



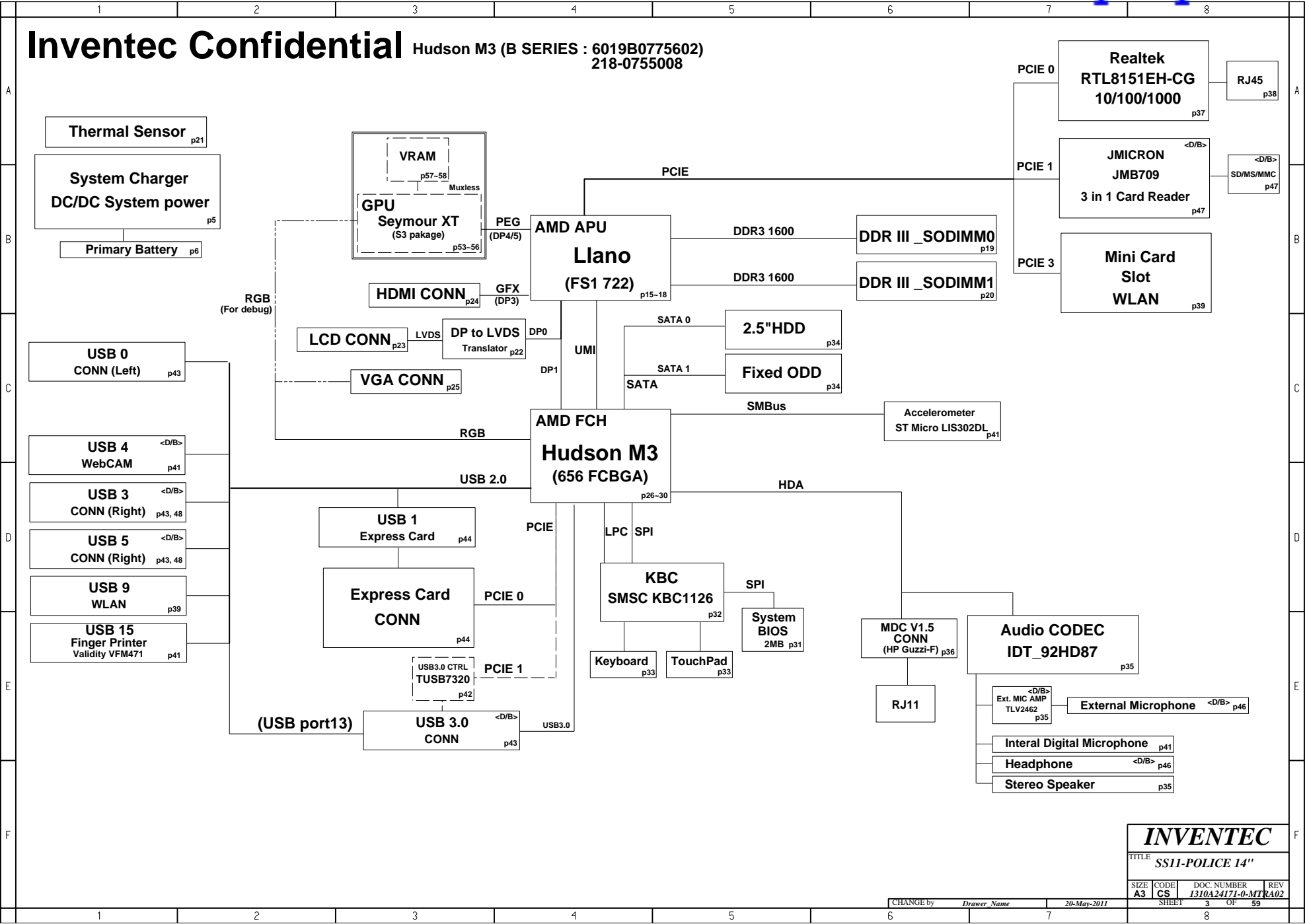
## Table Of Contents

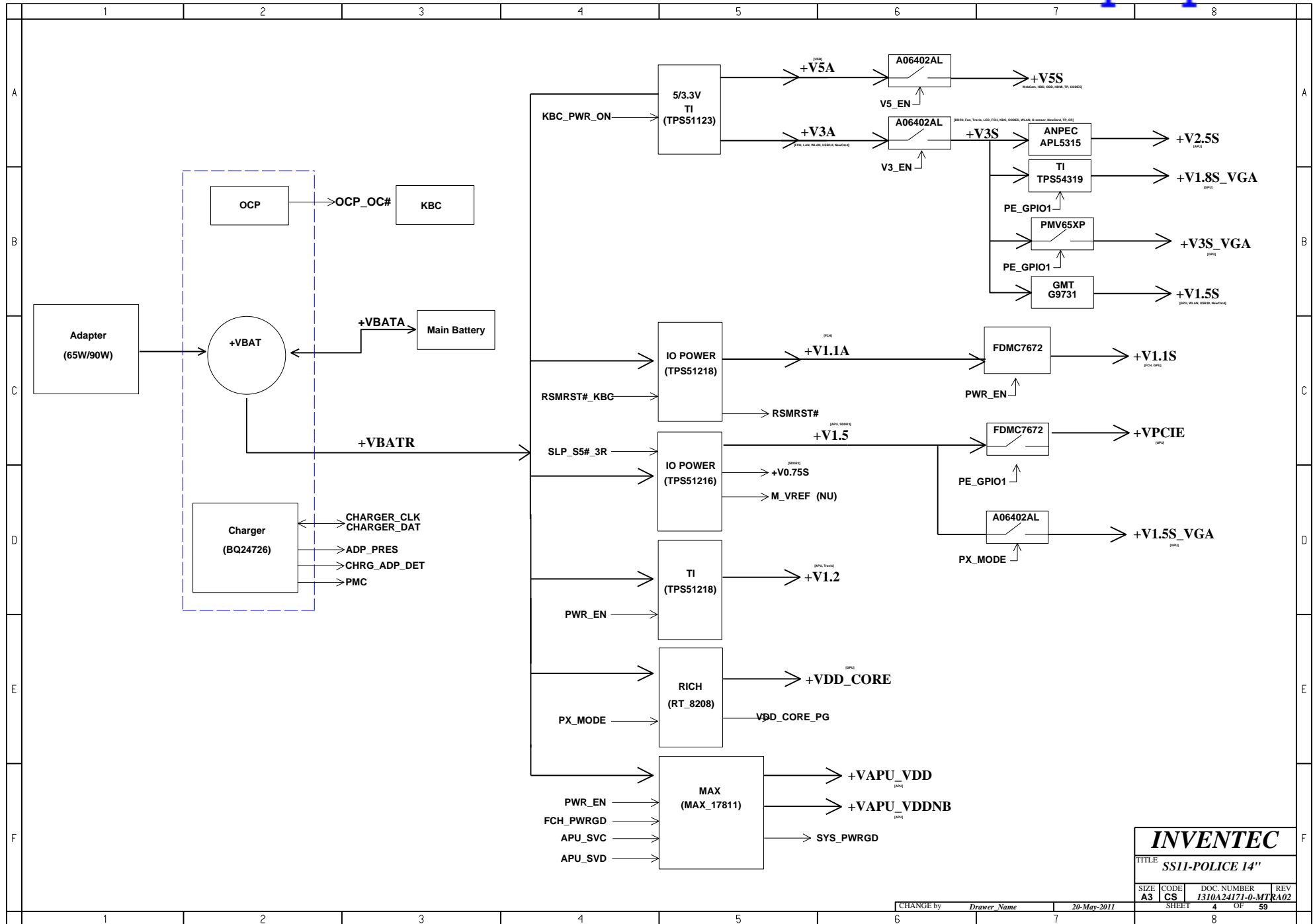
Page	Page	Page
5- DC & Battery Charger	15- APU LLANO-1	38- RJ45 CONN, Transformer
6- Select & Battery CONN	16- APU LLANO-2	39- WLAN (Mini Card)
7- System Power (+V3A/+V5A)	17- APU LLANO-3 & HDT	40- G sensor (Accelerometer)
8- System Power (+V1.1A/+V2.5S)	18- APU LLANO-4	41- PWR & FP & Launch & Web/DMIC CONN
9- DDR3 Power (+V1.5_+V1.35/+V0.75S)	19- DDR3-DIMM0 (8.0)	42- Blank
10- APU Power (VDD/VDDNB)	20- DDR3-DIMM1 (4.0)	43- USB CONNs
11- SYSTEM POWER VDDP,VDDR (+V1.2)	21- Thermal & FAN	44- Express Card
12- Power (Sleep: +V5S/+V3S/+V1.1S)	22- Travis (DP to LVDS)	45- Screw
13- OCP	23- LCM	46- DB~3in1 Card Reader & Audio jack-1
14- Power (Sequence)	24- HDMI	47- DB~3in1 Card Reader & Audio jack-2
	25- VGA CONN	48- DB~USB CONNs (right side)
	26- FCH-Hudson M3-1	49- DB~Power Switch & LED
	27- FCH-Hudson M3-2	50- DB~LID & Quick Launch, WLAN SW & LED
	28- FCH-Hudson M3-3	51- DB~Pick Button
	29- FCH-Hudson M3-4	52- DB~ODD Extend
	30- FCH-Hudson M3-5	53- GPU-Seymour XT (S3 pakage)-1
	31- SPI Flash	54- GPU-Seymour XT (S3 pakage)-2
	32- KBC	55- GPU-Seymour XT (S3 pakage)-3
	33- Keyboard, Touch Pad	56- GPU-Seymour XT (S3 pakage)-4
	34- SATA HDD, ODD & LED.	57- VRAM-1
	35- Audio CODEC	58- VRAM-2
	36- MODEM	59- VGA Power
	37- GLAN Controller	

**INVENTEC**

TITLE <b>SS11-POLICE 14"</b>			
Contents			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A24171-0-MTR</b>	REV <b>A02</b>
SHEET <b>2</b>		OF <b>59</b>	

CHANGE by *Drawer Name* 20-May-2011



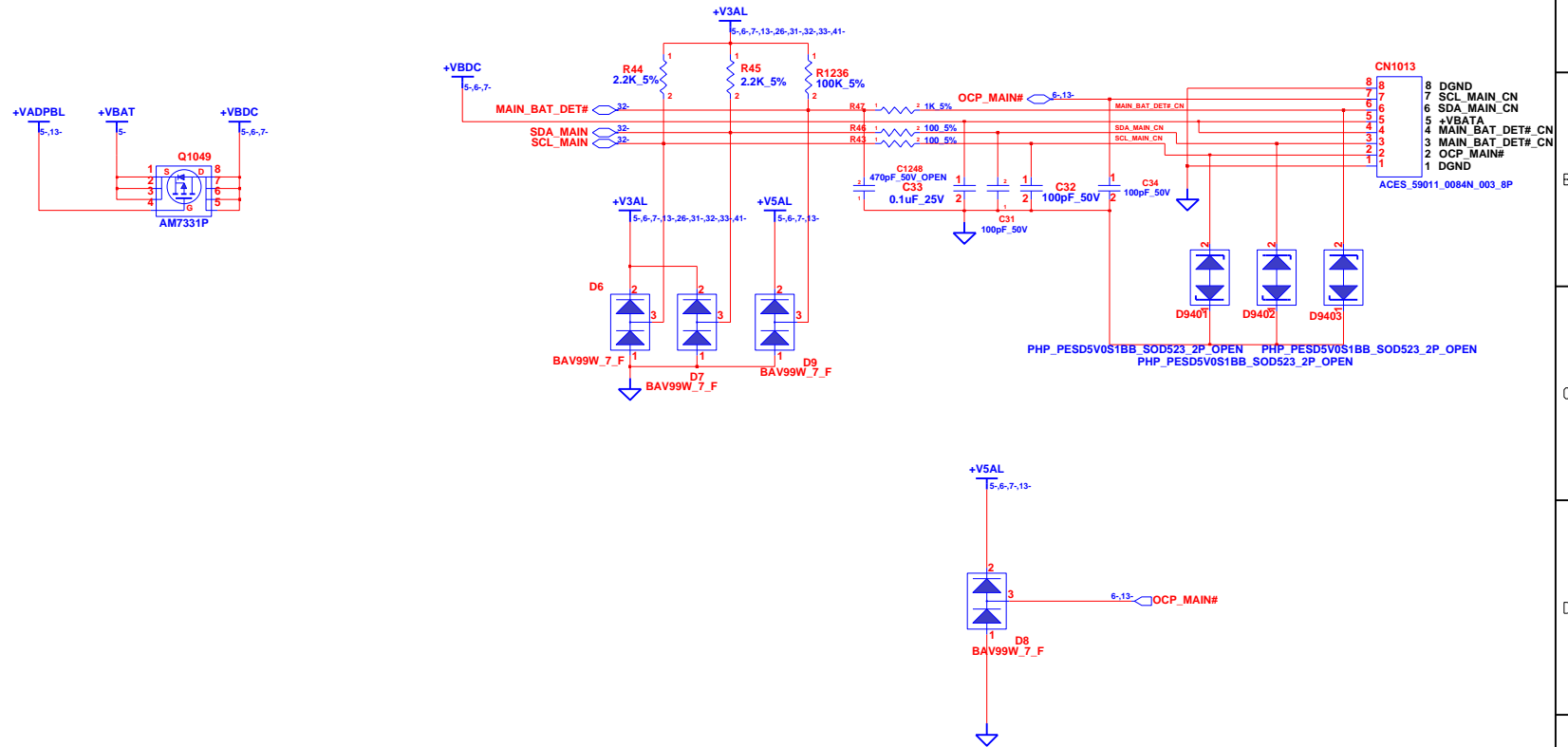


INVENTEC			
TITLE SS11-POLICE 14"			
SIZE A3	CODE CS	DOC. NUMBER I310A24171-0-MTR	REV A02
CHANGE by Drawer Name		20-May-2011	SHEET 4 OF 59

**INVENTEC**

TITLE			
SS11-POLICE 14" DC & BATTERY CHARGER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	A02
SHEET		5 OF	59

CHANGE by	<i>Drawer Name</i>	<i>20-May-2011</i>
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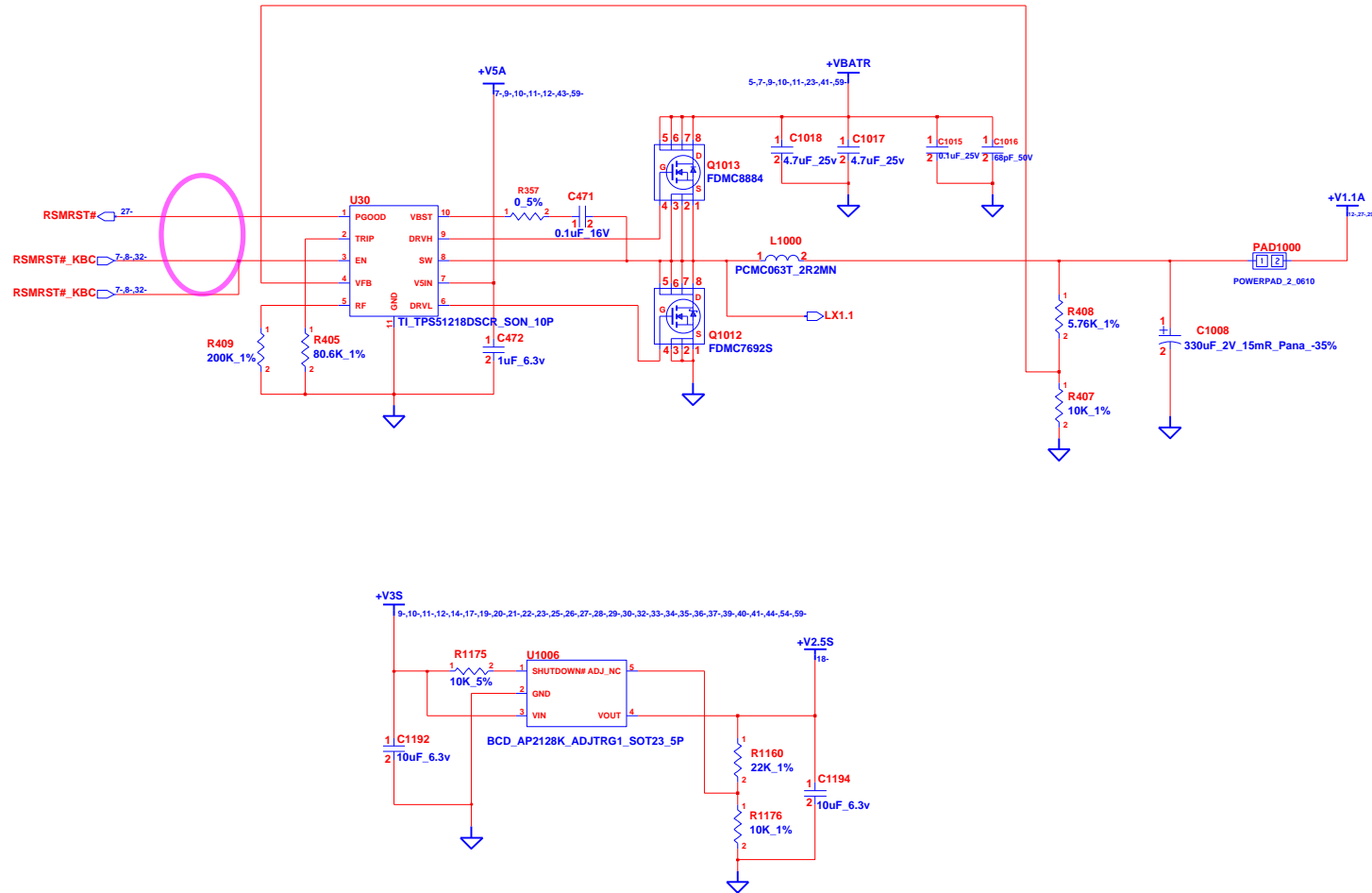


INVENTEC			
TITLE			
SS11-POLICE 14"			
SLECT & BATTERY CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	A02
CHANGE by		Drawer Name	20-May-2011
SHEET		6	OF 59

TITLE			
SS11-POLICE 14" +V3.3A & +V5A			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	A02
SHEET		7	OF 59

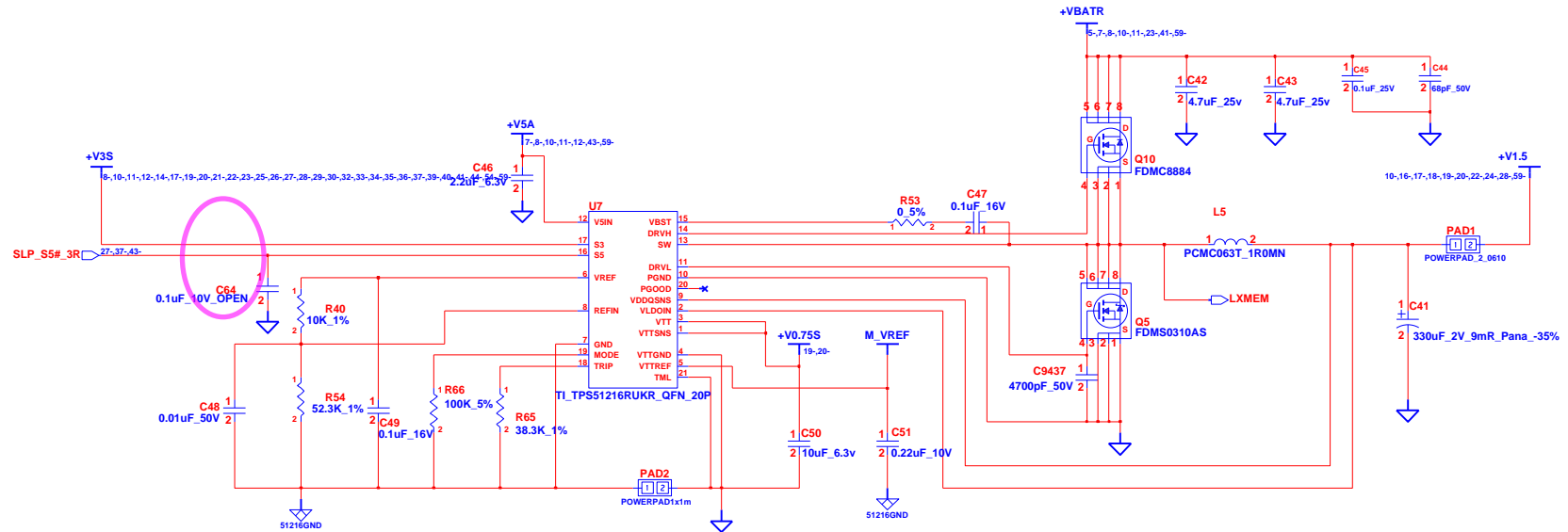
CHANGE by	<i>Drawer Name</i>	<i>20-May-2011</i>
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A3	CS	1310A241/1-0-M1R	A02
SHEET 7 OF 59			



INVENTEC			
TITLE: SS11-POLICE 14"			
SYSTEM POWER(+V1.1A/+V2.5S)			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A24171-0-MTR	REV: A02
CHANGE by: Drawer Name		20-May-2011	
SHEET: 8		OF: 59	





NOTE: DDR3 REGULATOR

**INVENTEC**

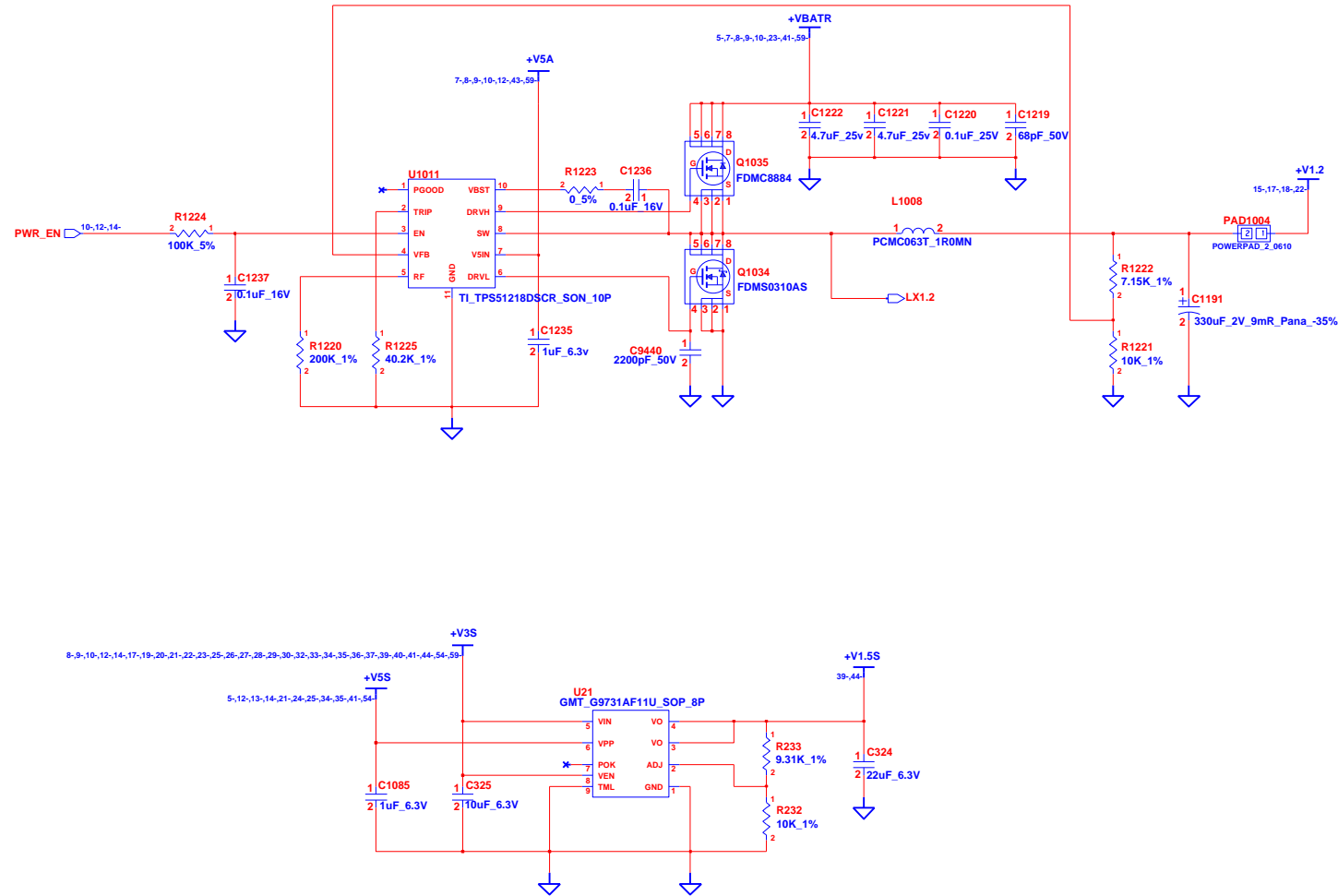
TITLE: **SS11-POLICE 14"**  
DDR3 POWER (+V1.5/+V0.75S)

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	A02

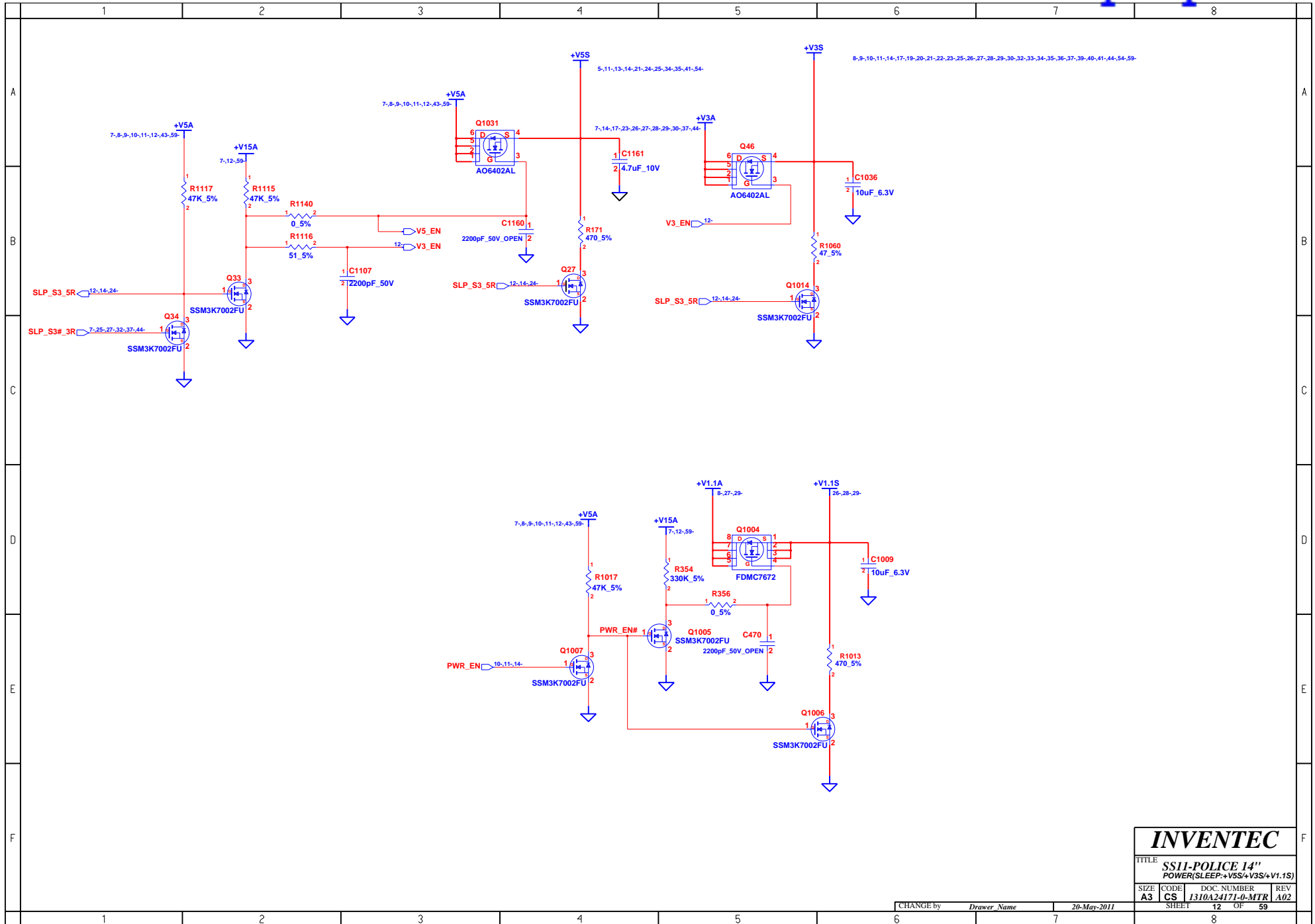
CHANGE by: *Drawer Name* 20-May-2011

SHEET 9 OF 59

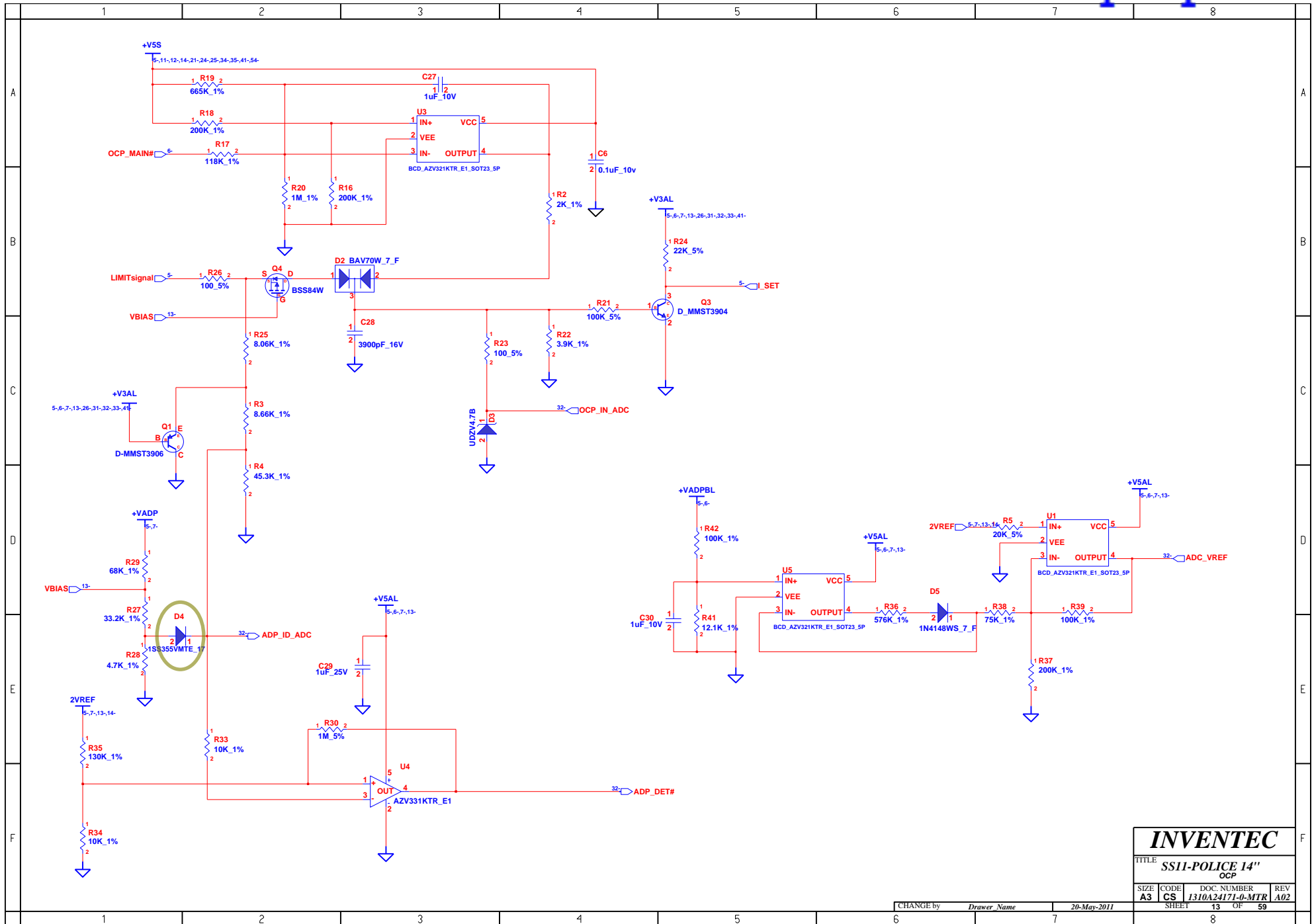
TITLE			
SS11-POLICE 14" APU POWER(VDD/VDDNB)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	A02
SHEET		10	OF 59



INVENTEC			
TITLE SS11-POLICE 14"			
SYSTEM POWER VDDP,VDDR(+V1.2)			
SIZE A3	CODE CS	DOC. NUMBER 1310A24171-0-MTR	REV A02
CHANGE by		20-May-2011	
DRAWN by			
SHEET 11		OF 59	



INVENTEC			
TITLE: SS11-POLICE 14"			
POWER(SLEEP:+V5S/+V3S/+V1.1S)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	A02
CHANGE by		Drawer Name	20-May-2011
SHEET		12	OF 59



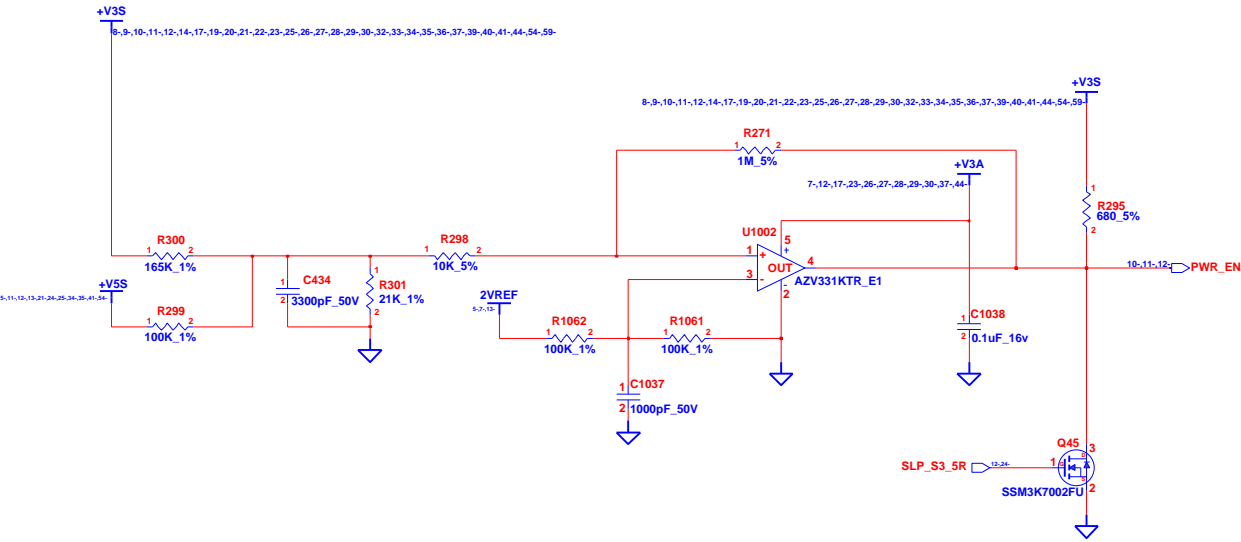
**INVENTEC**

TITLE  
SS11-POLICE 14"  
OCP

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	A02

CHANGE by: *Drawer Name* 20-May-2011

SHEET 13 OF 59



**INVENTEC**

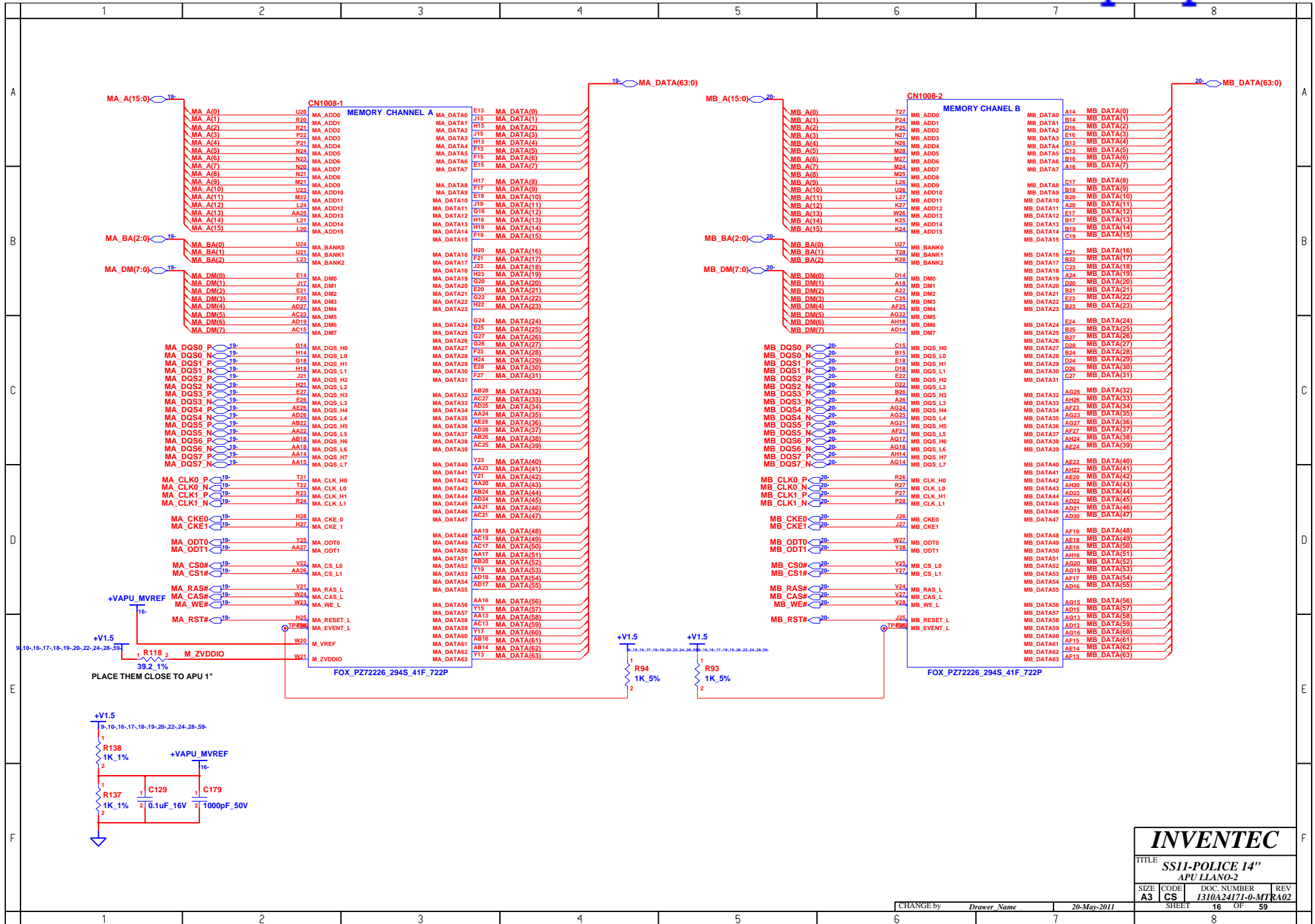
TITLE  
**SS11-POLICE 14"**  
POWER(SEQUENCE)

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	A02

CHANGE by *Drawer Name* 20-May-2011

SHEET 14 OF 59





**INVENTEC**

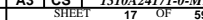
TITLE: SS11-POLICE 14"  
APU LLANO-2

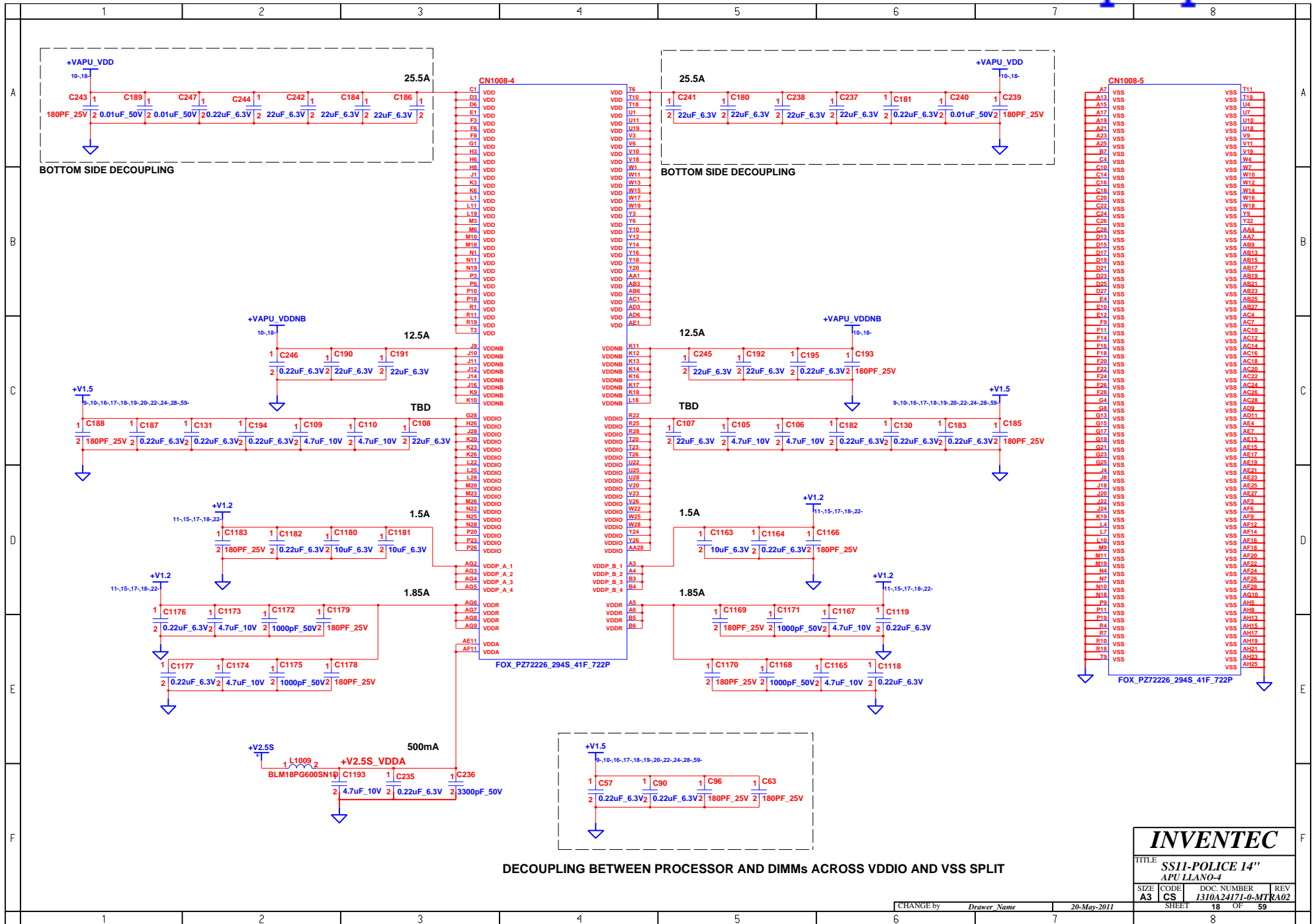
SIZE: A3 CODE: CS DOC. NUMBER: 1310A24171-0-MT REV: RA02

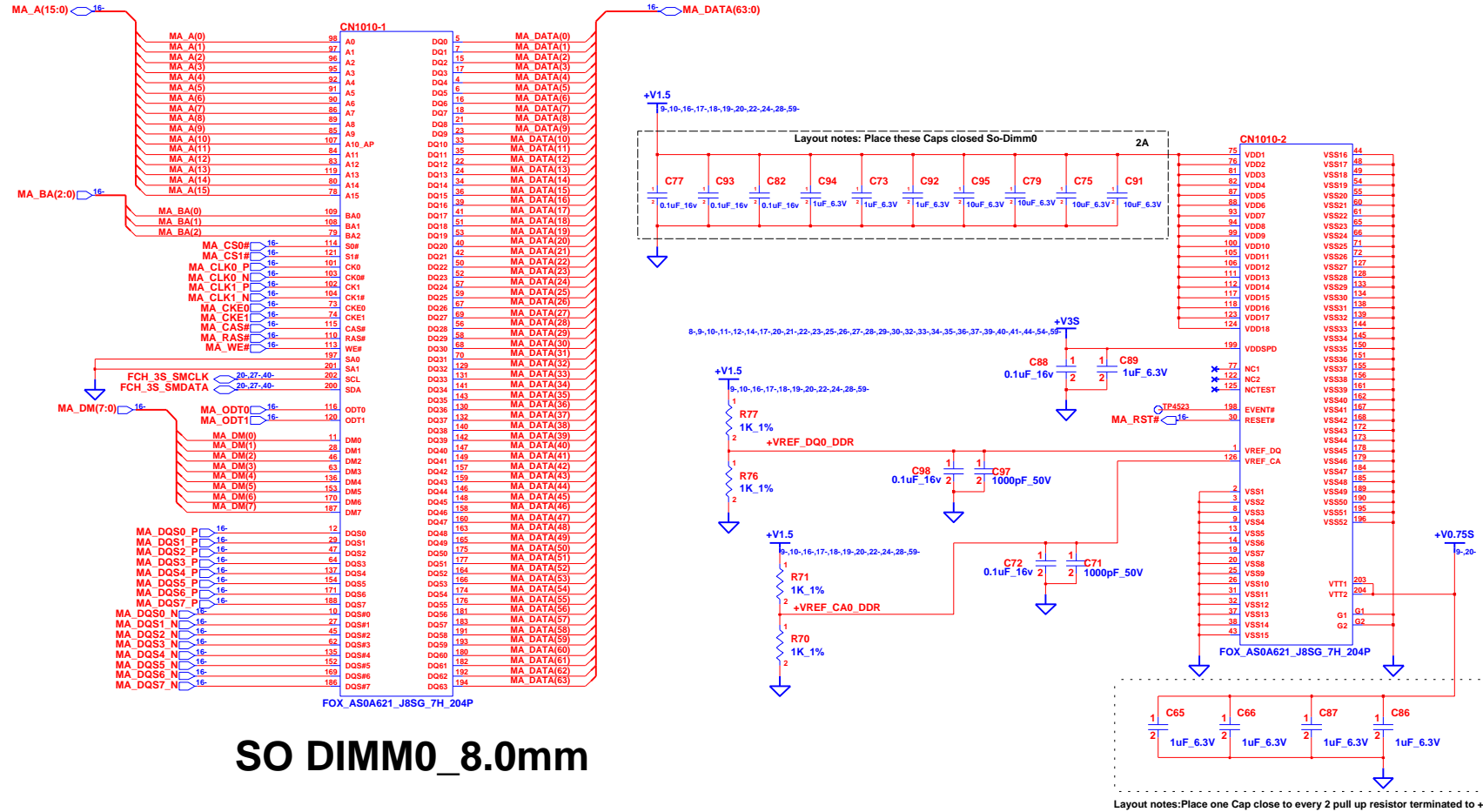
SHEET: 16 OF 59

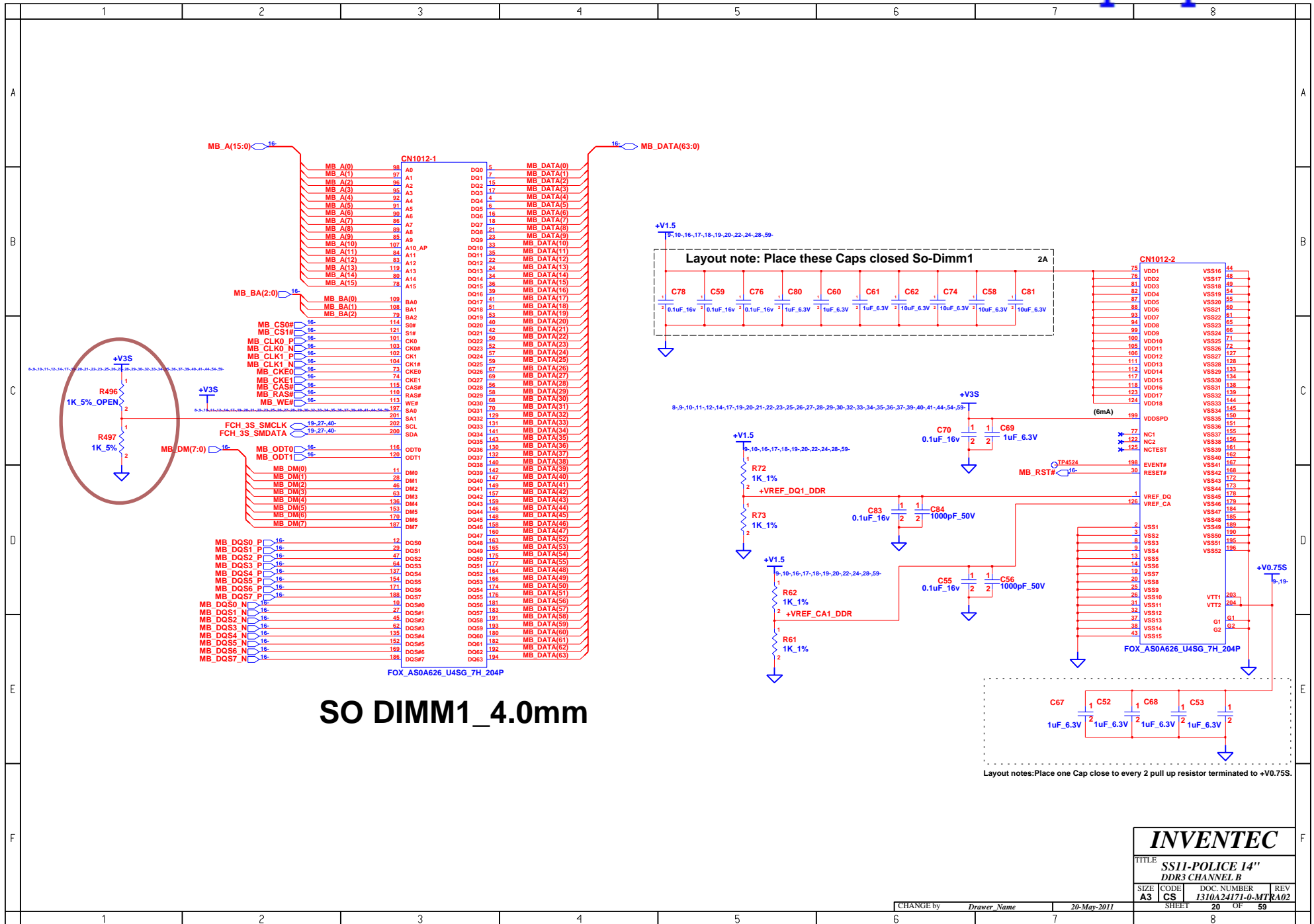
CHANGE by: Drawer Name 20-May-2011

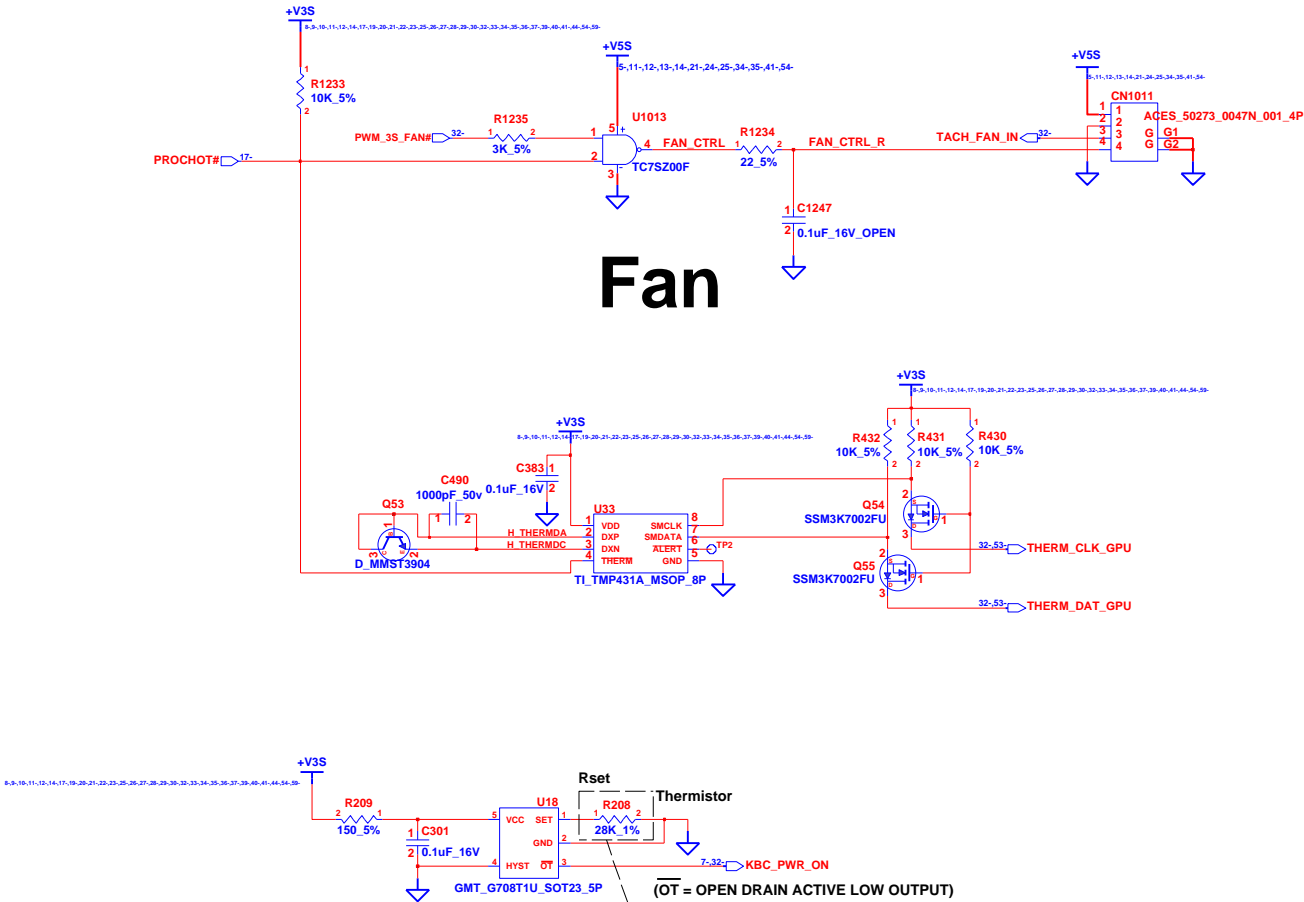








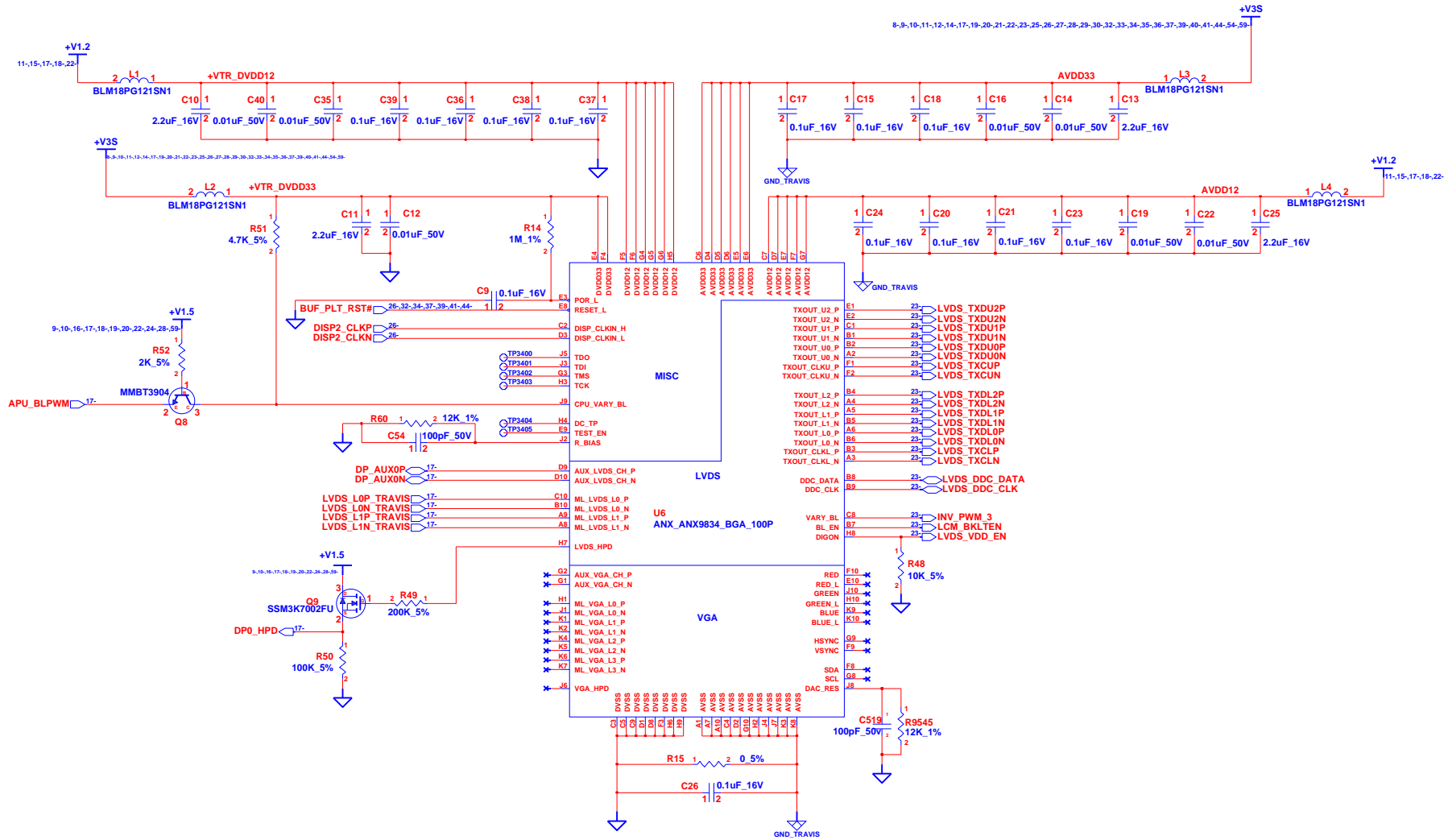




Thermal shutdown at 78 °C.  
 $R_{set} \text{ (K ohm)} = 0.0012T - 0.9308T + 96.147$   
(85 °C: 24Kohm)

# Temperature switch

INVENTEC			
TITLE SS11-POLICE 14" Thermal & Fan			
SIZE A3	CODE CS	DOC. NUMBER I310A24171-0-MTR	REV A02
CHANGE by Drawer Name		20-May-2011	
SHEET		21	OF 59



# Travis (DP to LVDS)

**INVENTEC**

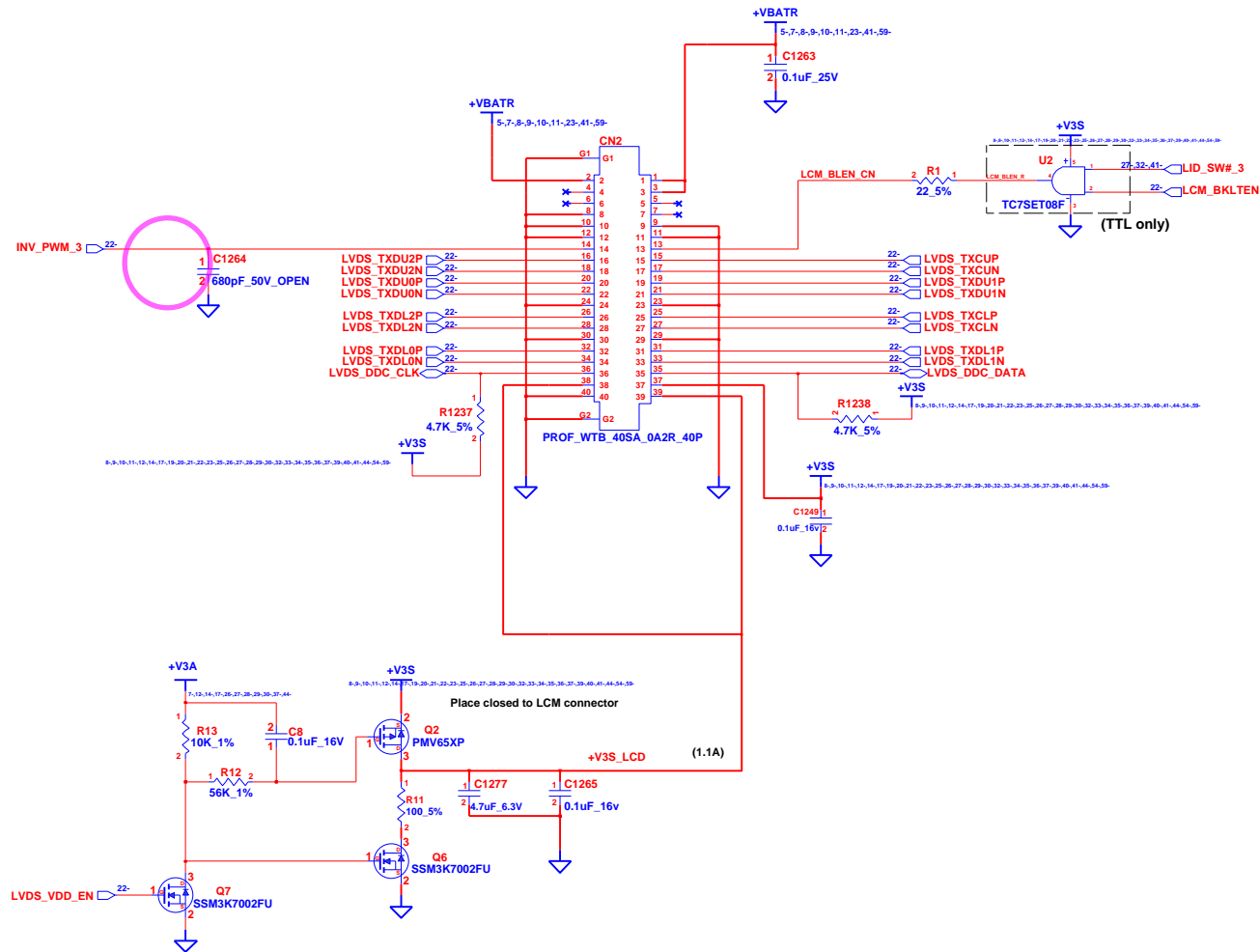
TITLE  
SS11-POLICE 14"  
Travis (DP to LVDS)

SIZE A3	CODE CS	DOC. NUMBER I310A24171-0-MTR	REV A02
------------	------------	---------------------------------	------------

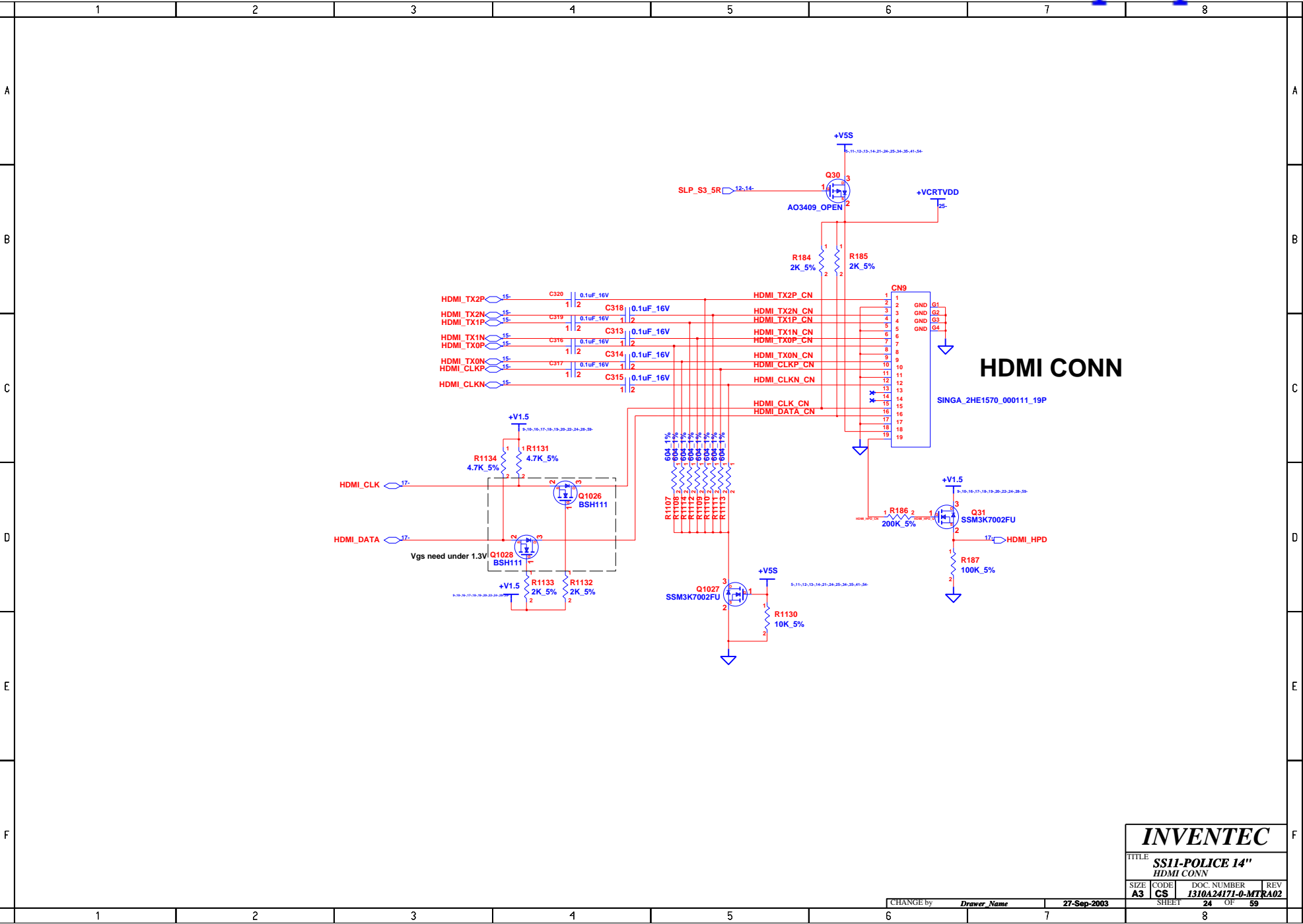
CHANGE by *Drawer Name* 20-May-2011

SHEET 22 OF 59

# LCD



INVENTEC			
TITLE: SS11-POLICE 14" LCD			
SIZE: A3	CODE: CS	DOC. NUMBER: I310A24171-0-MTR	REV: A02
CHANGE by: Drawer Name		20-May-2011	SHEET 23 OF 59



INVENTEC

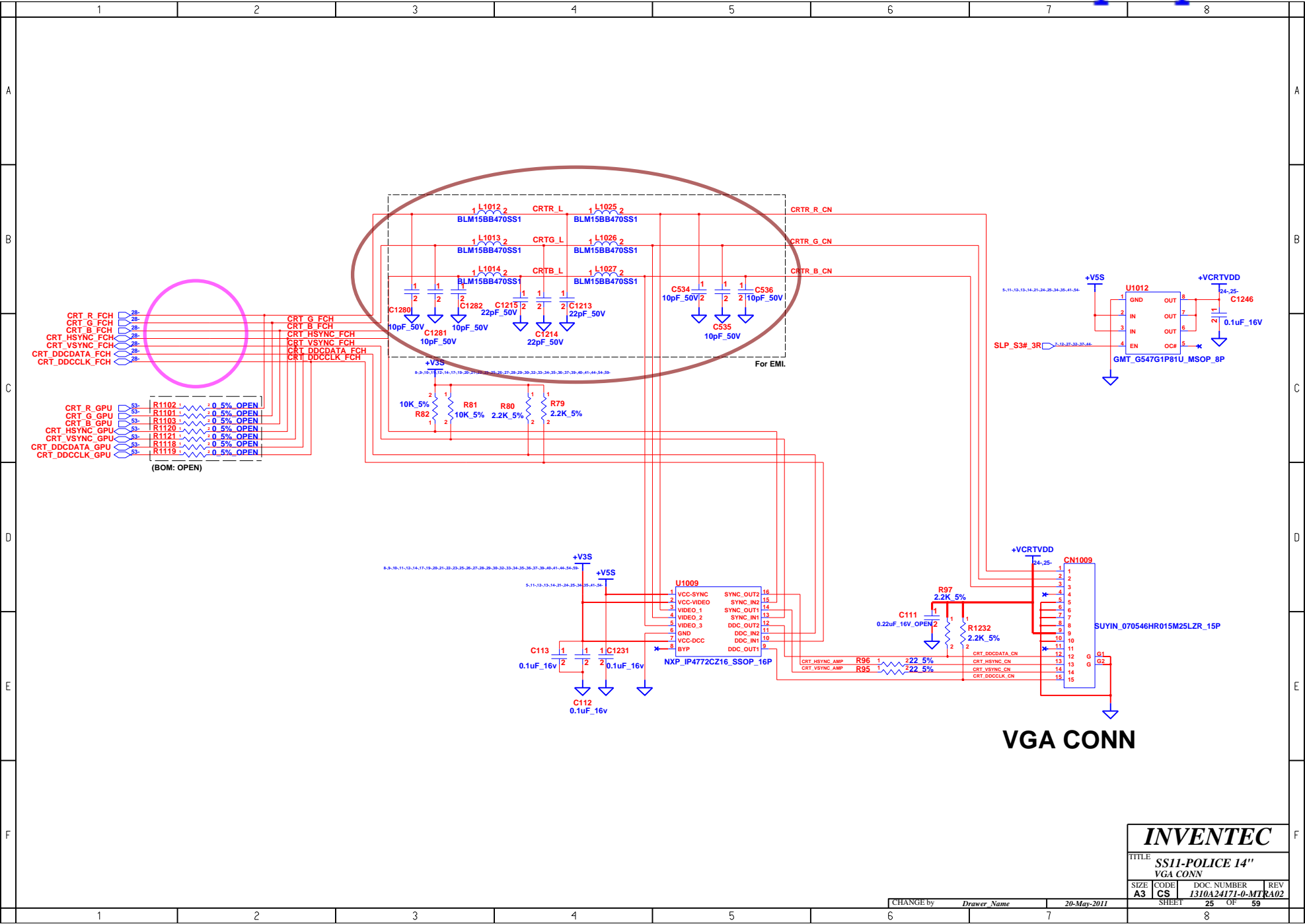
TITLE  
SS11-POLICE 14"  
HDMI CONN

SIZE A3	CODE CS	DOC. NUMBER I310A24171-0-MTR	REV A02
------------	------------	---------------------------------	------------

CHANGE by: *Drawn Name* 27-Sep-2003

SHEET 24 OF 59





INVENTEC

TITLE  
SS11-POLICE 14"  
VGA CONN

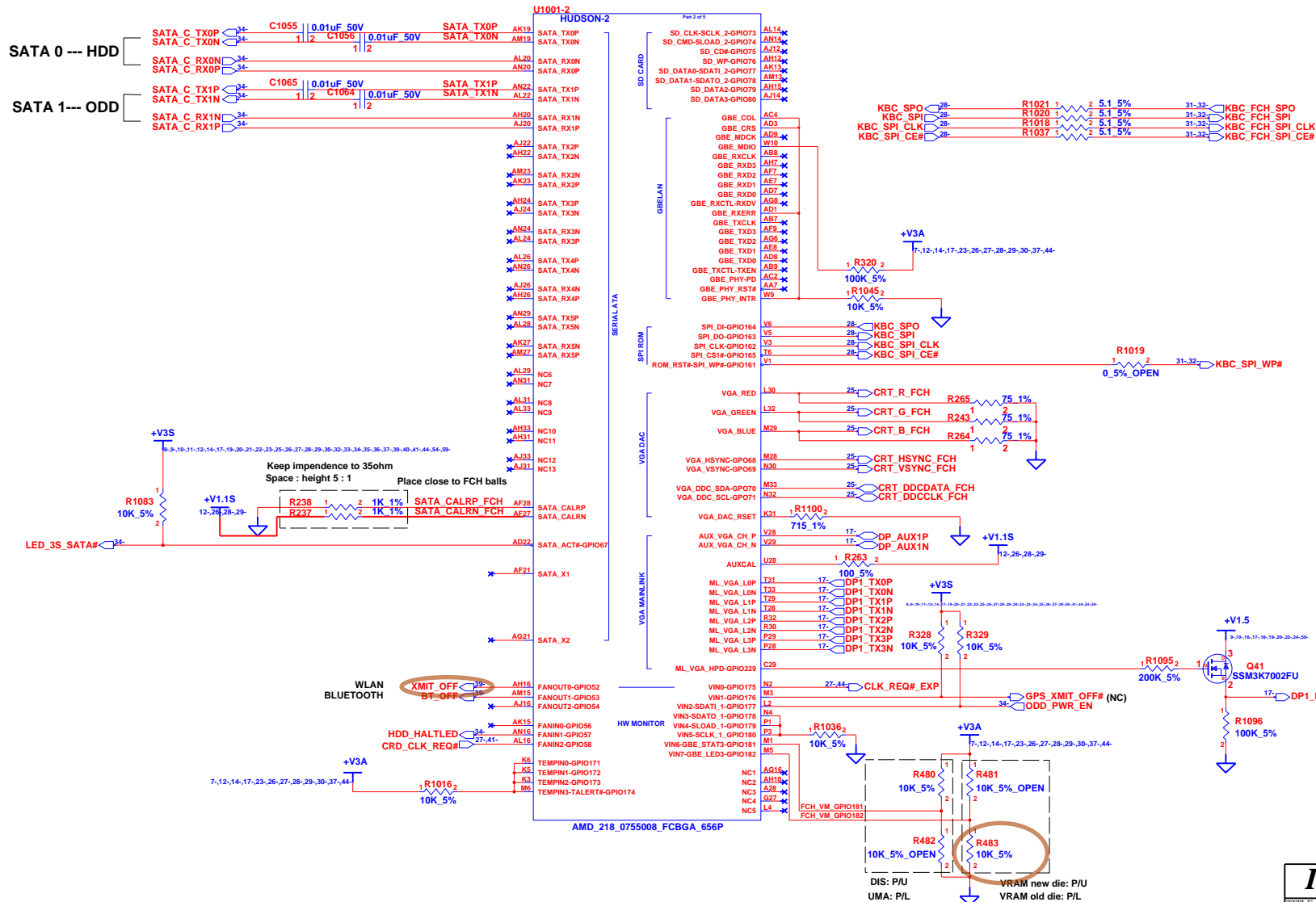
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	RA02

CHANGE by: Drawer Name 20-May-2011

SHEET 25 OF 59





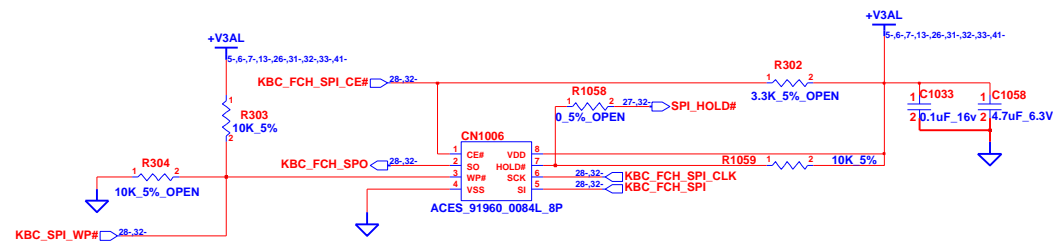






**SPI Socket P/N:6026B0150101**  
**SPI ROM P/N:6019B0614401**

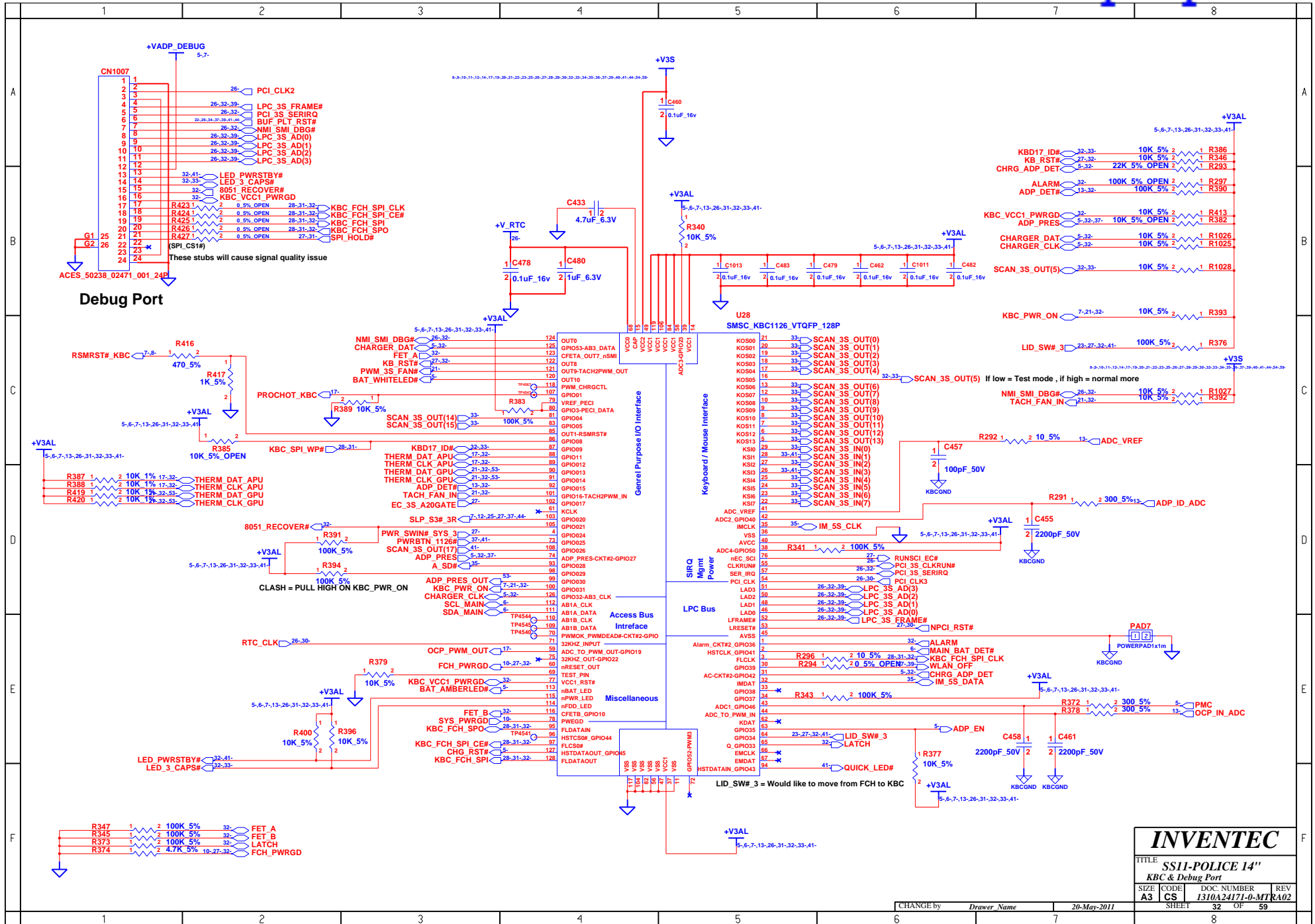
**SPI ROM P/N:6019B0614401**



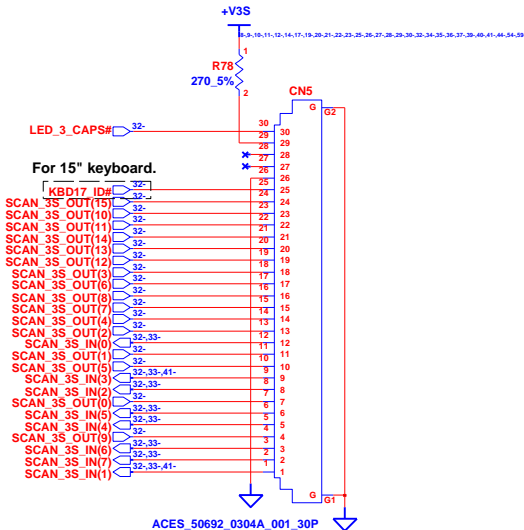
TITLE			
<b><i>SS11-POLICE 14"</i></b> <b><i>BIOS ROM (SPI)</i></b>			
SIZE	CODE	DOC. NUMBER	REV
<b>A3</b>	<b>CS</b>	<b>1310A24171-0-MTR</b>	<b>A02</b>
SHEET		31	OF 59

CHANGE by	<i>Drawer_Name</i>	<i>20-May-2011</i>
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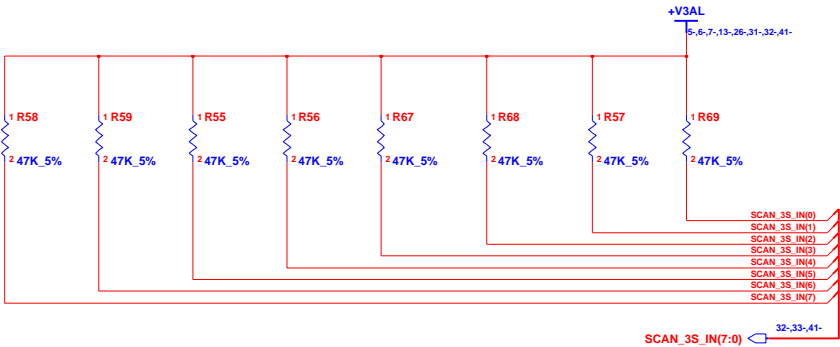
CS	1310A24171-0-M1R		
SHEET	31	OF	59







# Keyboard CONN



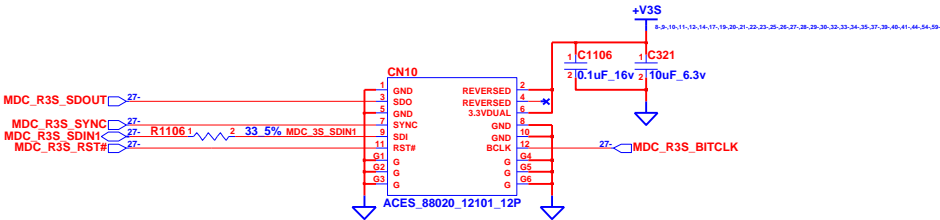
INVENTEC			
TITLE			
SS11-POLICE 14"			
Keyboard CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	RA02
CHANGE by		20-May-2011	
Drawer Name			
SHEET		33	OF 59

# SATA ODD

## SATA LED & HDD-Halted LED

<b>INVENTEC</b>			
TITLE <b>SS11-POLICE 14"</b> SATA HDD & ODD CONN			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A24171-0-MTRA02</b>	REV
SHEET		34 OF	59



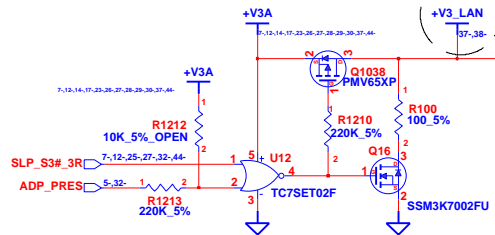
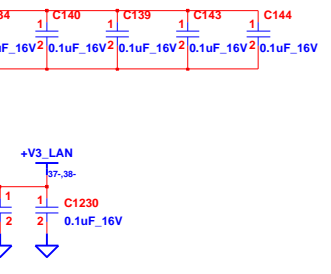


MODEM

INVENTEC			
TITLE SS11-POLICE 14" MDC CONN			
SIZE A3	CODE CS	DOC. NUMBER 1310A24171-0-MTR	REV A02
CHANGE by Drawer Name		20-May-2011	SHEET 36 OF 59

+V3\_LAN rising time: 1ms ~ 100ms.

Placed near LAN Controller

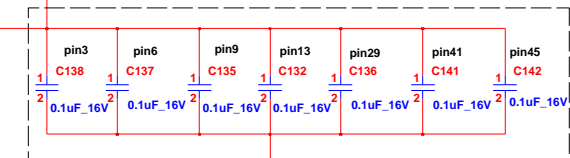


LED\_3S\_LANLINK# (FCH)  
LED\_3S\_LANACT#\_NIC (LED)  
LED\_3S\_LANLINK#\_NIC (LED)

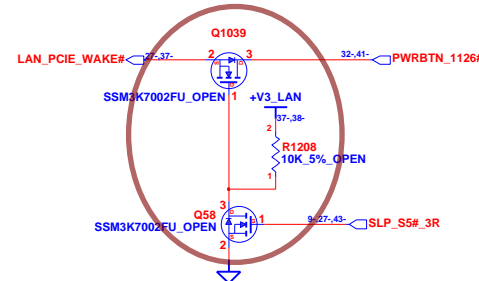
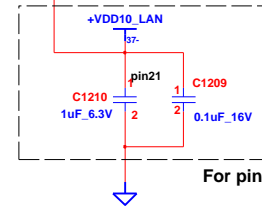
Close to Host.

Placed near LAN Controller

C7082 to C7091 are +VDD10 pins- 3, 6, 9, 13, 29, 41, 45



For pin21



**INVENTEC**

TITLE: **SS11-POLICE 14"**  
Giga LAN Controller

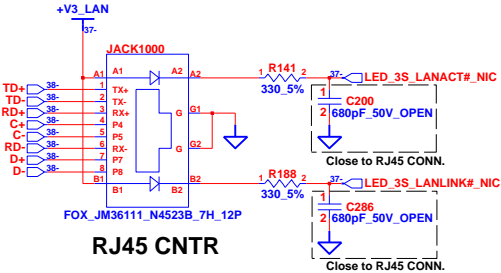
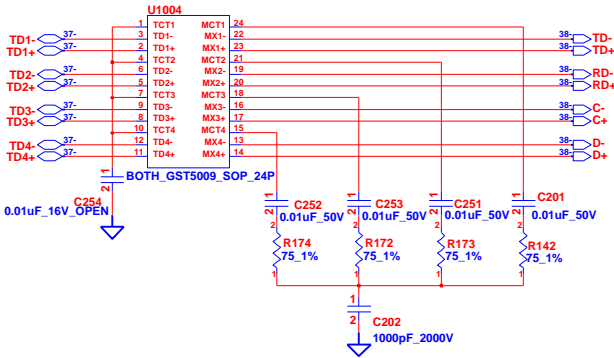
SIZE: A3 CODE: CS DOC. NUMBER: 1310A24171-0-MTR REV: A02

CHANGE by: Drawer Name 20-May-2011

SHEET 37 OF 59

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



INVENTEC

TITLE SS11-POLICE 14" Transformer & RJ45 CONN

SIZE CODE DOC NUMBER REV  
A3 CS 1310A24171-0-MTR A02

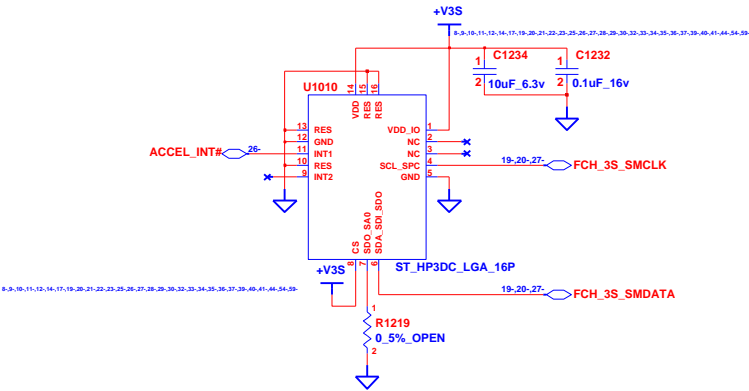
CHANGE by Drawer Name 20-May-2011

SHEET 38 OF 59

TITLE			
<b>SS11-POLICE 14"</b> <b>MINI CARD (WLAN)</b>			
SIZE	CODE	DOC. NUMBER	REV
<b>A3</b>	<b>CS</b>	<b>1310A24171-0-MTRA02</b>	
SHEET		39	OF 59

CHANGE by	<i>Drawer Name</i>	<i>20-May-2011</i>
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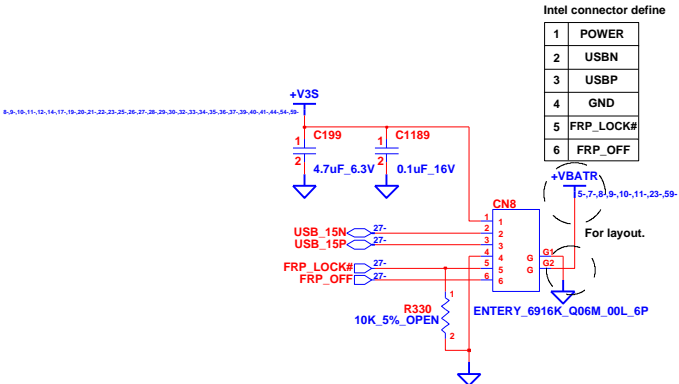
CS 1310A24171-0-M1K  
SHEET 39 OF 59



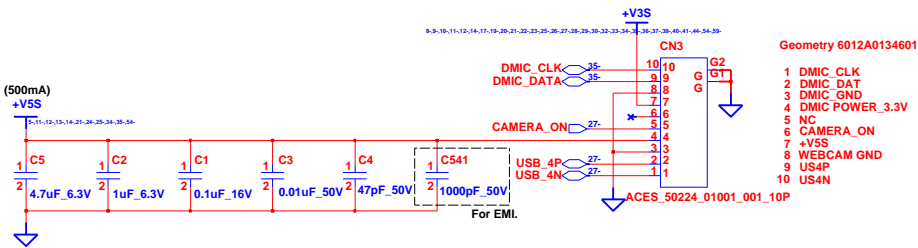
Accelerometer

INVENTEC			
TITLE SS11-POLICE 14" ACCELEROMETER			
SIZE A3	CODE CS	DOC. NUMBER 1310A24171-0-MTR	REV A02
CHANGE by Drawer Name		20-May-2011	SHEET 40 OF 59

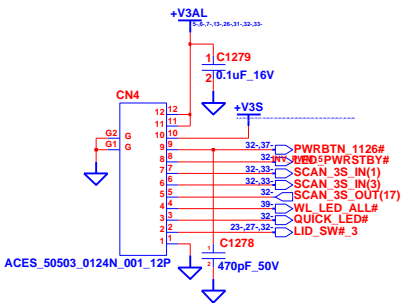




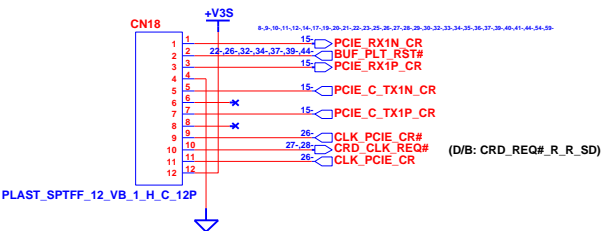
Finger Printer CONN



DMIC / WebCAM



PWR & Quick Launch B/B CONN



CardReader B/B CONN

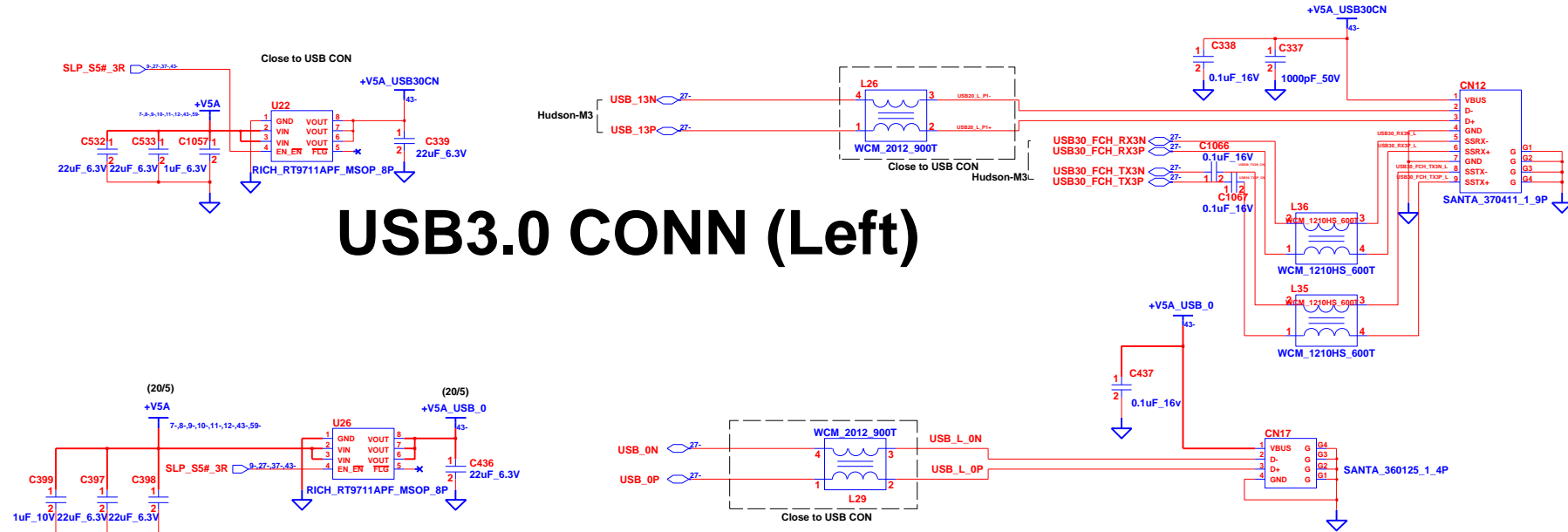
Wait for new P/N & S/G.

INVENTEC			
TITLE SS11-POLICE 14"			
PWR & FP & Launch & Web/DMIC CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A24171-0-MTR	A02
SHEET		41	OF 59

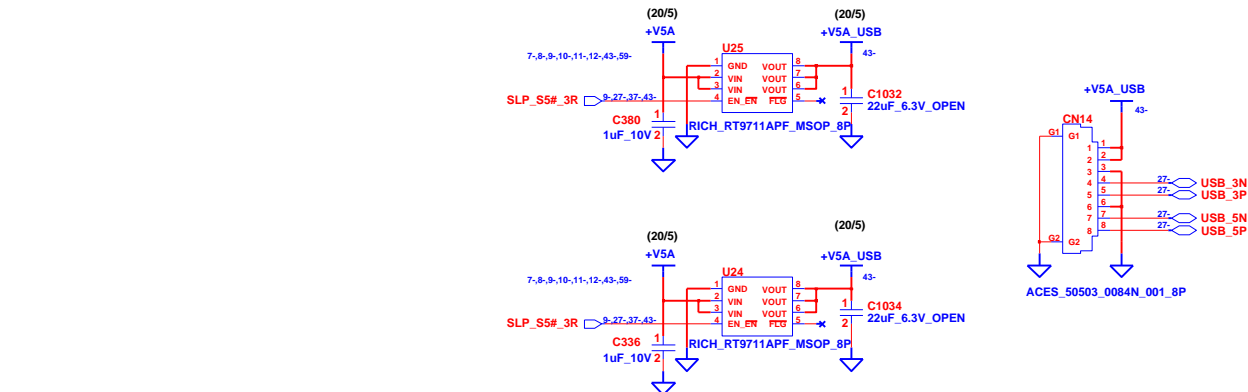
	1	2	3	4	5	6	7	8	
A	<div>Blank</div>								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

INVENTEC			
TITLE SS11-POLICE 14" Blank			
SIZE A3	CODE CS	DOC. NUMBER 1310A24171-0-MTR	REV A02
CHANGE by Drawer Name		20-May-2011	
SHEET 42		OF 59	

## USB3.0 CONN (Left)



## USB CONN (Left)

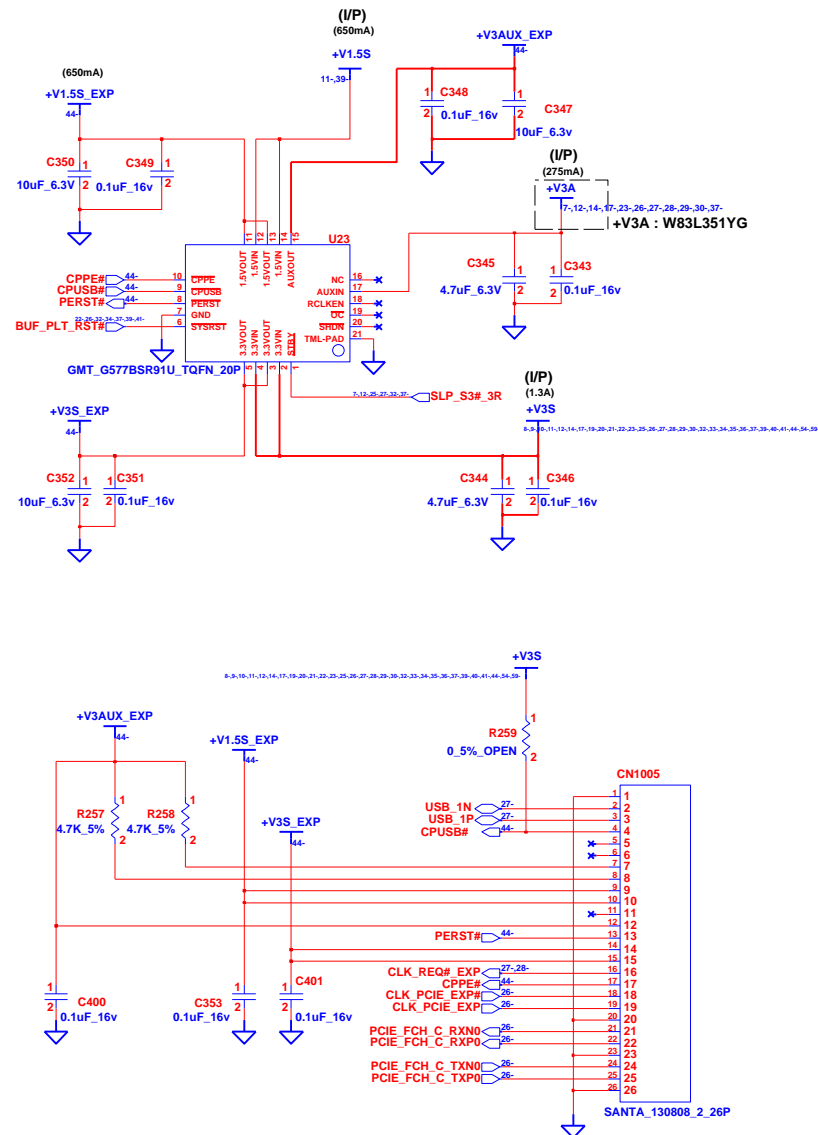
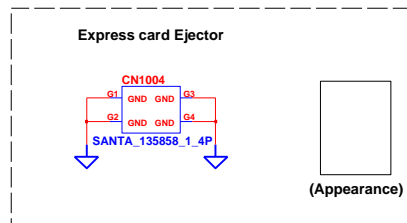


## USB B/B CONN (MB Right side)

INVENTEC			
TITLE: SS11-POLICE 14" USB3.0 & USB2.0 CONN			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A24171-0-MTR	REV: A02
SHEET: 43		OF: 59	

CHANGE by: Drawer Name 20-May-2011

# Express card



INVENTEC			
TITLE SS11-POLICE 14" Express Card			
SIZE A3	CODE CS	DOC. NUMBER 1310A24171-0-MTR	REV A02
CHANGE by Drawer Name		20-May-2011	
SHEET 44		OF 59	



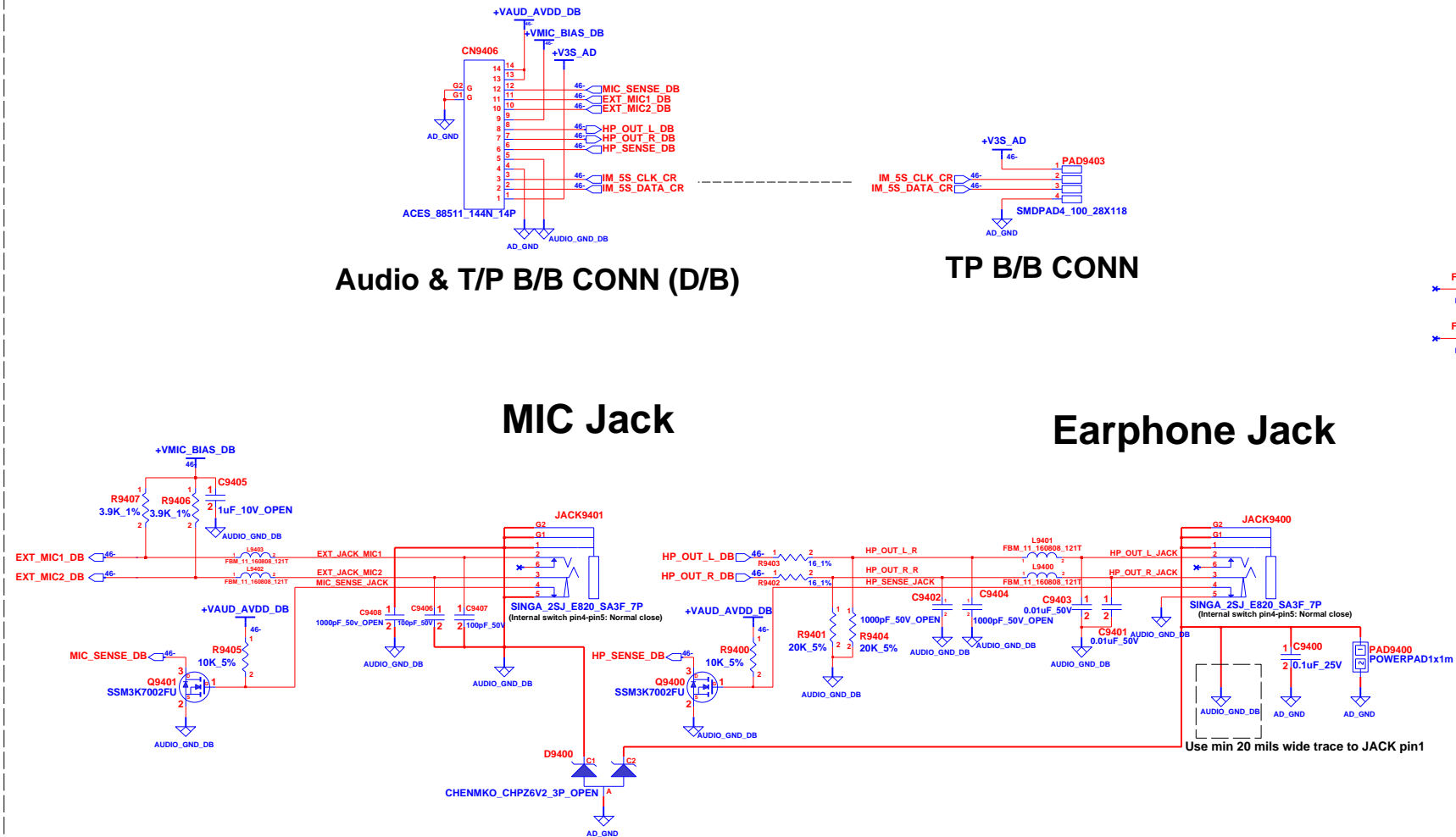
Audio & T/P B/B CONN (D/B)

TP B/B CONN

MIC Jack

Earphone Jack

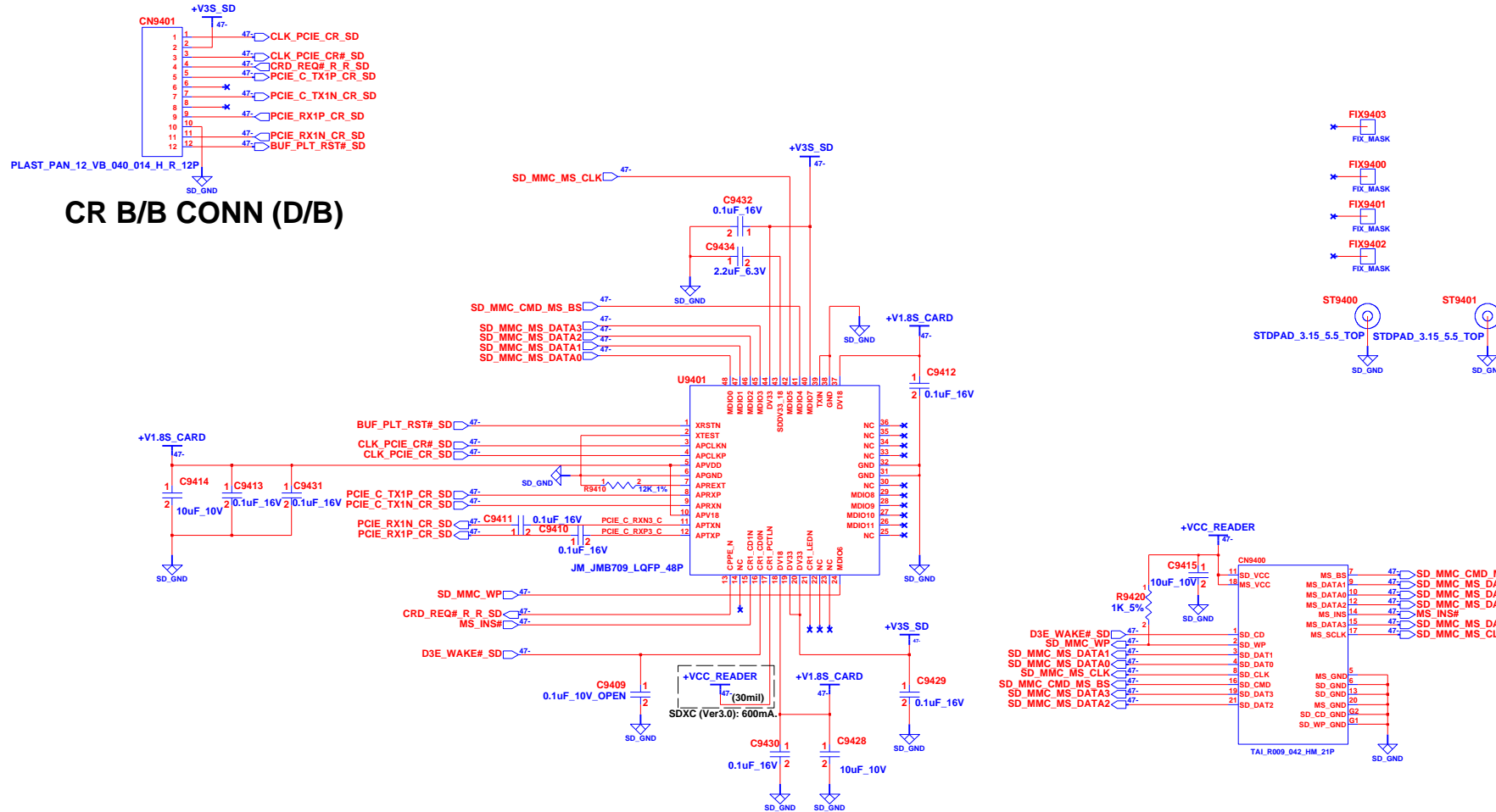
FIX9604  
FIX\_MASK  
FIX9605  
FIX\_MASK



Audio jack board

INVENTEC			
TITLE: SS11-POLICE 14"			
Audio jack board			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A24171-0-MTR	A02
SHEET		46	OF 59

CHANGE by: Drawer Name 20-May-2011



# 3in1 Card Reader board

(SD, MMC, MS)

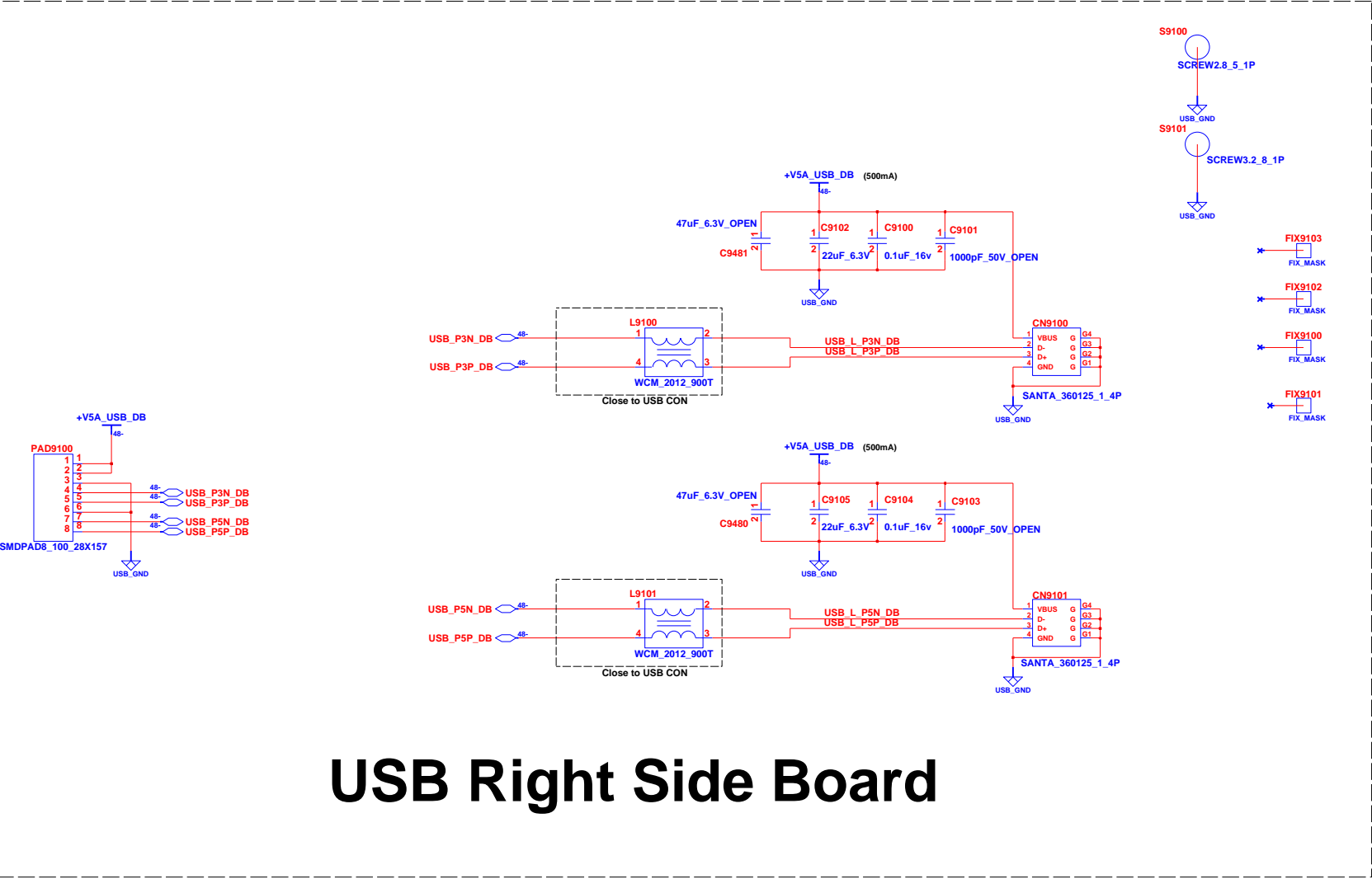
**INVENTEC**

TITLE: **SS11-POLICE 14"**  
3in1CardReader daughter board

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	RA02

CHANGE by: *Drawer Name* 20-May-2011

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# USB Right Side Board

INVENTEC

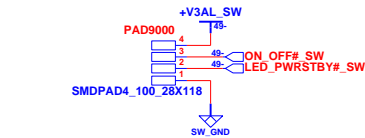
SS11-POLICE 14"  
USB Board (Right side)

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	A02

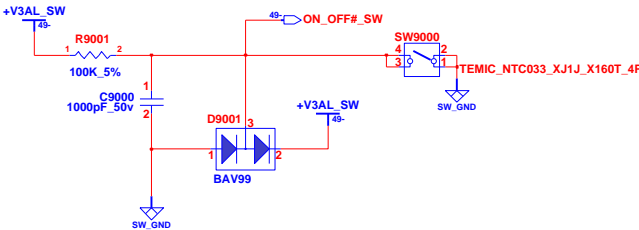
CHANGE by *Drawer Name* 20-May-2011

SHEET 48 OF 59

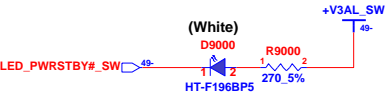




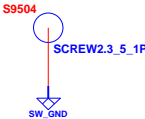
Power Switch B/B CONN



Power Button



Power / Standby LED



Power Button Board

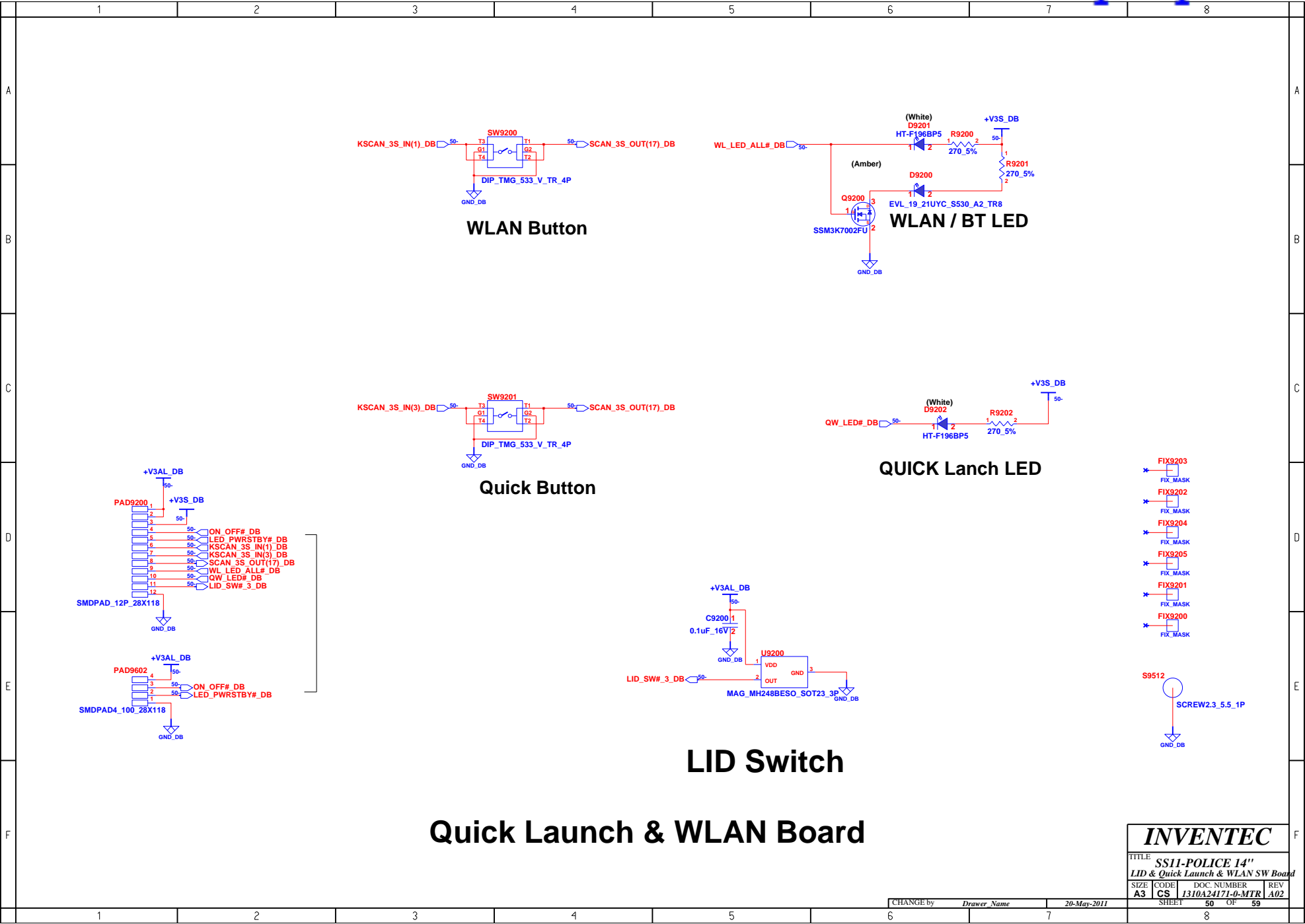
INVENTEC

TITLE  
SS11-POLICE 14"  
Power Button Board

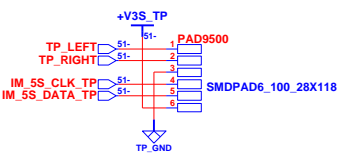
SIZE A3	CODE CS	DOC. NUMBER 1310A24171-0-MTR	REV A02
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CHANGE by *Drawer Name* 20-May-2011

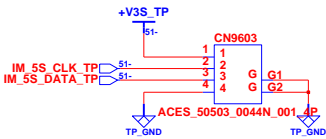
SHEET 49 OF 59



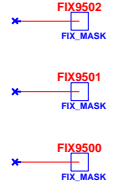
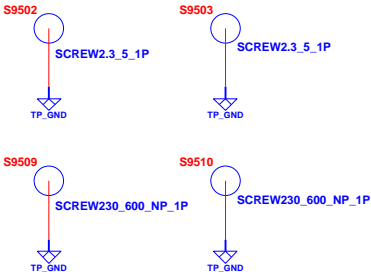
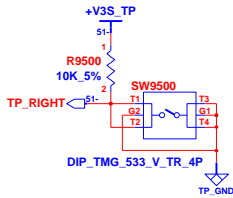
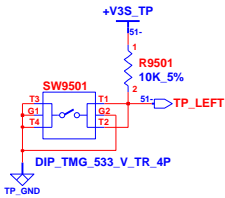
INVENTEC			
TITLE SS11-POLICE 14"			
LID & Quick Launch & WLAN SW Board			
SIZE A3	CODE CS	DOC. NUMBER 1310A24171-0-MTR	REV A02
CHANGE by		Drawer Name	20-May-2011
SHEET 50		OF 59	



Left Button

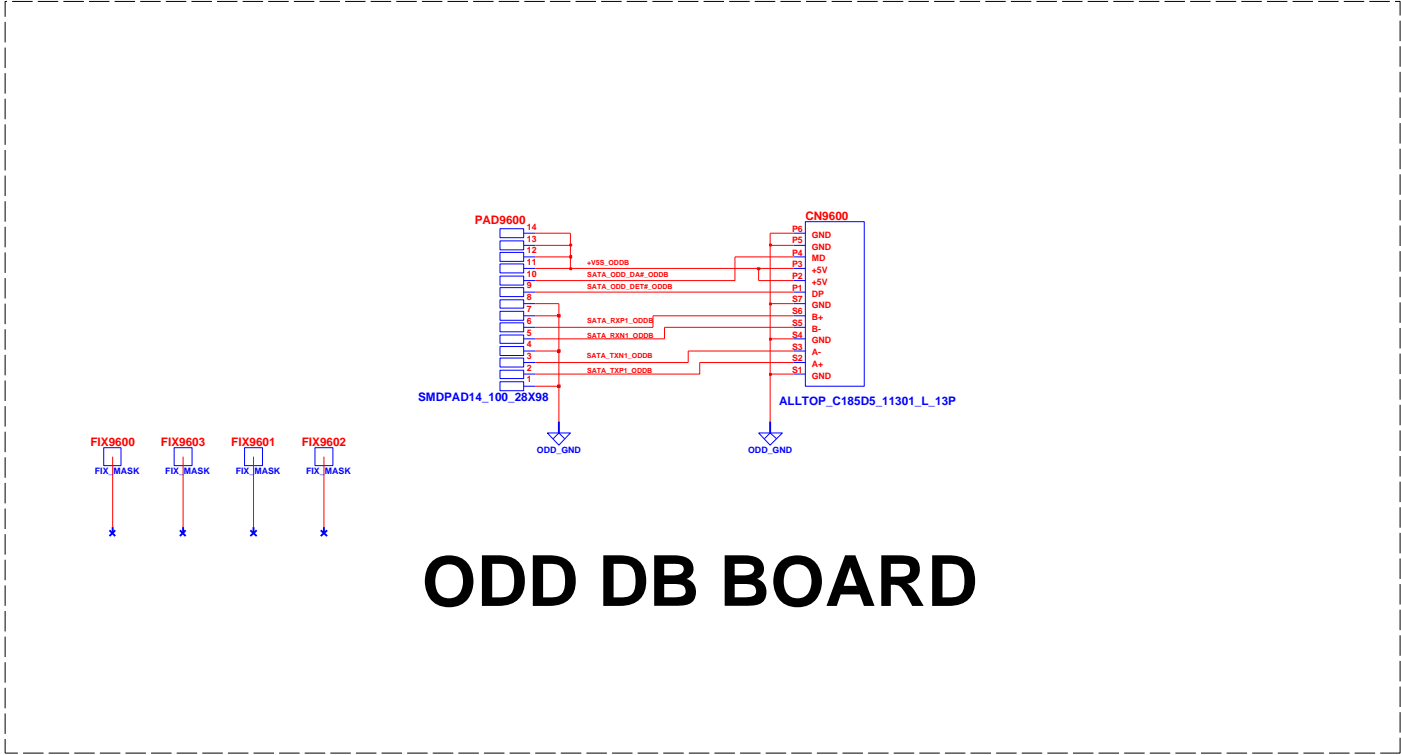


Right Button



Pick Button Board

INVENTEC			
TITLE			
SS11-POLICE 14"			
Pick Button Board			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	A02
CHANGE by		20-May-2011	
Drawer Name			
SHEET		51	OF 59



ODD DB BOARD

INVENTEC			
TITLE			
SS11-POLICE 14"			
ODD daughter board			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	A02
SHEET		52	OF 59

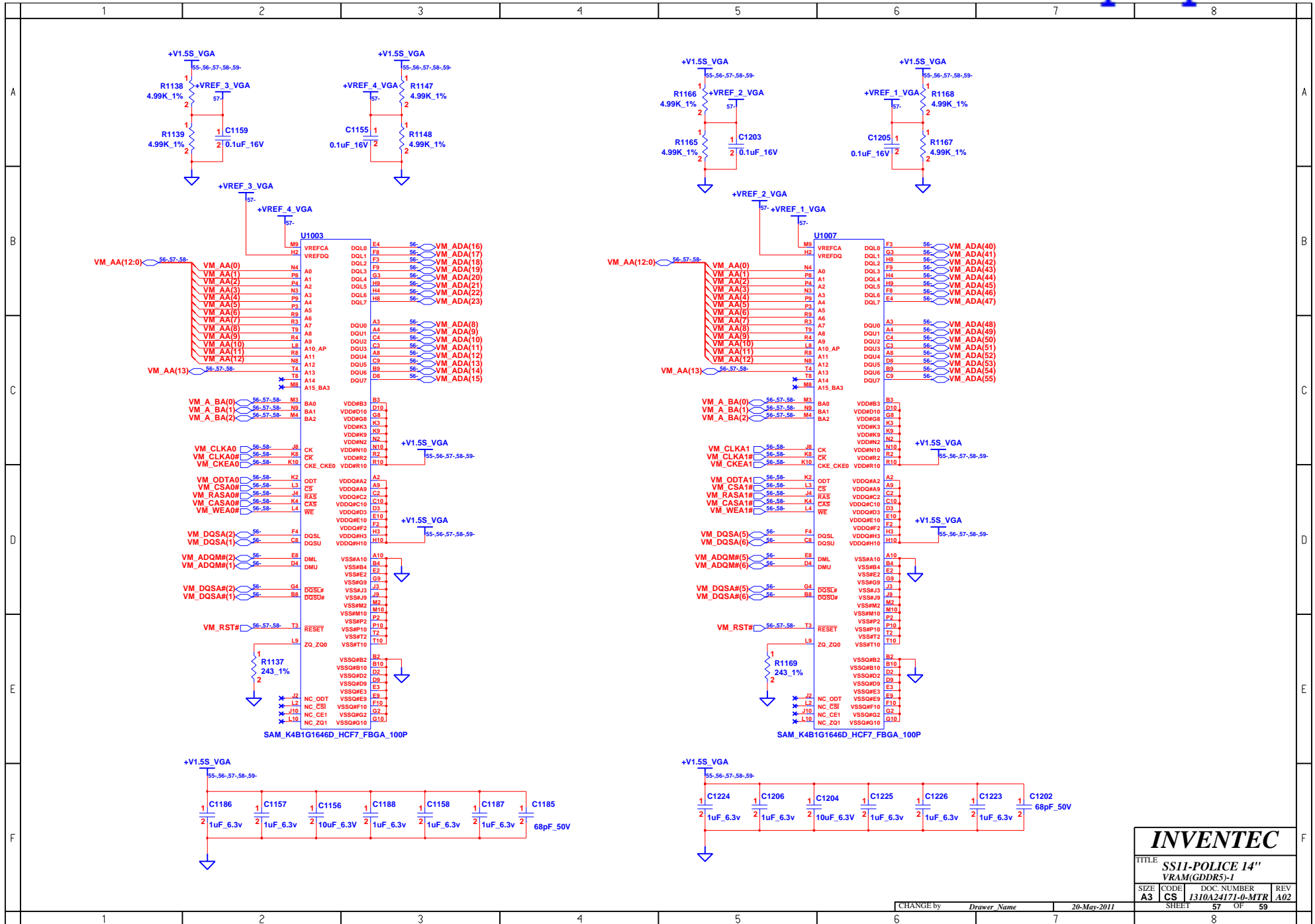












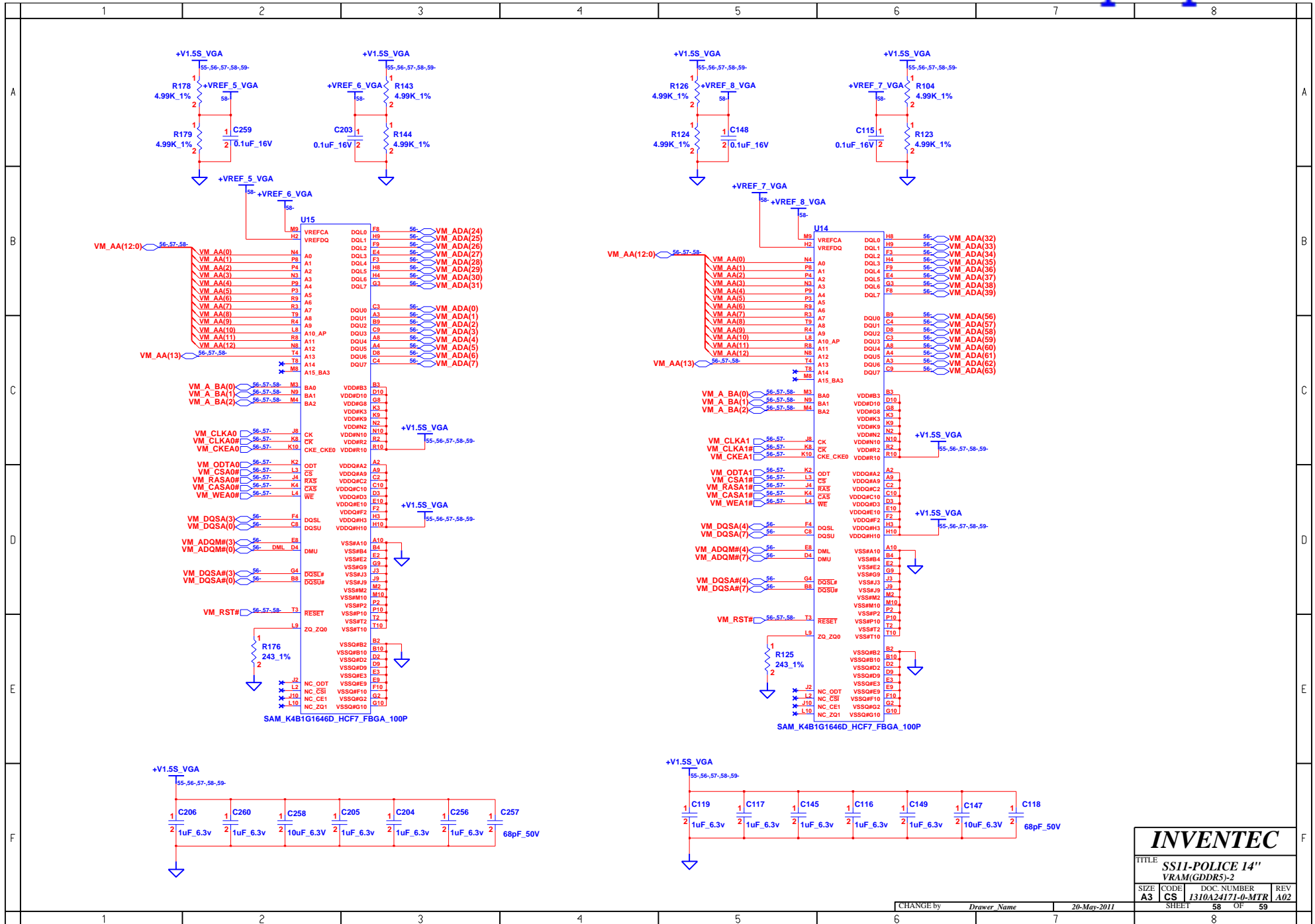
**INVENTEC**

TITLE  
SS11-POLICE 14"  
VRAM(GDDR5)-1

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	A02

CHANGE by Drawer Name 20-May-2011

SHEET 57 OF 59



**INVENTEC**

TITLE  
SS11-POLICE 14"  
VRAM(GDDR5)-2

SIZE CODE DOC. NUMBER REV  
A3 CS 1310A24171-0-MTR A02

CHANGE by Drawer Name 20-May-2011

SHEET 58 OF 59

**+V3S\_VGA -> +VDD\_CORE -> +VPCIE -> +V1.5S\_VGA -> +V1.8S\_VGA**

POW_SW1	POW_SW0	+VDD_CORE
0	0	1.10 V
0	1	1.05 V
1	0	1.00 V
1	1	0.90 V

<b>INVENTEC</b>			
TITLE <b>SS11-POLICE 14"</b> <i>VGA Power</i>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A24171-0-MTR</b>	REV <b>A02</b>
SHEET <b>59</b>		OF <b>59</b>	