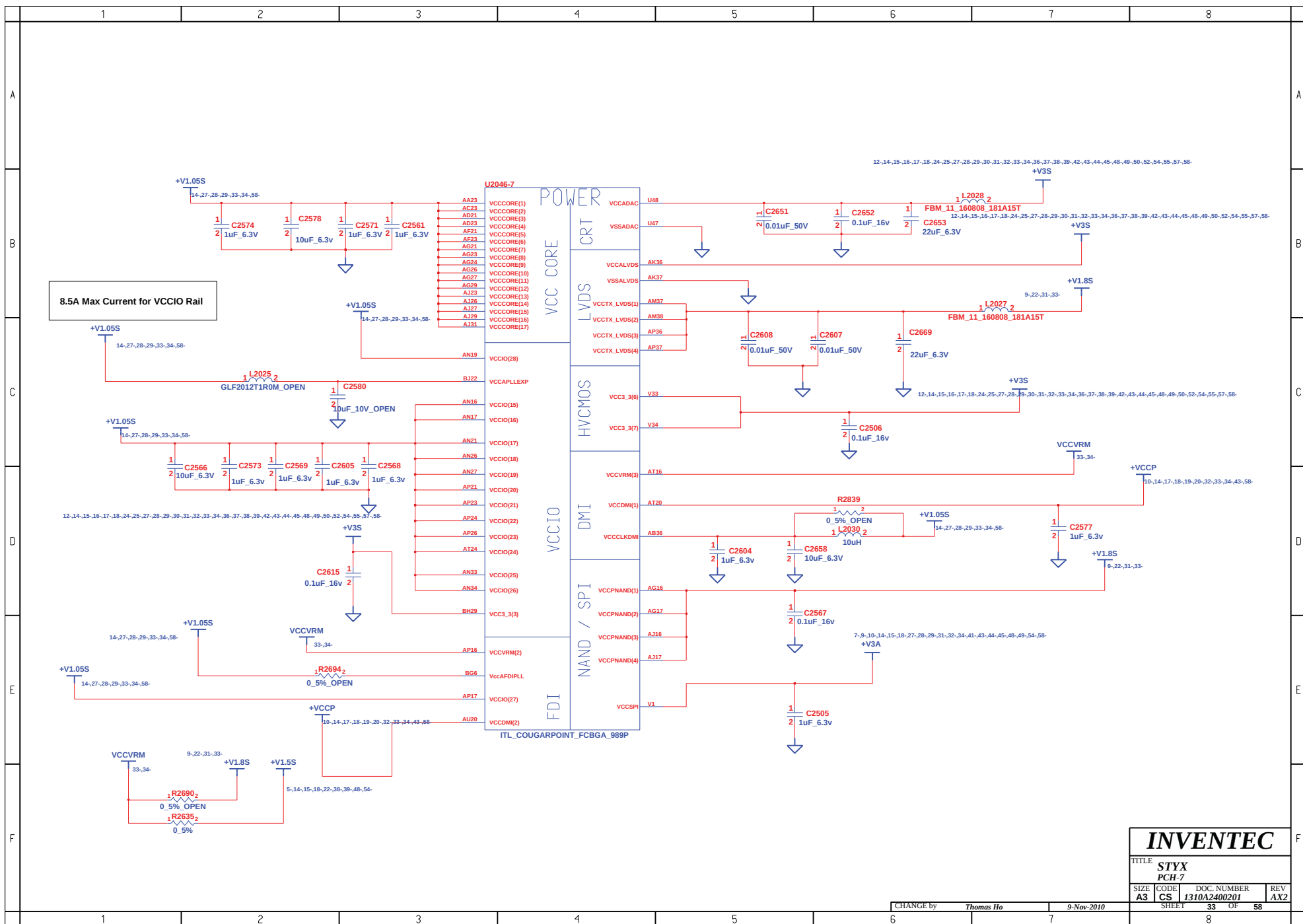












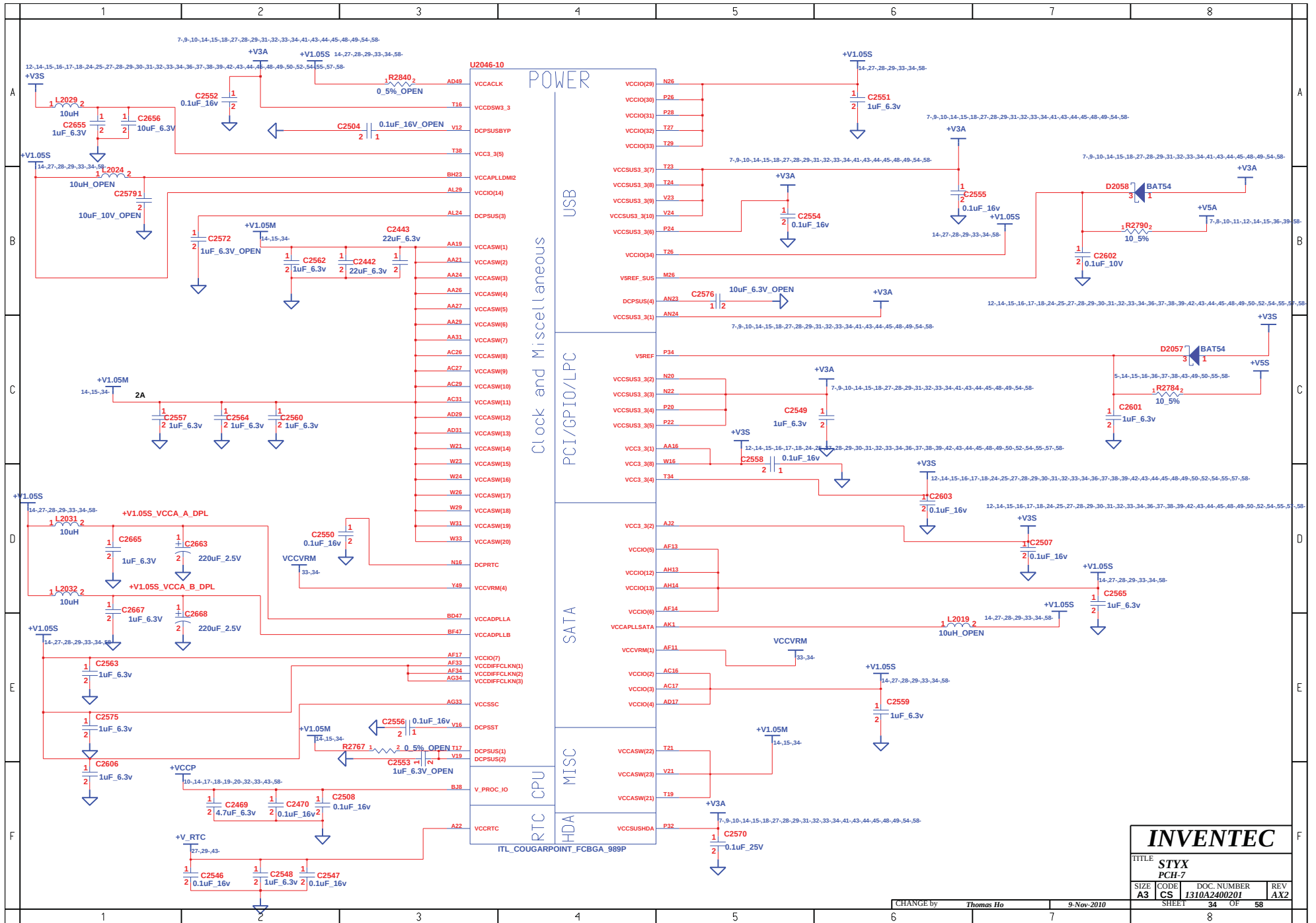
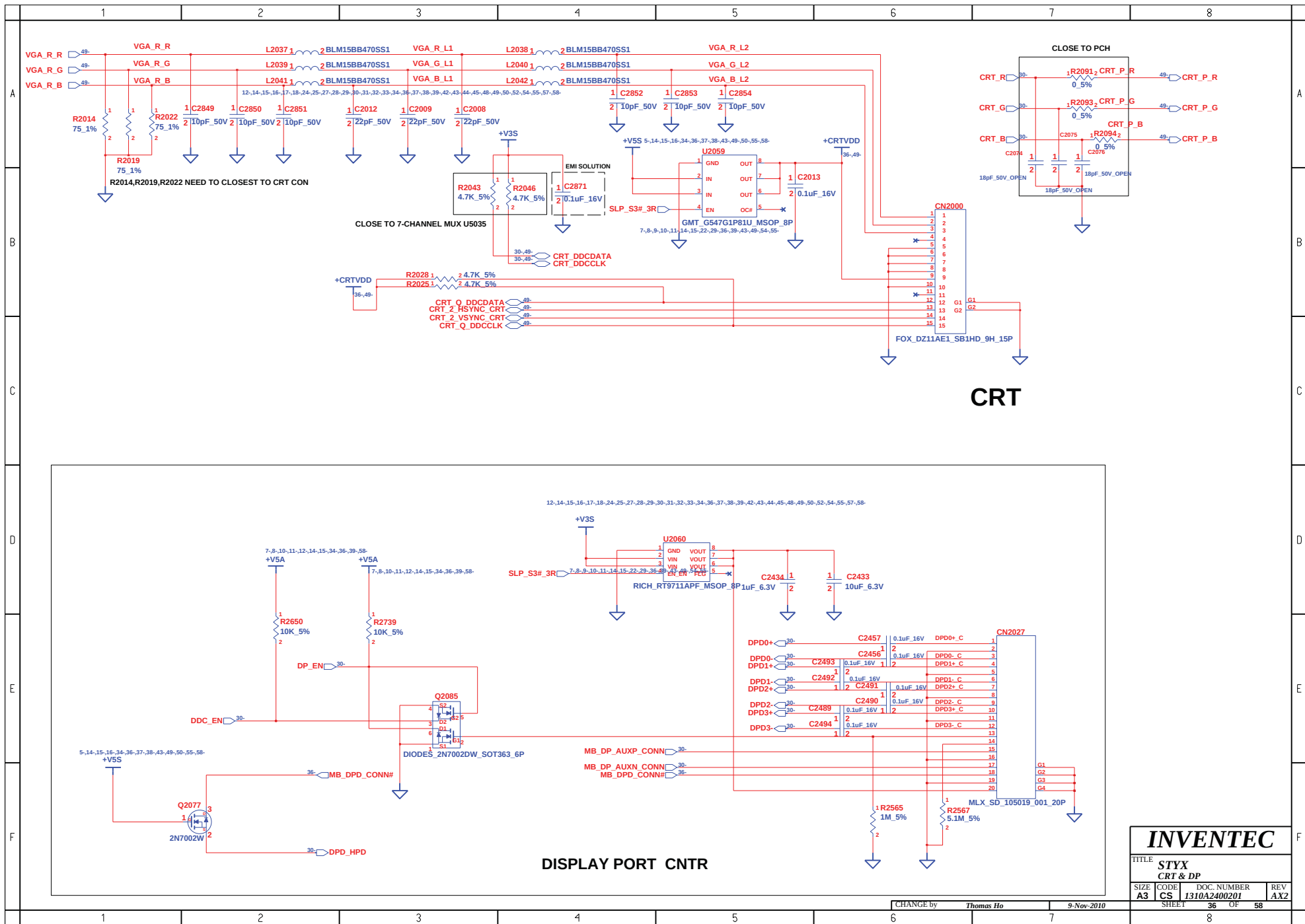
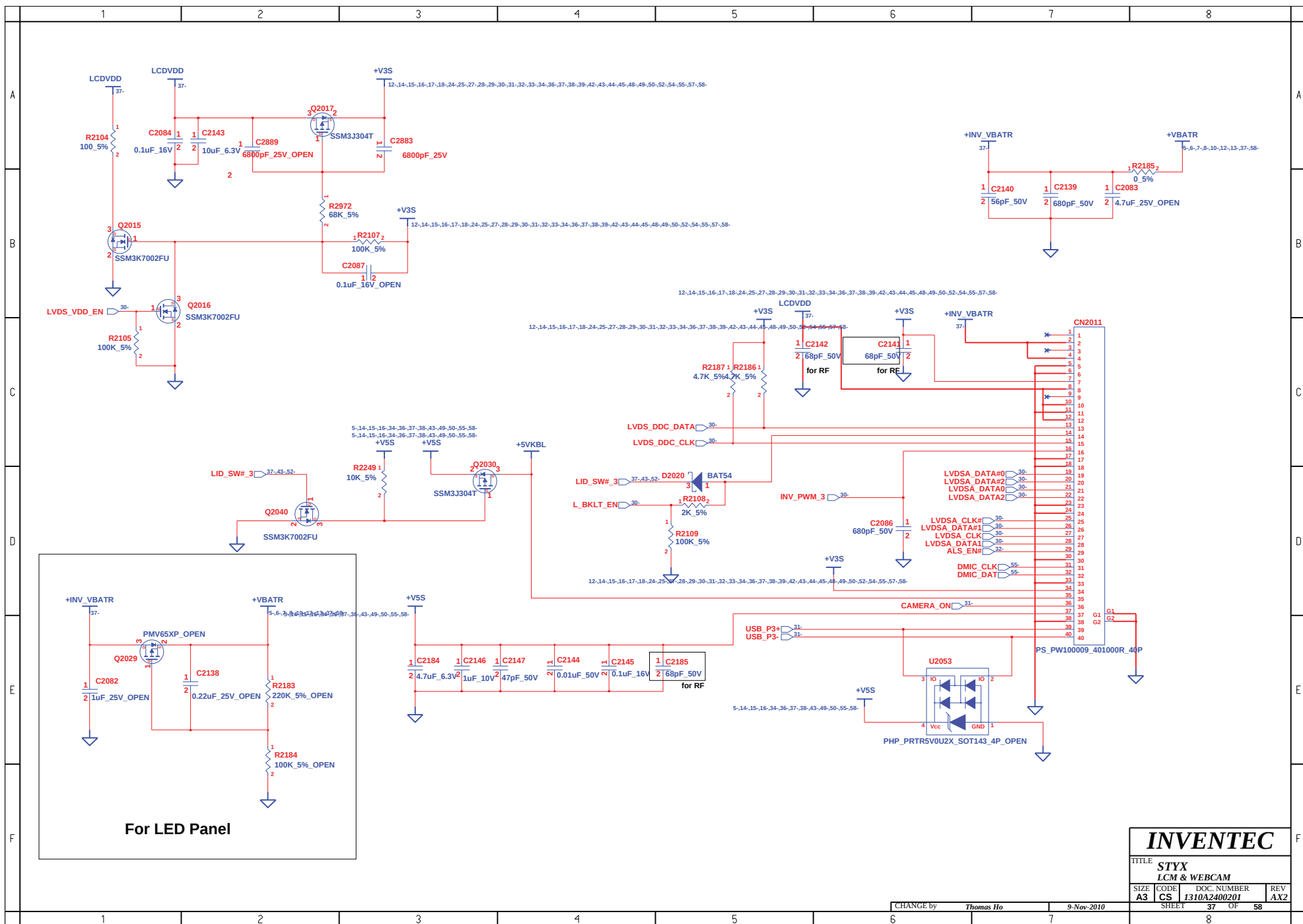
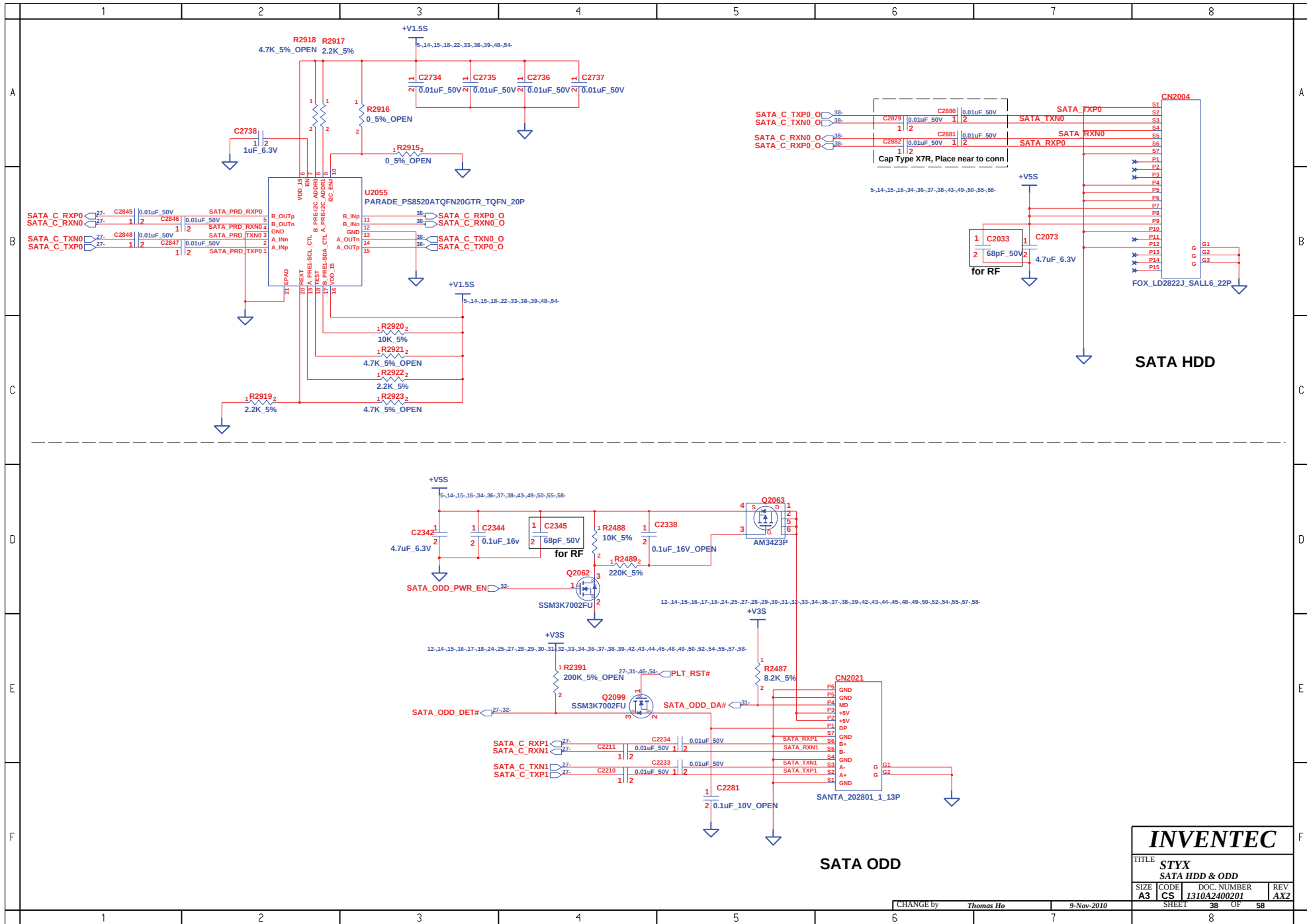


Diagram showing two PCB layouts, U2046-8 and U2046-9, with component footprints and labels. The layouts are oriented vertically, with components labeled on the left and right sides. The top of the diagram is labeled with 'A' and 'B' on the left, and 'C' and 'D' on the right. The bottom of the diagram is labeled with 'E' and 'F' on the left, and 'G' and 'H' on the right. The layout includes a title block at the bottom right with the text 'INVENTEC', 'STYX', 'PCH-8', '1310A2400201', and 'AX2'. The layout also includes a table at the bottom right with the following columns: 'CHANGE by', 'Thomas Ho', '9-Nov-2010', 'SHEET', '35', 'OF', '58'.

CHANGE by	Thomas Ho	9-Nov-2010	SHEET	35	OF	58
AX3	CS	DOC. NUMBER	1310A2400201	REV	AX2	







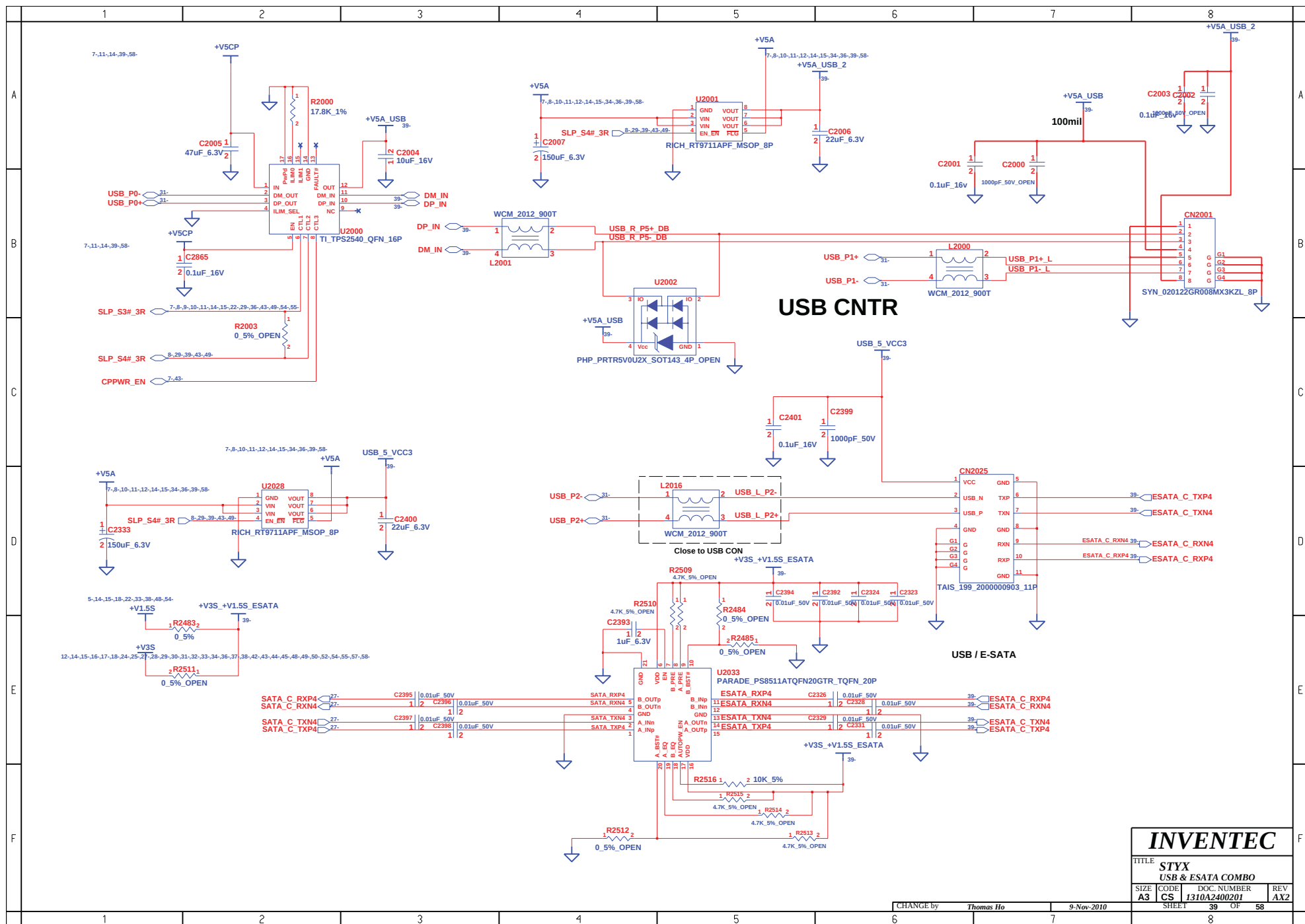
INVENTEC

TITLE			
STYX			
SATA HDD & ODD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2400201	AX2
SHEET		38	OF 58

CHANGE by Thomas Ho

9-Nov-2010

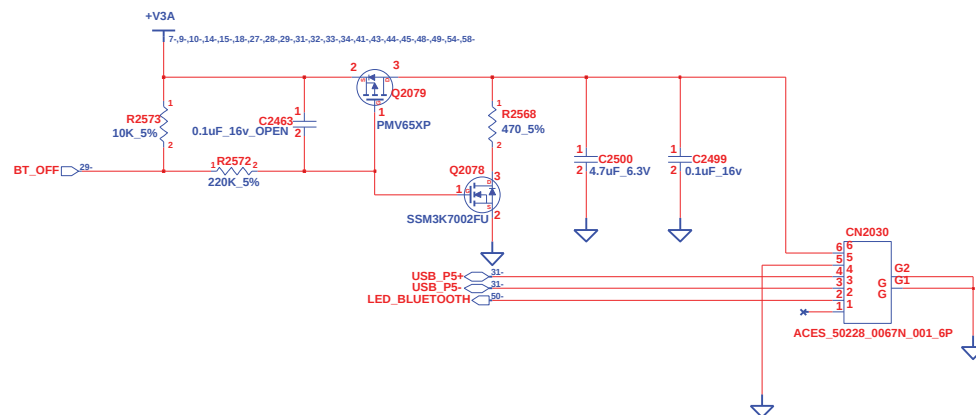
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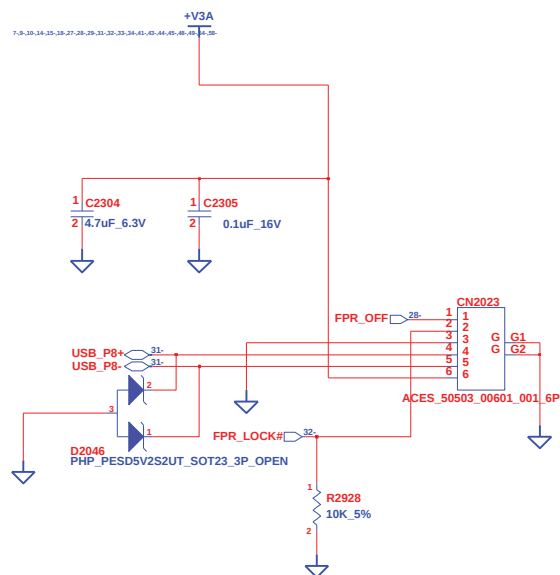
	1	2	3	4	5	6	7	8	
A	BLANK								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

INVENTEC			
TITLE STYX BLANK			
SIZE A3	CODE CS	DOC. NUMBER 1310A2400201	REV AX2
SHEET		40	OF 58

CHANGE by Thomas Ho 11-Nov-2010

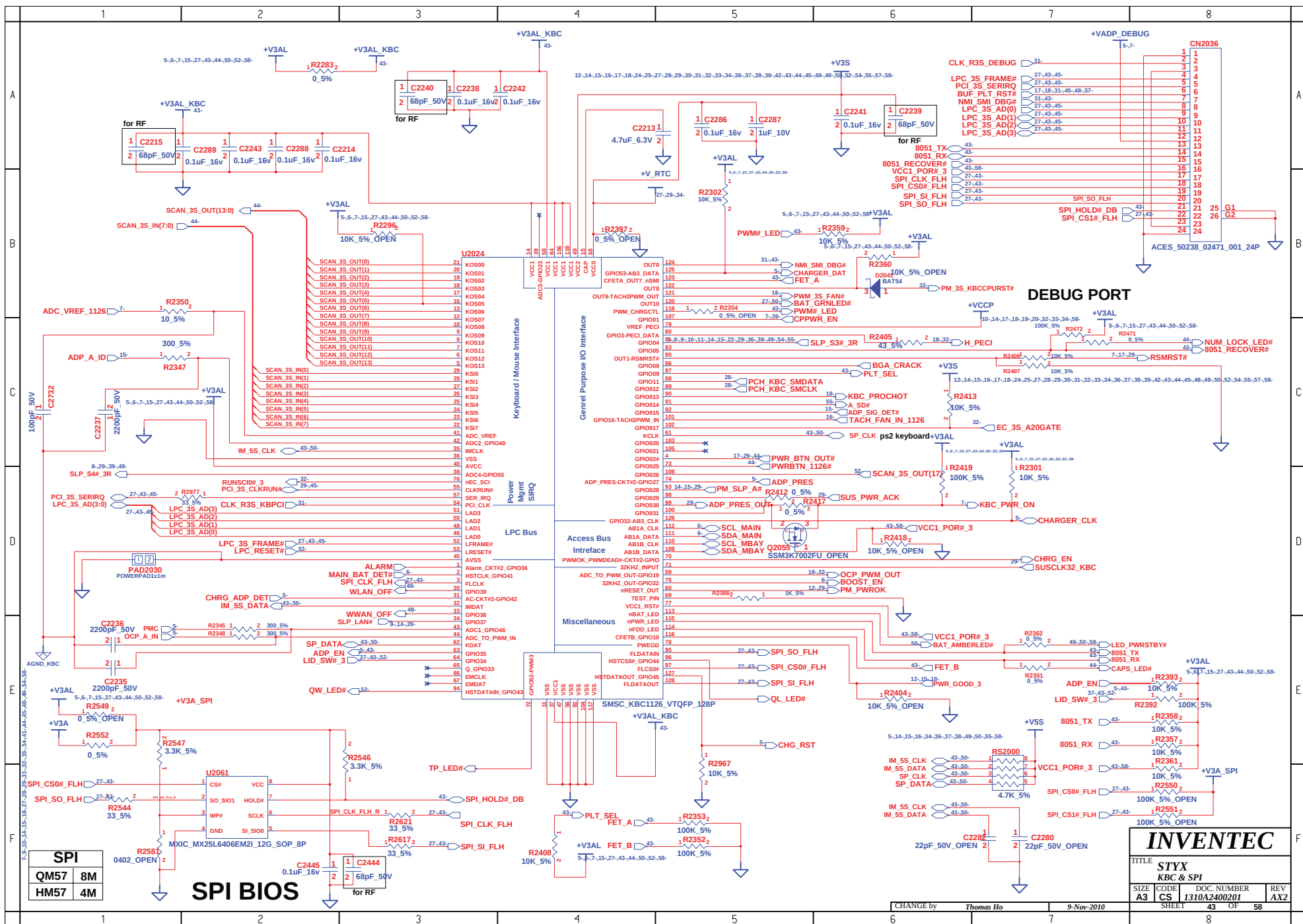


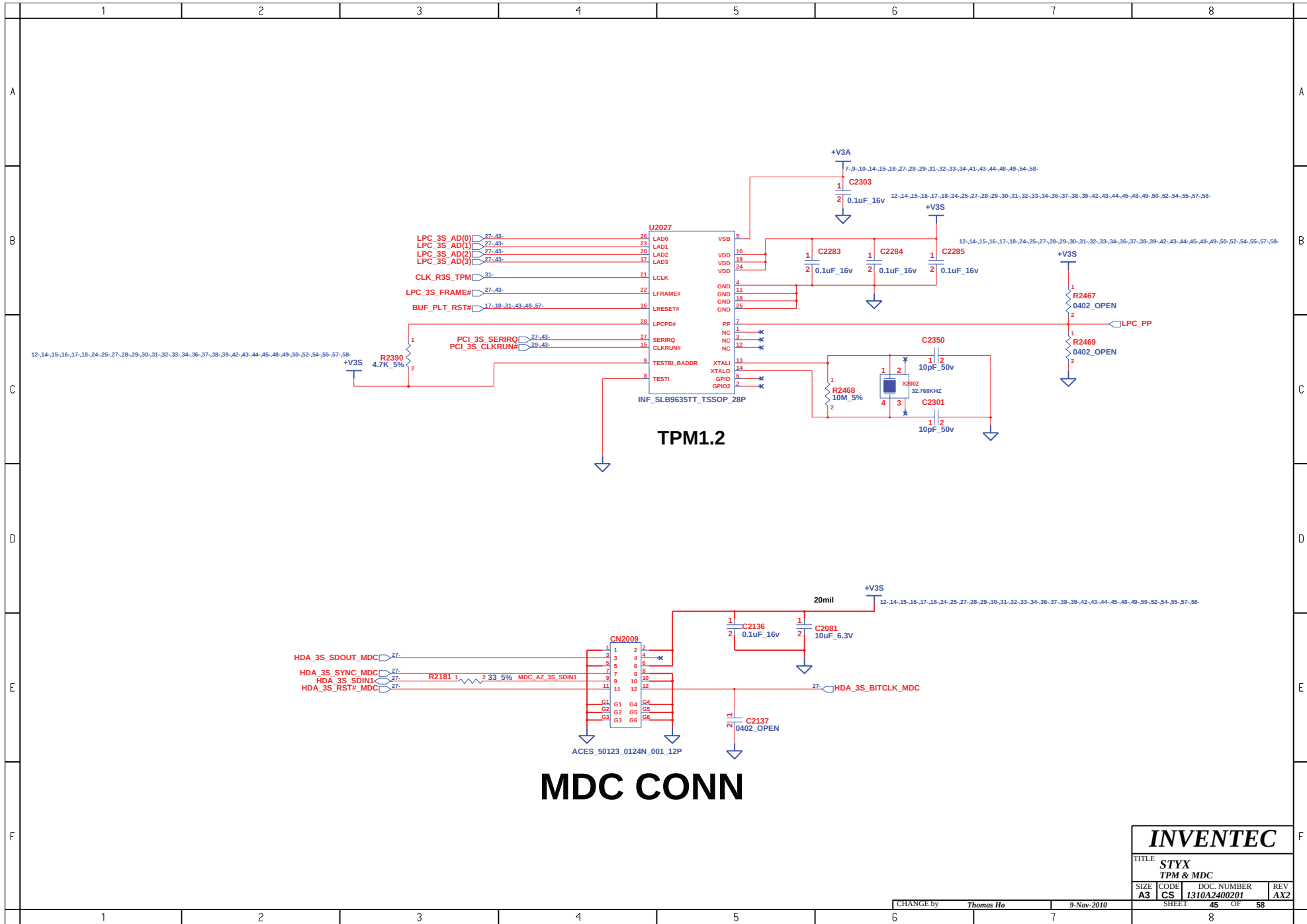
BLUETOOTH

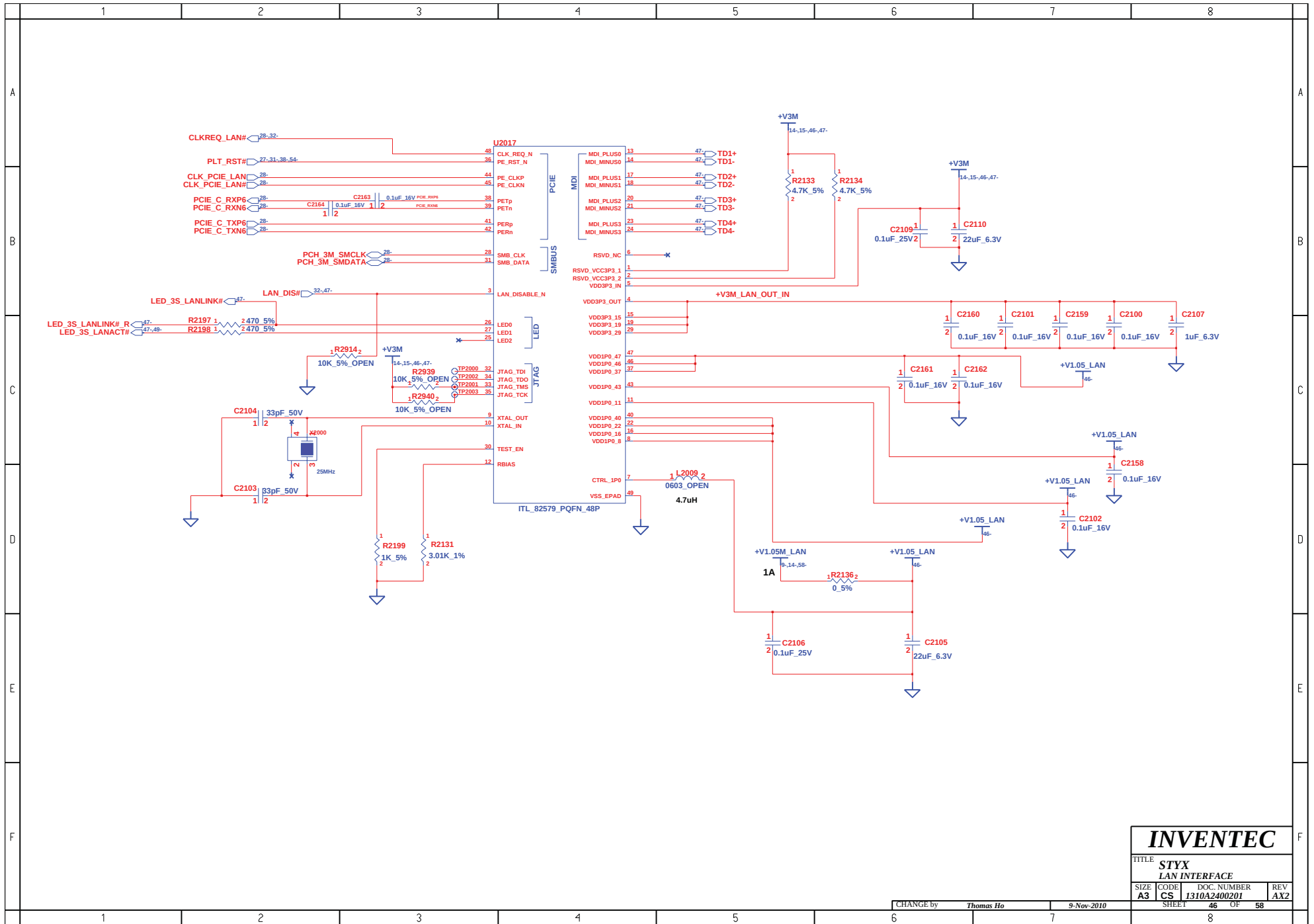


FINGER PRINTER CNTR

INVENTEC			
TITLE STYX			
BLUETOOTH & FINGER PRINTER			
SIZE A3	CODE CS	DOC. NUMBER 1310A2400201	REV AX2
CHANGE by Thomas Ho		9-Nov-2010	
SHEET 41		OF 58	





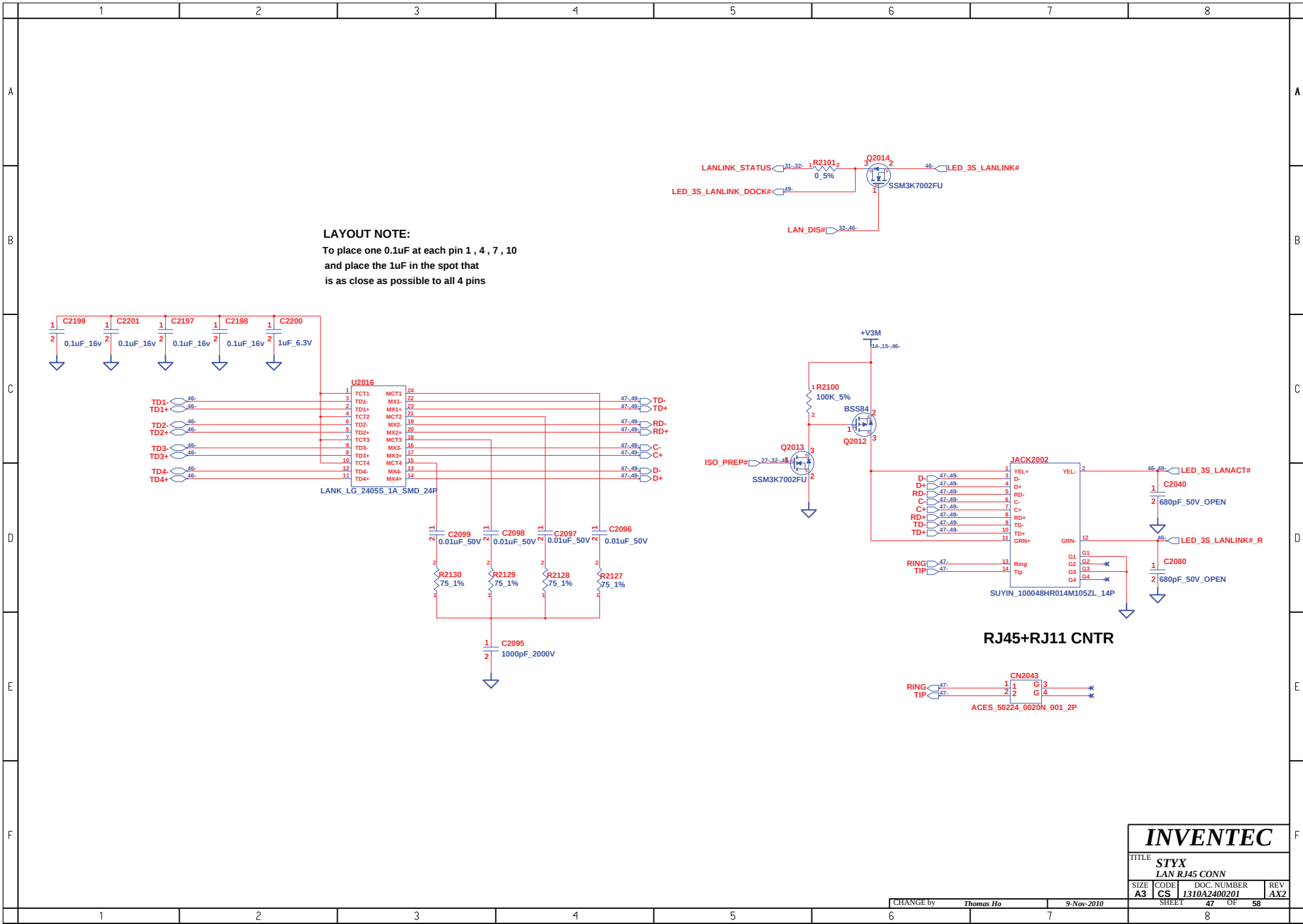


INVENTEC

TITLE			
STYX LAN INTERFACE			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2400201	AX2

CHANGE by Thomas Ho 9-Nov-2010

SHEET 46 OF 58



LAYOUT NOTE:
To place one 0.1uF at each pin 1, 4, 7, 10
and place the 1uF in the spot that
is as close as possible to all 4 pins

RJ45+RJ11 CNTR

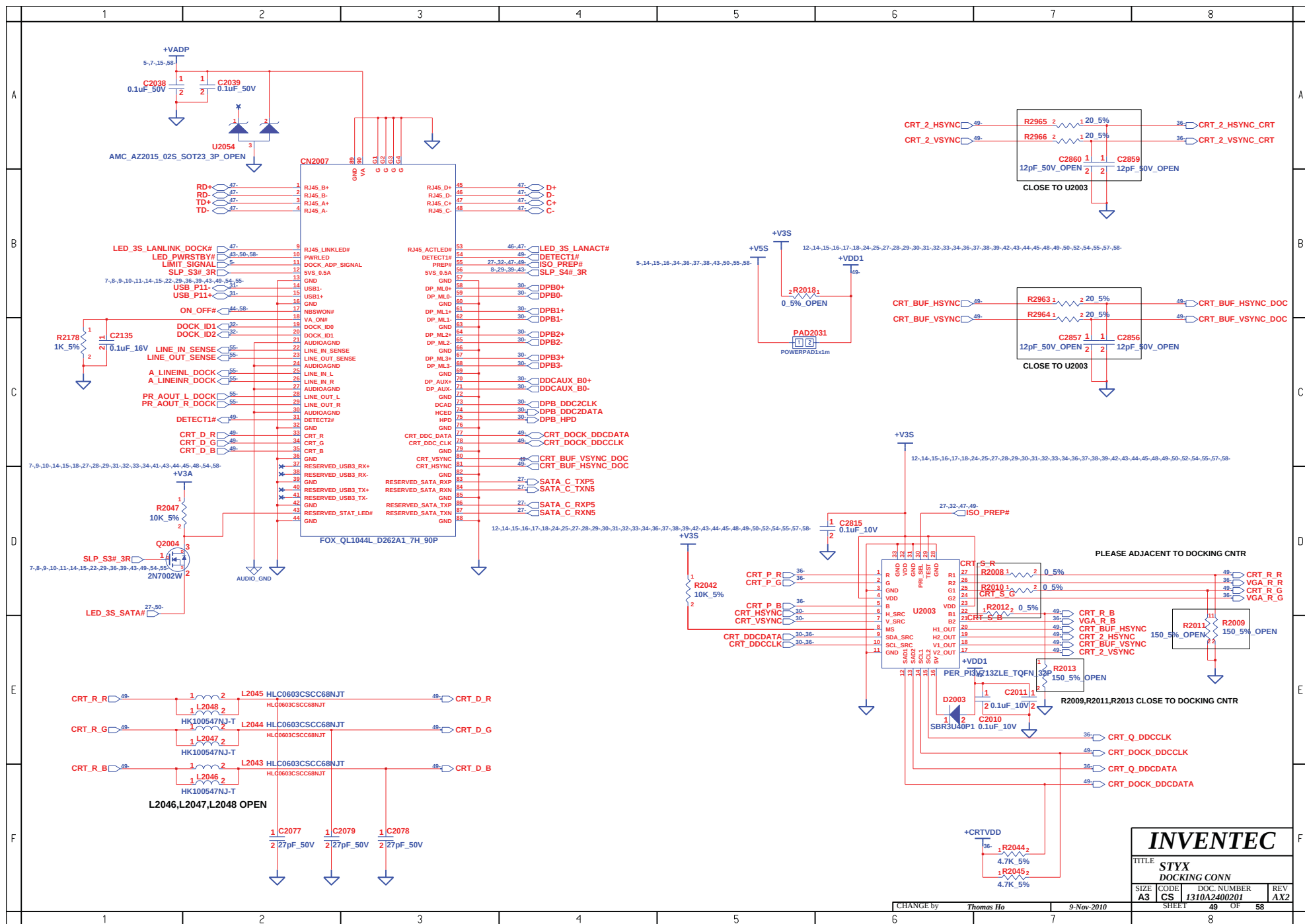
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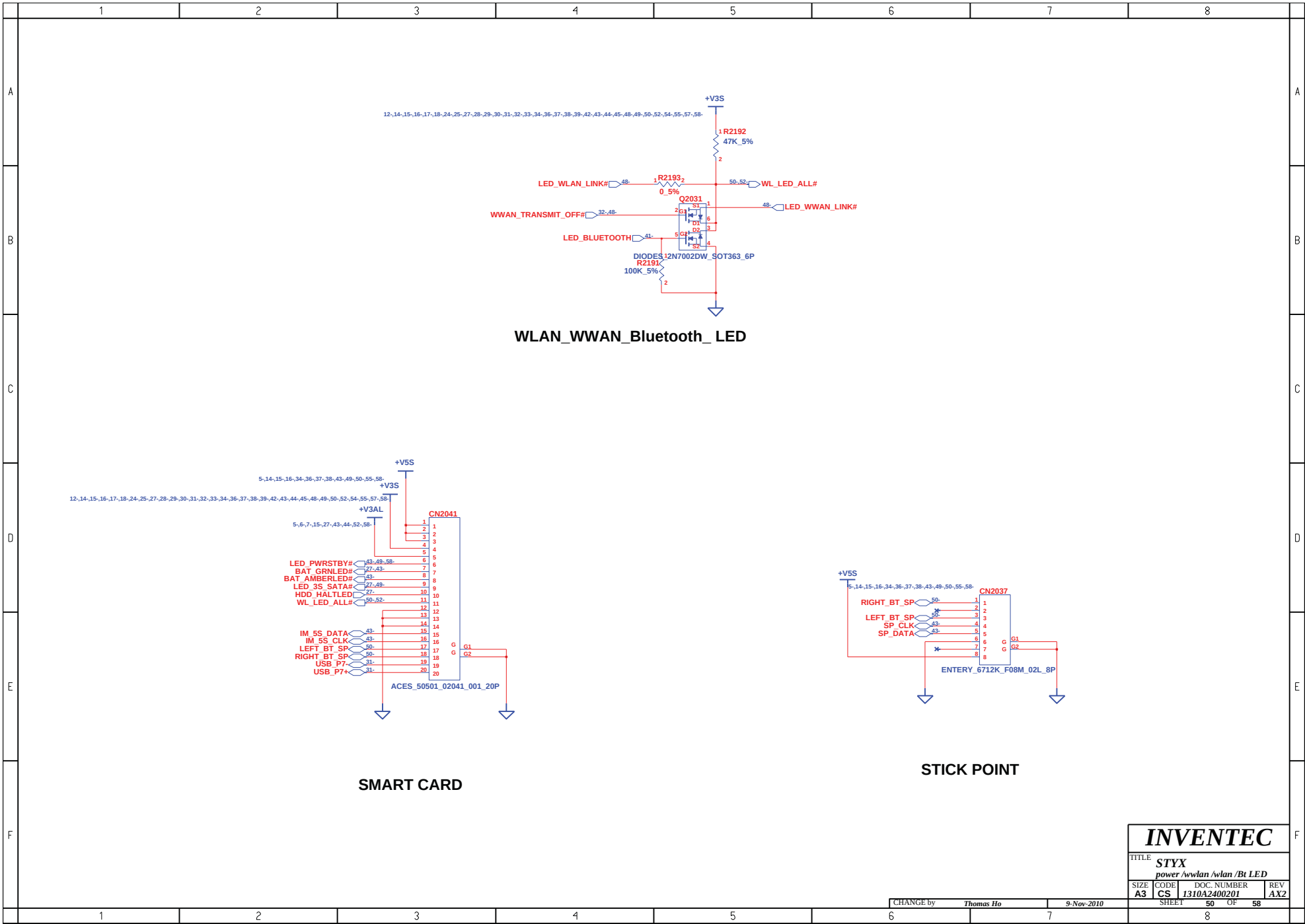
TITLE
STYX
LAN RJ45 CONN

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2400201	AX2

CHANGE by Thomas Ho 9-Nov-2010

SHEET 47 OF 58





INVENTEC

TITLE
STYX
power /wwlan /wlan /Bt LED

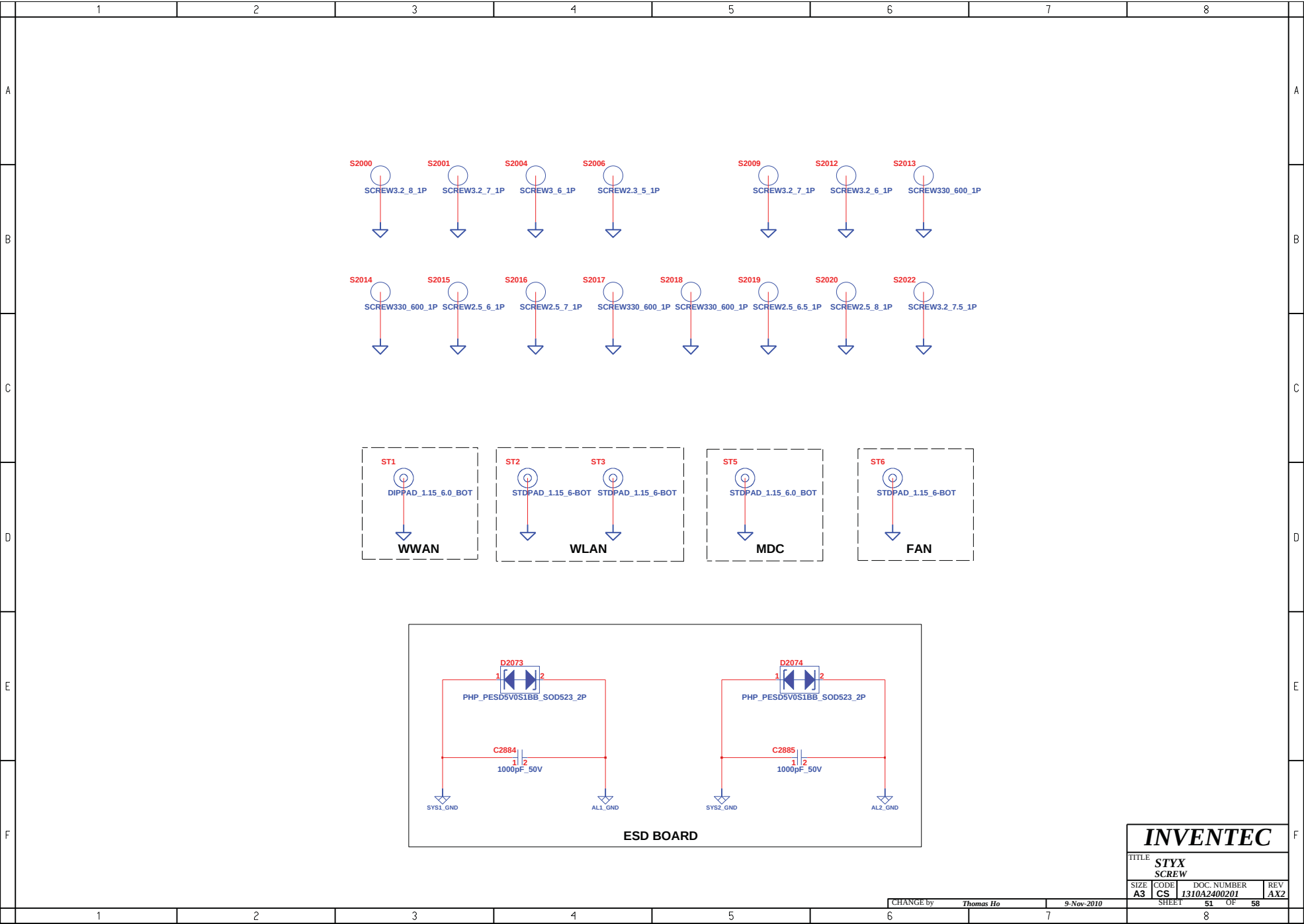
SIZE CODE DOC. NUMBER REV

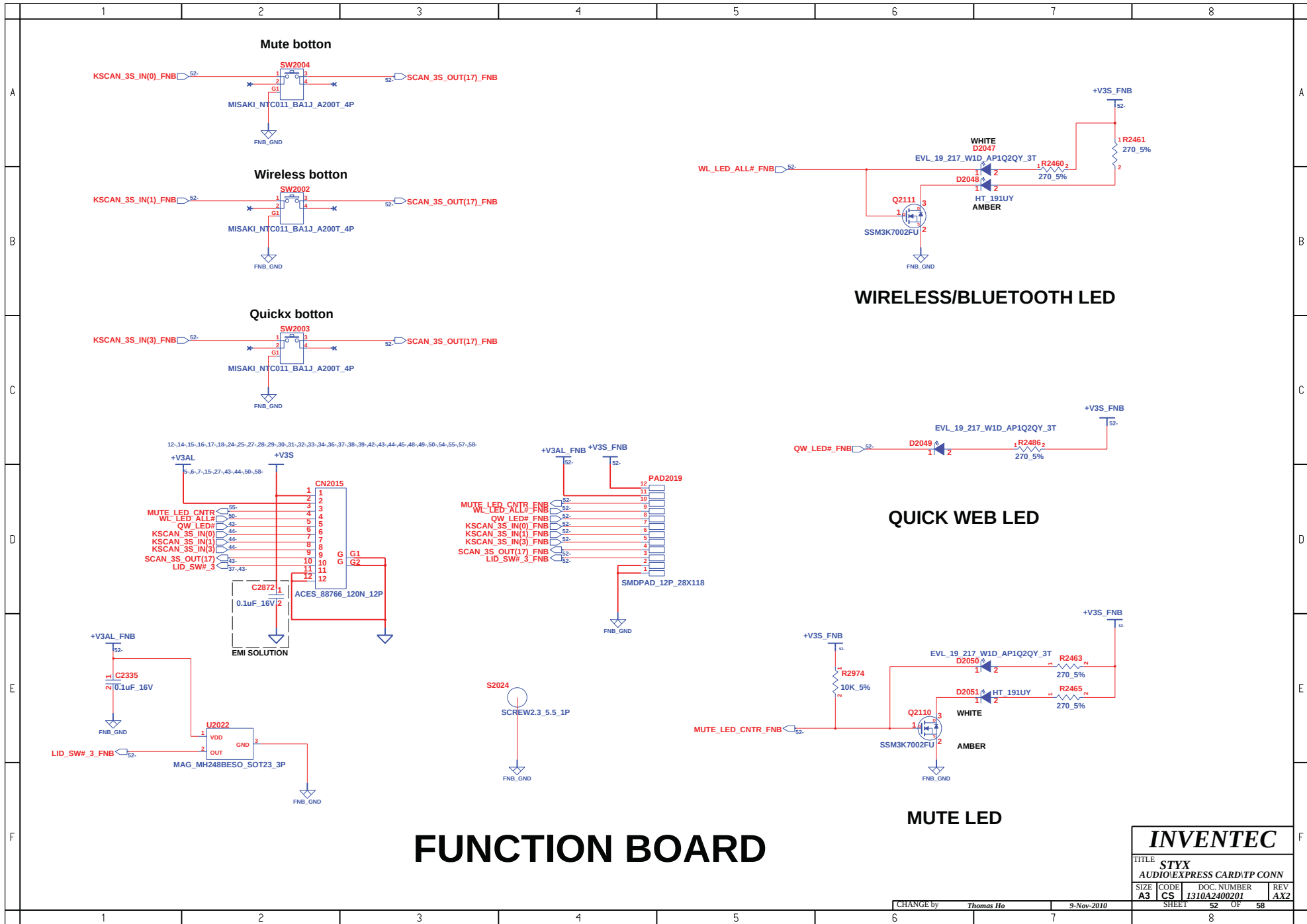
A3 CS 1310A2400201 AX2

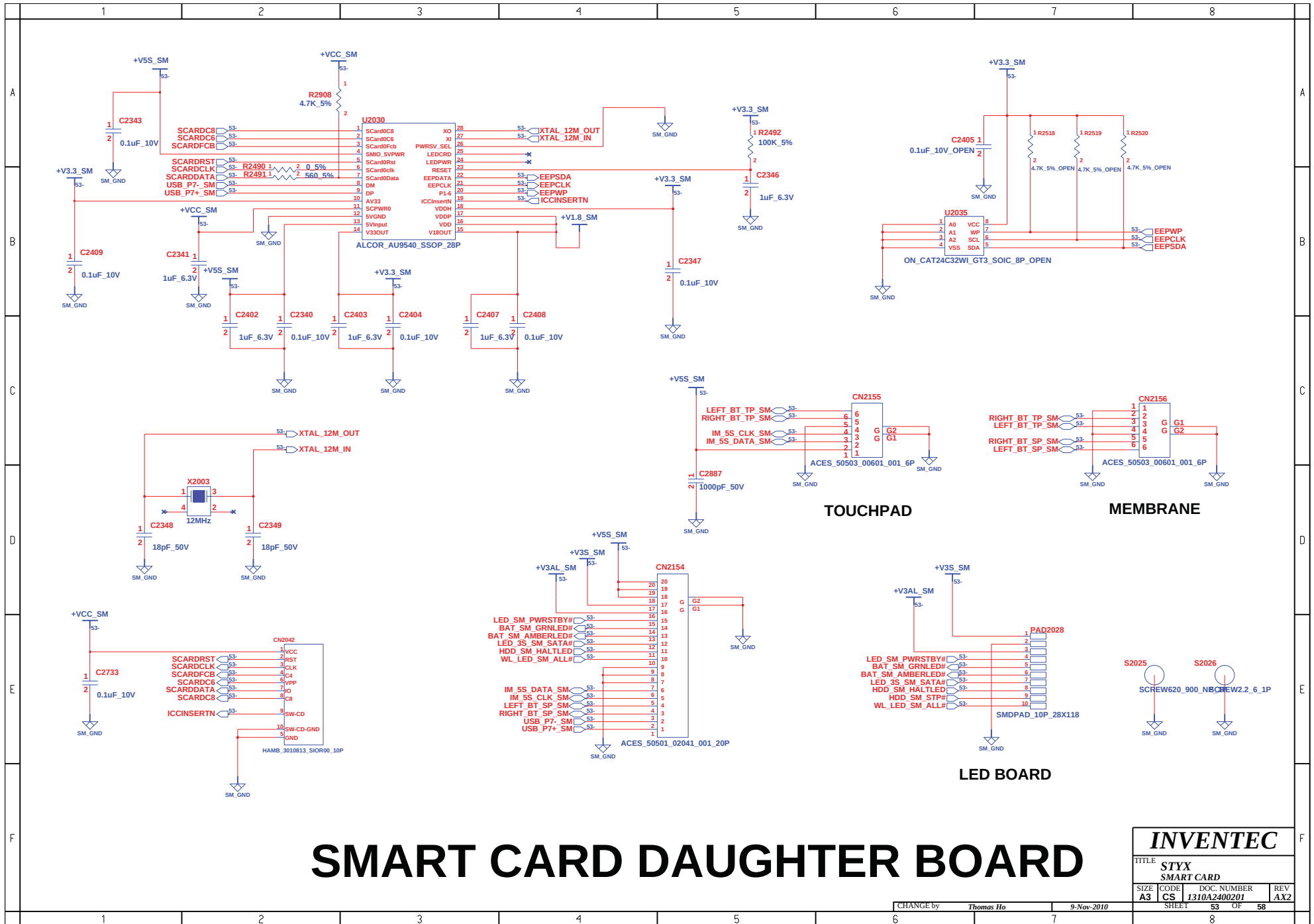
CHANGE by Thomas Ho 9-Nov-2010

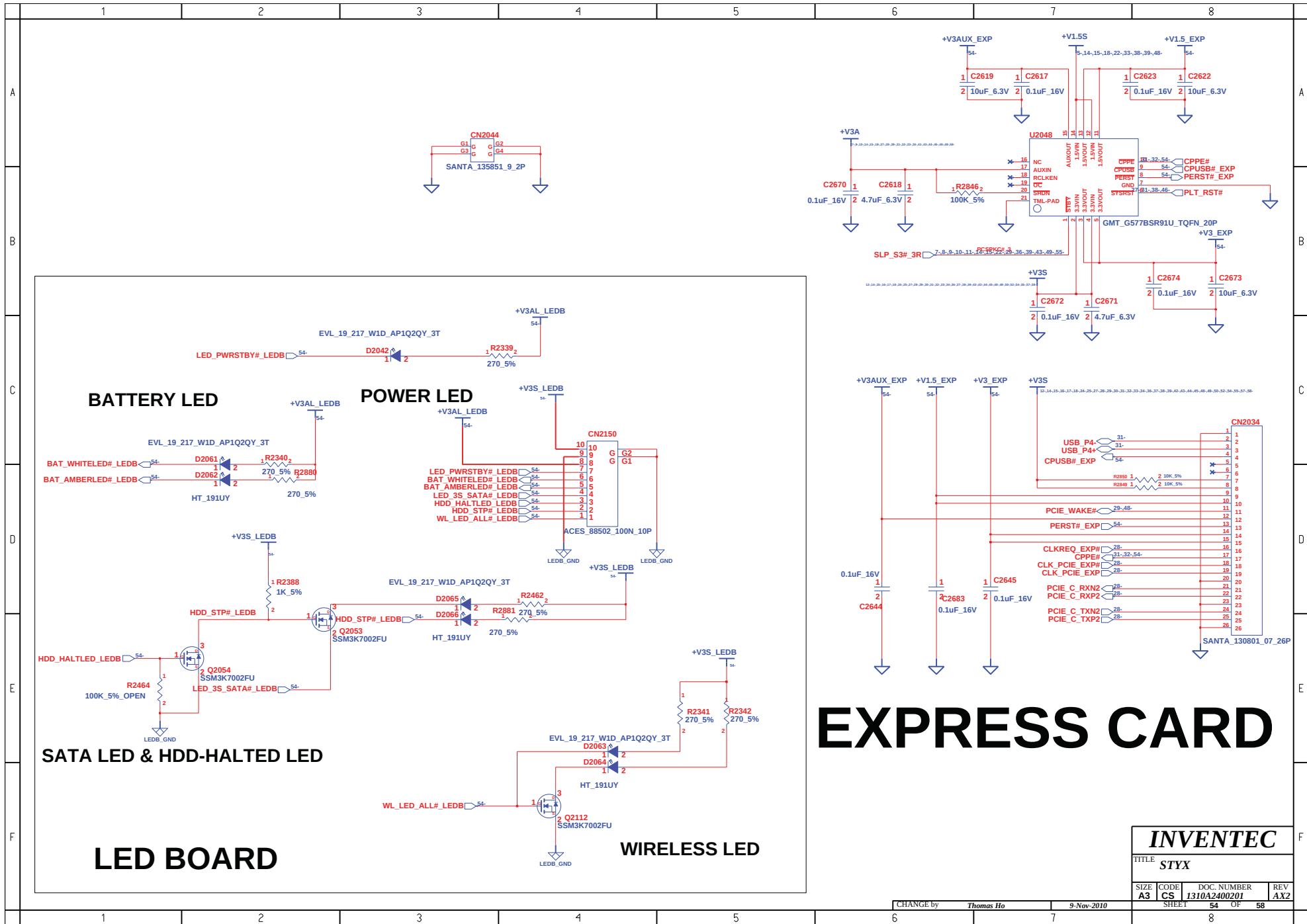
SHEET 50 OF 58

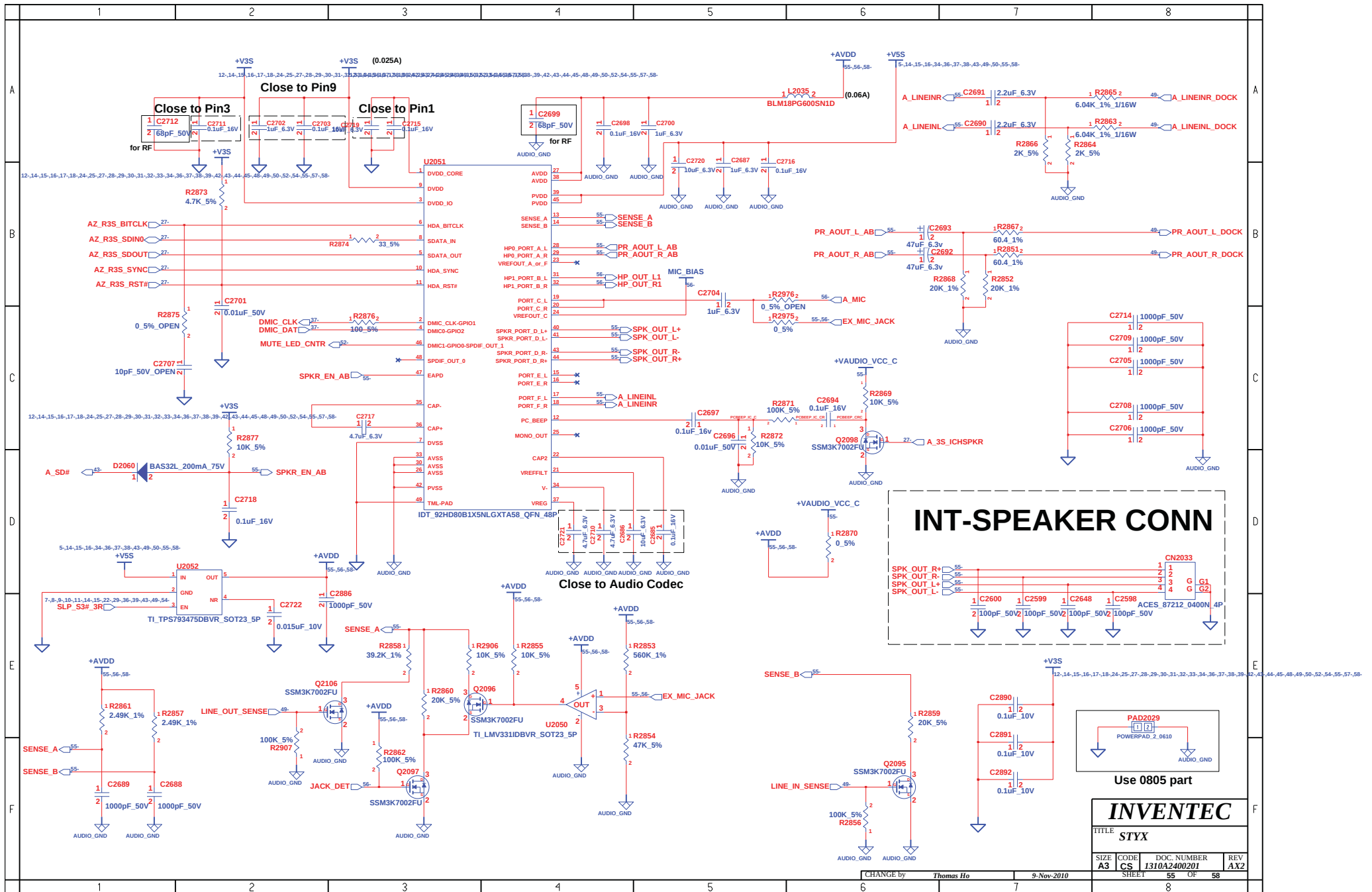
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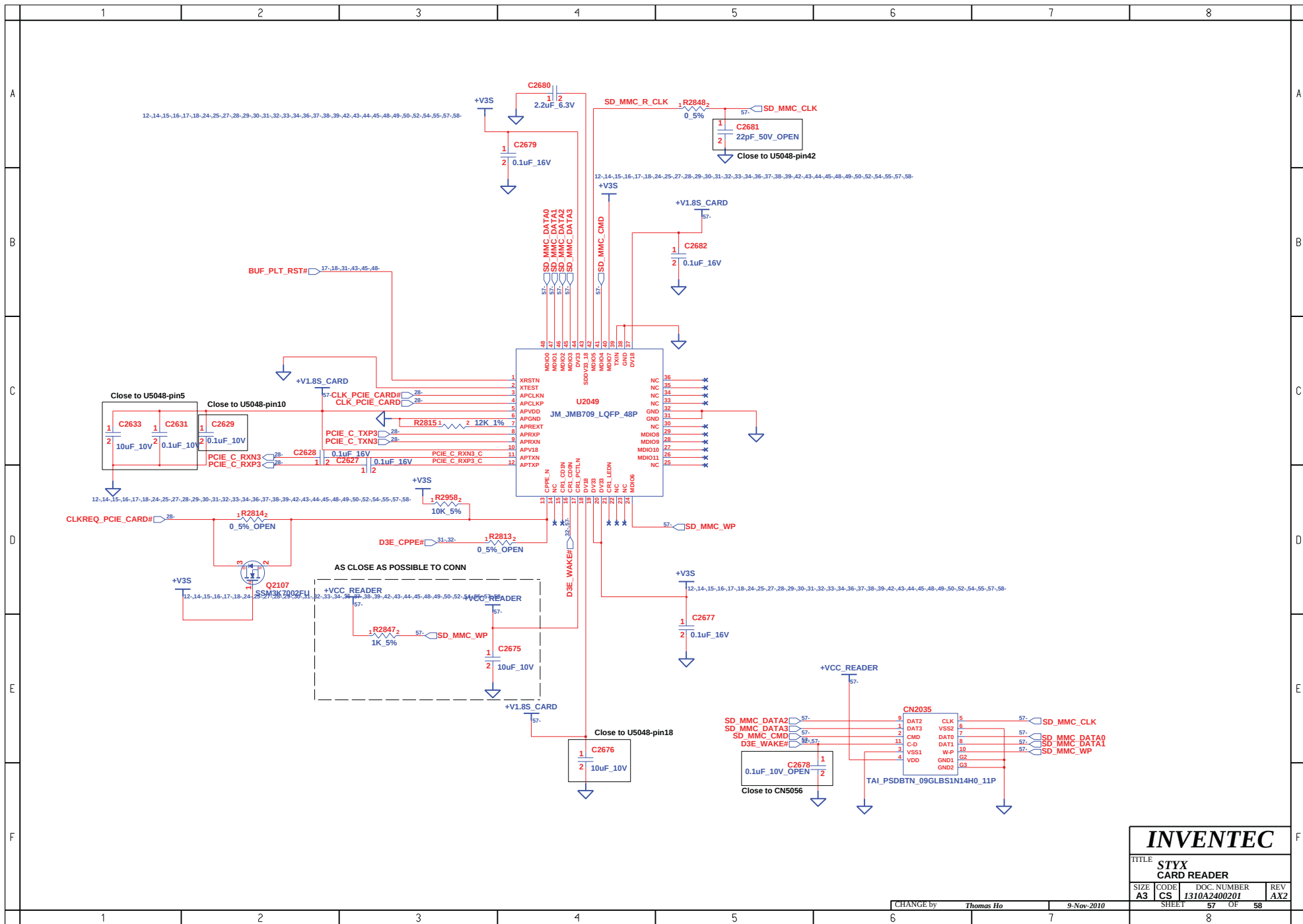












INVENTEC

TITLE
**STYX
CARD READER**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2400201	AX2

CHANGE by *Thomas Ho* 9-Nov-2010

SHEET 57 OF 58

