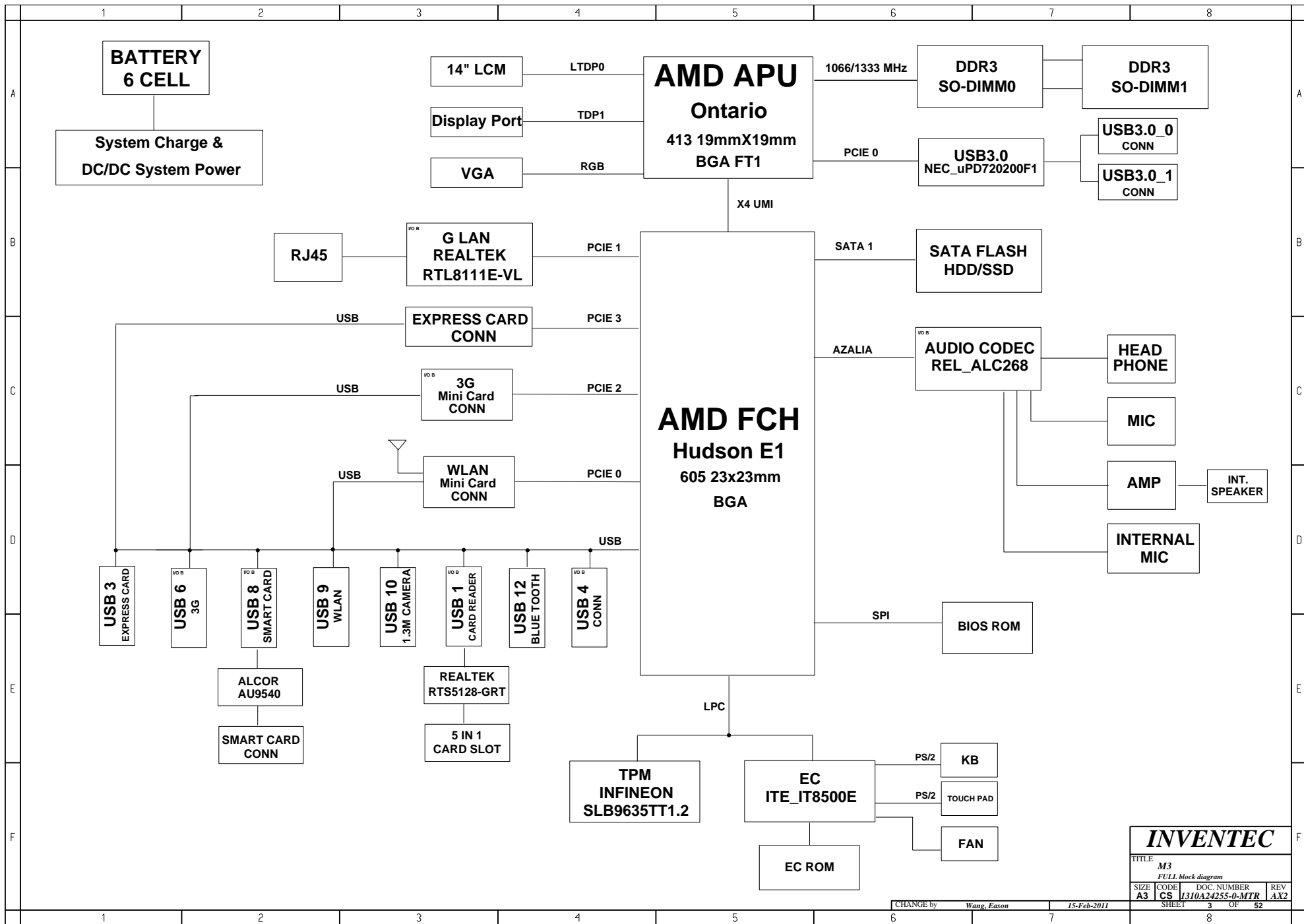


[illegible]

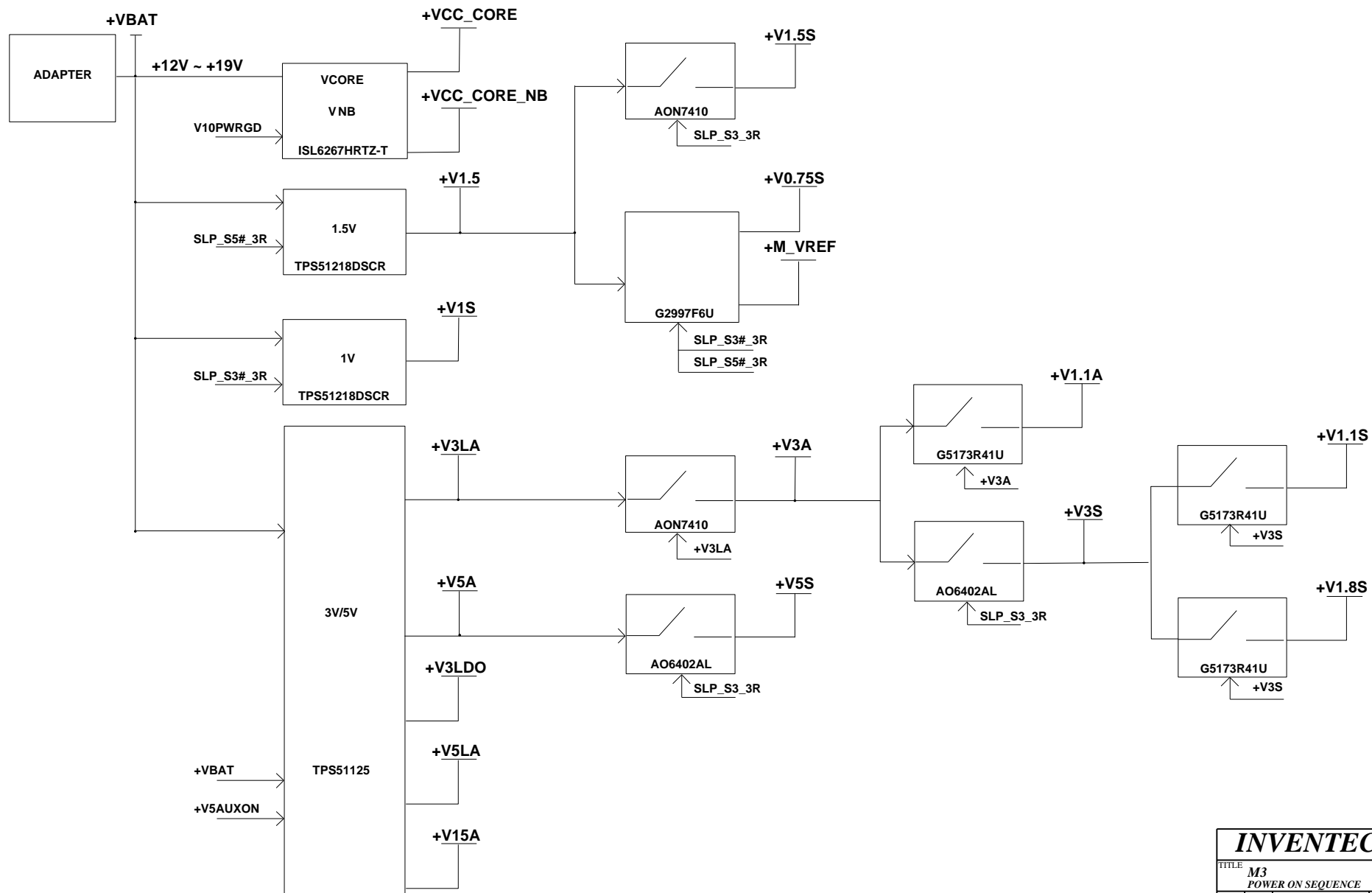


INVENTEC

TITLE			
M3			
FULL block diagram			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A24255-0-MTR	AX2
SHEET		3	OF 52

CHANGE by Wang, Eason 15-Feb-2011

Power Block Diagram



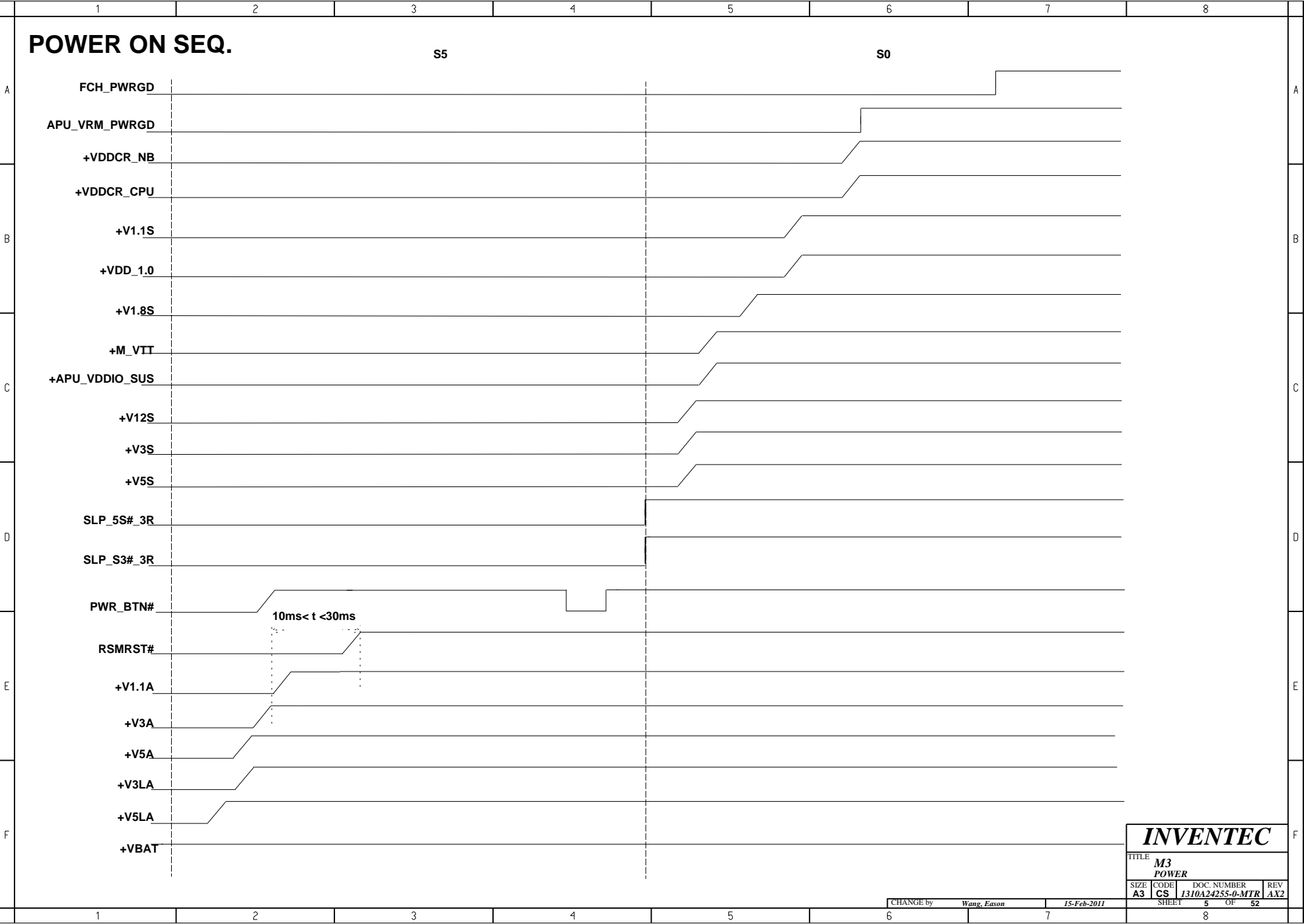
INVENTEC

TITLE	<i>M3</i> <i>POWER ON SEQUENCE</i>
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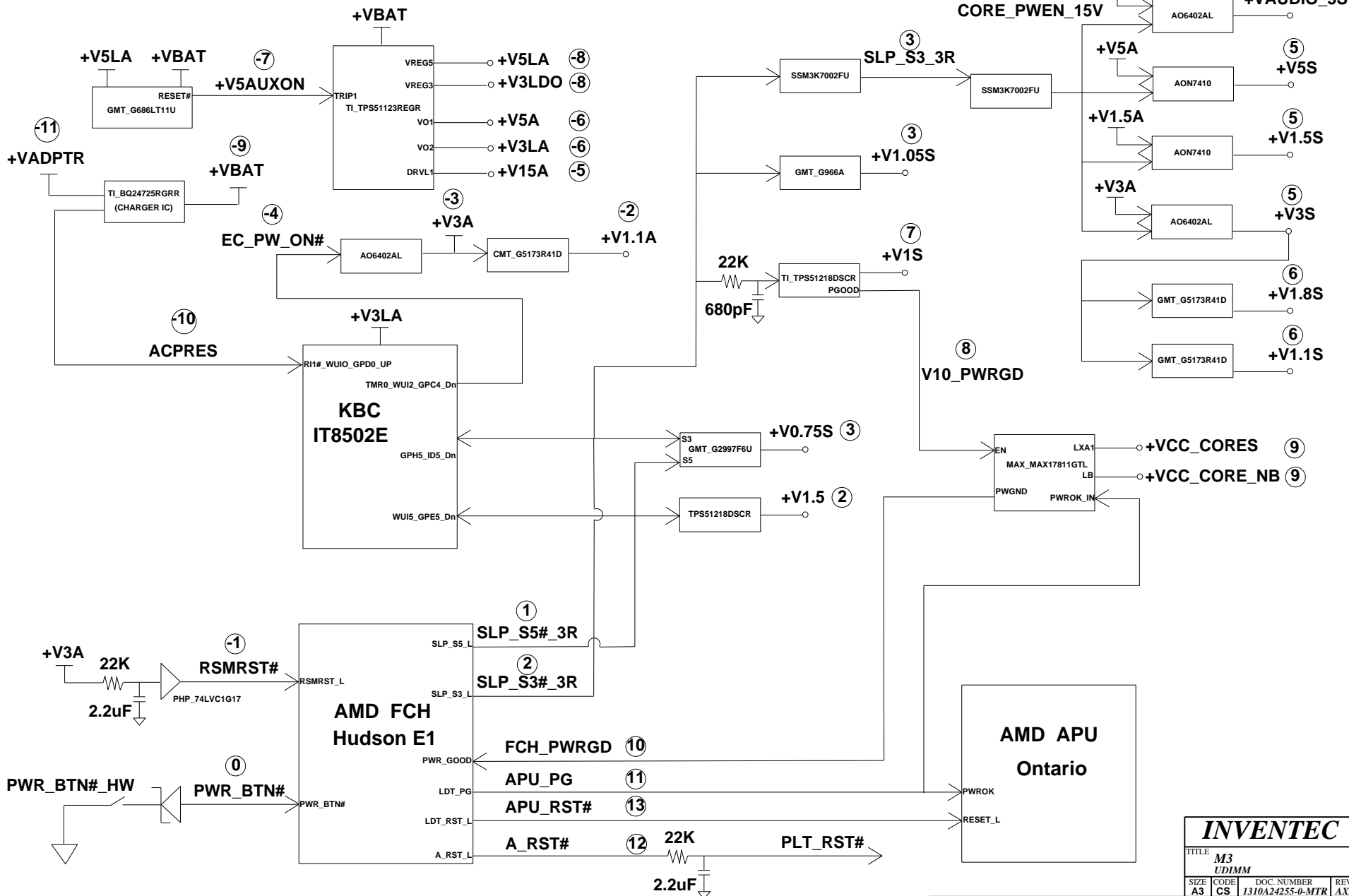
SIZE A3	CODE CS	DOC. NUMBER 1310A24255-0-MTR	REV AX2
SHEET 4 OF 52			

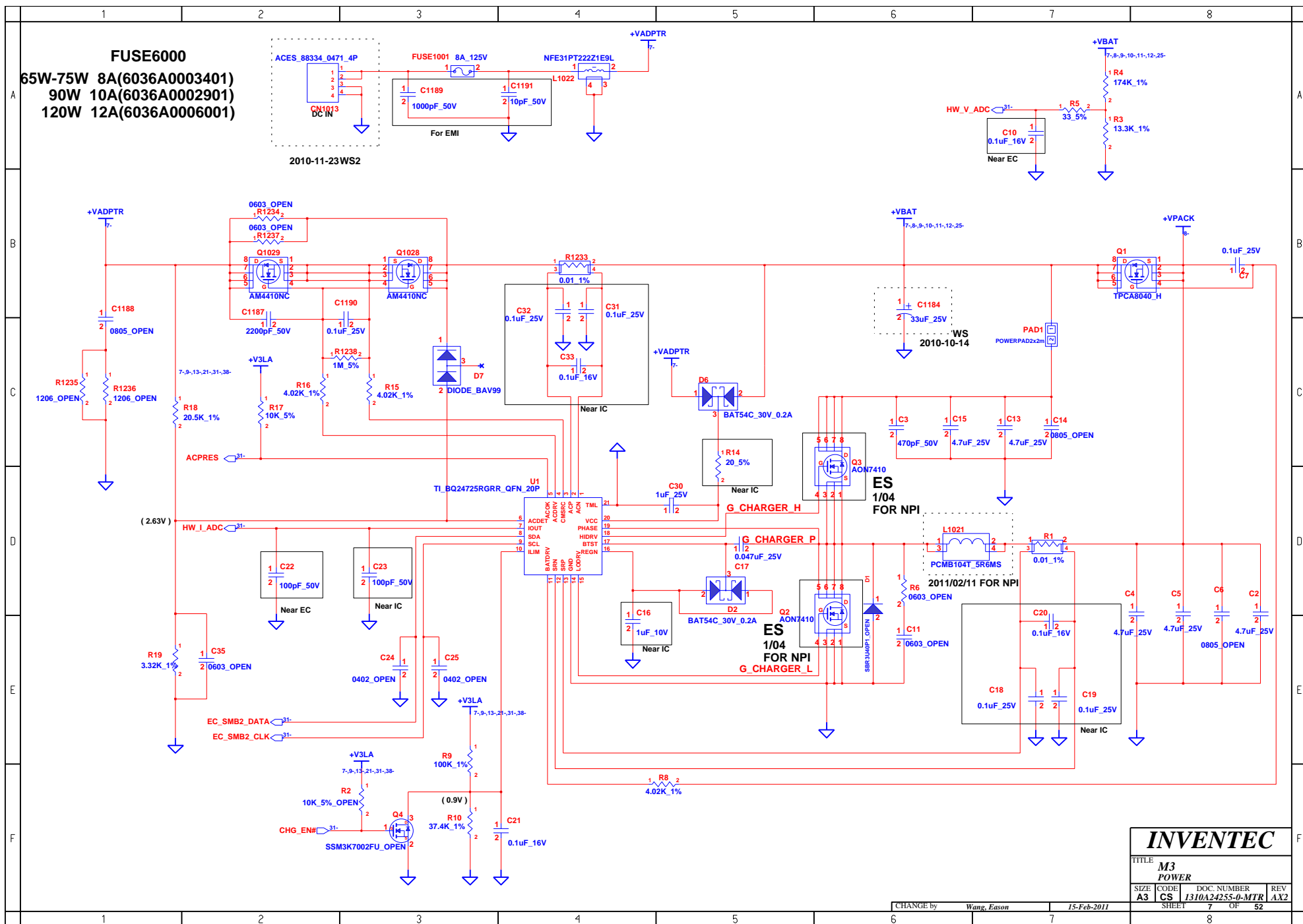
CHANGE by	<i>Wang, Eason</i>	<i>15-Feb-2011</i>
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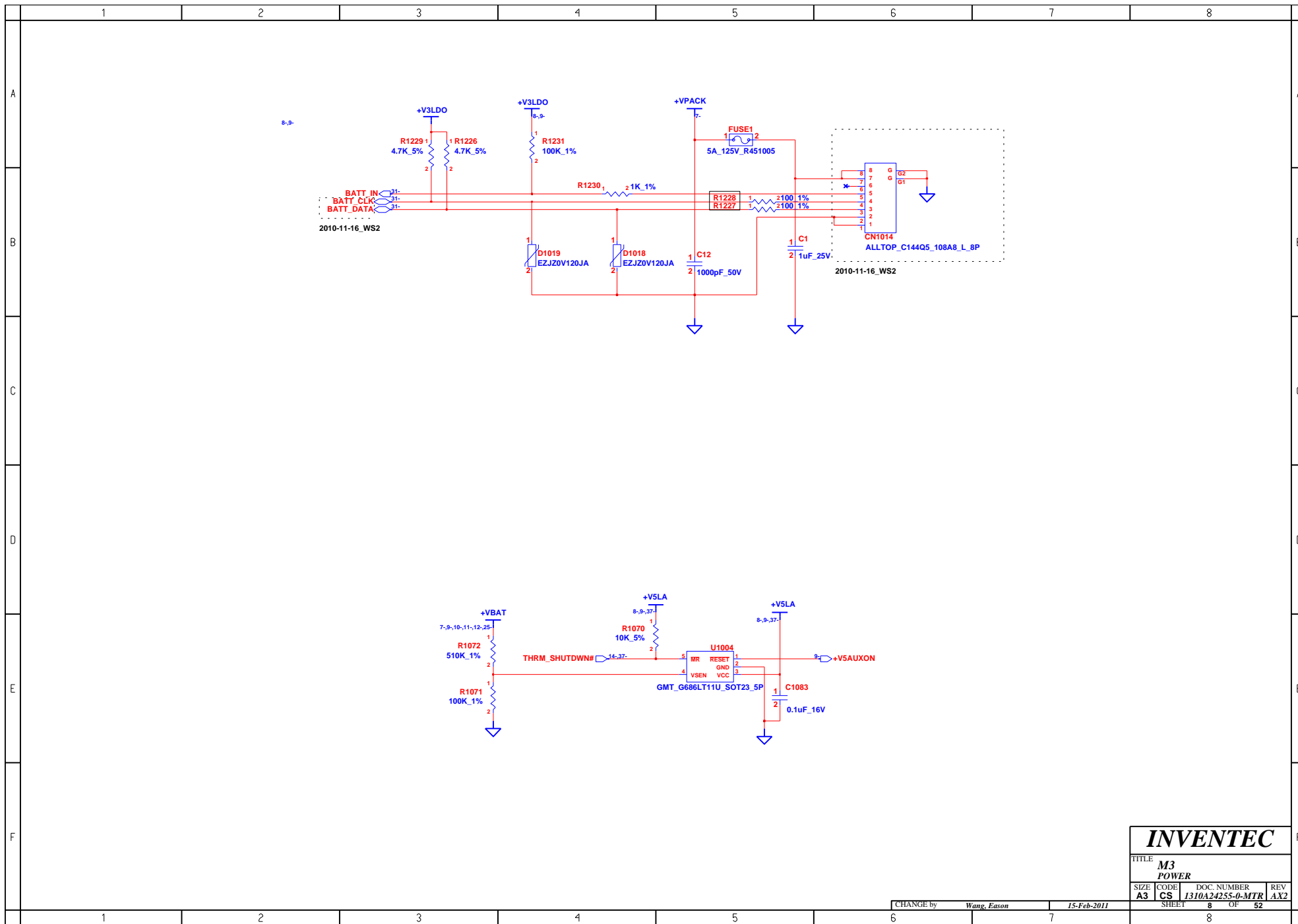
8



POWER SEQUENCE







INVENTEC

TITLE			
M3			
POWER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24255-0-MTR	AX2
SHEET		8	OF 52

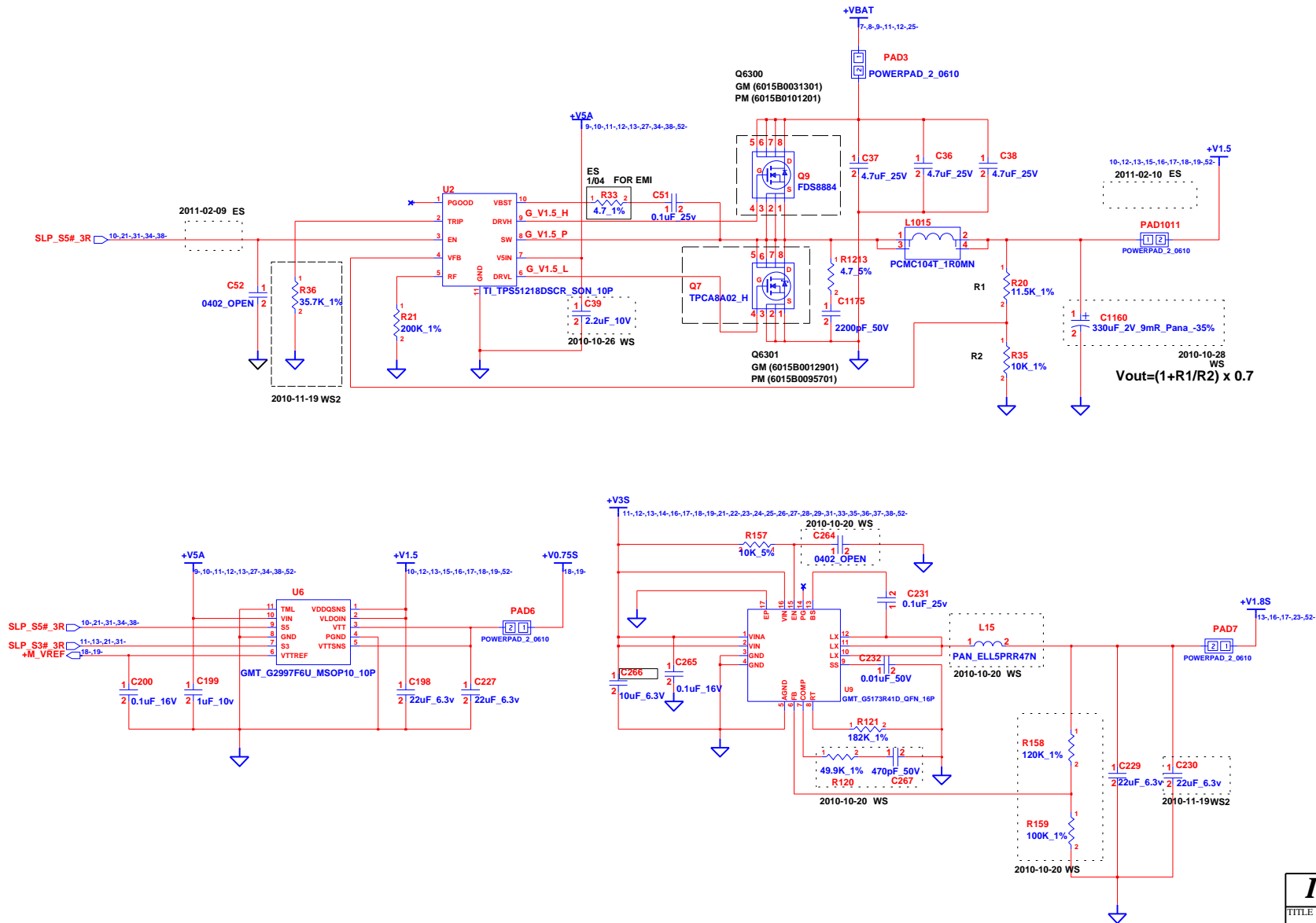
CHANGE by Wang, Eason 15-Feb-2011

[illegible]

INVENTEC			
TITLE M3 POWER			
SIZE A3	CODE CS	DOC. NUMBER 1310A24255-0-MTR	R A
SHEET 9		OF 52	

CHANGE by	Wang, Eason	15-Feb-2011
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+V1.8S +V0.75S +V1.5

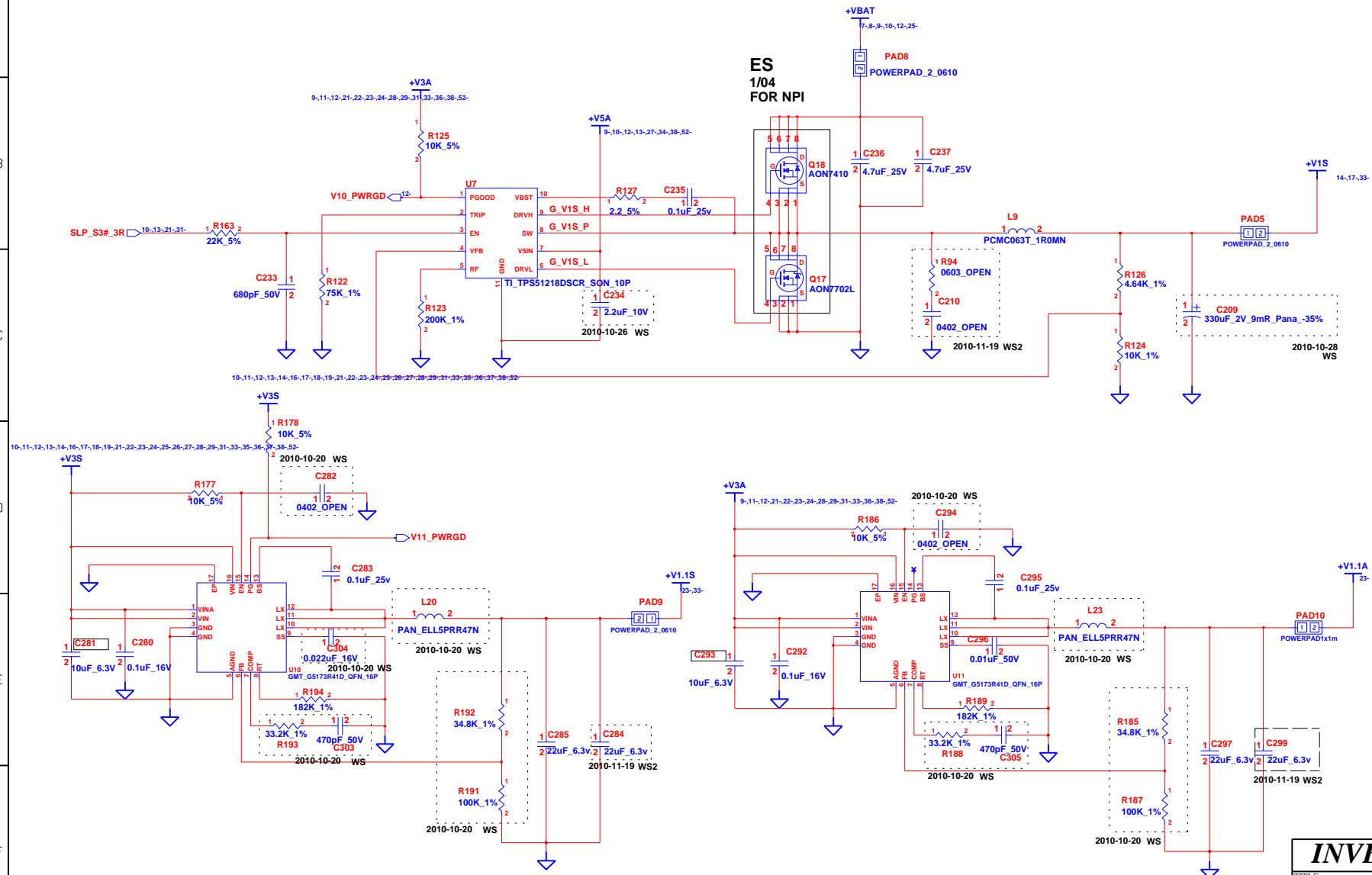


INVENTEC

TITLE			
M3 POWER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A24255-0-MTR	AX2
SHEET		10	OF 52

CHANGE by Wang, Eason 15-Feb-2011

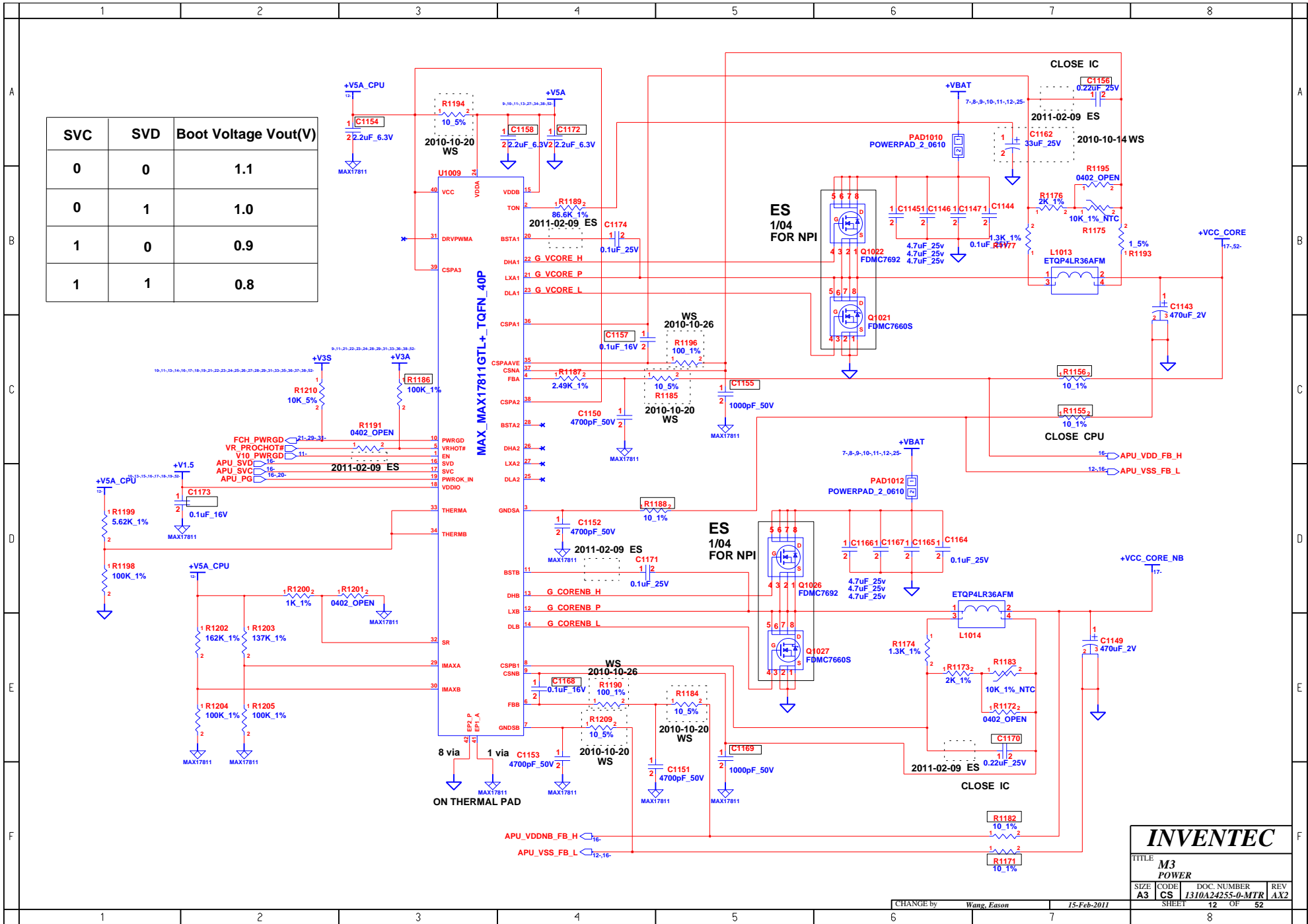
+V1.1A +V1S +V1.1S



INVENTEC

TITLE			
M3			
POWER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24255-0-MTR	AX2
SHEET		11	OF 52

CHANGE by Wang, Eason 15-Feb-2011



A

B

C

D

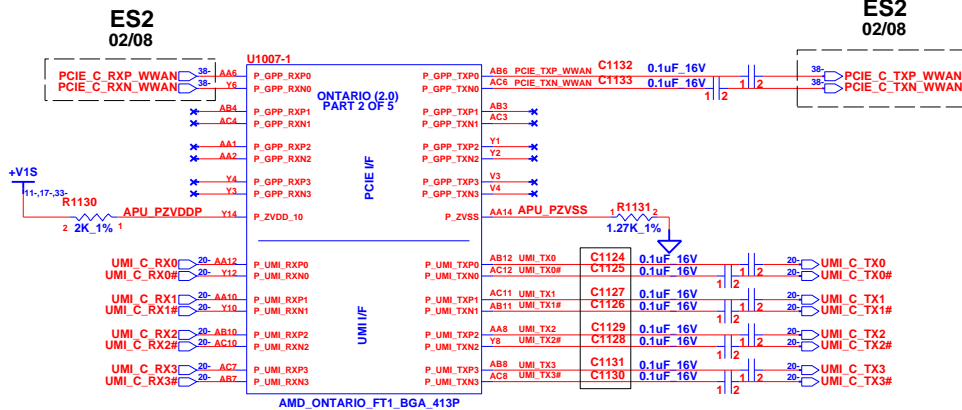
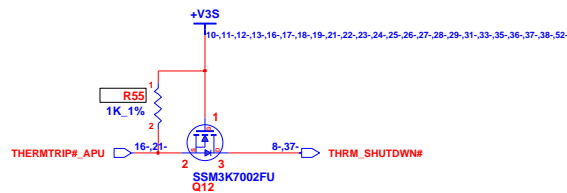
E

F

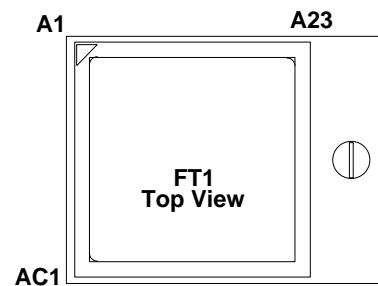


F

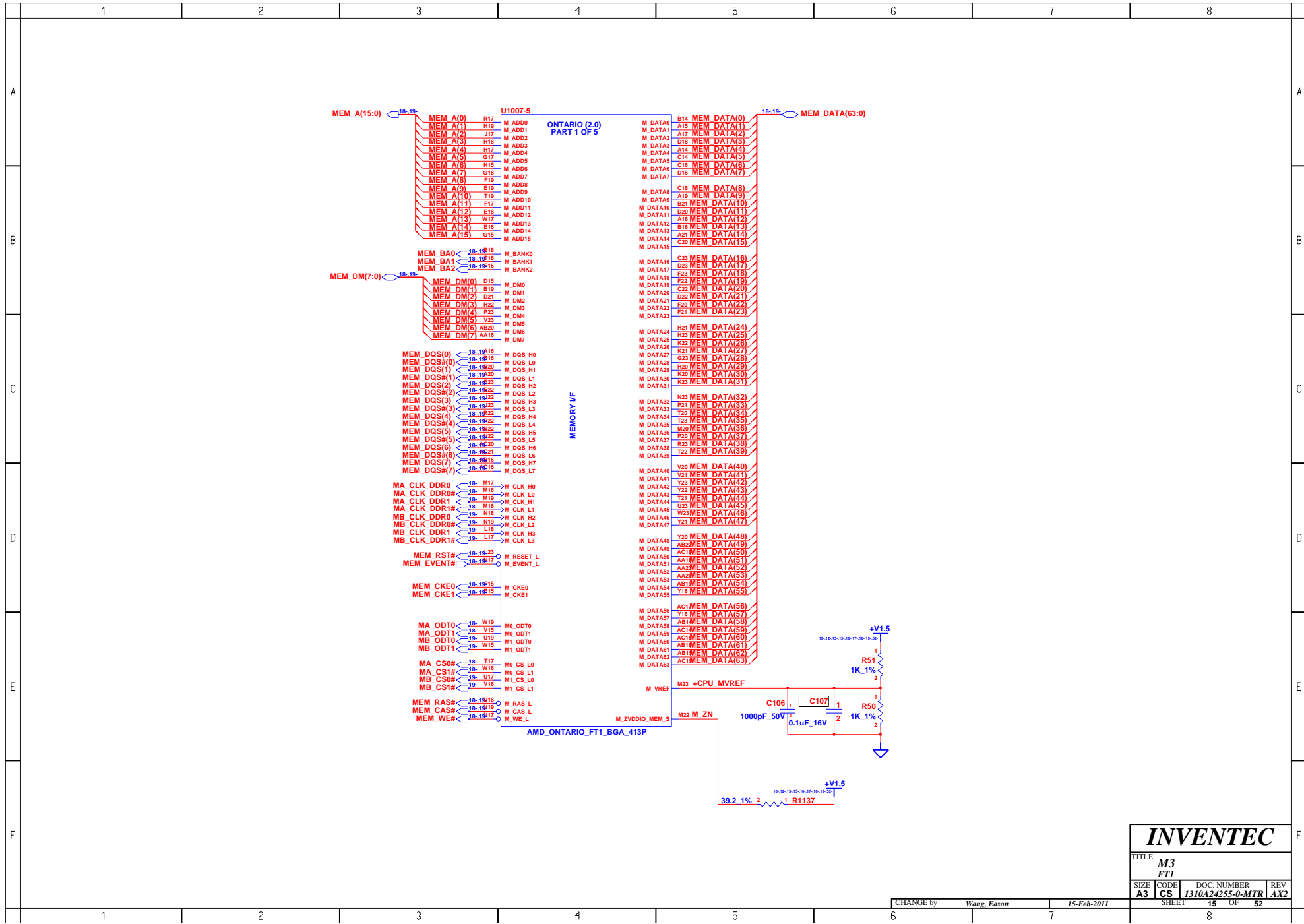
CHANGE by	Wang, Eason	15-Feb-2011
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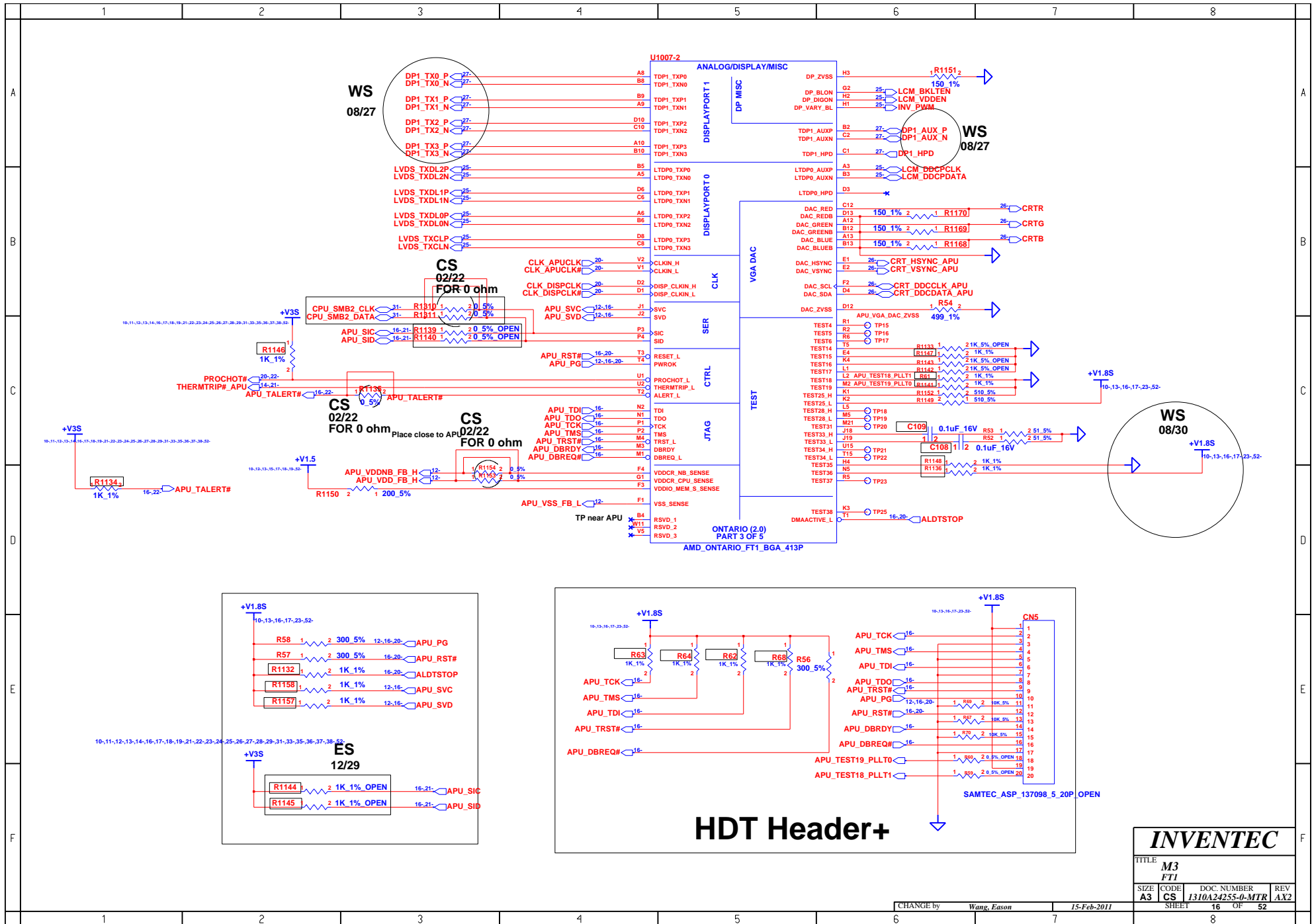
Layout: Add stitching caps if crossing plane split.

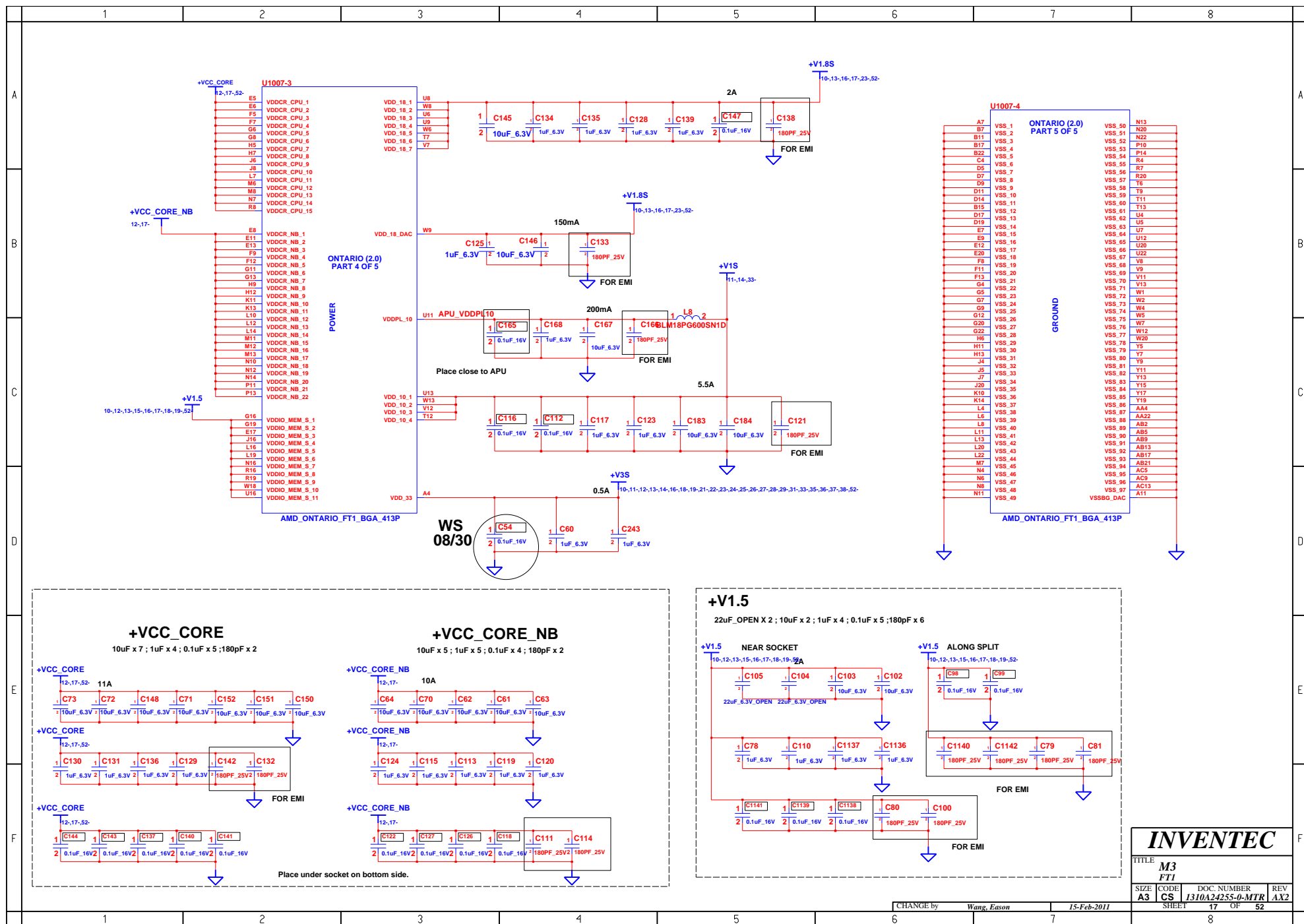


INVENTEC			
TITLE			
M3			
FT1			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24255-0-MTR	AX2
CHANGE by		15-Feb-2011	
Wang, Eason			
SHEET		14	OF 52

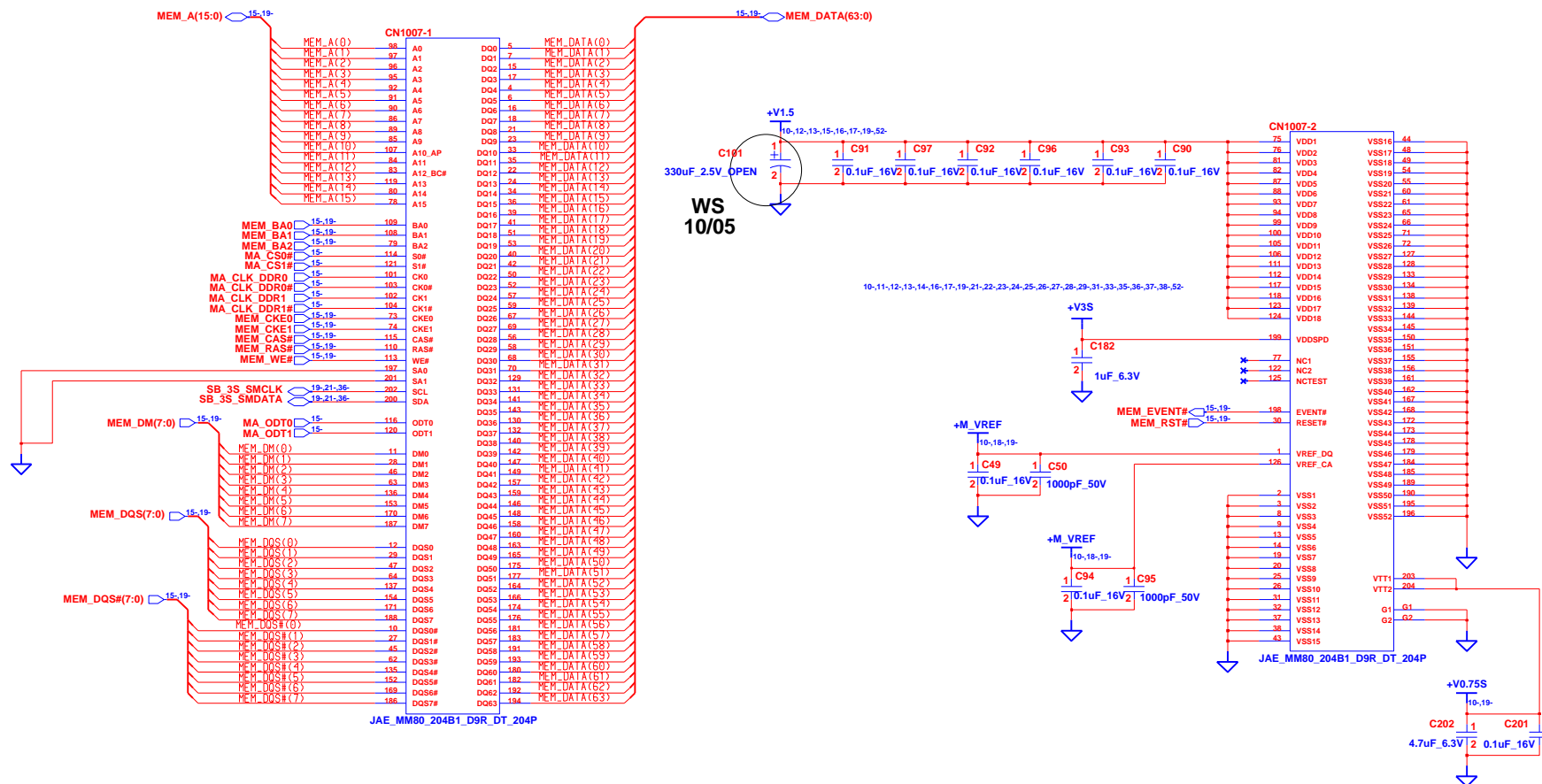


INVENTEC			
TITLE			
M3			
FT1			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24255-0-MTR	AX2
CHANGE by		Wang, Eason	15-Feb-2011
SHEET		15	OF 52





DDR3



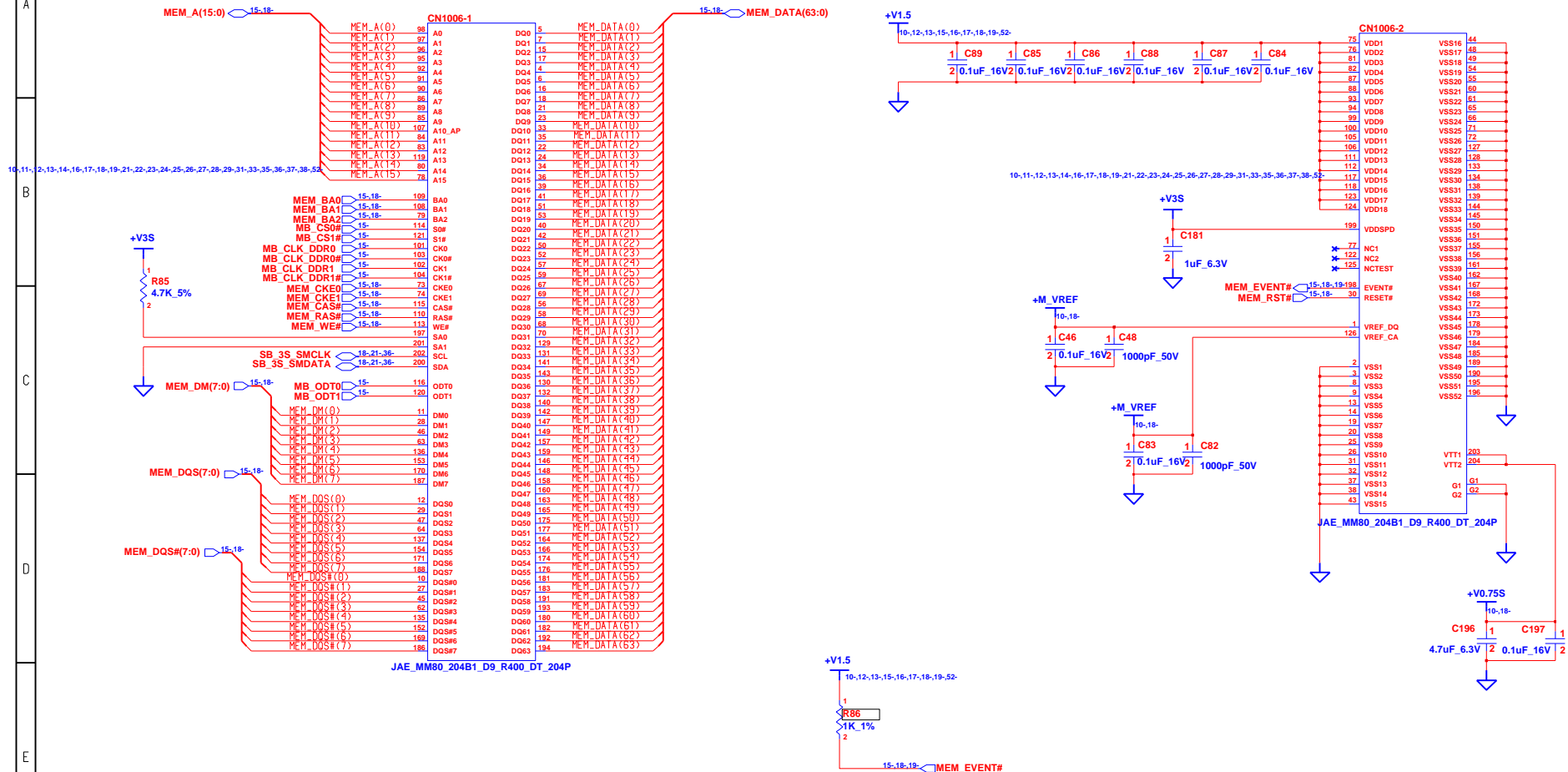
SO DIMM0
SLOT A(REVERSE)

INVENTEC

TITLE			
M3			
DDR3-1			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24255-0-MTR	AX2
SHEET		18	OF 52

CHANGE by Wang, Eason 15-Feb-2011

DDR3

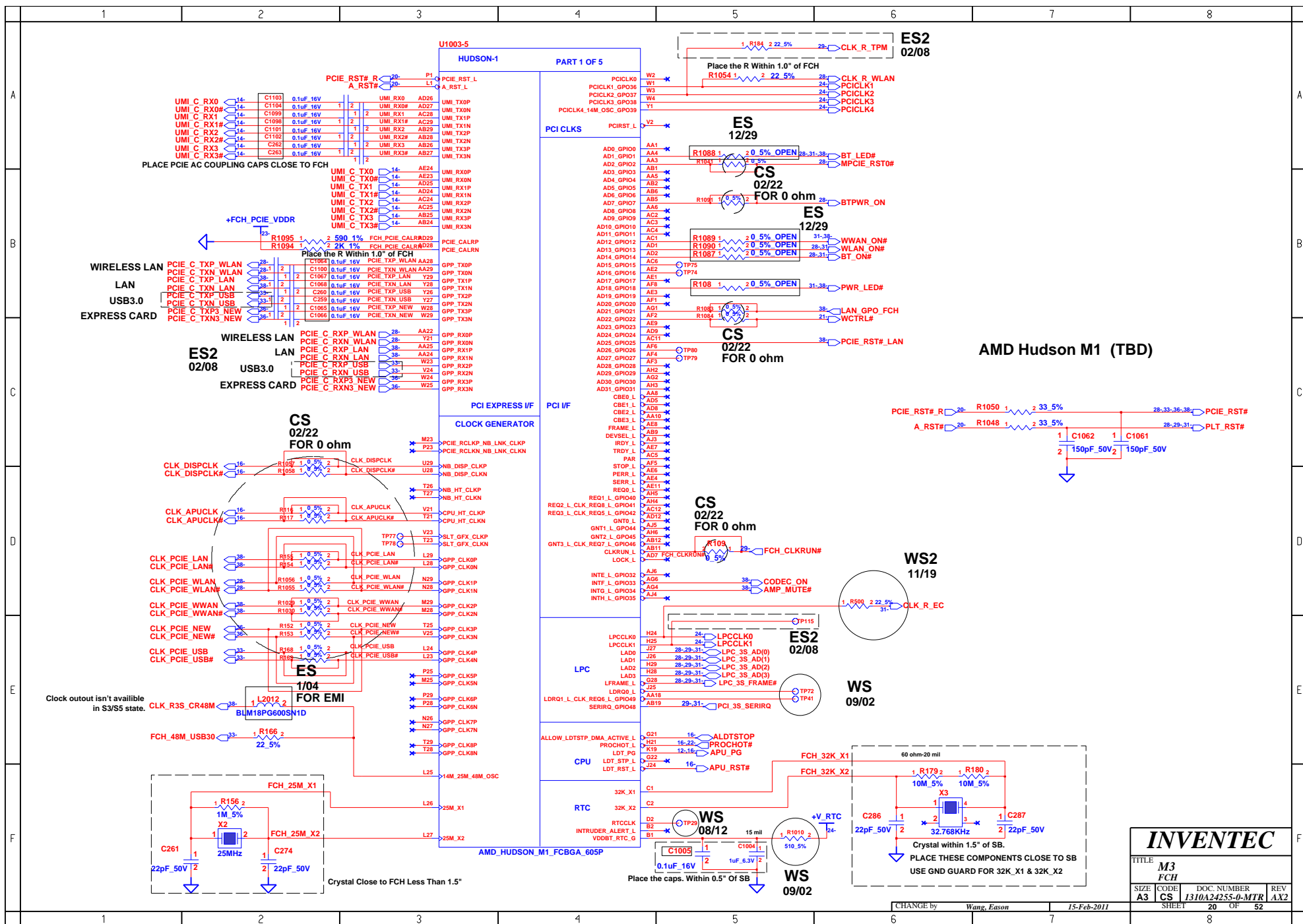


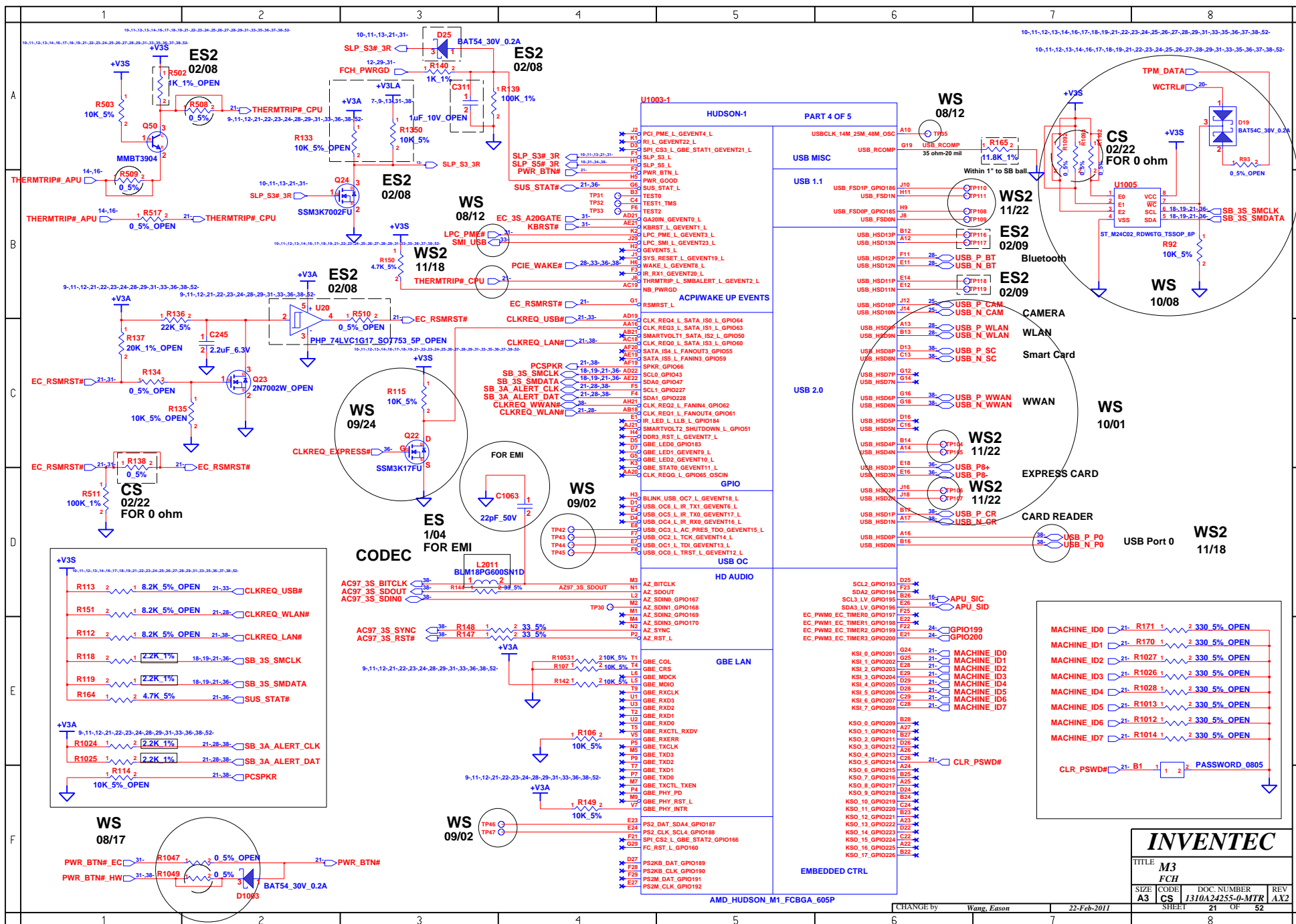
SO DIMM1
SLOT B(STANDARD)

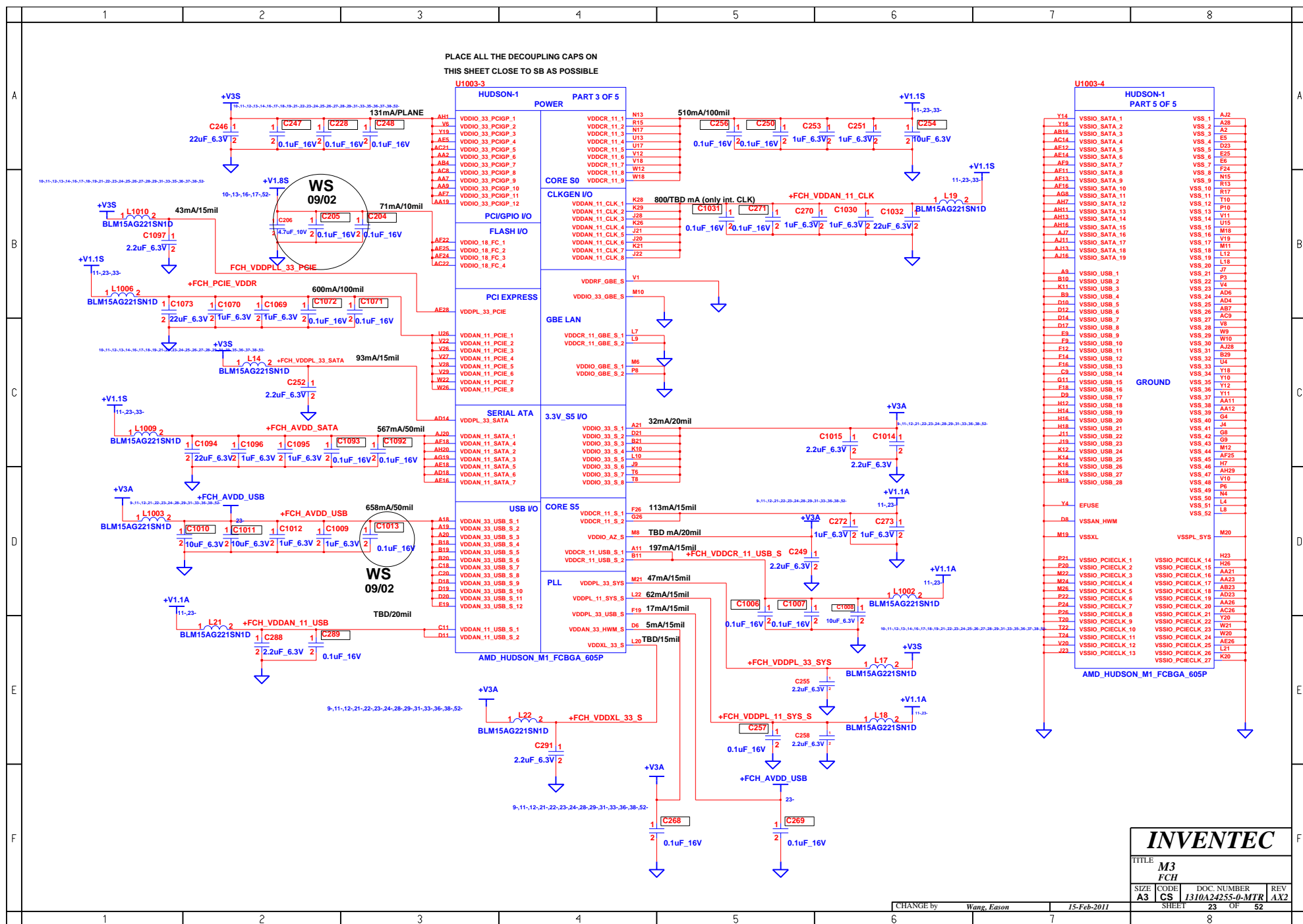
INVENTEC

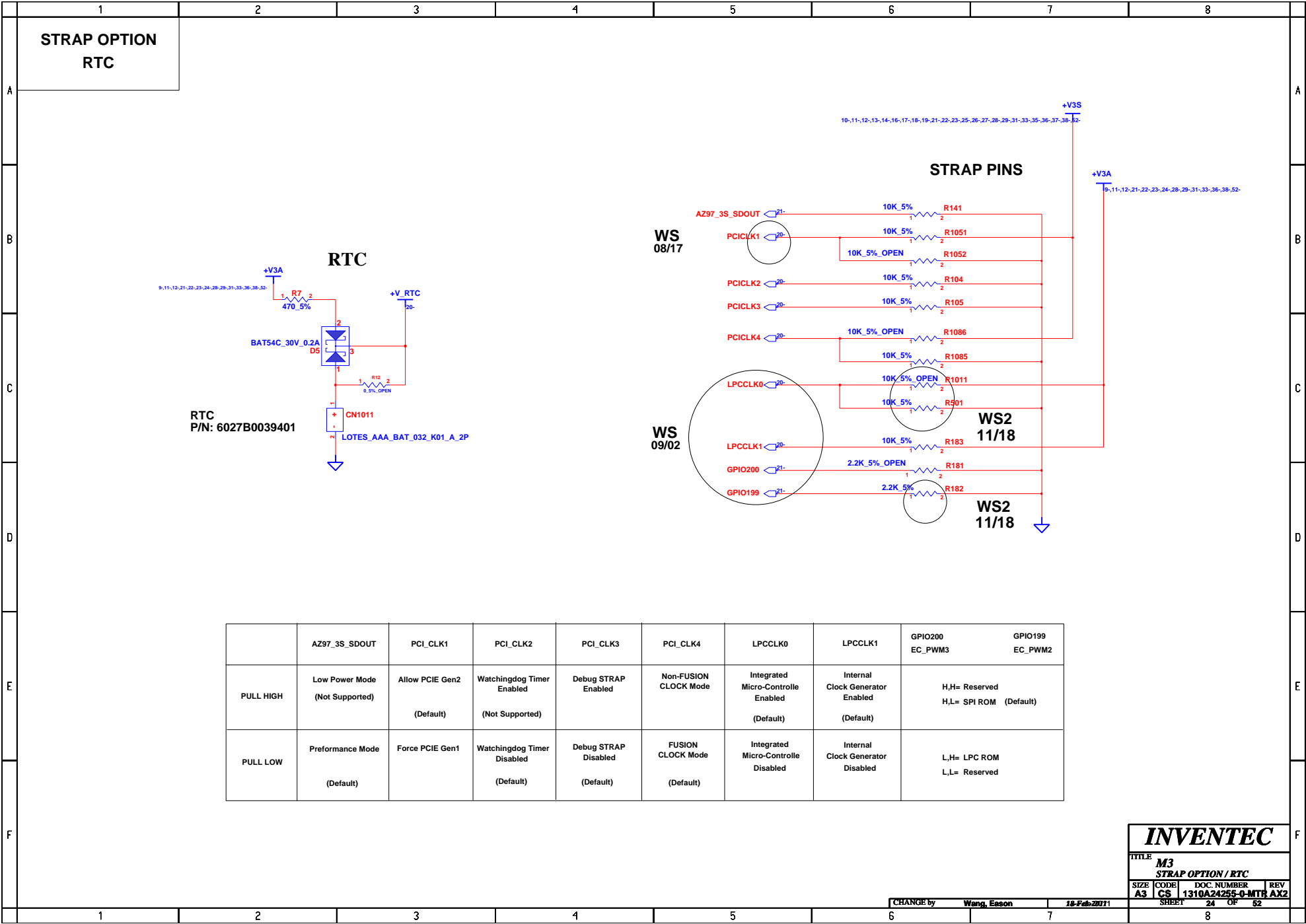
TITLE				
M3				
DDR3-2				
SIZE	CODE	DOC. NUMBER	REV	
A3	CS	J310A24255-0-MTR	AX2	
SHEET		19	OF	52

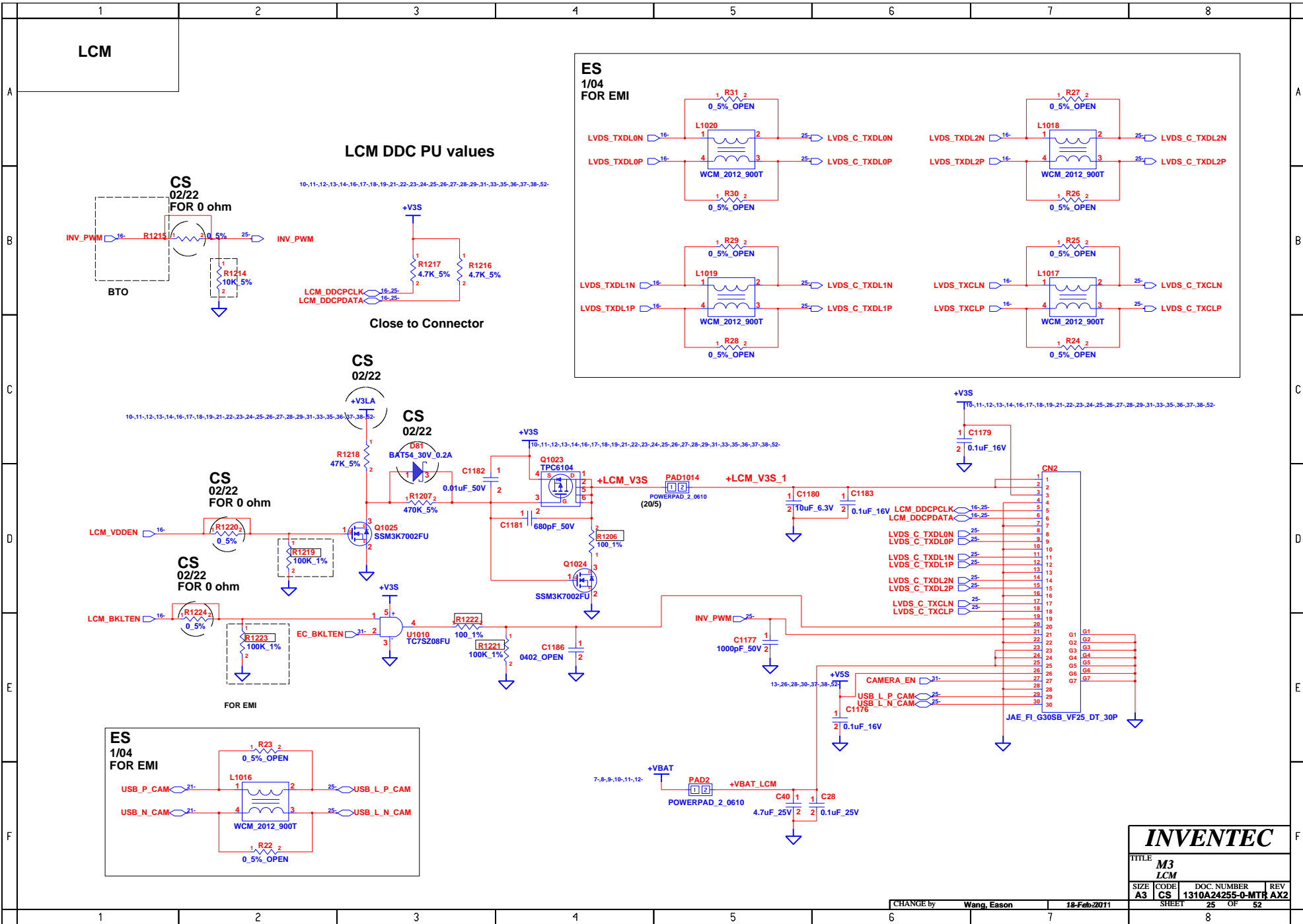
CHANGE by Wang, Eason 15-Feb-2011

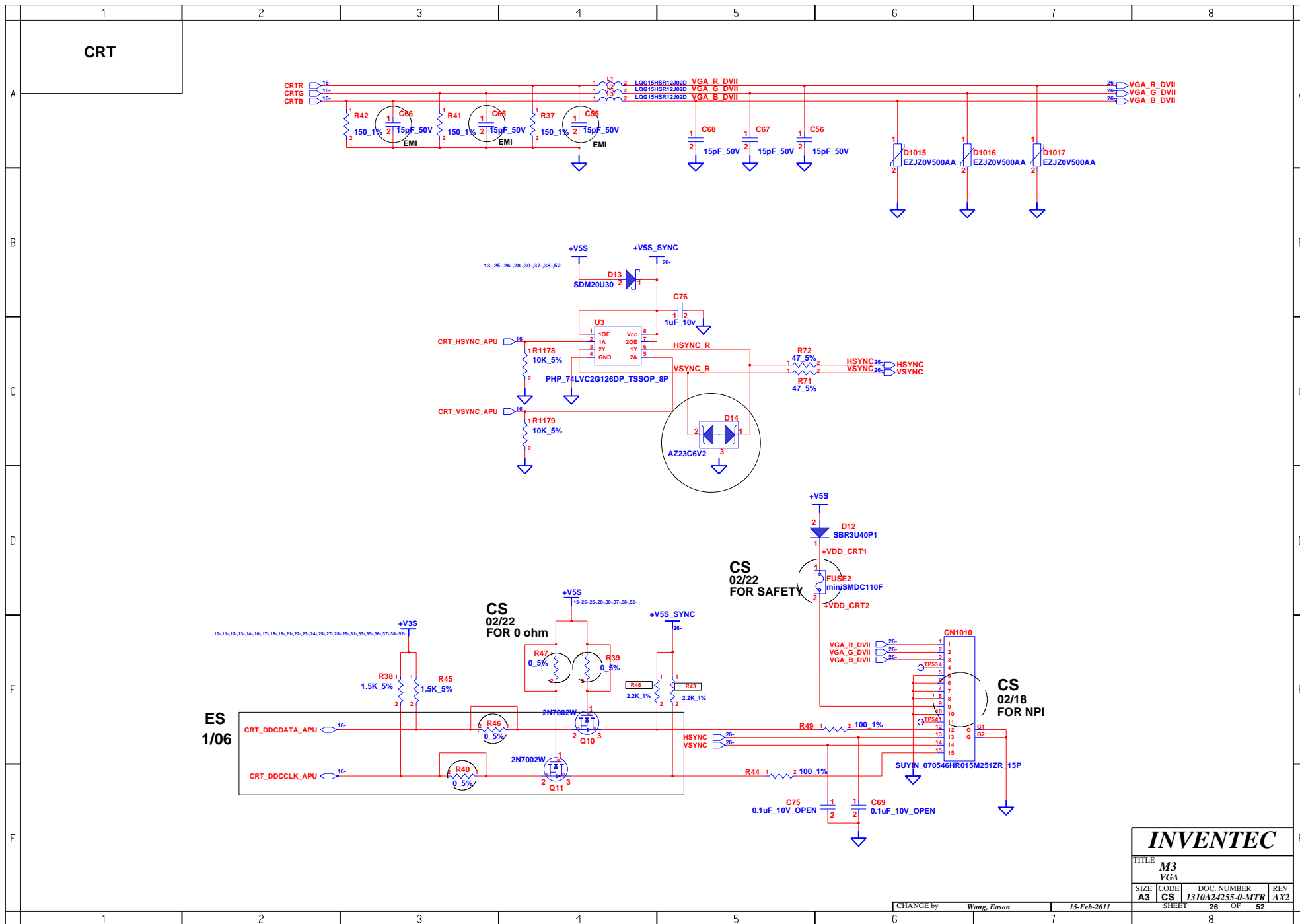


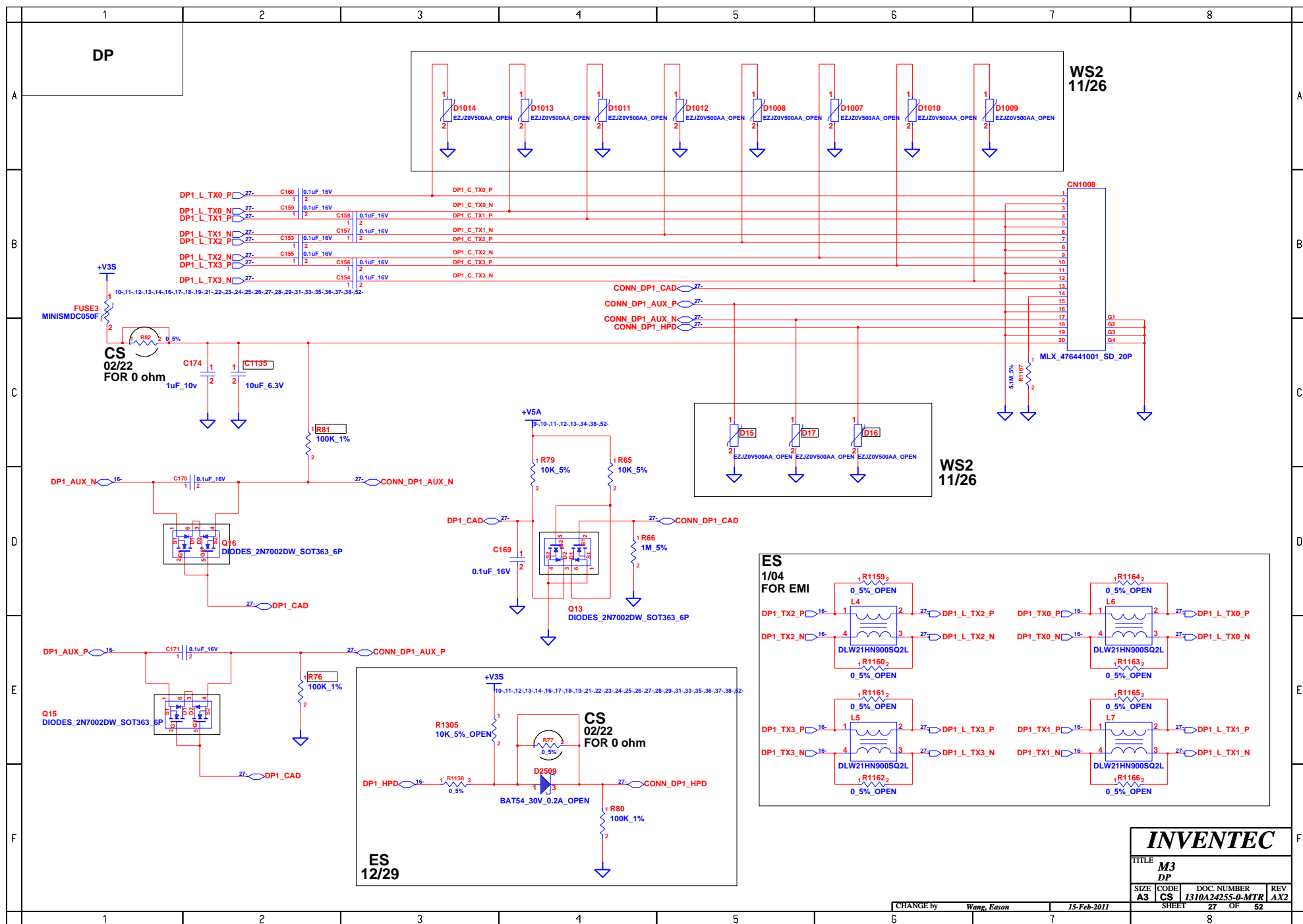




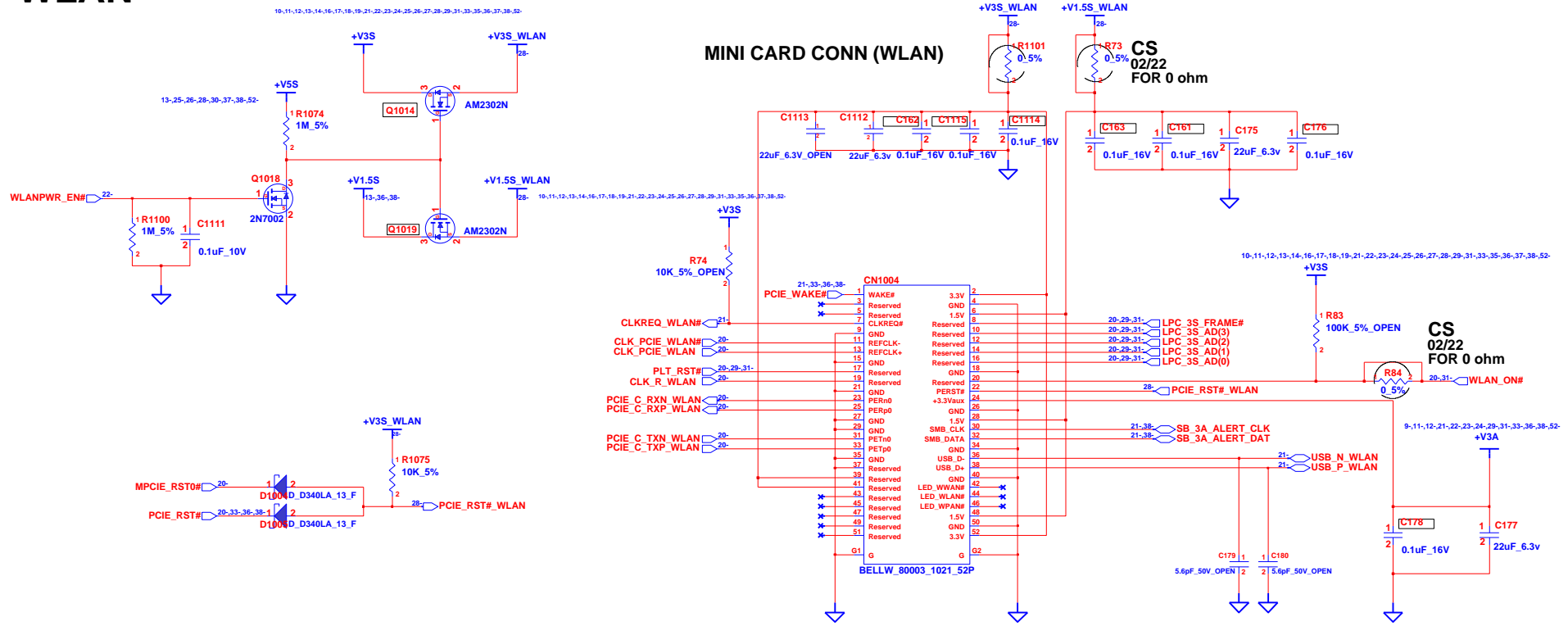




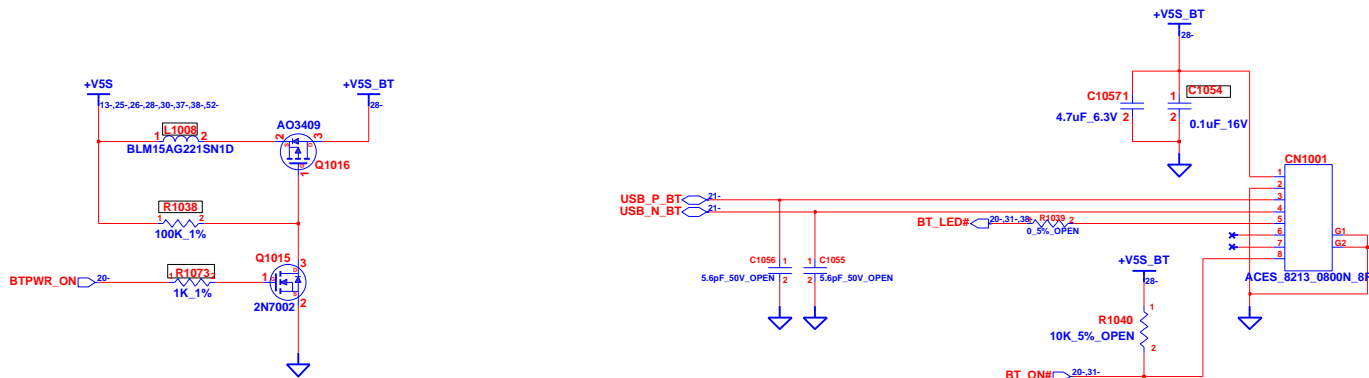




WLAN



BT



INVENTEC

TITLE			
M3			
WLAN/BT			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24255-0-MTR	AX2
SHEET		28	OF 52

CHANGE by Wang, Eason 15-Feb-2011

TPM

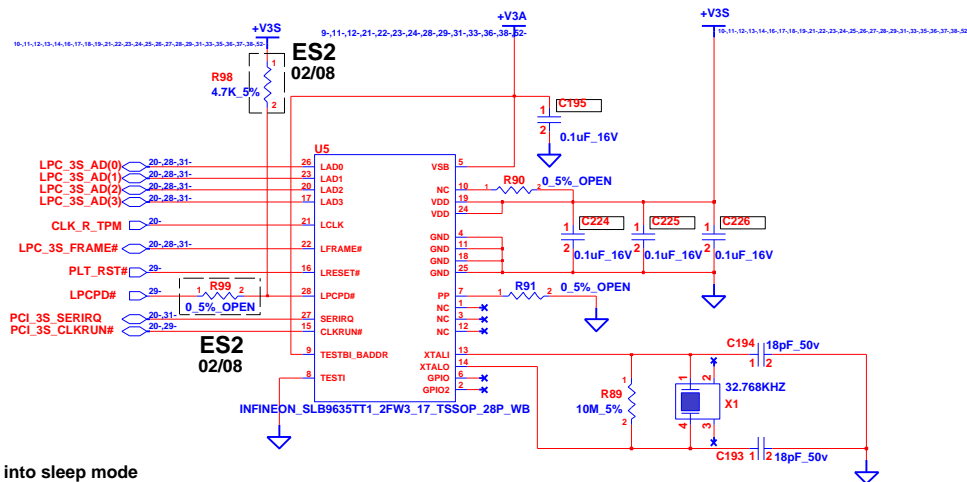
ES2 02/08

CS 02/22 FOR 0 ohm

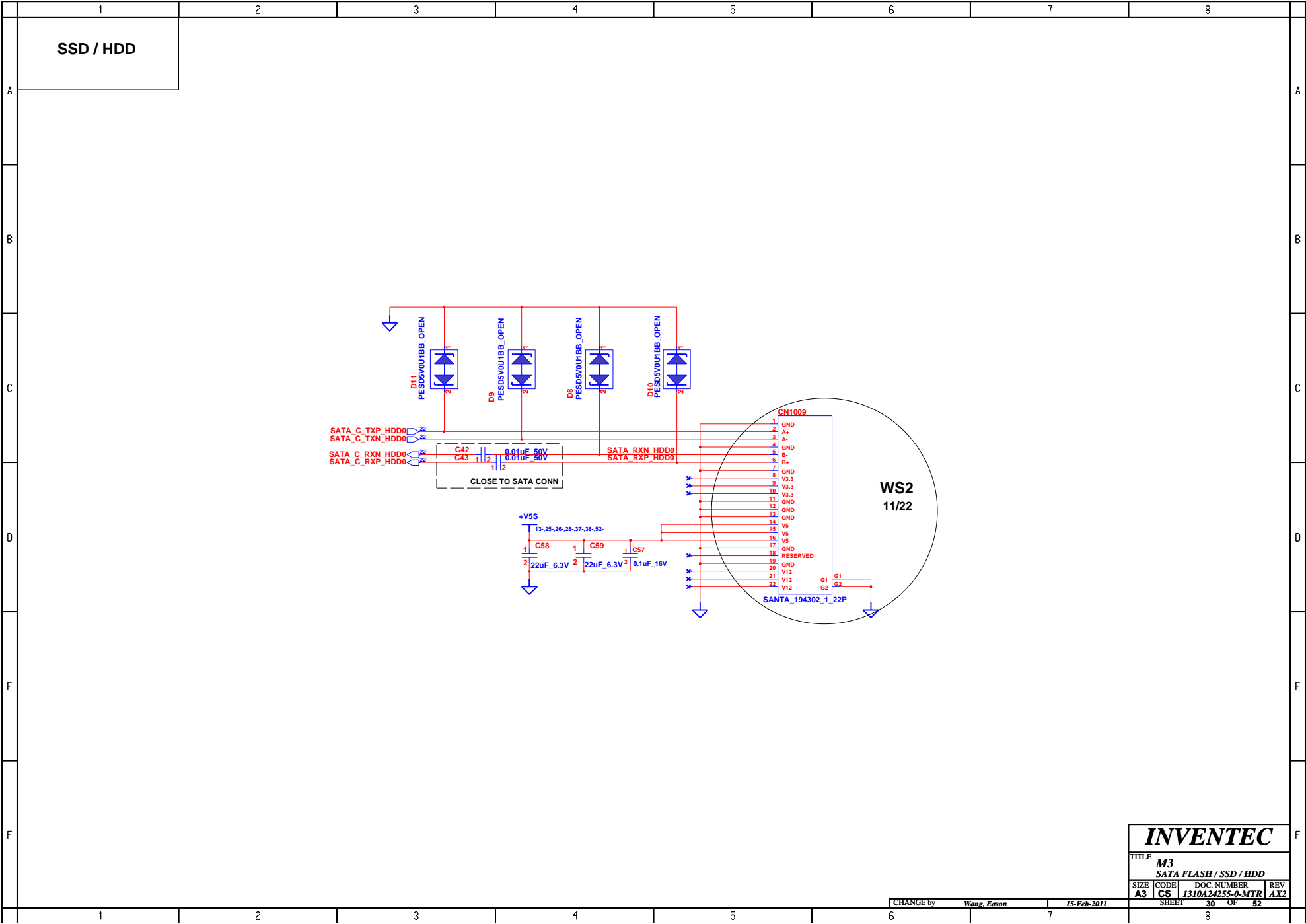
LPC_PWRDWN_L is used to force LPC peripherals to go into sleep mode
Device may require that this be asserted before entering S3
Device may require that this be asserted before stopping this 33MHz clock

TITLE		DOC. NUMBER		REV
M3		I310A24255-0-MTR		AX2
SIZE	CODE	SHEET		OF
A3	CS	29		52

CHANGE by: Wang, Eason 15-Feb-2011



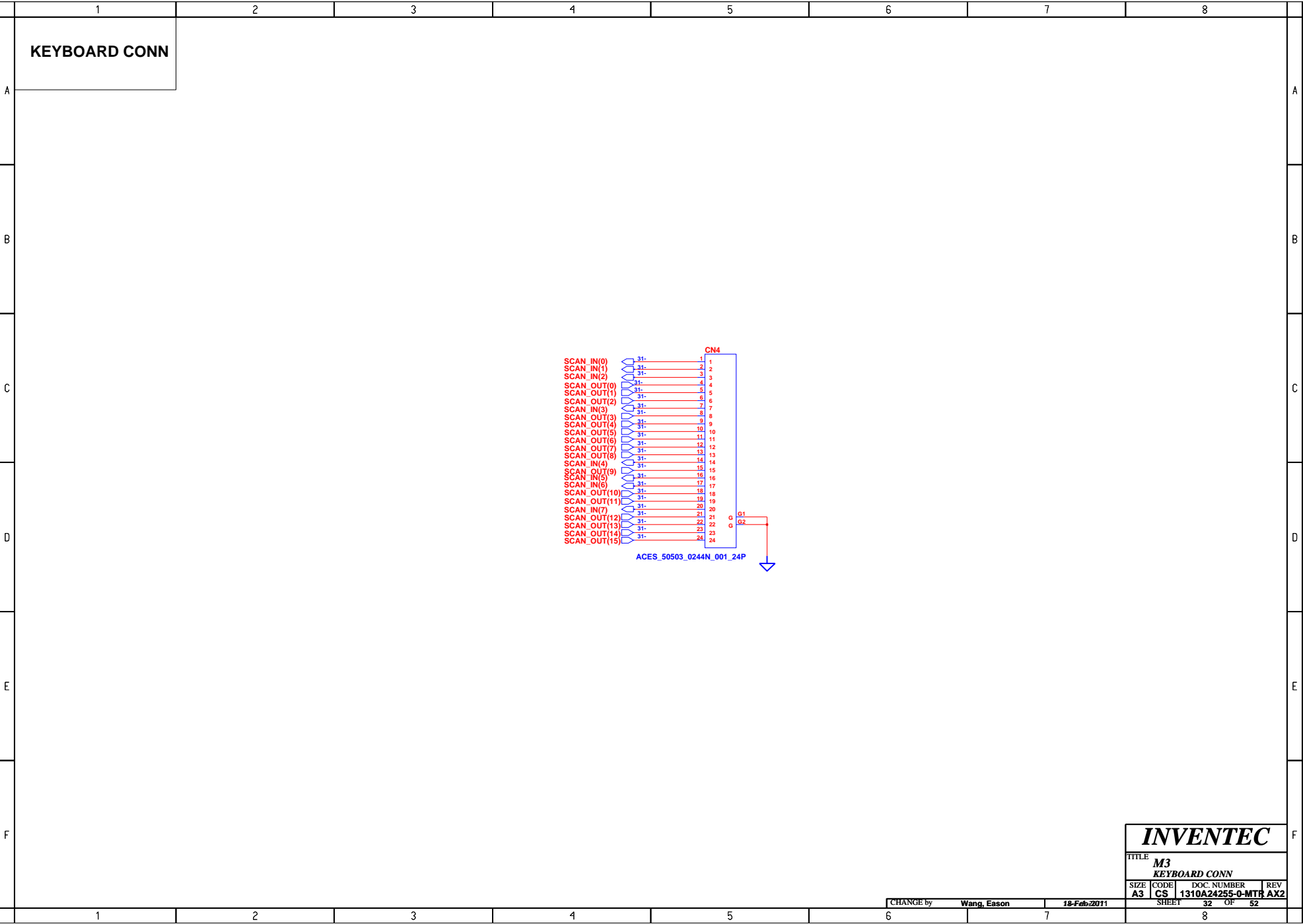
INVENTEC			
TITLE M3 TPM			
SIZE A3	CODE CS	DOC. NUMBER 1310A24255-0-MTR	REV AX2
SHEET		29	OF 52



INVENTEC

TITLE			
M3			
SATA FLASH / SSD / HDD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24255-0-MTR	AX2
SHEET		30	OF 52

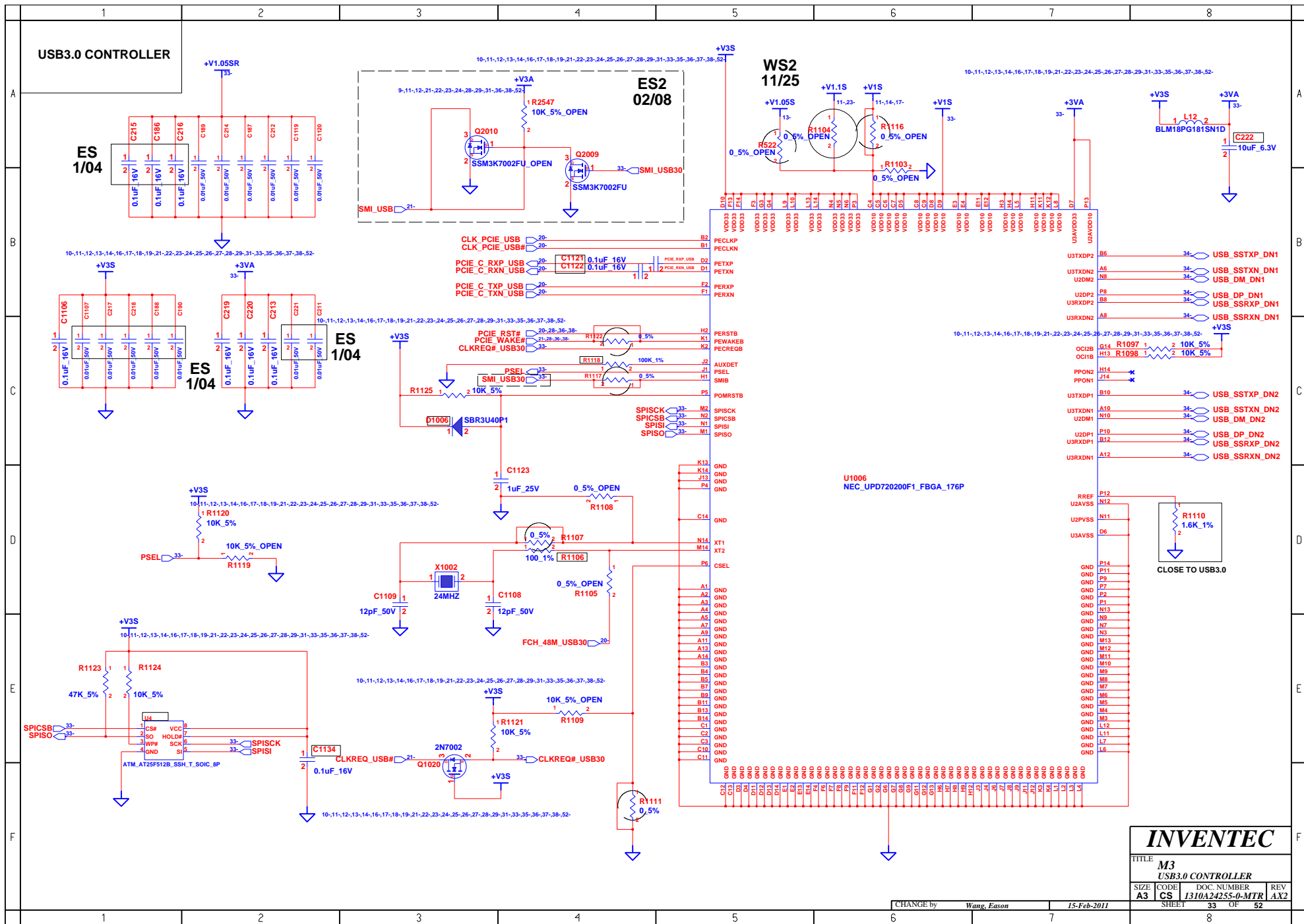
CHANGE by Wang, Eason 15-Feb-2011



INVENTEC

TITLE			
M3			
KEYBOARD CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24255-0-MTR	AX2
SHEET		32	OF 52

CHANGE by Wang, Eason 18-Feb-2011

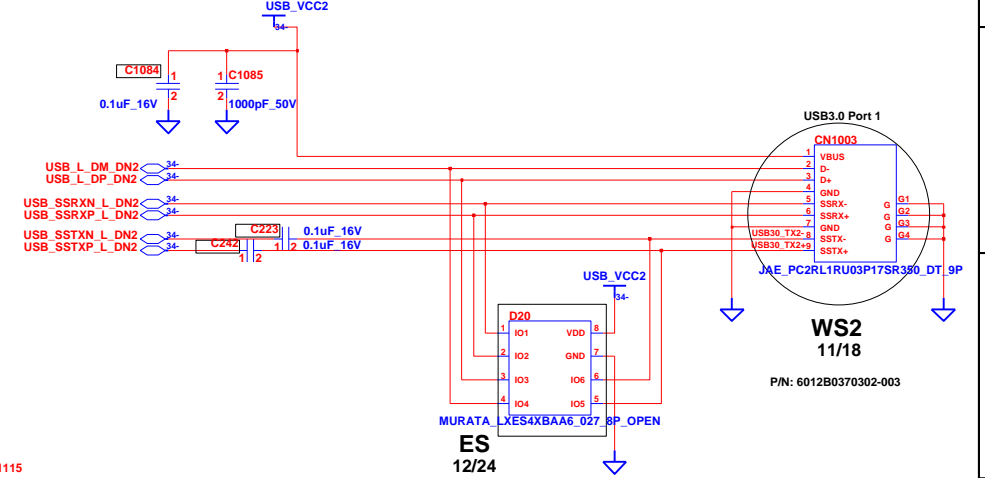
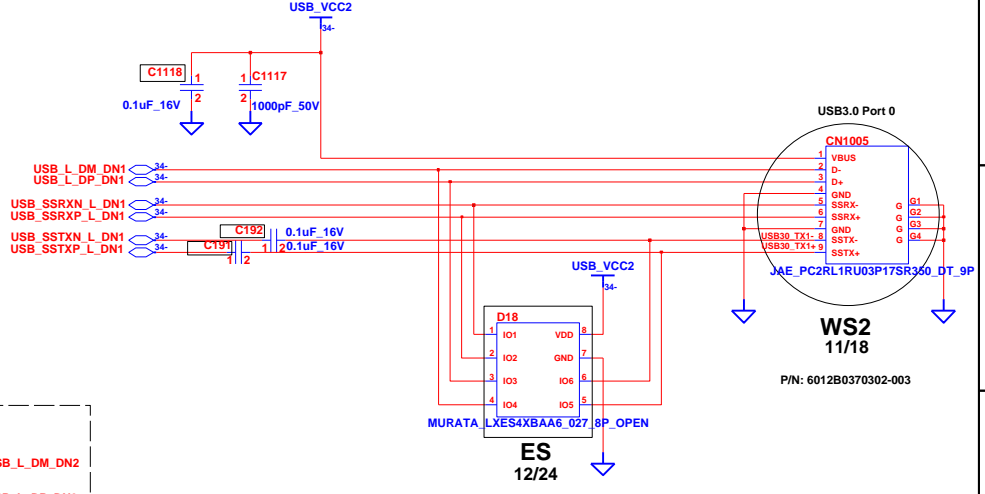
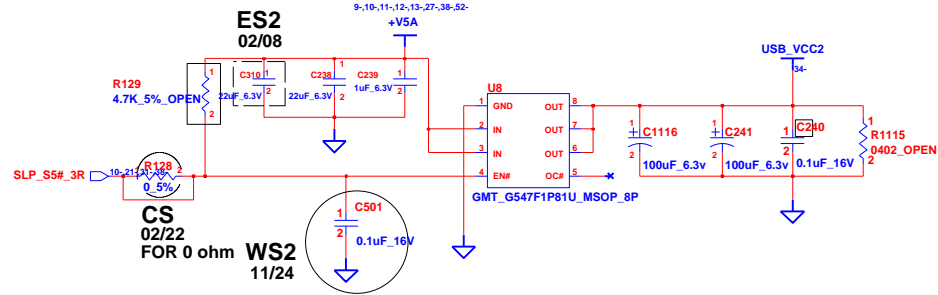


INVENTEC			
TITLE M3 USB3.0 CONTROLLER			
SIZE A3	CODE CS	DOC NUMBER 1310A24255-0-MTR	REV AX2
CHANGE by Wang, Eason		15-Feb-2011	
SHEET 33		OF 52	

DUAL USB 3.0 CONN



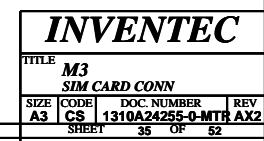
ES2
02/09



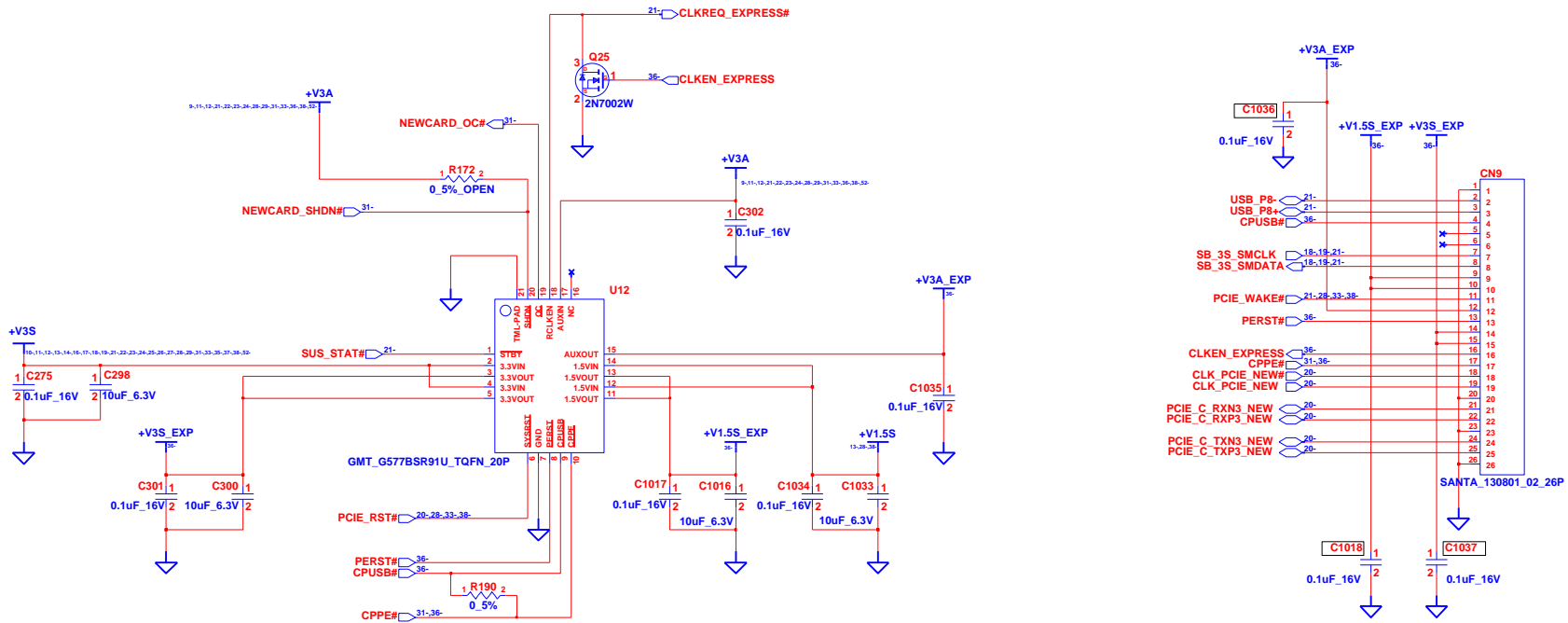
INVENTEC

TITLE M3 DUAL USB3.0 CONN			
SIZE A3	CODE CS	DOC. NUMBER 1310A24255-0-MTR AX2	REV 34 OF 52

CHANGE by Wang, Eason 18-Feb-2011

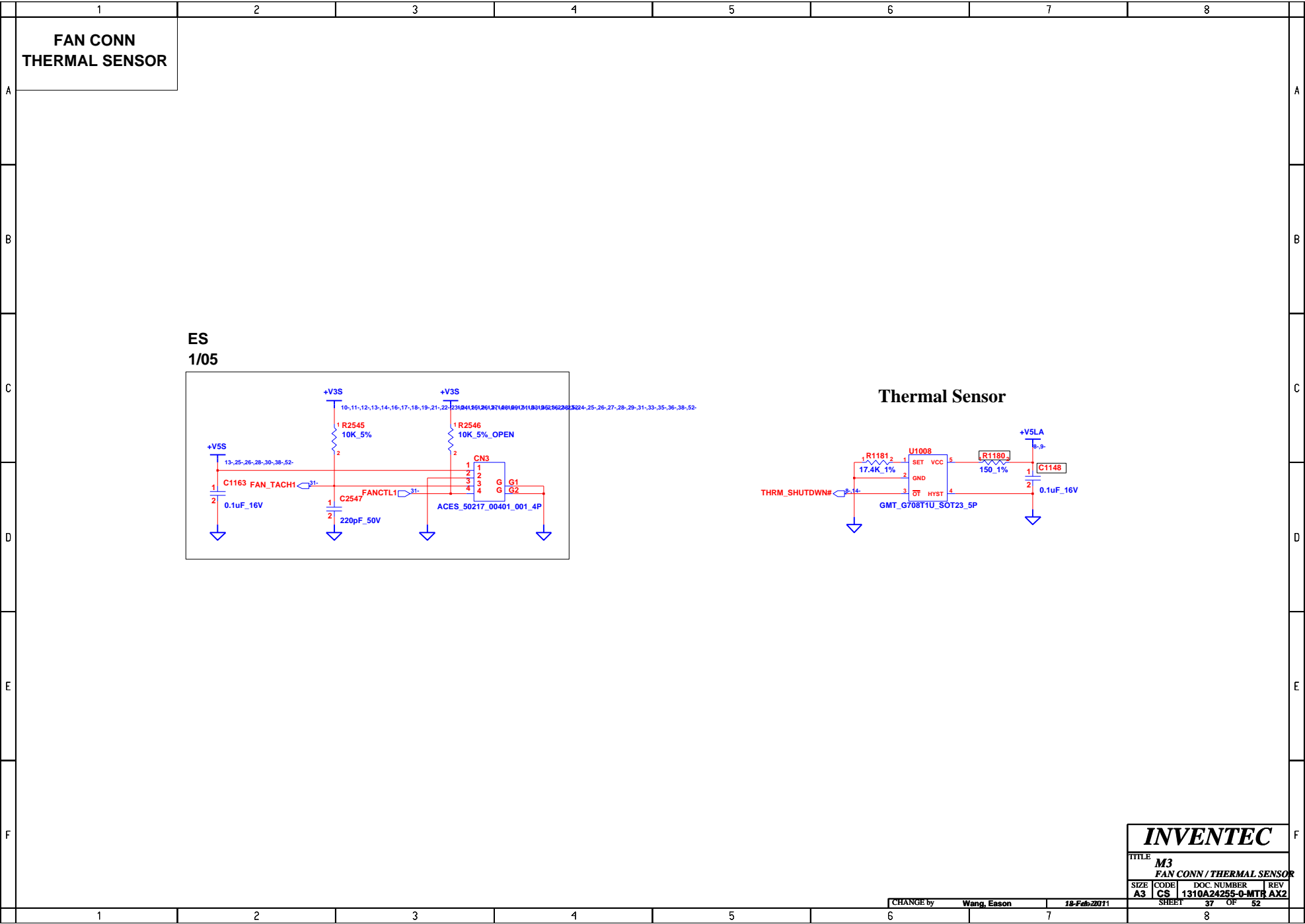


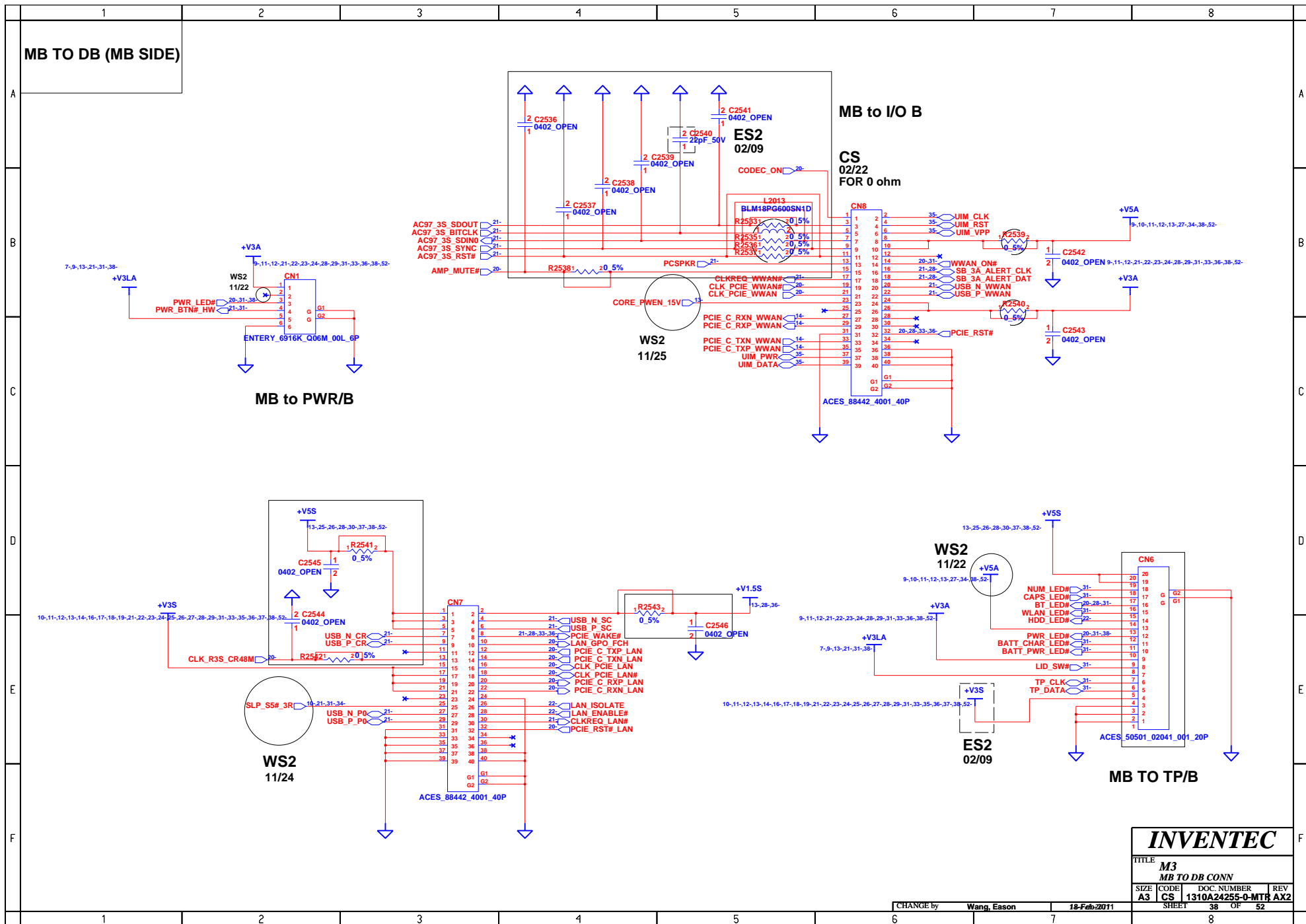
EXPRESS CARD

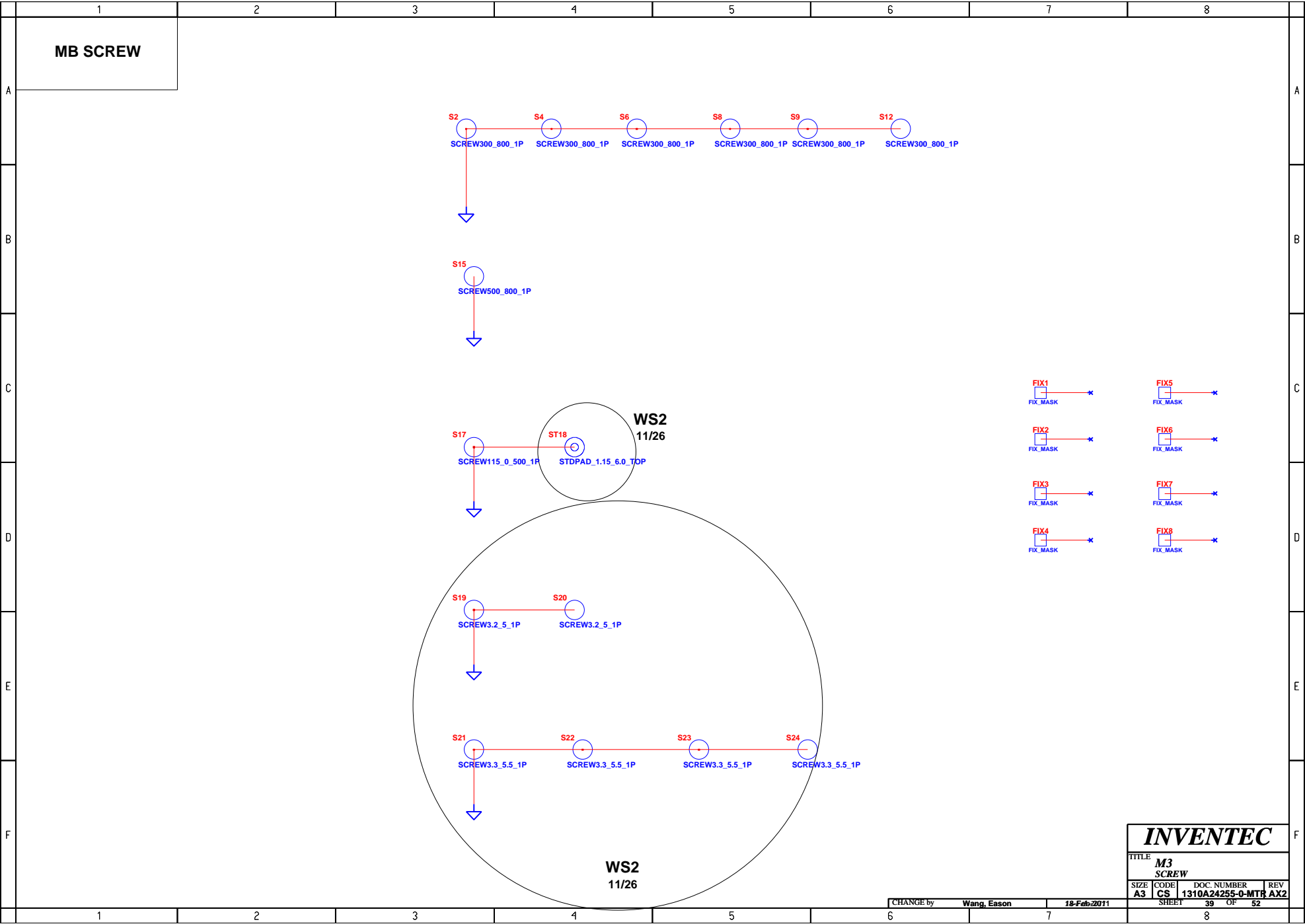


INVENTEC

TITLE			
M3 EXPRESS CARD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24255-0-MTR	AX2
CHANGE by		18-Feb-2011	
Wang, Eason			
SHEET		36	OF 52







INVENTEC

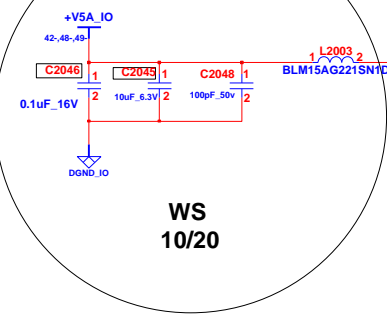
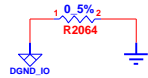
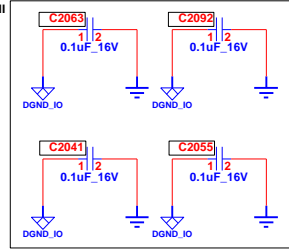
TITLE			
M3 SCREW			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24255-0-MTR	AX2
SHEET		39	OF 52

CHANGE by Wang, Eason 18-Feb-2011

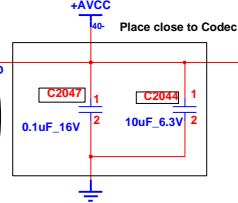
CODEC

Locate under CODEC
use 80 mills wide trace
bridging AGND and DGND planes

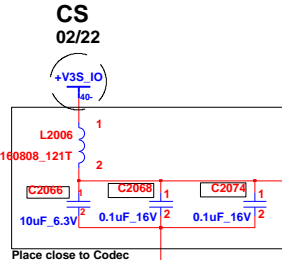
FOR EMI



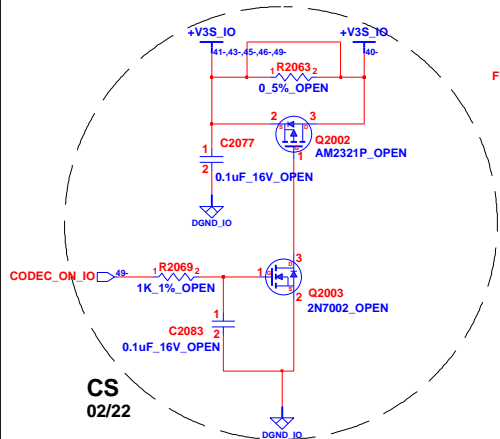
WS
10/20



CS
02/22



CS
02/22



MICIN_REF_L
MICIN_REF_R

A_LEFT
A_RIGHT

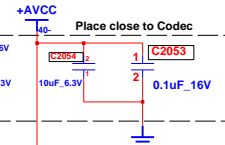
Place close to Codec

CS
02/22
FOR 0 ohm

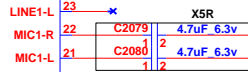
MIC_IN_DATA
AC97_3S_SDOOUT_IO
AC97_3S_BITCLK_IO
AC97_3S_SDI0_IO
AC97_3S_SYNC_IO
AC97_3S_RST#_IO

WS
9/7

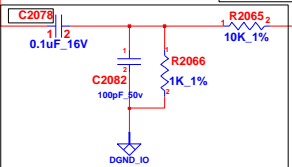
U2003
REA_ALC268_VB1_GR_ACER_LQFP_48P



Place close to Codec



Place close to Codec



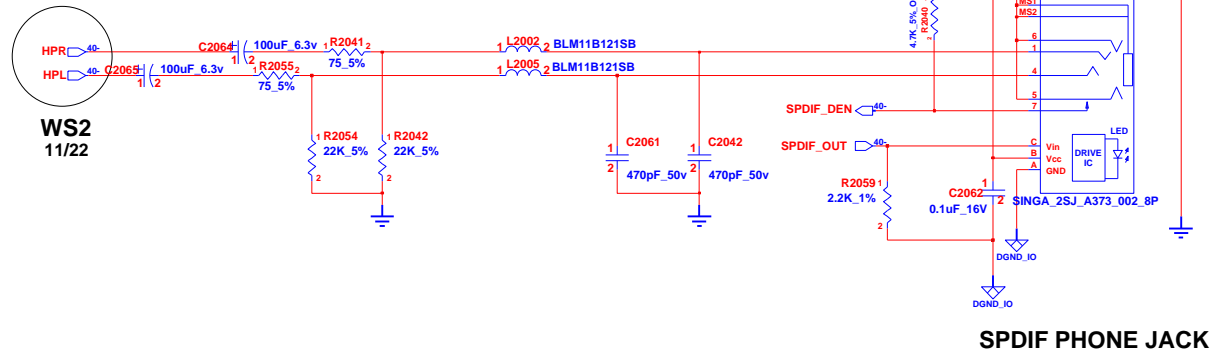
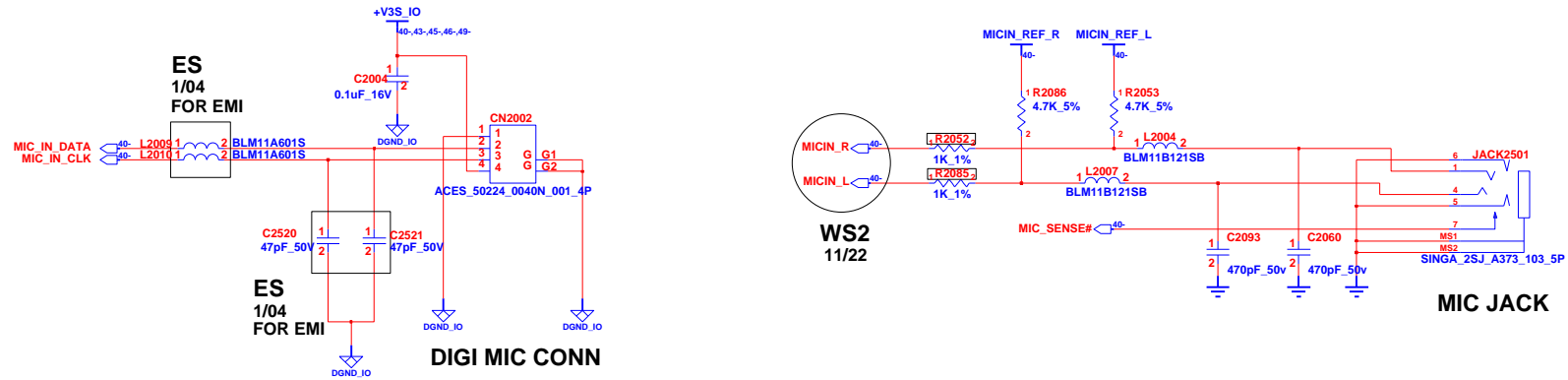
Place close to Codec

INVENTEC

TITLE M3 CODEC			
SIZE A3	CODE CS	DOC. NUMBER 1310A24255-0-MTR	REV AX2
SHEET 40		OF 52	

CHANGE by Wang, Eason 15-Feb-2011

AUDIO JACK

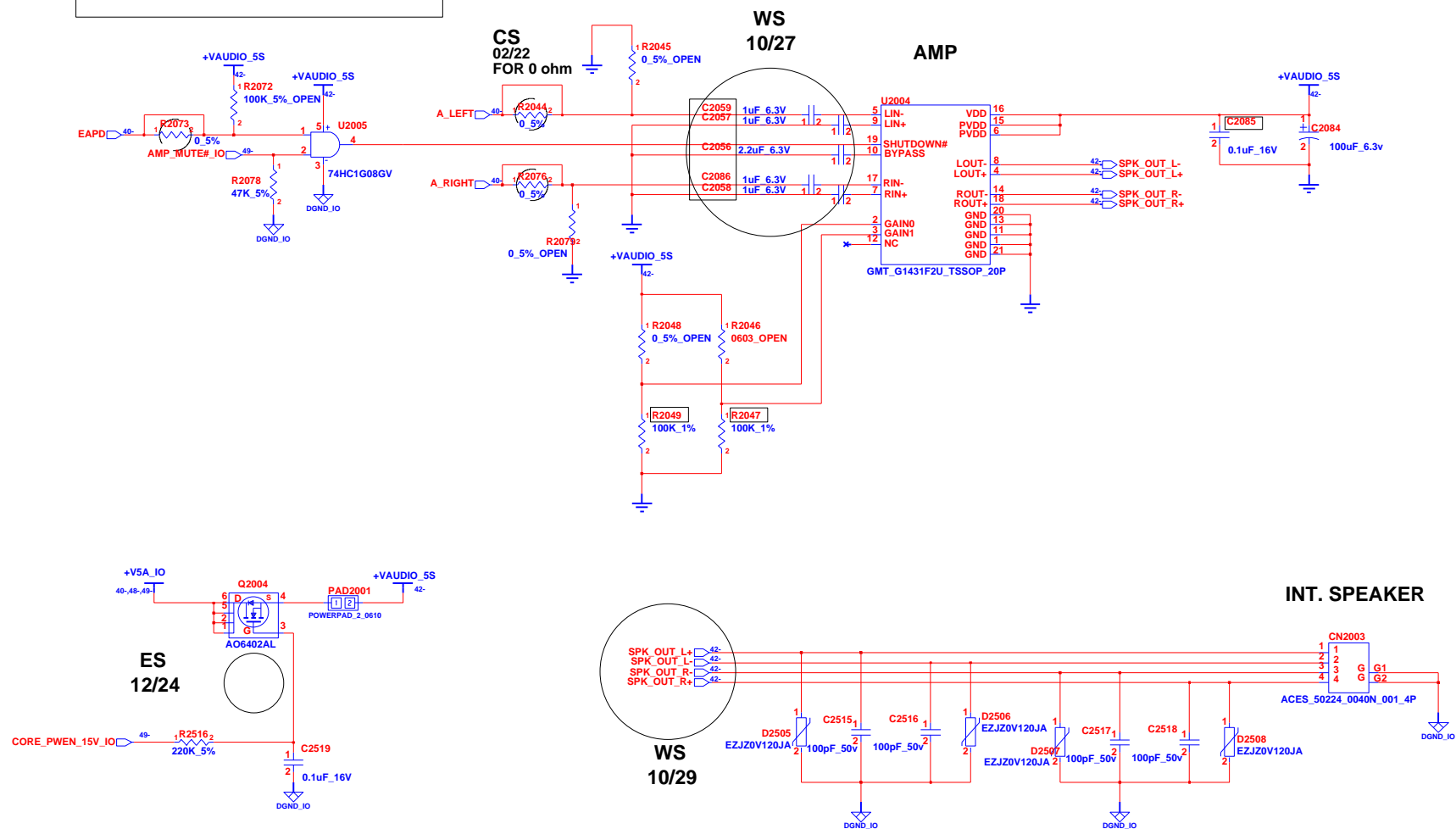


INVENTEC

TITLE			
M3 AUDIO JACK			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24255-0-MTR	AX2
CHANGE by		Wang, Eason	15-Feb-2011
SHEET		41	OF 52

AMP / SPEAKER

EAPD when output high, turn on OP
EAPD when output low, turn off OP

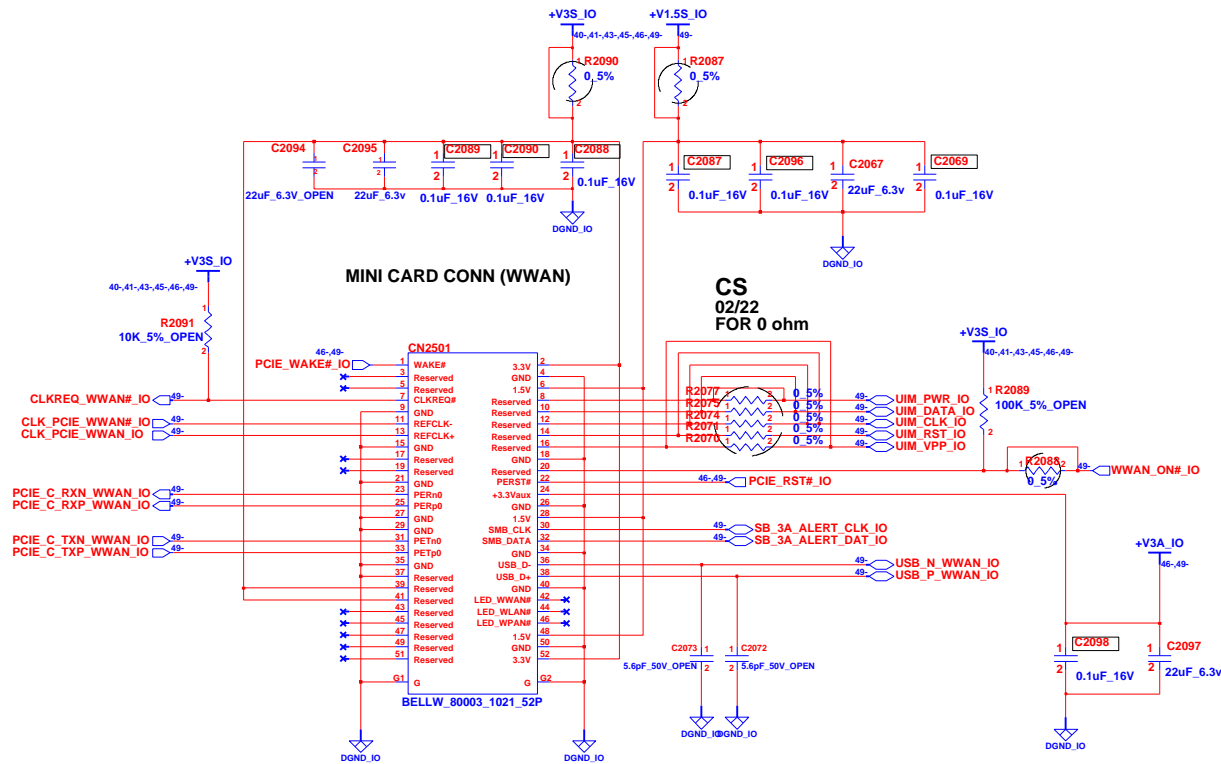


INVENTEC

TITLE			
M3			
AMP/SPEAKER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24255-0-MTR	AX2
SHEET		42	OF 52

CHANGE by Wang, Eason 15-Feb-2011

WWAN

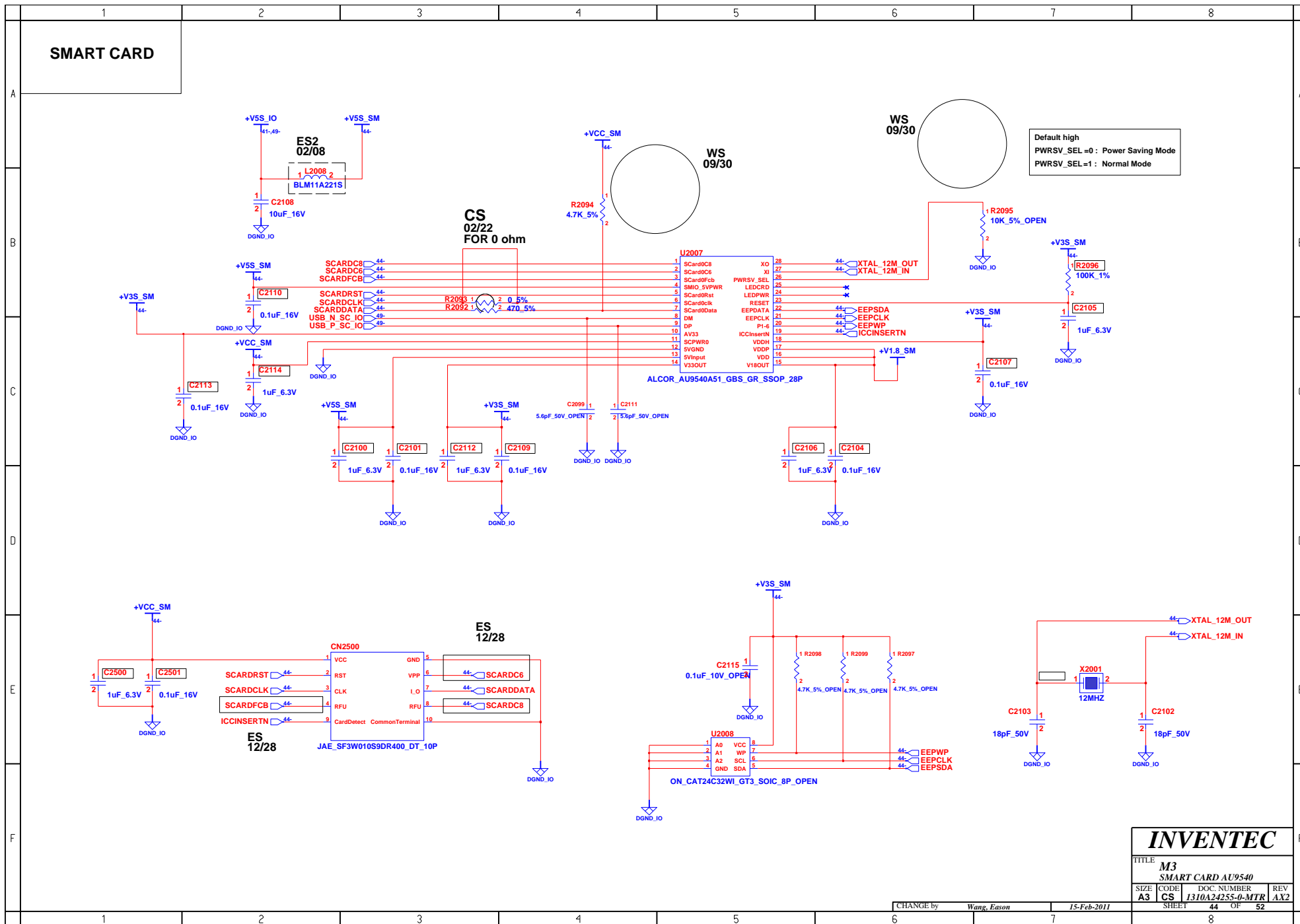


INVENTEC

TITLE			
M3			
WWAN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24255-0-MTR	AX2
SHEET		43	OF 52

CHANGE by Wang, Eason 15-Feb-2011

8



[illegible]

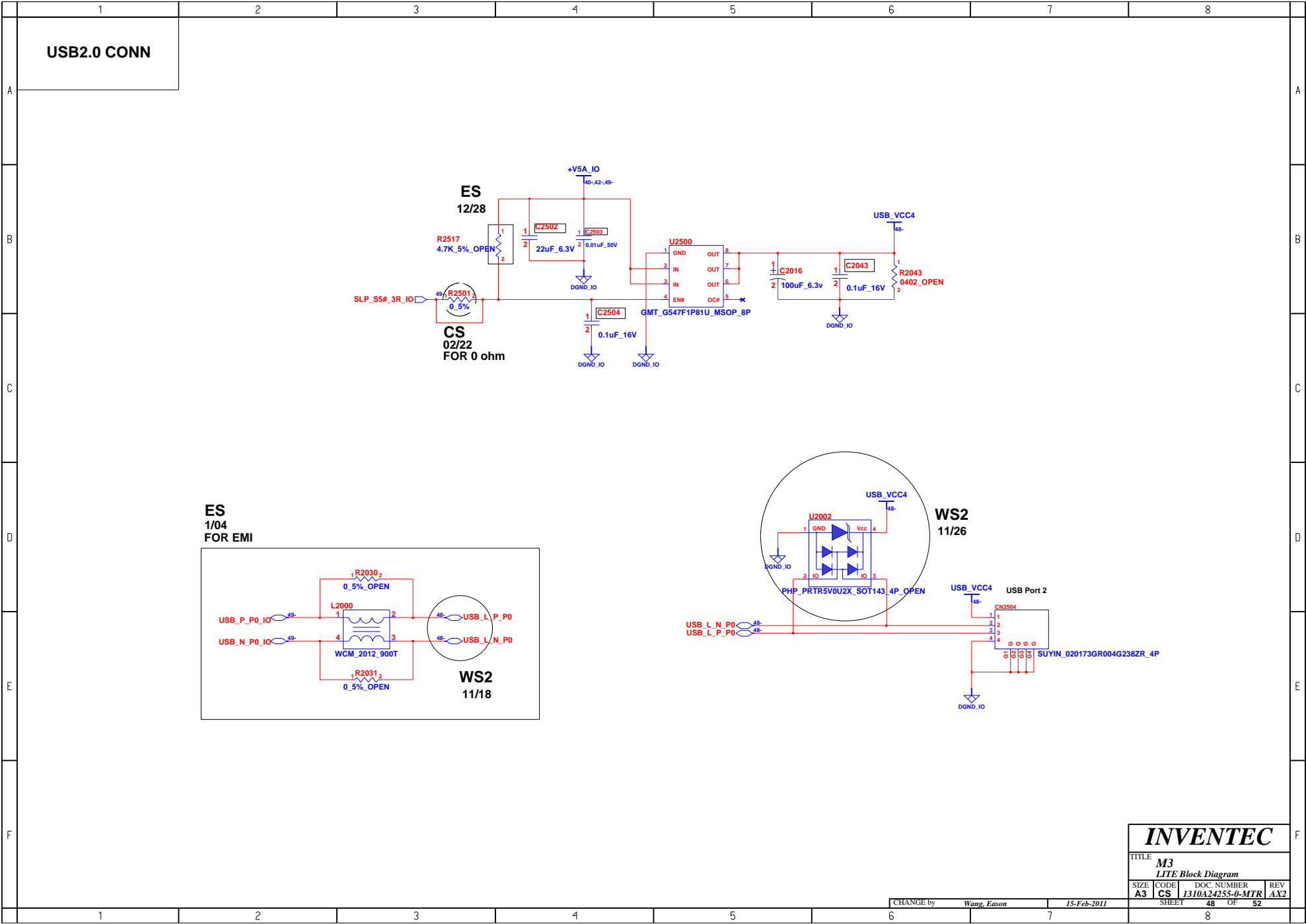
TITLE			
M3 CARD READER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24255-0-MTR	AX2
SHEET		45	OF 52

CHANGE by	Wang, Eason	15-Feb-2011
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TITLE			
M3 RJ45/ DUAL USB			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24255-0-MTR	AX2
SHEET		47	OF 52

CHANGE by	Wang, Eason	15-Feb-2011
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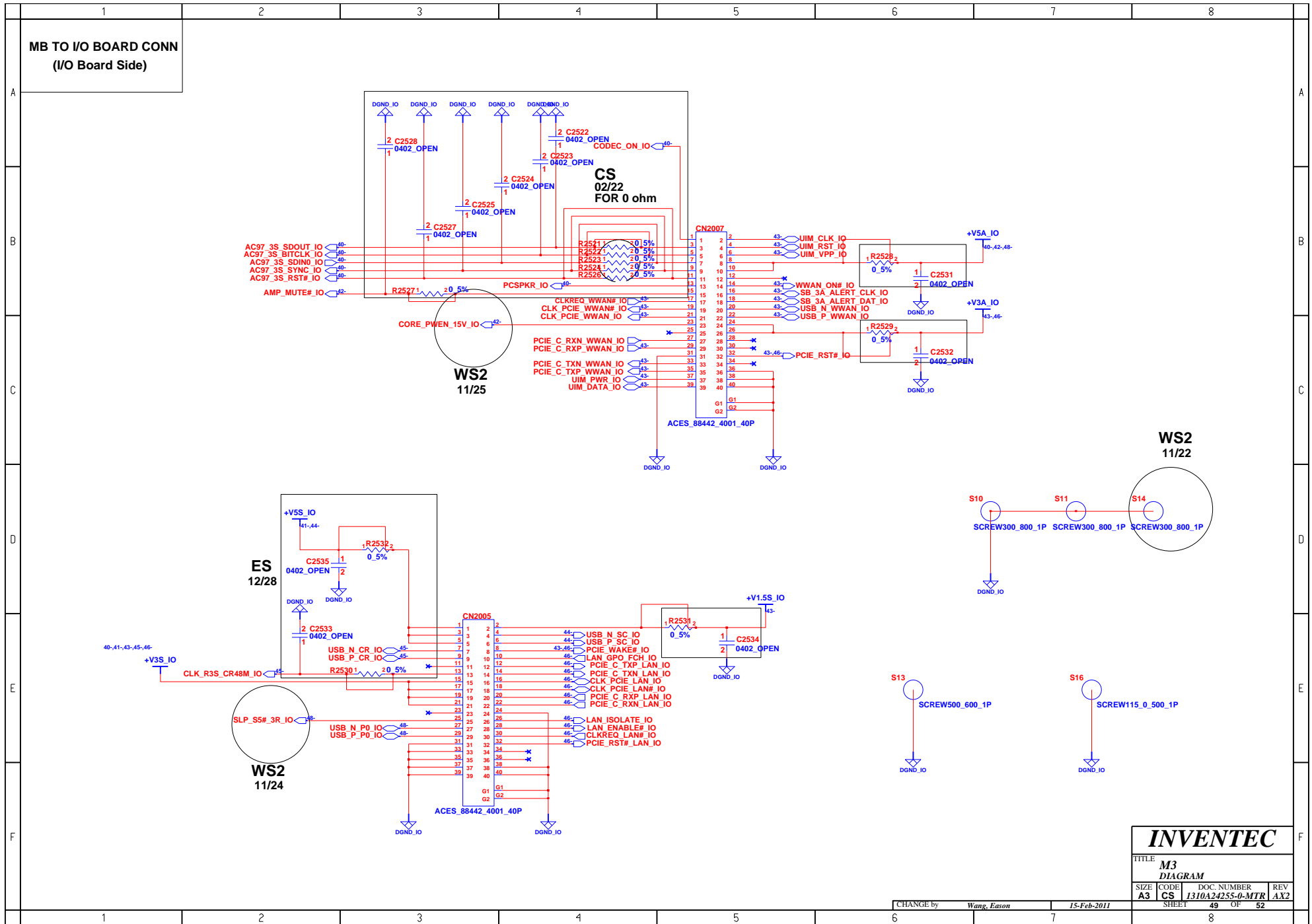
CS 1310A24255-0-M1R
SHEET 47 OF 52



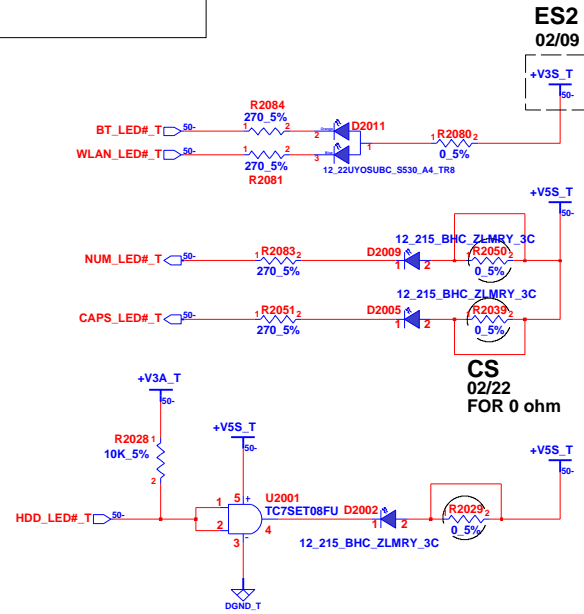
INVENTEC

TITLE			
M3			
LITE Block Diagram			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24255-0-MTR	AX2
SHEET		48	OF 52

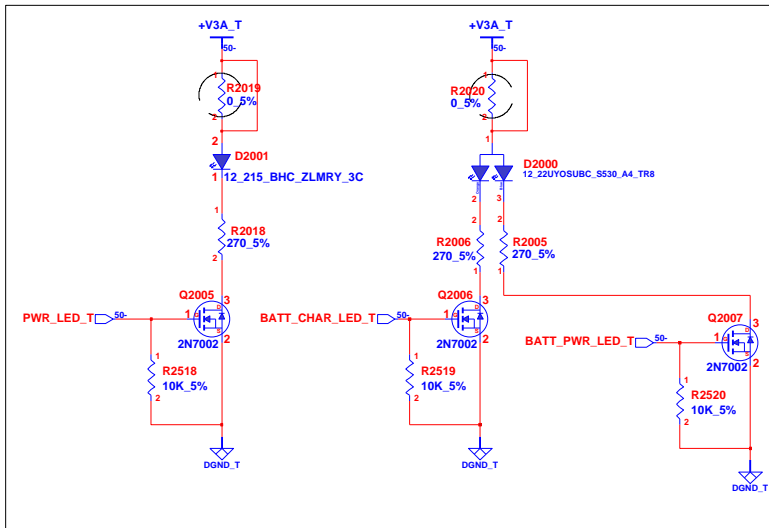
CHANGE by Wang, Eason 15-Feb-2011



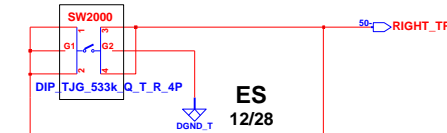
TOUCH PAD BOARD



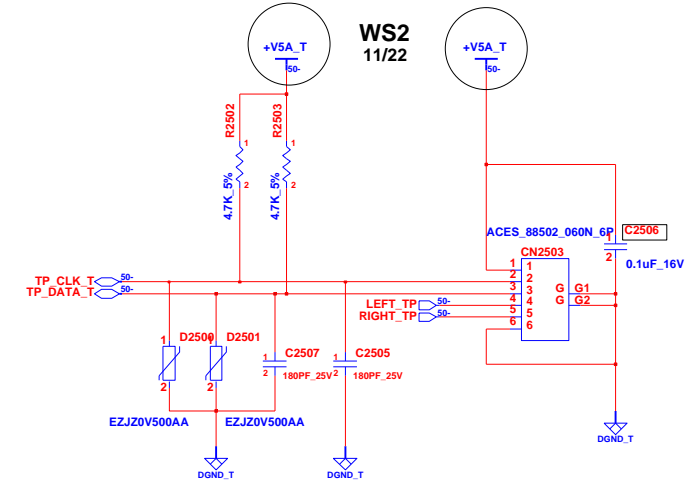
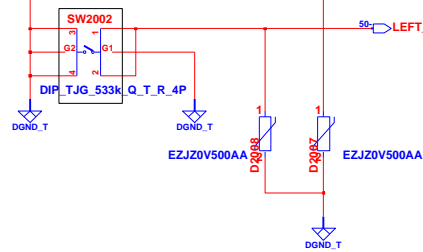
ES
1/3



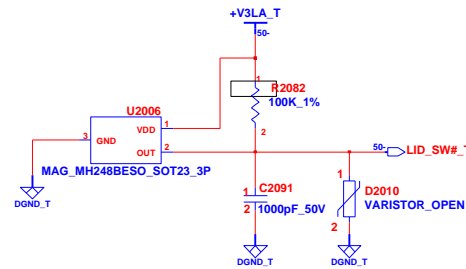
Touch Tad Right key



Touch Tad left key

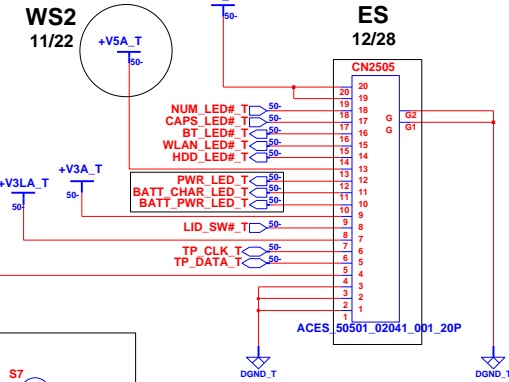
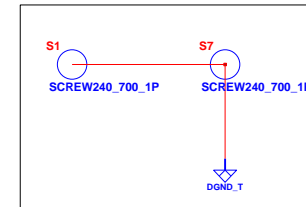


For Touch PAD Module



WLAN_LED# & BT_LED#	PURPLE
WLAN_LED#	BLUE
BT_LED#	AMBER
NUM_LED#	BLUE
CAPS_LED#	BLUE
HDD_LED#	BLUE
PWR_LED#	BLUE
BATT_CHAR	AMBER
BATT_PWR	BLUE

ES
1/7

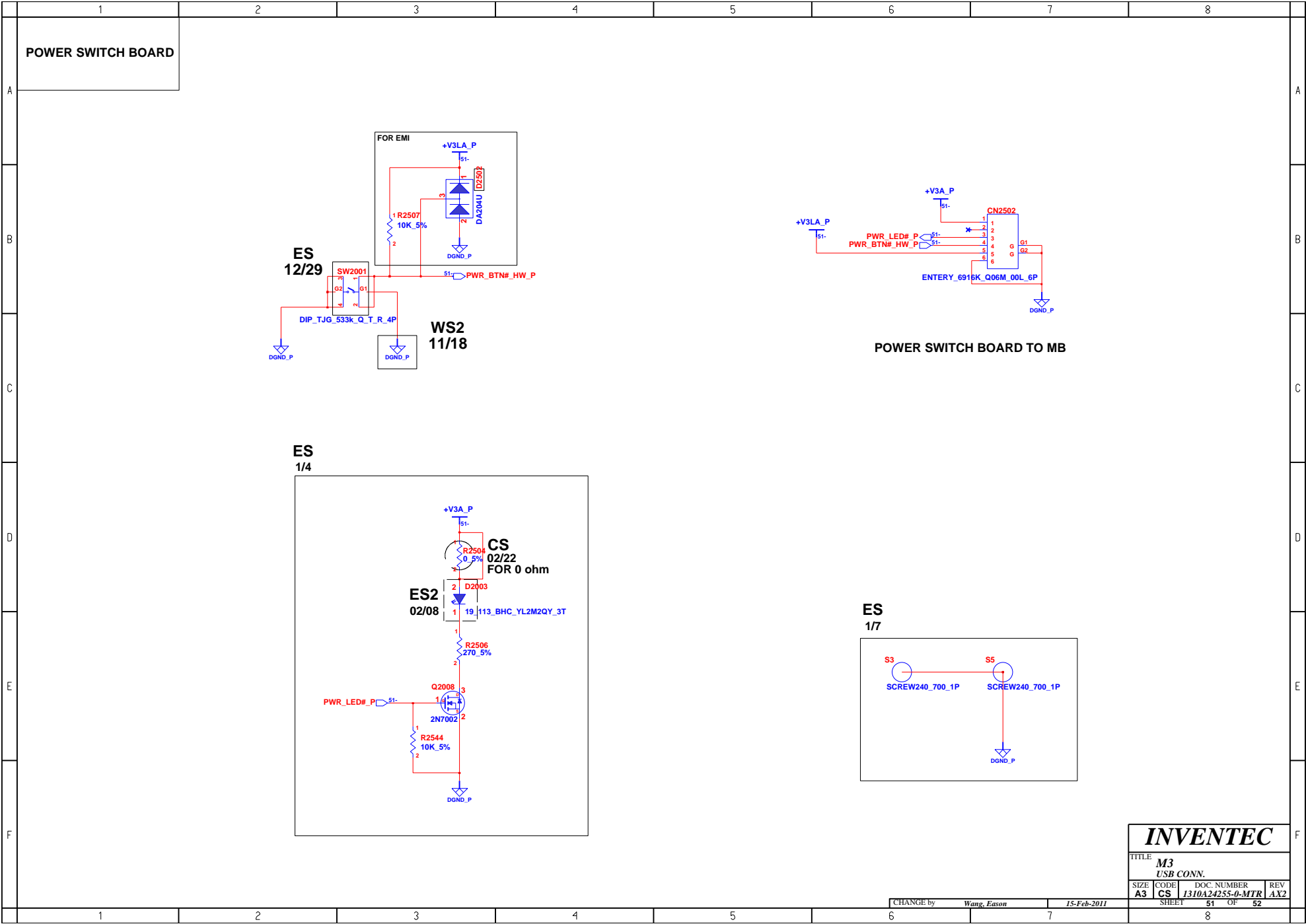


MB TO TP BOARD

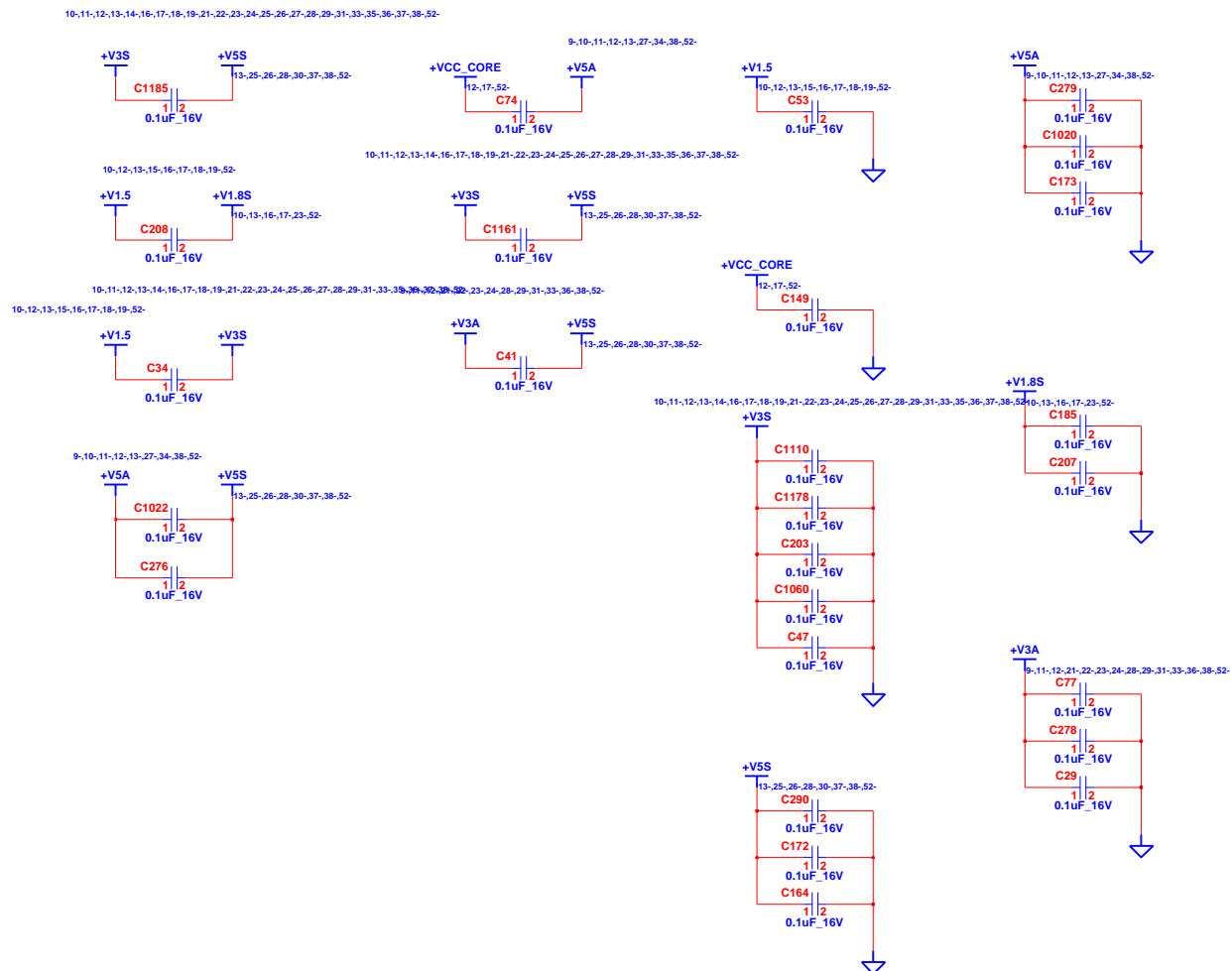
INVENTEC

TITLE	M3
SIZE	A3
CODE	CS
DOC NUMBER	1310A24255-0-MTR
REV	AX2
SHEET	50
OF	52

CHANGE by Wang, Eason 15-Feb-2011



EMI



INVENTEC

TITLE			
M3			
EXTENDED block diagram			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A24255-0-MTR	AX2
SHEET		52	OF 52

CHANGE by Wang, Eason 15-Feb-2011