

	1	2	3	4	5	6	7	8																																																																															
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	HSF Property : Halogen-Free																																																																																						
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F									F																																																																														
<div><div>SS11 AMD Muxless POLICE 14" (VM-DDR3) Llano FS1/Hudson M3 MV build (A02) - Final 2011.05.23</div></div>																																																																																							
<table><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td>DATE</td><td>CHANGENO.</td><td>REV</td></tr></table>																											DATE	CHANGENO.	REV	<table><tr><td>DRAWER</td><td>EE</td><td>DATE</td><td>POWER</td><td>DATE</td><td rowspan="4">INVENTEC</td></tr><tr><td>DESIGN</td><td></td><td></td><td></td><td></td></tr><tr><td>CHECK</td><td></td><td></td><td></td><td></td></tr><tr><td>RESPONSIBLE</td><td></td><td></td><td></td><td></td></tr><tr><td colspan="5">SIZE = 3</td><td>VER :</td><td>SIZE</td><td>CODE</td><td>DOC. NUMBER</td><td>REV</td></tr><tr><td colspan="5">FILE NAME : XXXX-XXXXXX-XX</td><td></td><td>A3</td><td>CS</td><td>I310A24171-0-MTR</td><td>A02</td></tr><tr><td colspan="5">P/N XXXXXXXXXXXX</td><td></td><td colspan="4">SHEET 1 OF 59</td></tr></table>							DRAWER	EE	DATE	POWER	DATE	INVENTEC	DESIGN					CHECK					RESPONSIBLE					SIZE = 3					VER :	SIZE	CODE	DOC. NUMBER	REV	FILE NAME : XXXX-XXXXXX-XX						A3	CS	I310A24171-0-MTR	A02	P/N XXXXXXXXXXXX						SHEET 1 OF 59			
DATE	CHANGENO.	REV																																																																																					
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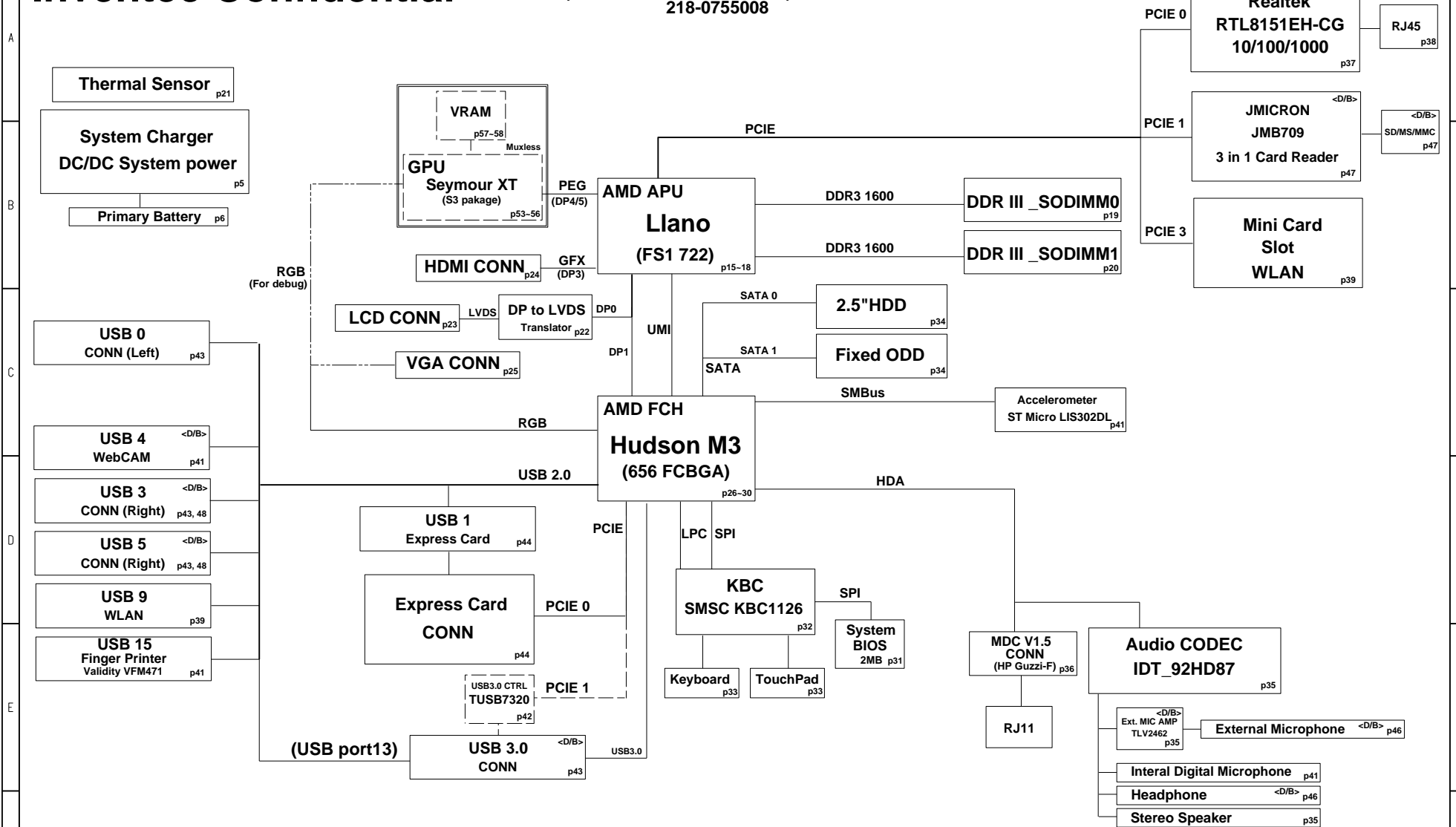
INVENTEC

TITLE SS11-POLICE 14"			
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SIZE A3	CODE CS	DOC. NUMBER 1310A24171-0-MTR	REV A02
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Inventec Confidential

**Hudson M3 (B SERIES : 6019B0775602)
218-0755008**

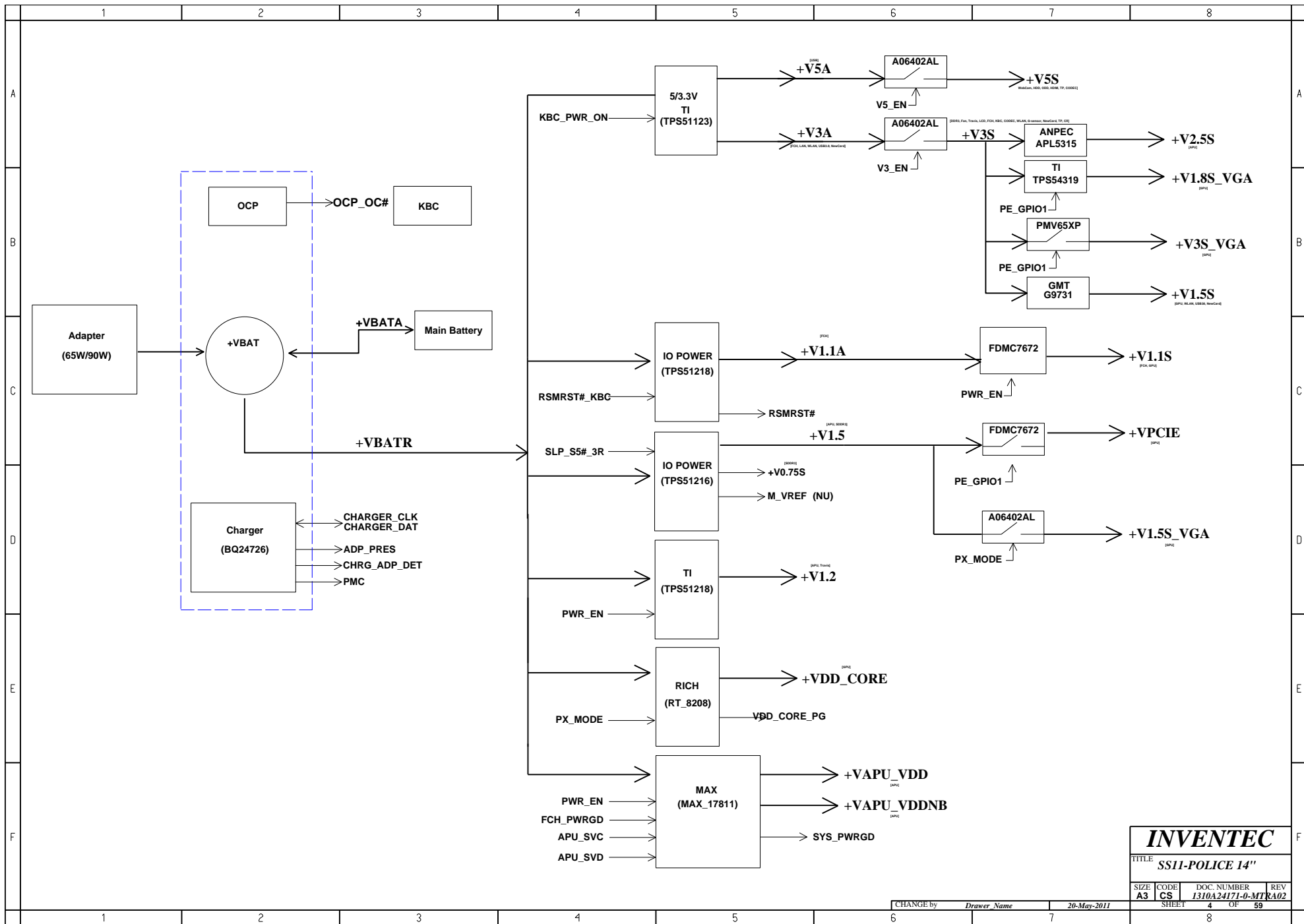
**INVENTEC**

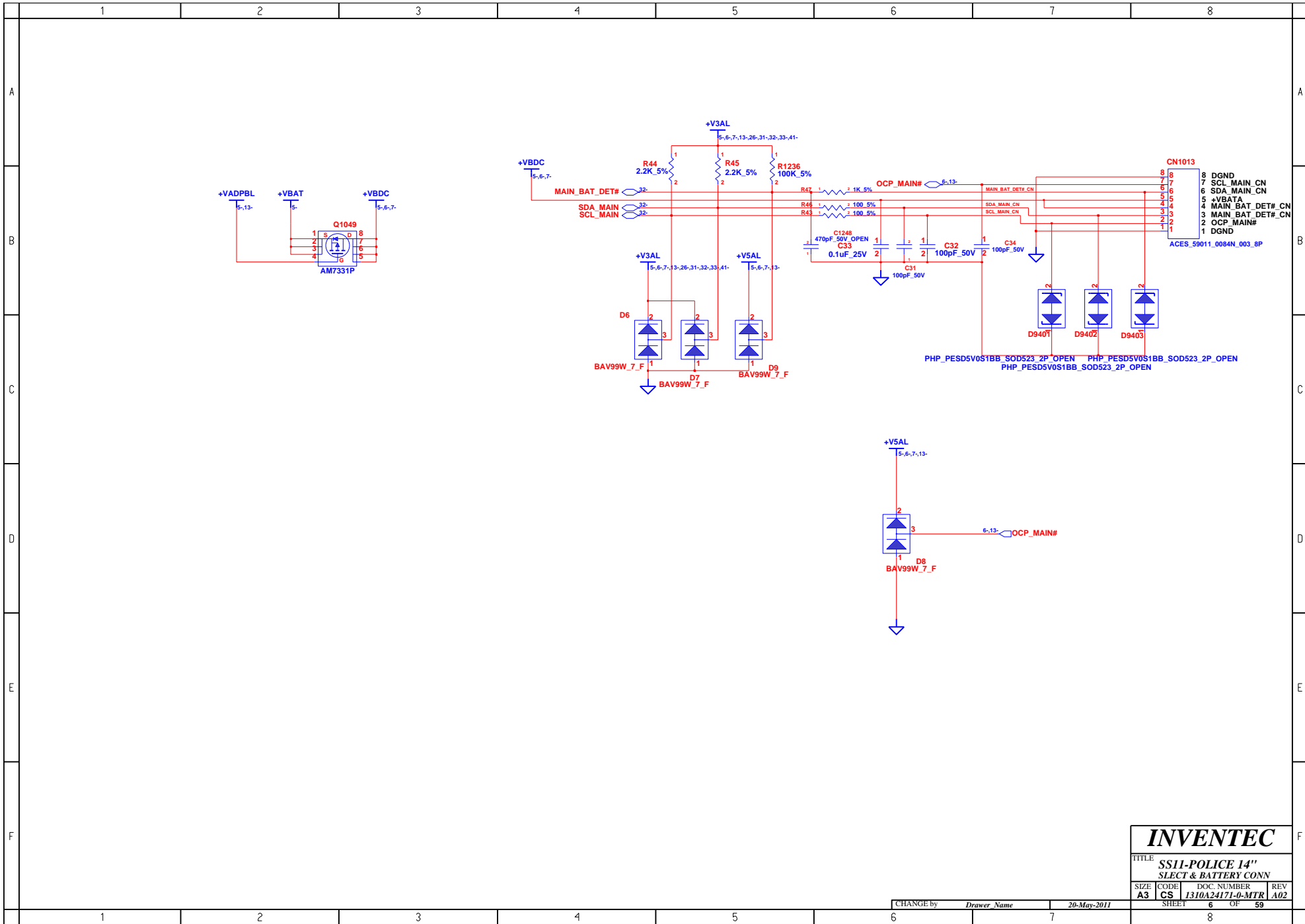
TITLE	<i>SS11-POLICE 14"</i>
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SIZE A3	CODE CS	DOC. NUMBER 1310A24171-0-MTRA02	REV
SHEET		3	OF 59

CHANGE by	<i>Drawer Name</i>	<i>20-May-2011</i>
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8





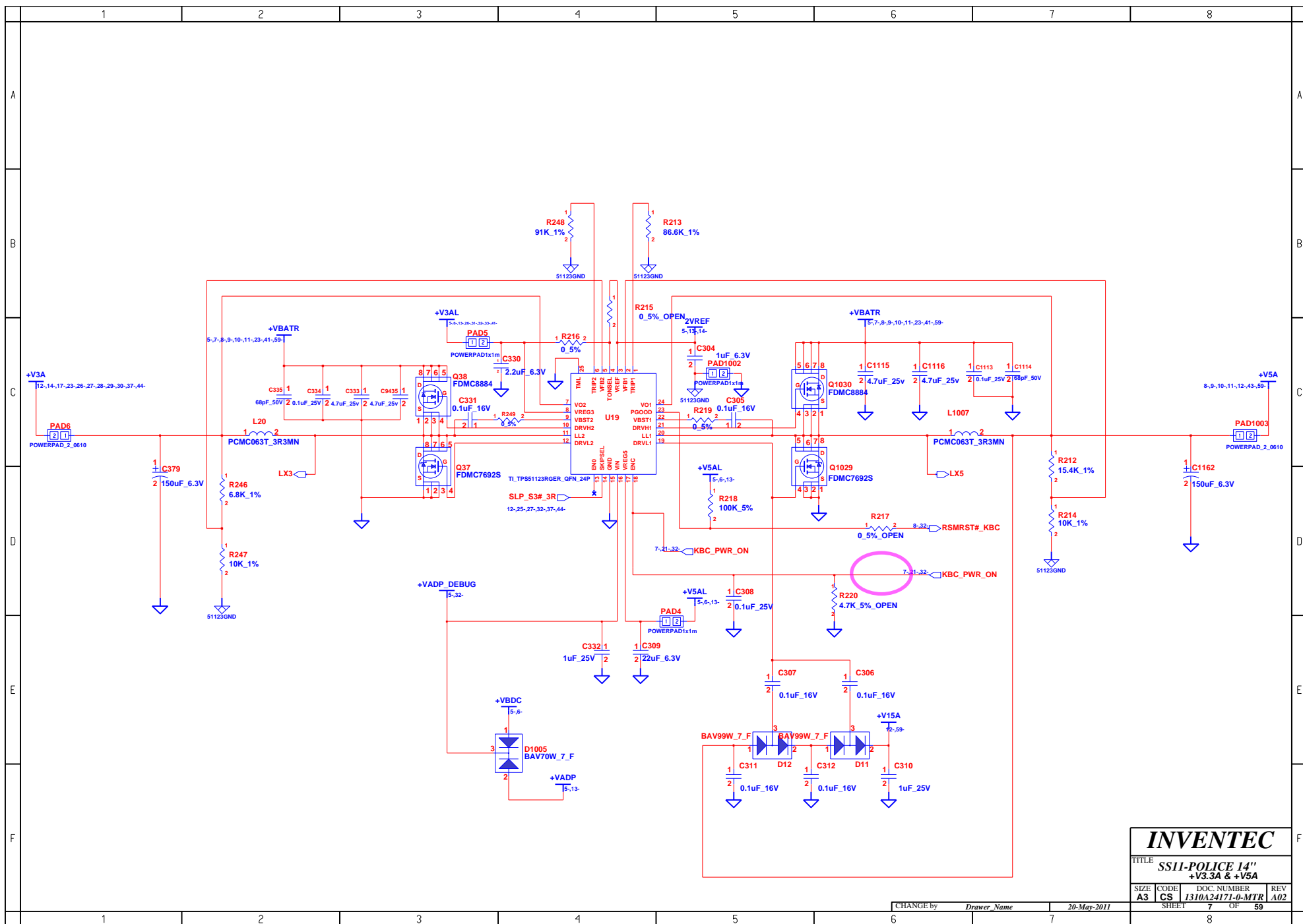
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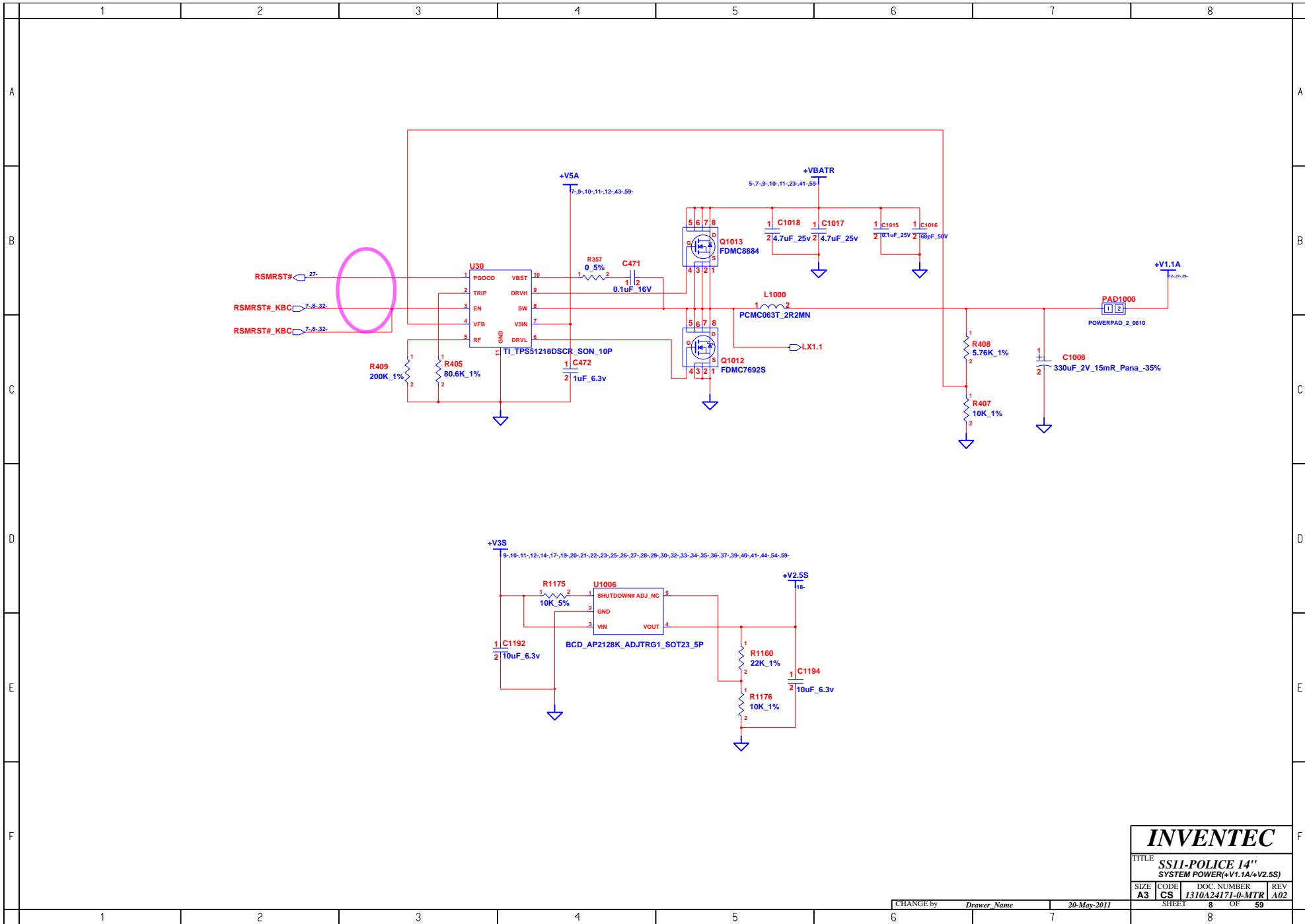
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SS11-POLICE 14"
SLECT & BATTERY CONN

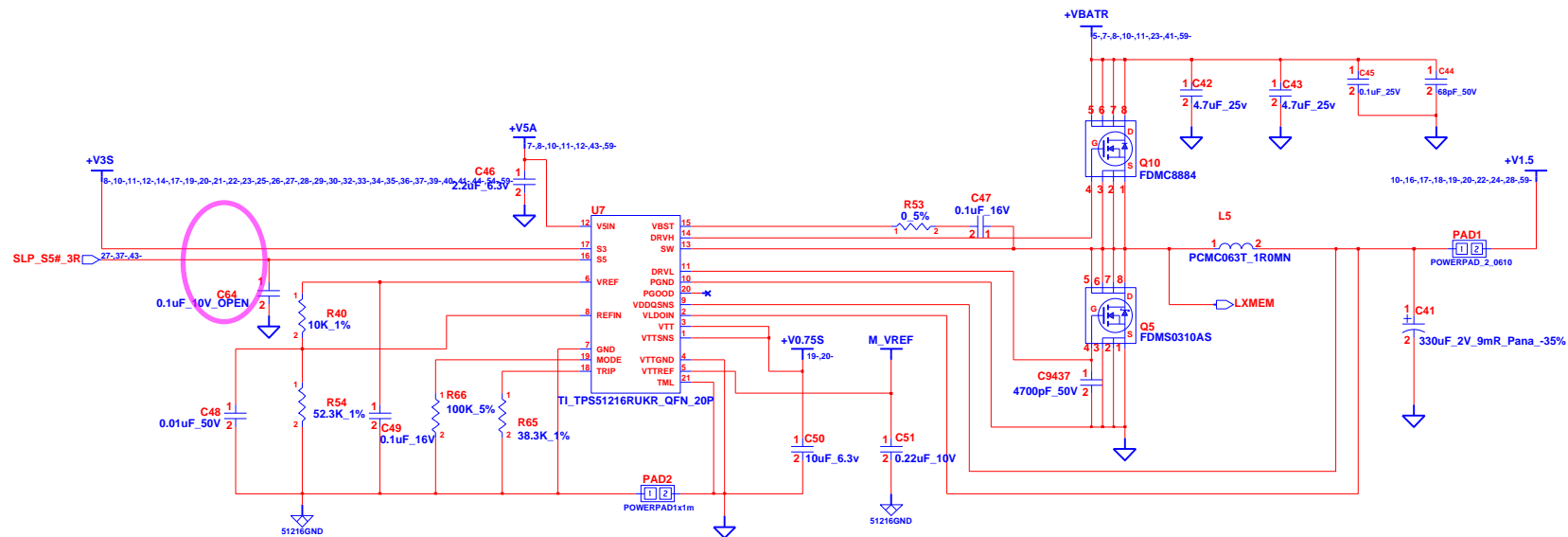
SIZE CODE DOC NUMBER REV
A3 CS 1310A24171-0-MTR A02

CHANGE by Drawer Name 20-May-2011

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NOTE: DDR3 REGULATOR

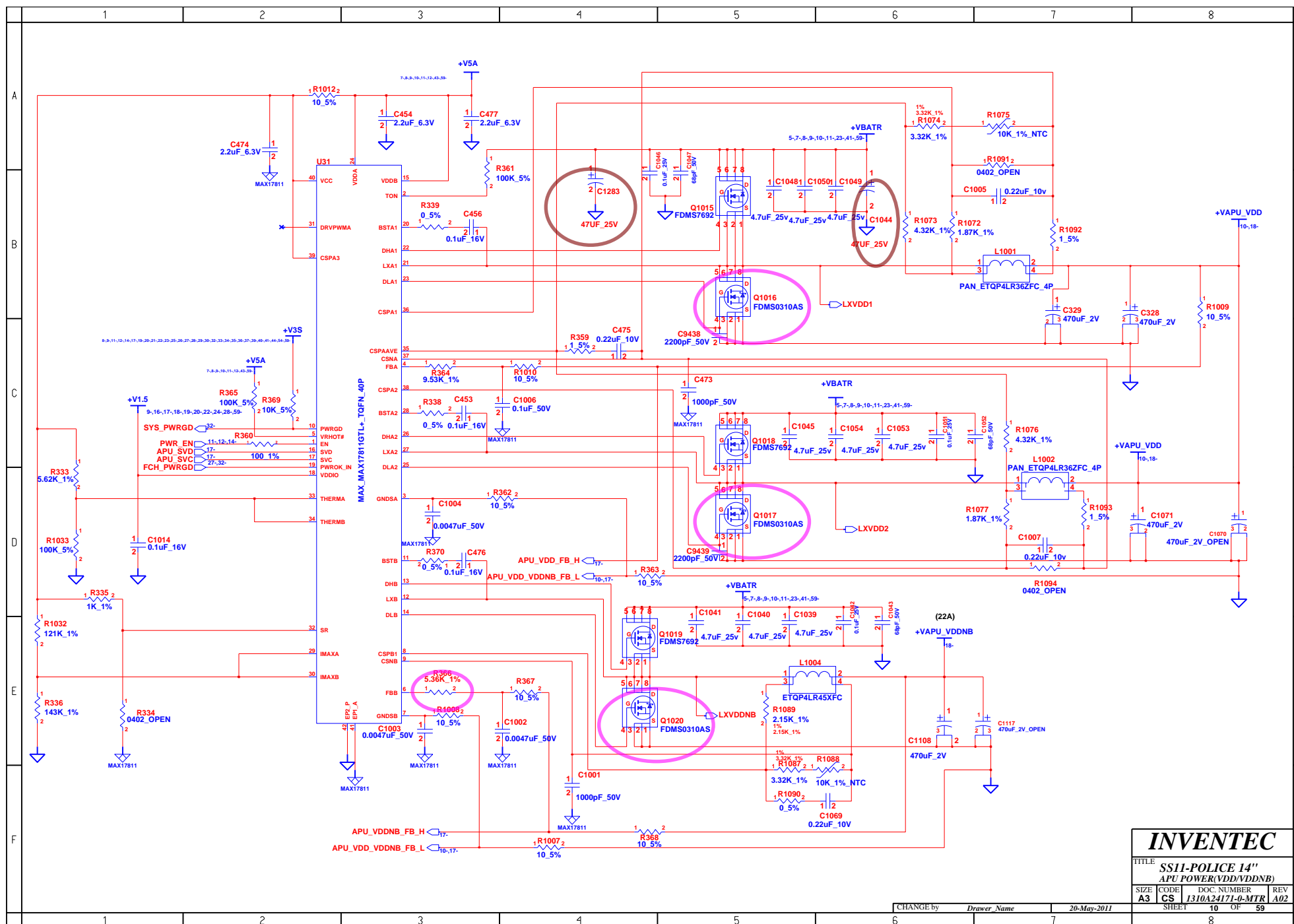
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DDR3 POWER (+V1.5/+V0.75S)

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

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

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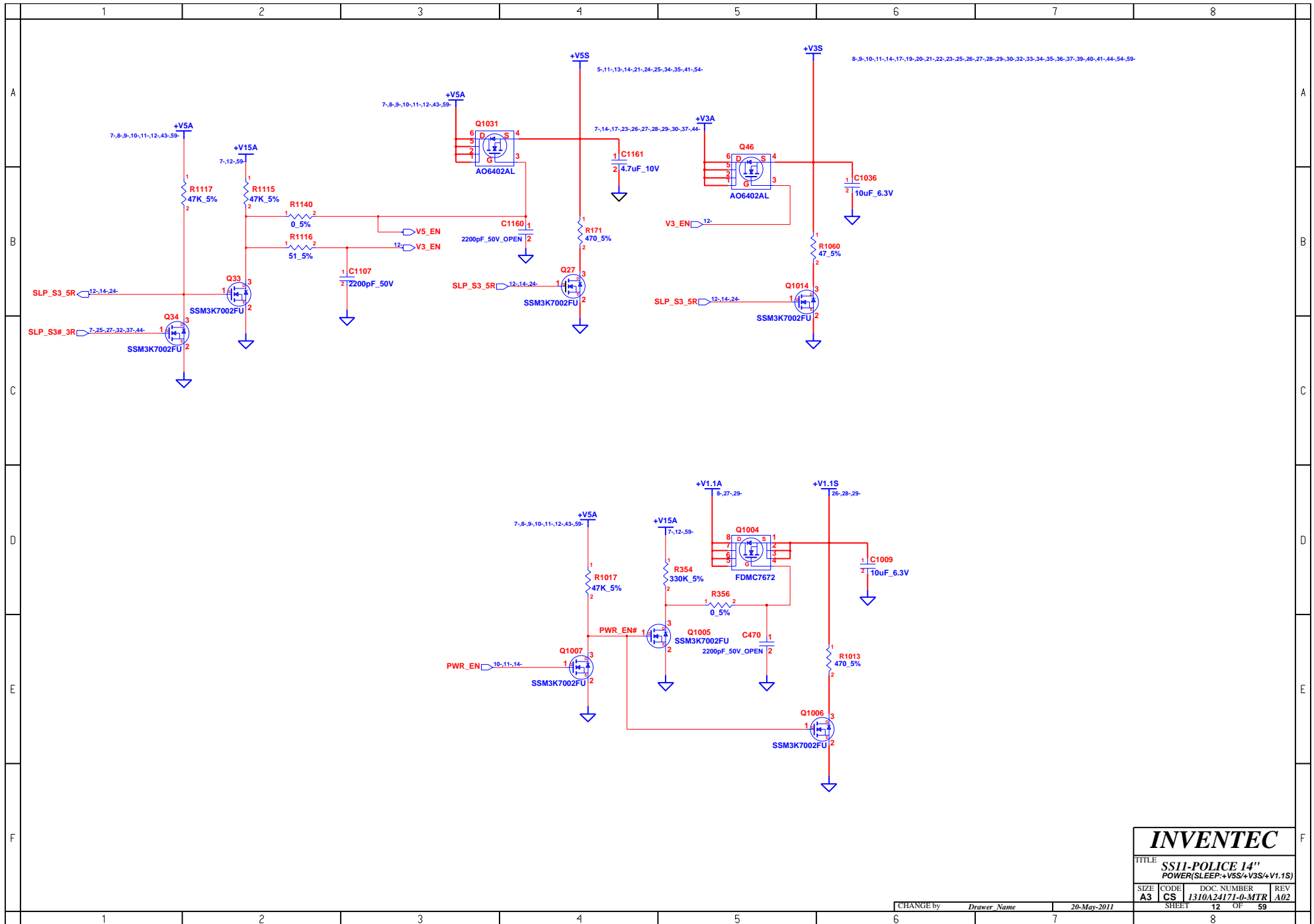
INVENTEC

TITLE	SS11-POLICE 14" APU POWER(VDD/VDDNB)
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SIZE A3	CODE CS	DOC. NUMBER 1310A24171-0-MTR	REV A02
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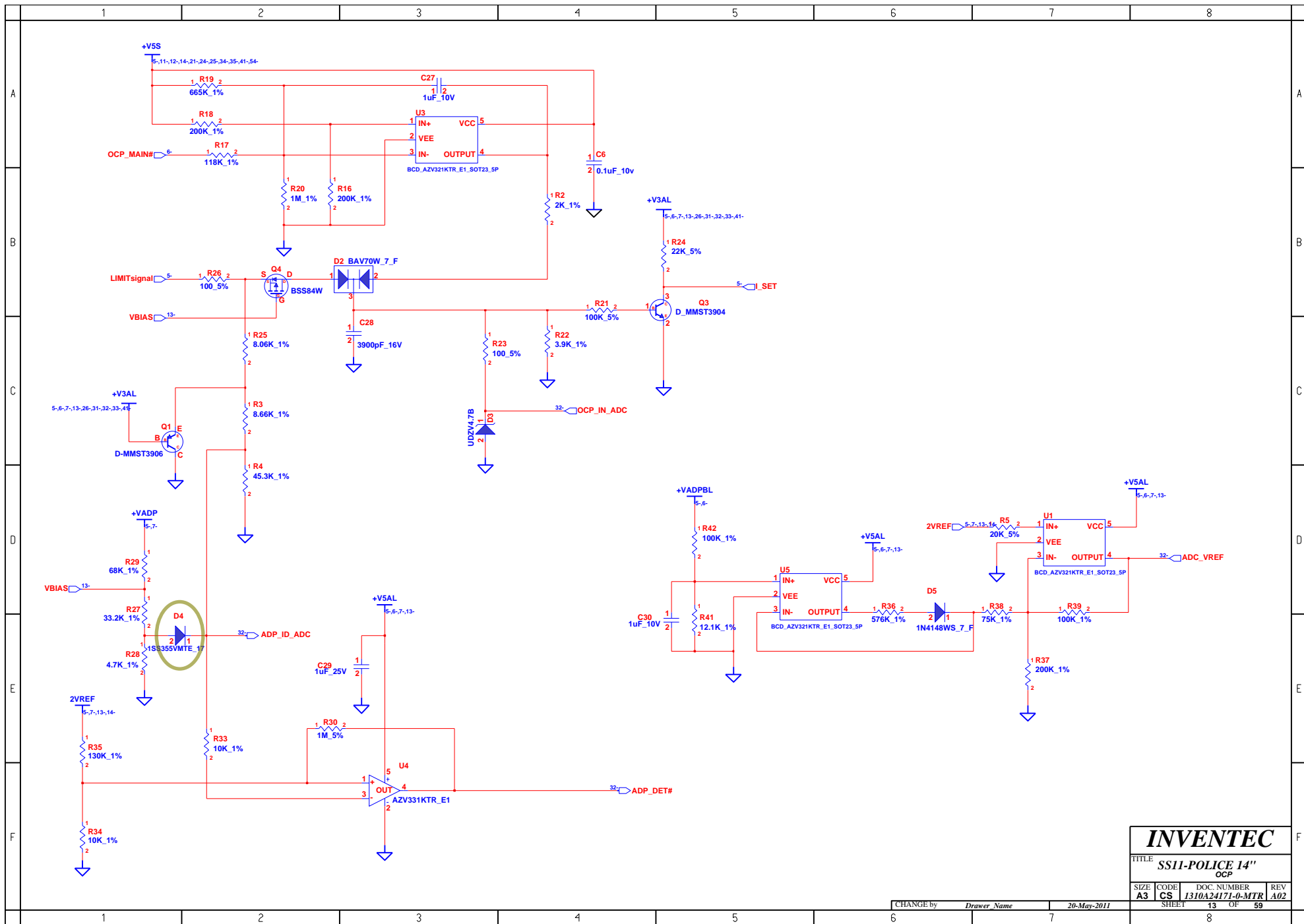
CHANGE by	<i>Drawer Name</i>	<i>20-May-2011</i>
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INVENTEC			
TITLE: SS11-POLICE 14"			
POWER(SLEEP:+V5S/+V3S/+V1.1S)			
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A3	CS	1310A24171-0-MTR	A02
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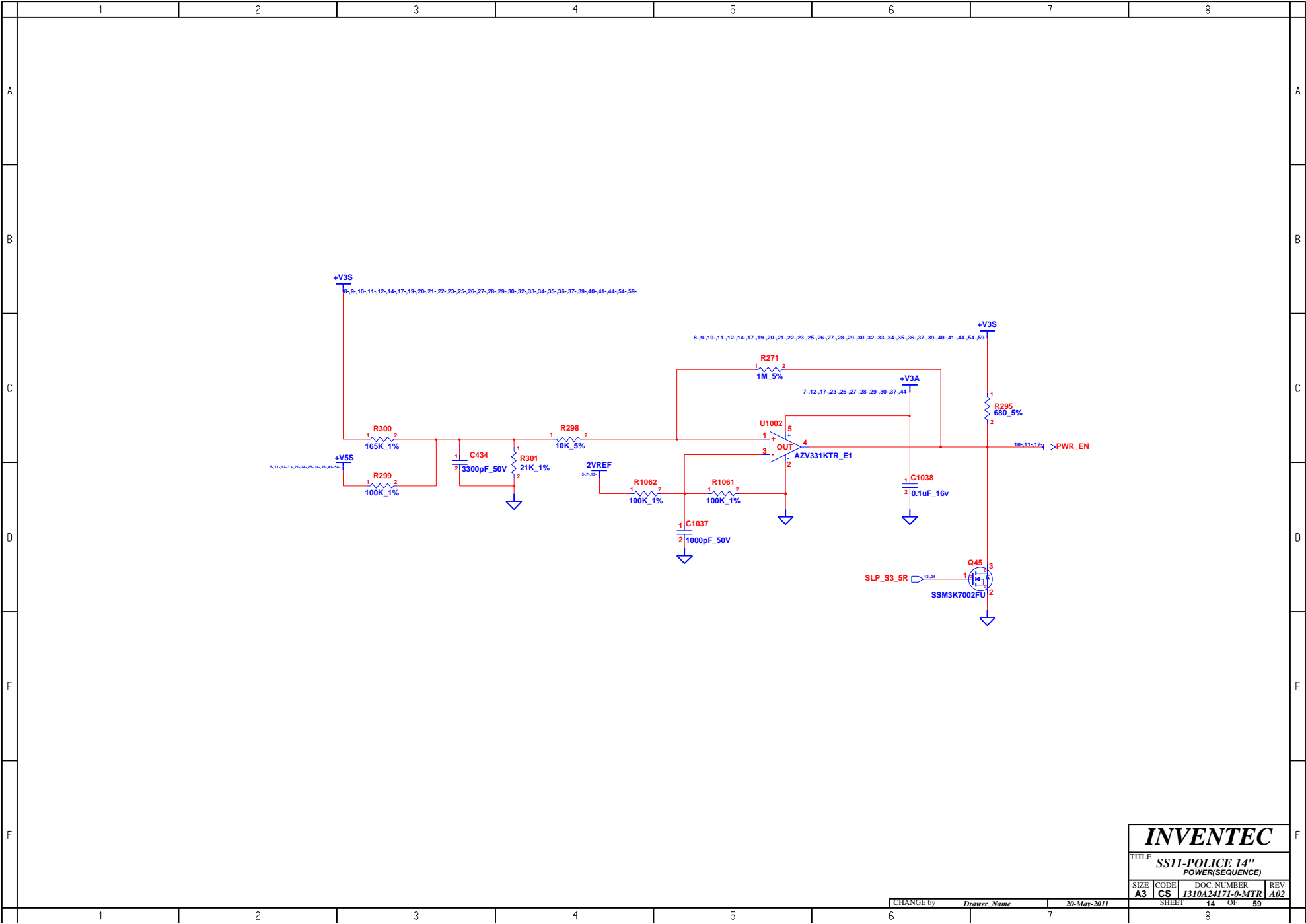
INVENTEC

TITLE
SS11-POLICE 14" OCP

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

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

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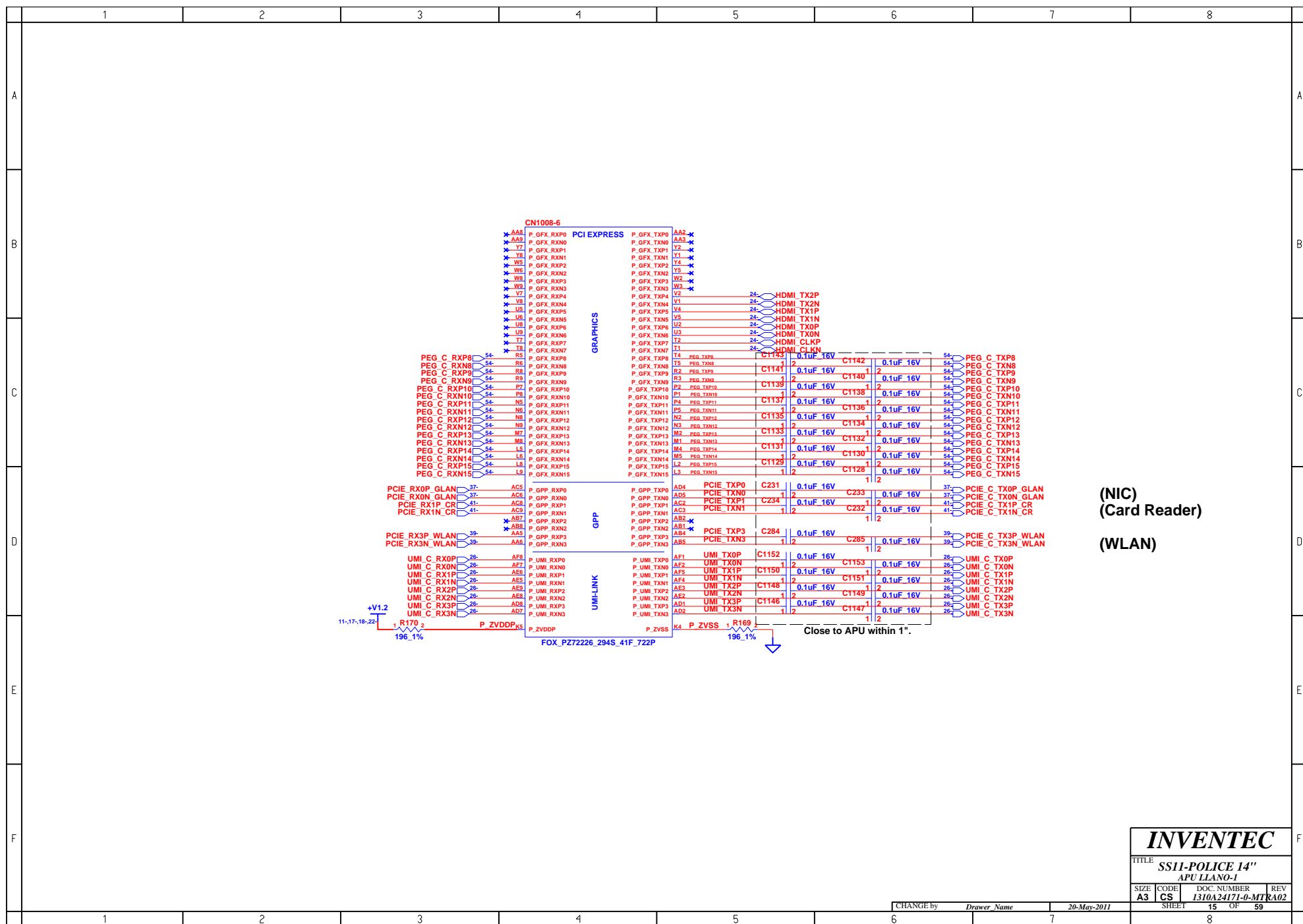
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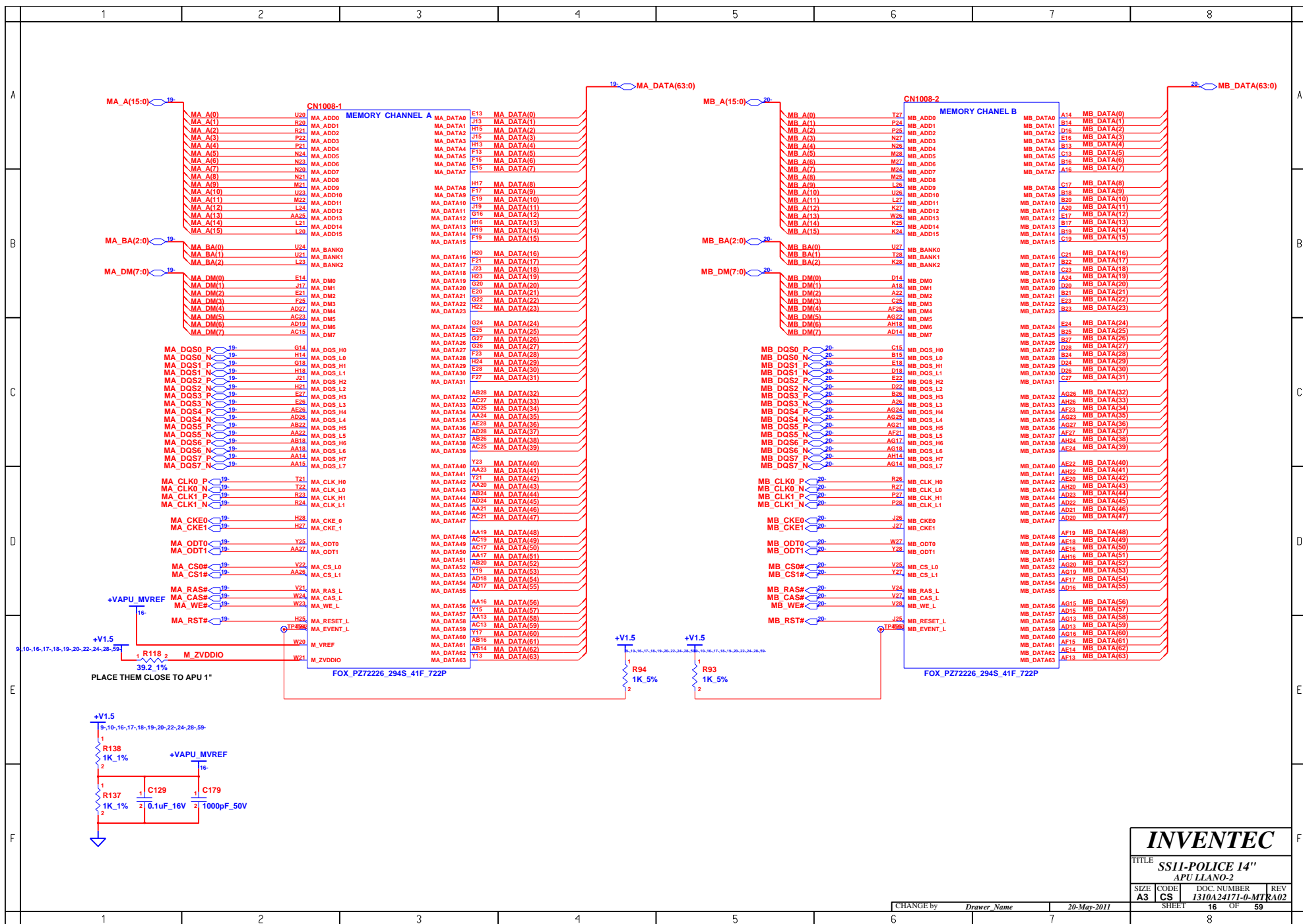
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SS11-POLICE 14"
POWER(SEQUENCE)

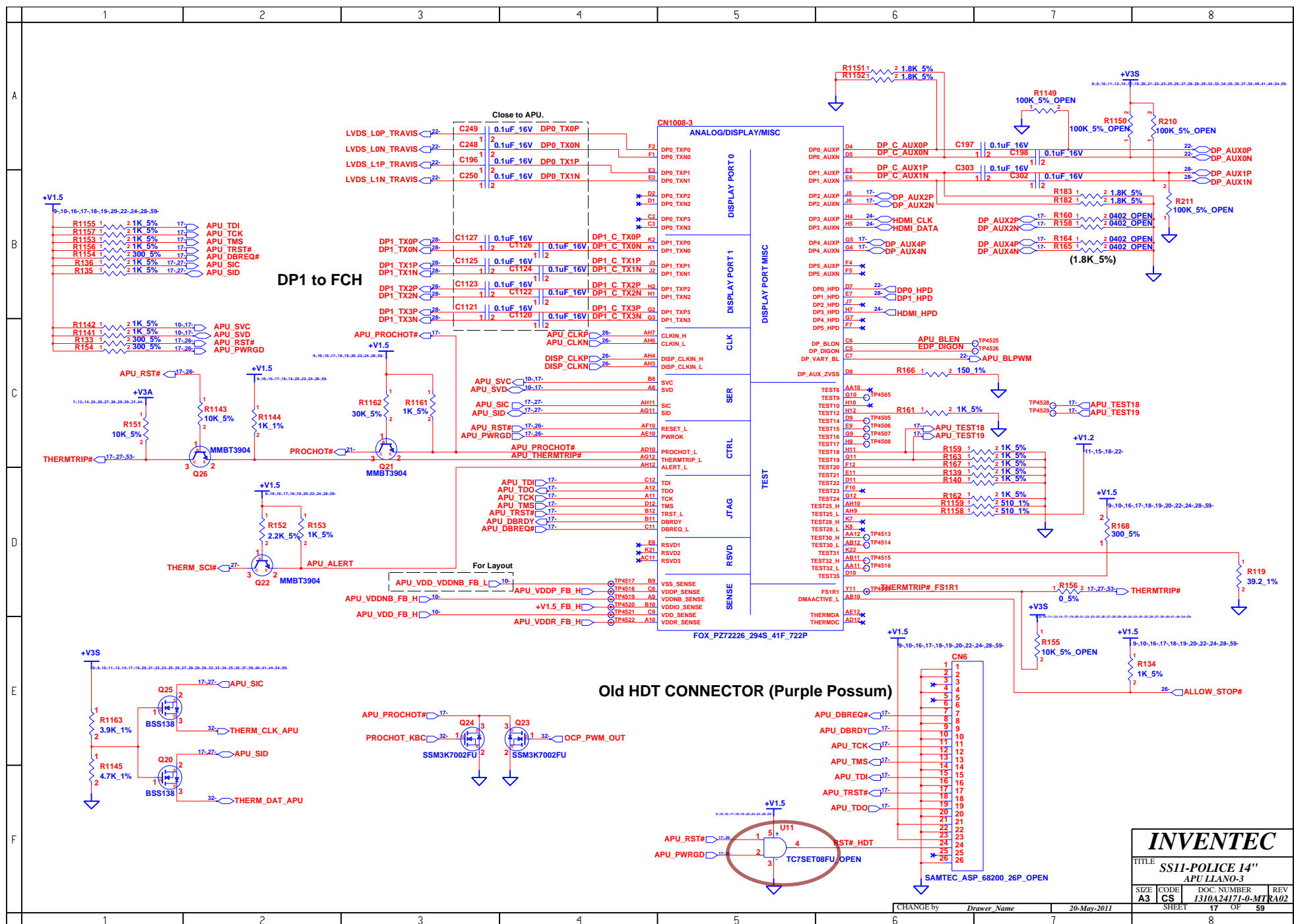
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A3	CS	1310A24171-0-MTR	A02

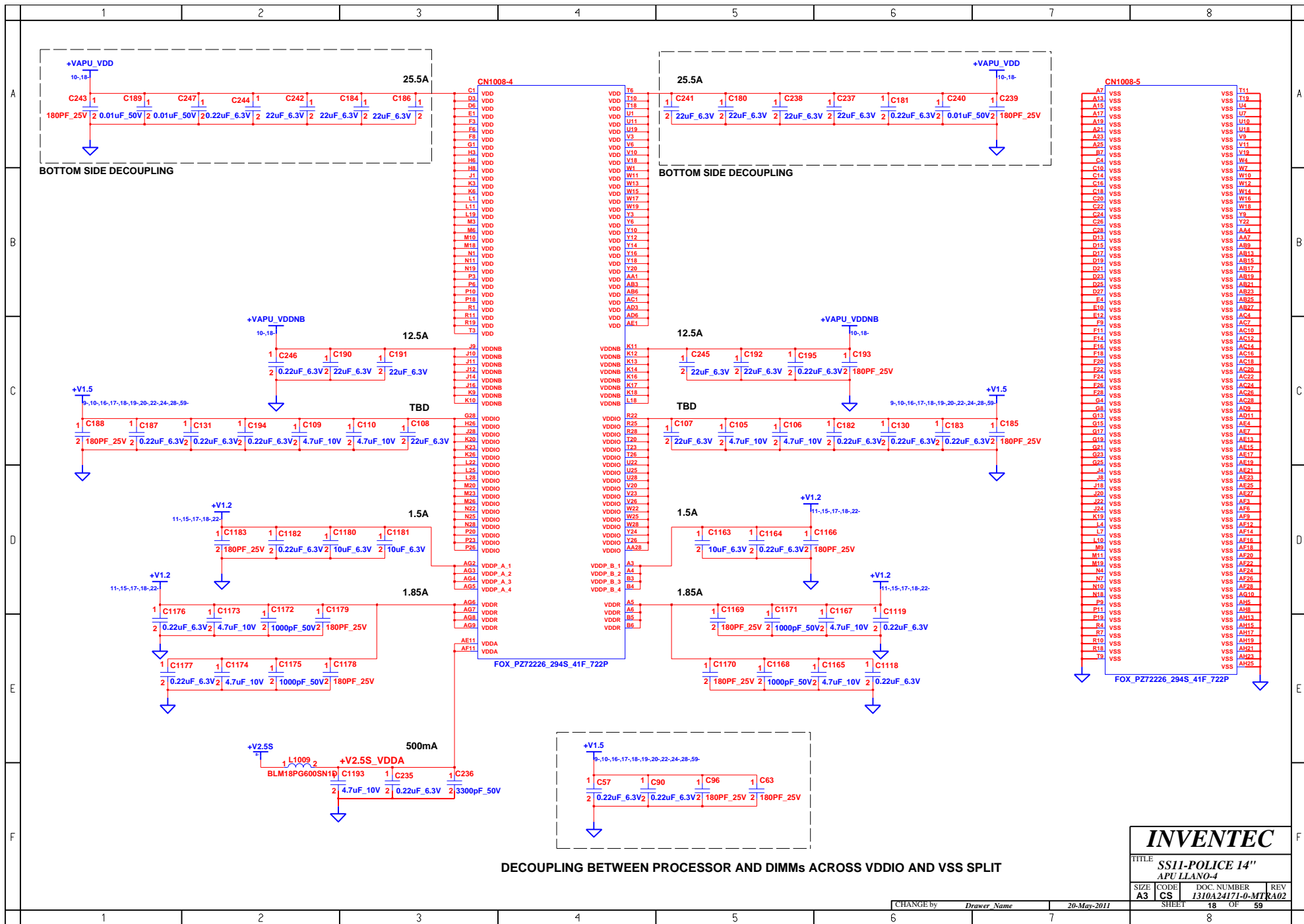
CHANGE by *Drawer Name* 20-May-2011

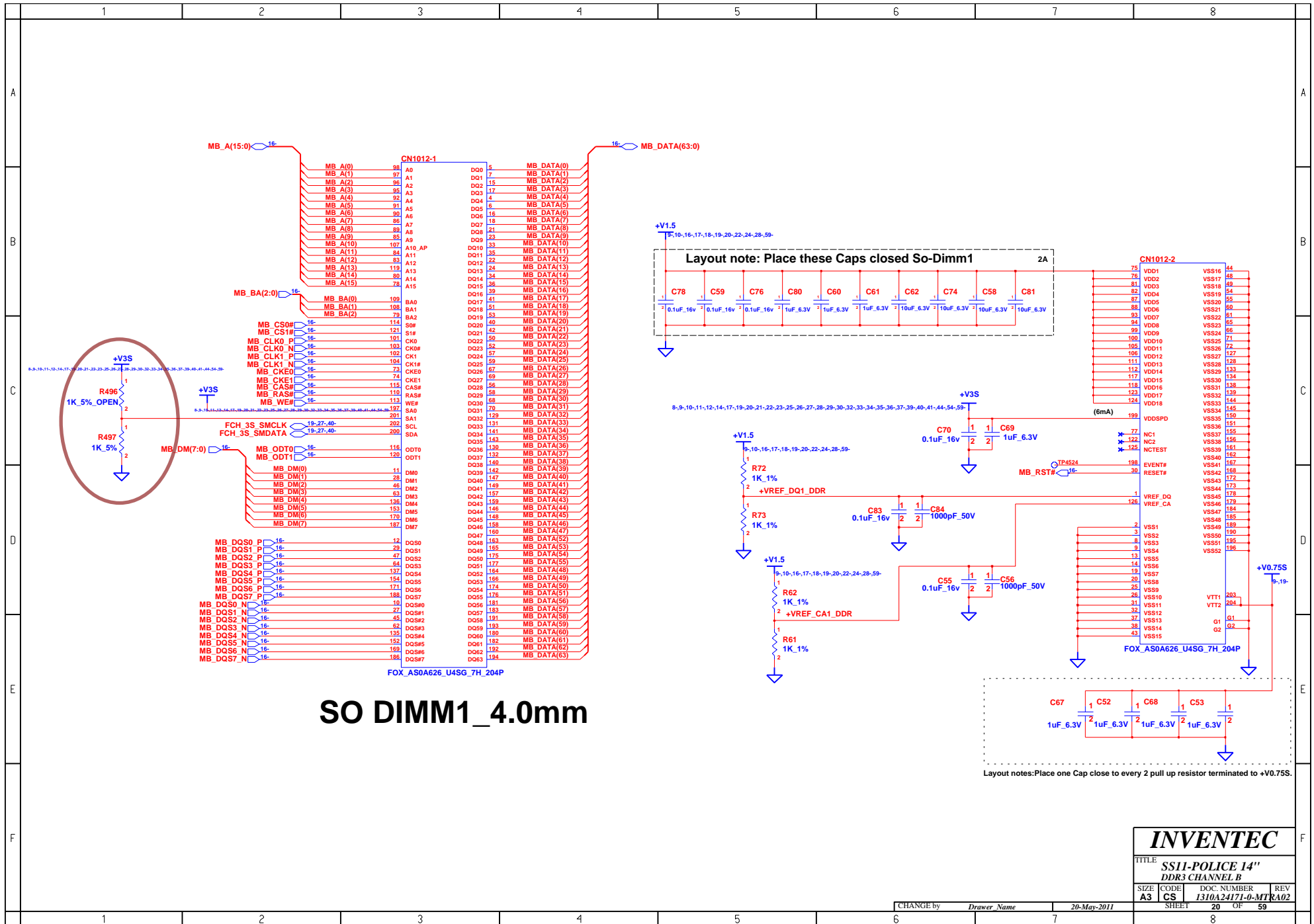
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Travis (DP to LVDS)

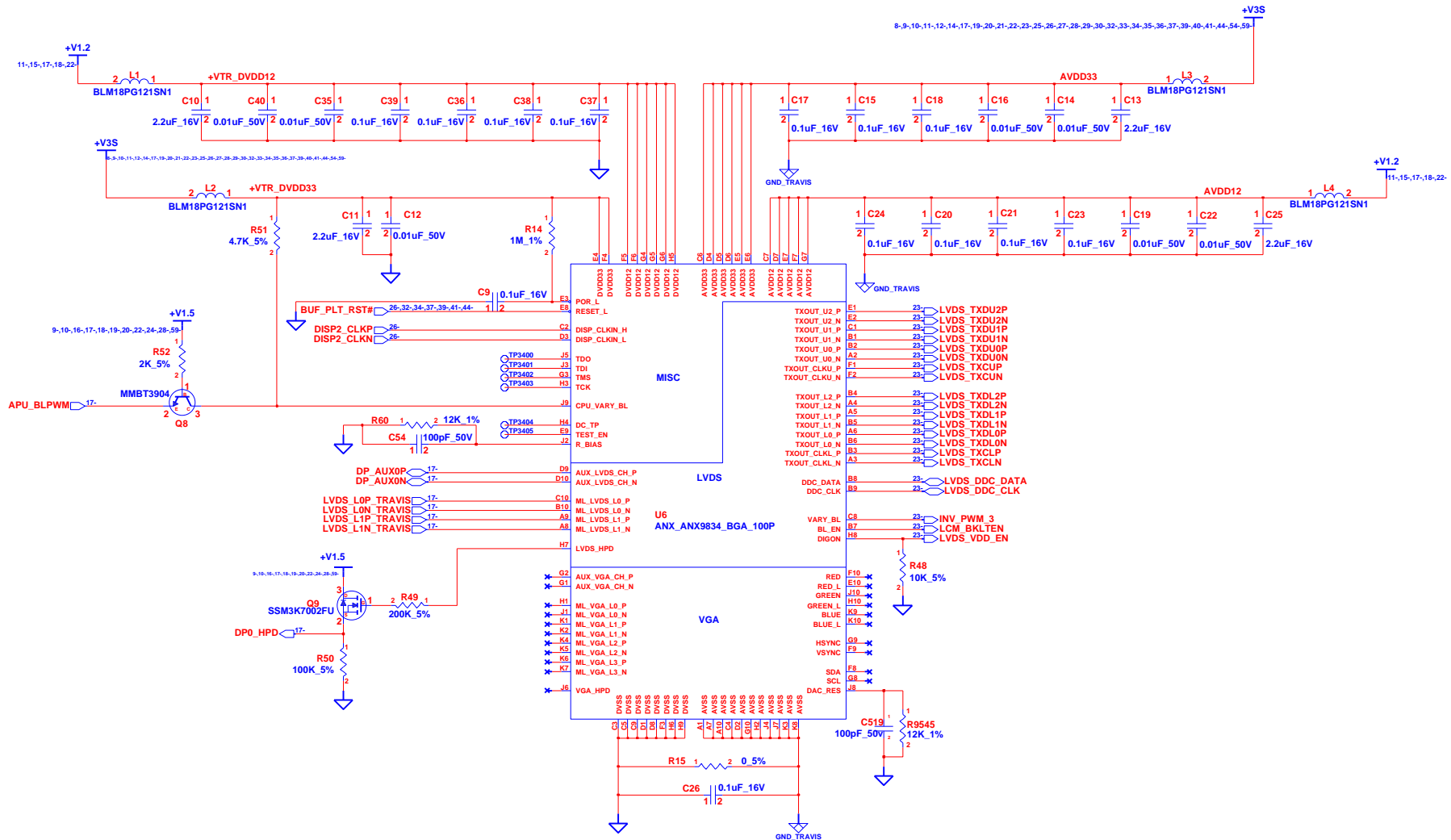
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Travis (DP to LVDS)

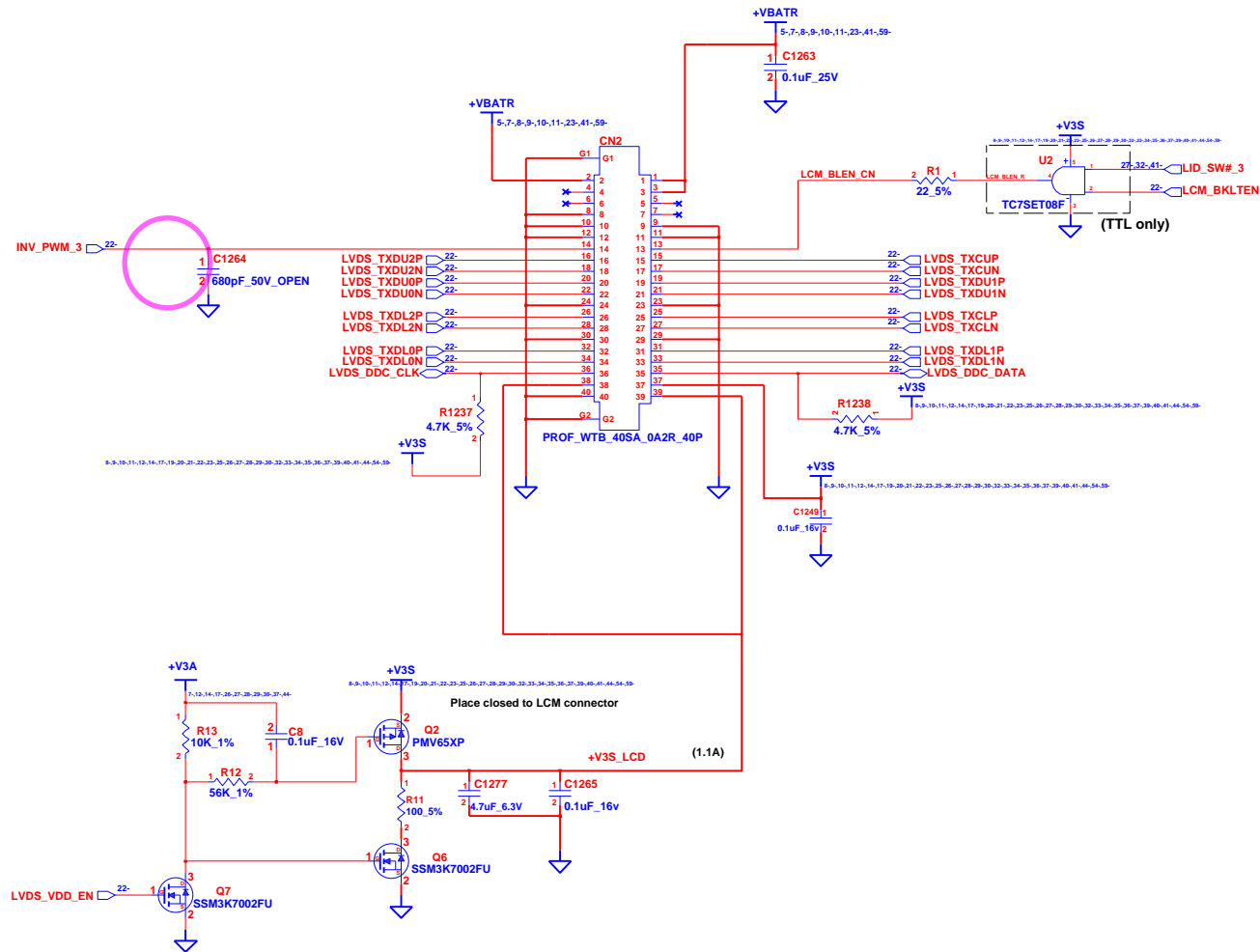
SIZE A3	CODE CS	DOC. NUMBER 1310A24171-0-MTR	REV A02
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CHANGE by *Drawer Name* 20-May-2011

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LCD



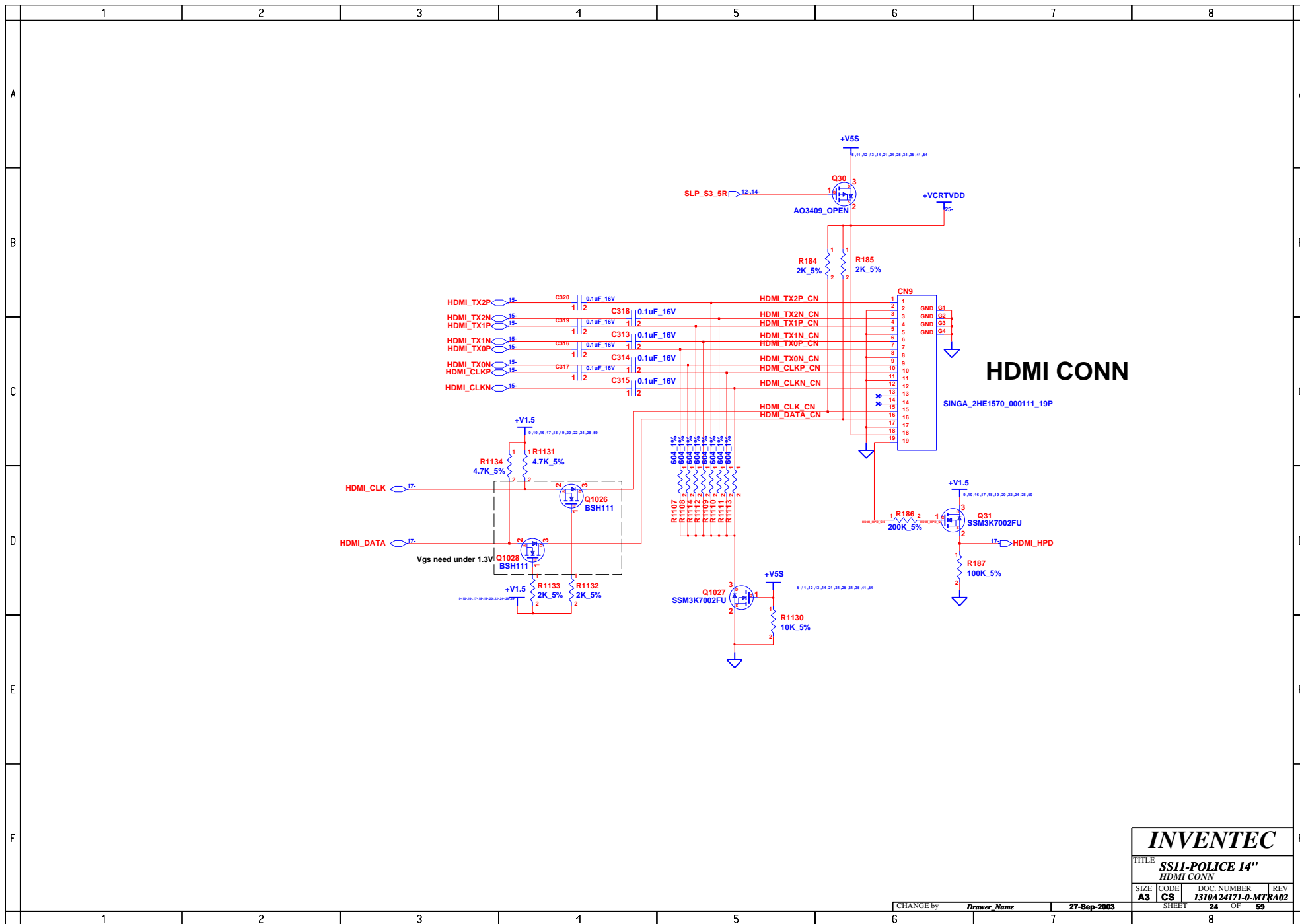
INVENTEC

TITLE
SS11-POLICE 14" LCD

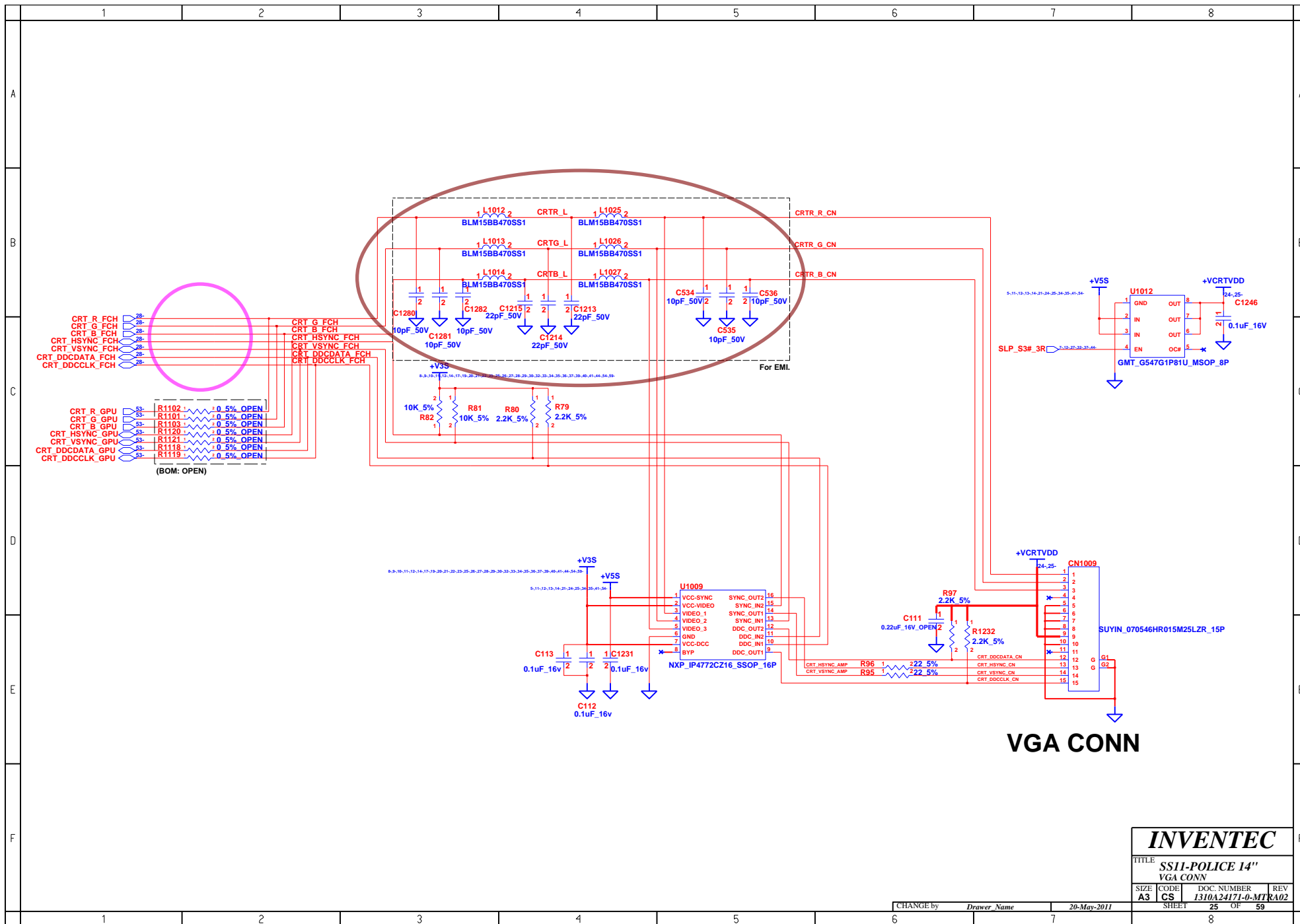
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	RA02

CHANGE by *Drawer Name* 20-May-2011

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INVENTEC			
TITLE SS11-POLICE 14" HDMI CONN			
SIZE A3	CODE CS	DOC. NUMBER I310A24171-0-MTR	REV A02
CHANGE by Drawer Name		27-Sep-2003	SHEET 24 OF 59



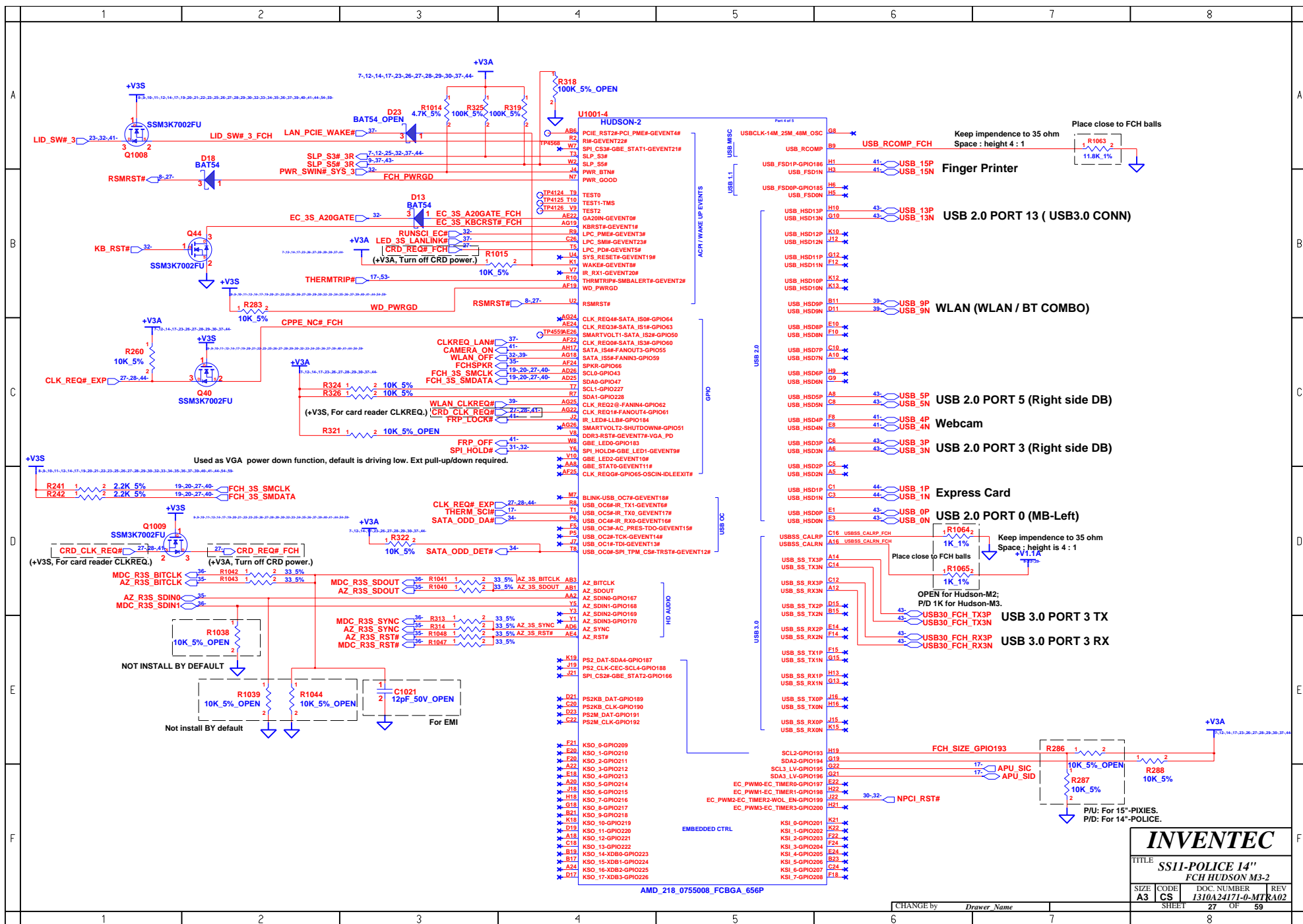
INVENTEC

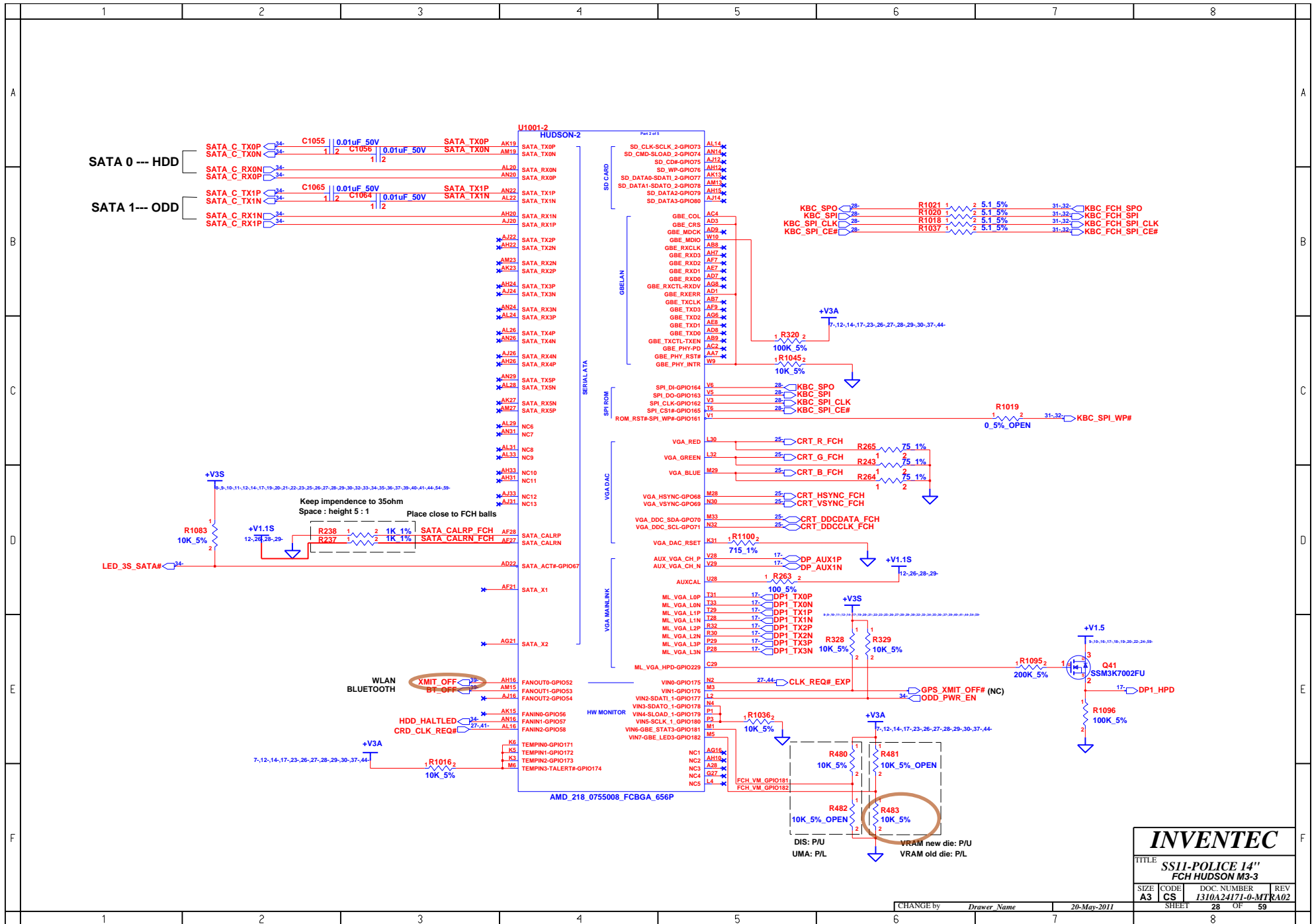
TITLE
SS11-POLICE 14"
VGA CONN

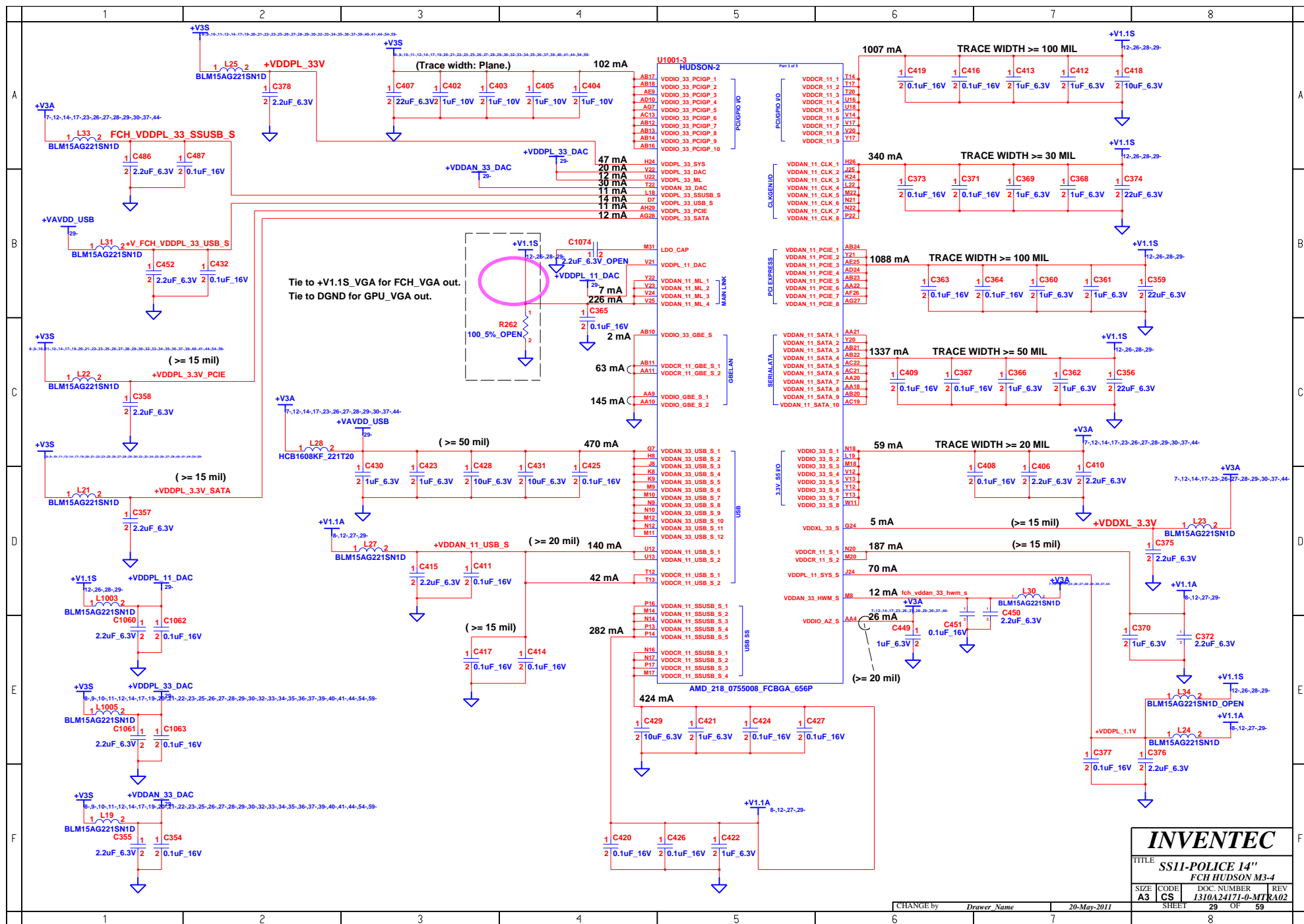
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A3	CS	I310A24171-0-MTR	RA02

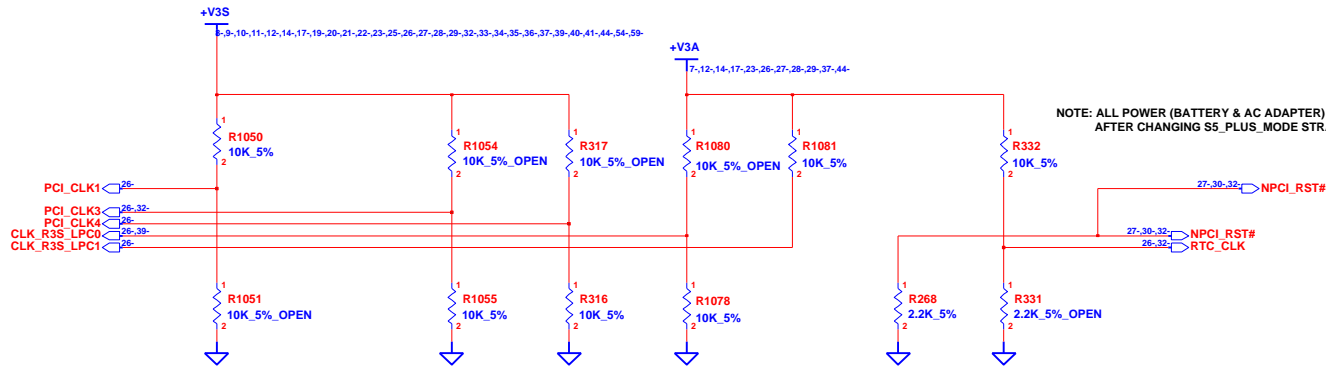
CHANGE by: *Drawer Name* 20-May-2011

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NOTE: ALL POWER (BATTERY & AC ADAPTER) MUST BE REMOVED AFTER CHANGING S5_PLUS_MODE STRAP VALUE.

Required Straps:

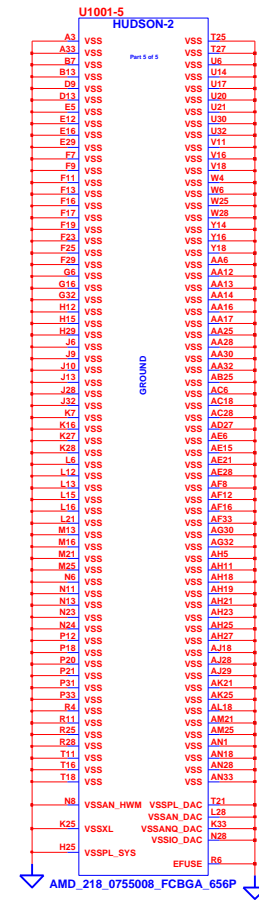
	PCI_CLK1	PCI_CLK3	PCI_CLK4	LPC_CLK0	LPC_CLK1	(GPIO199) EC_PWM2	RTC_CLK
PULL HIGH	ALLOW PCIe Gen2 (default)	USE DEBUG STRAP	non_Fusion CLOCK MODE	EC ENABLED	CLKGEN ENABLED (Internal) (default)	LPC ROM	S5 Plus mode DISABLE (default)
PULL LOW	FORCE PCIe Gen1	IGNORE DEBUG STRAP (default)	FUSION CLOCK MODE (default)	EC DISABLED (default)	CLKGEN DISABLED	SPI ROM (default)	S5 Plus mode ENABLE

(PCI_3S_AD(27..23): No connected.)

Debug Straps

FCH HAS 15K INTERNAL PU FOR PCI_AD[27:23]

	PCI_3S_AD(27)	PCI_3S_AD(26)	PCI_3S_AD(25)	PCI_3S_AD(24)	PCI_3S_AD(23)
PULL HIGH	USE PCI PLL (default)	DISABLE ILA AUTORUN (default)	USE FC PLL (default)	USE DEFAULT PCIE STRAPS (default)	DISABLE PCI MEM BOOT (default)
PULL LOW	BYPASS PCI PLL	ENABLE ILA AUTORUN	BYPASS FC PLL	USE EEPROM PCIE STRAPS	ENABLE PCI MEM BOOT



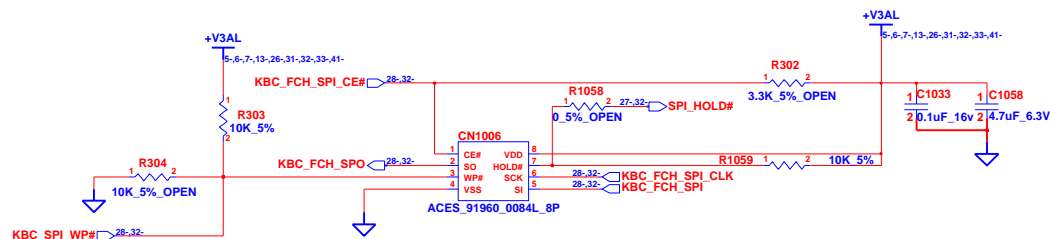
INVENTEC

TITLE: **SS11-POLICE 14"**
FCH HUDSON M3-5

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

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

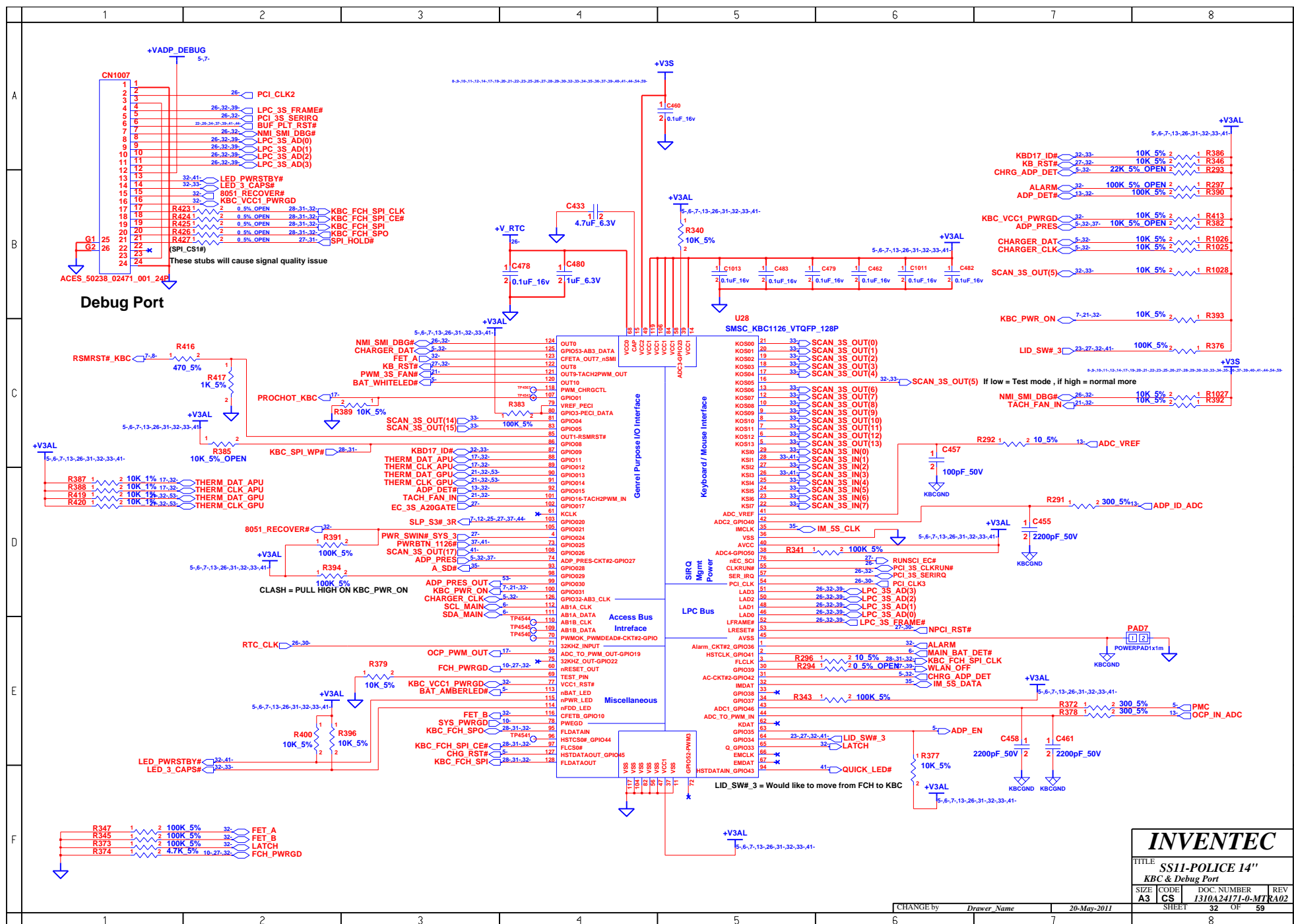
SHEET 30 OF 59

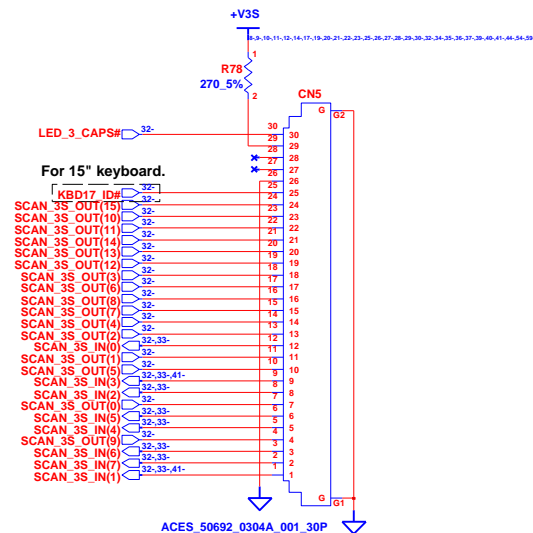


SPI Flash

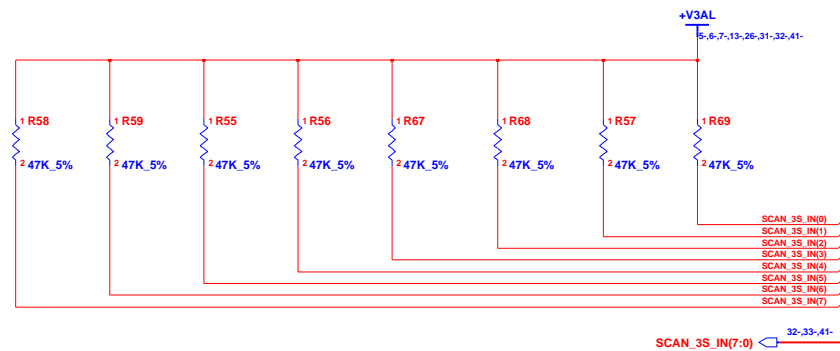
SPI Socket P/N:6026B0150101
SPI ROM P/N:6019B0614401

INVENTEC			
TITLE SS11-POLICE 14"			
BIOS ROM (SPI)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A24171-0-MTR	A02
CHANGE by		20-May-2011	
Drawer Name			
SHEET		31	OF 59





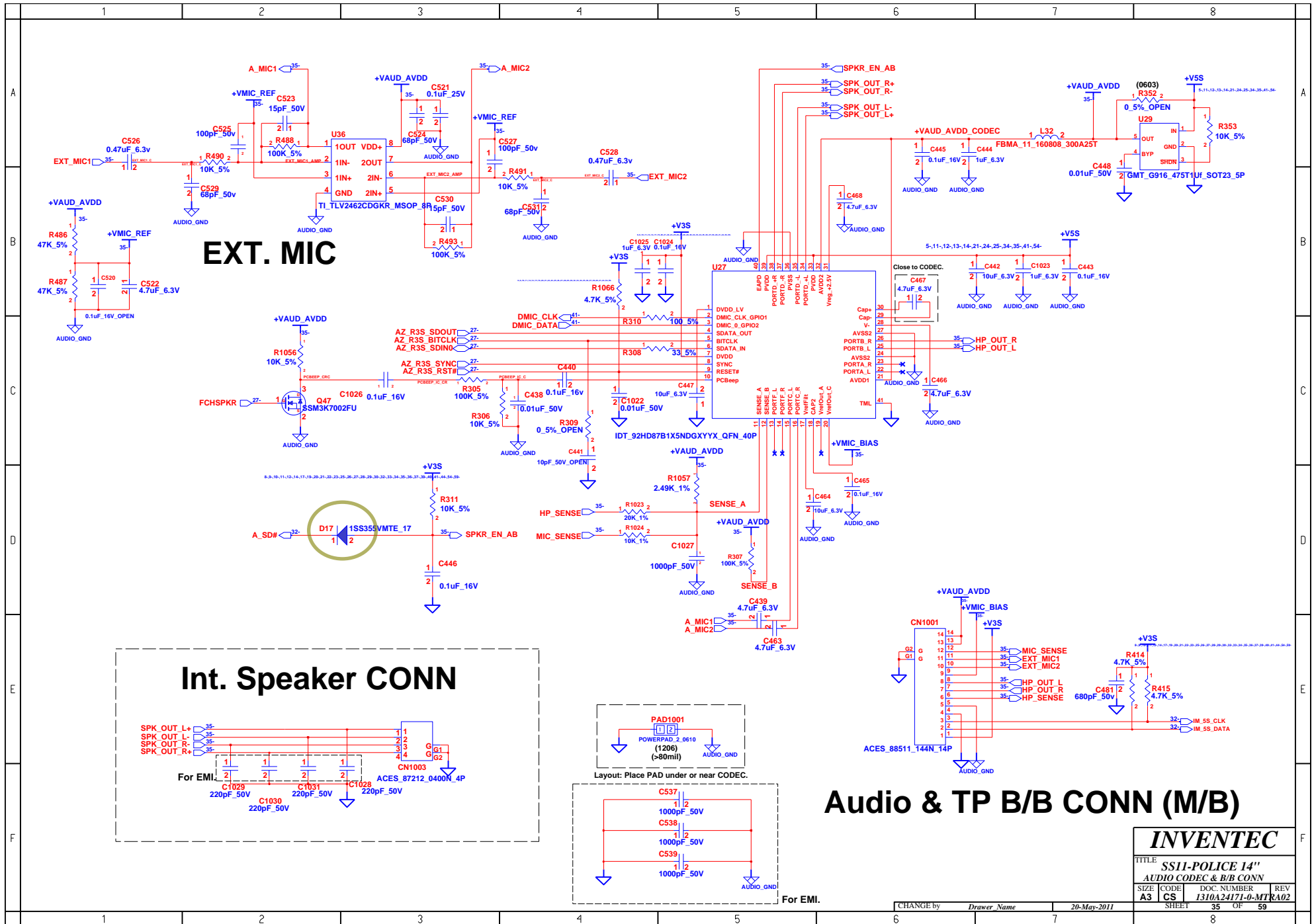
Keyboard CONN



INVENTEC			
TITLE SS11-POLICE 14"			
Keyboard CONN			
SIZE A3	CODE CS	DOC. NUMBER 1310A24171-0-MTR	REV A02
CHANGE by		20-May-2011	
Drawer Name			
SHEET 33		OF 59	



TITLE			
SS11-POLICE 14"			
SATA HDD & ODD CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	A02
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TITLE			
SS11-POLICE 14" MDC CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	A02
SHEET		36	OF 59

CS	1310A24171-0-M1RA02		
SHEET	36	OF	59

+V3_LAN rising time: 1ms ~ 100ms.

Placed near LAN Controller

Placed near LAN Controller

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

For pin21

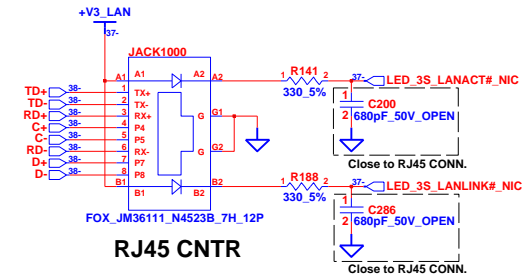
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TITLE
SS11-POLICE 14"
Giga LAN Controller

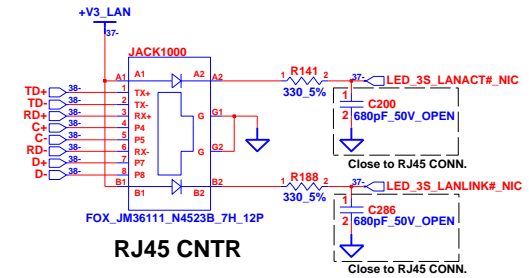
SIZE A3	CODE CS	DOC. NUMBER I310A24171-0-MTR	REV A02
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CHANGE by *Drawer Name* 20-May-2011

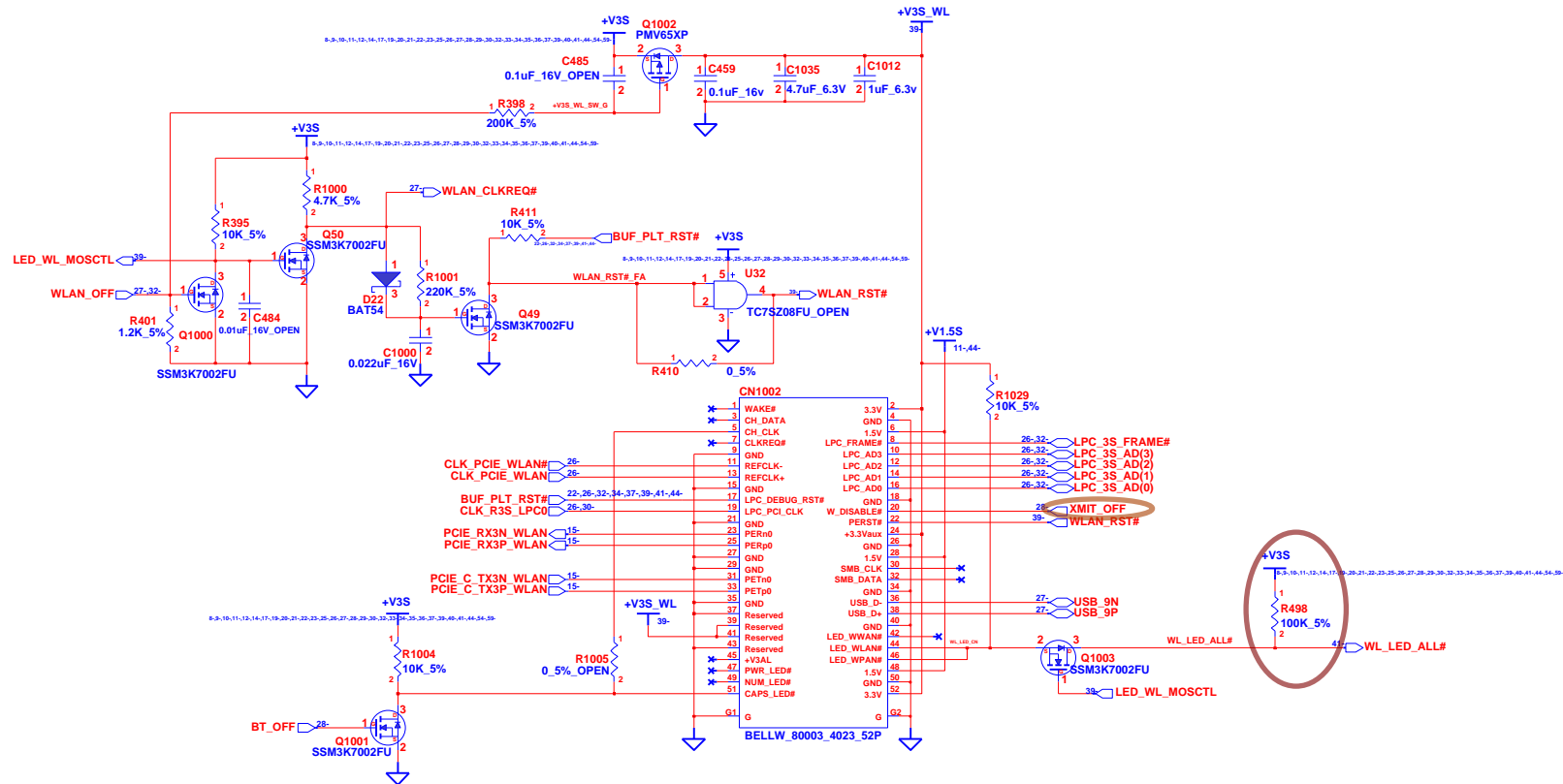
SHEET 37 OF 59



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



TITLE			
<i>SS11-POLICE 14"</i> Transformer & RJ45 CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTRA02	
SHEET		38	OF 59



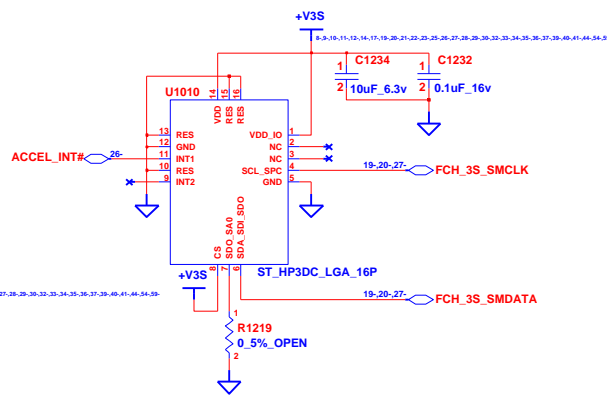
INVENTEC

TITLE
SS11-POLICE 14"
MINI CARD (WLAN)

SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A24171-0-MTR	RA02

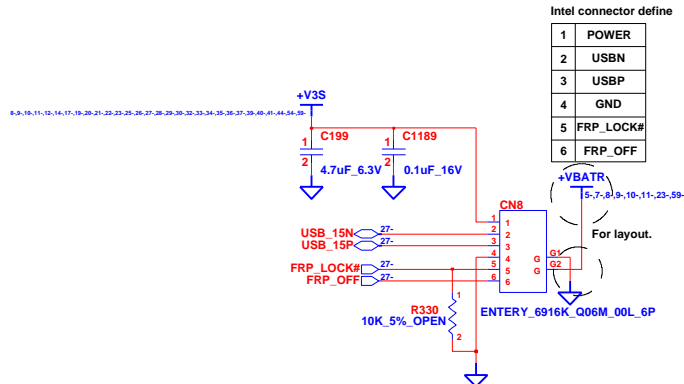
CHANGE by *Drawer Name* 20-May-2011

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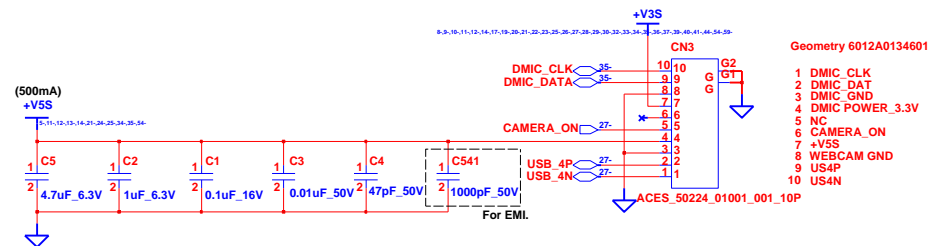


Accelerometer

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

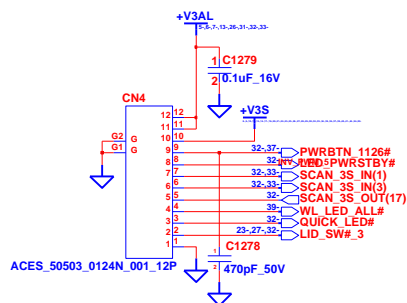


Finger Printer CONN

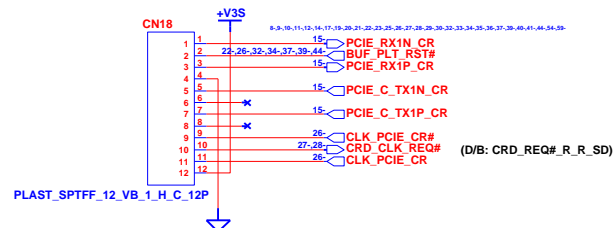


DMIC / WebCAM

Wait for new P/N & S/G.



PWR & Quick Launch B/B CONN



CardReader B/B CONN

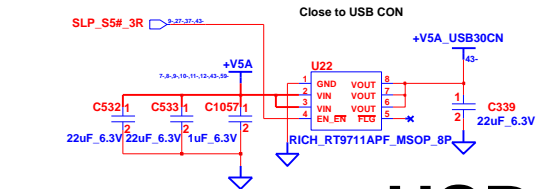
INVENTEC			
TITLE SS11-POLICE 14"			
PWR & FP & Launch & Web/DMIC CONN			
SIZE A3	CODE CS	DOC. NUMBER 1310A24171-0-MTR	REV A02
CHANGE by		Drawer Name	20-May-2011
SHEET		41	OF 59

	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	

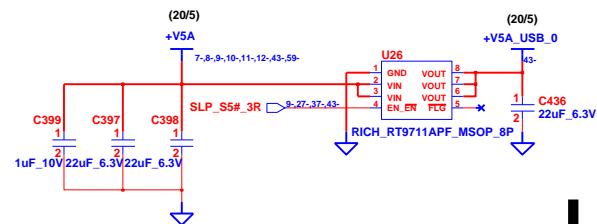
INVENTEC			
TITLE <i>SS11-POLICE 14"</i> Blank			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	A02
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CHANGE by *Drawer Name* 20-May-2011

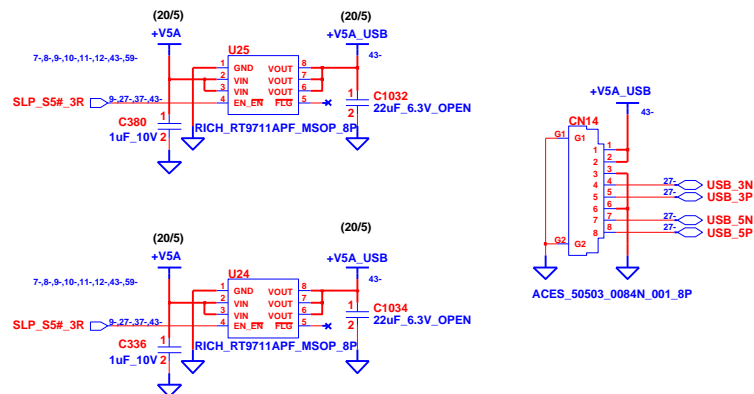
1 2 3 4 5 6 7 8



USB3.0 CONN (Left)



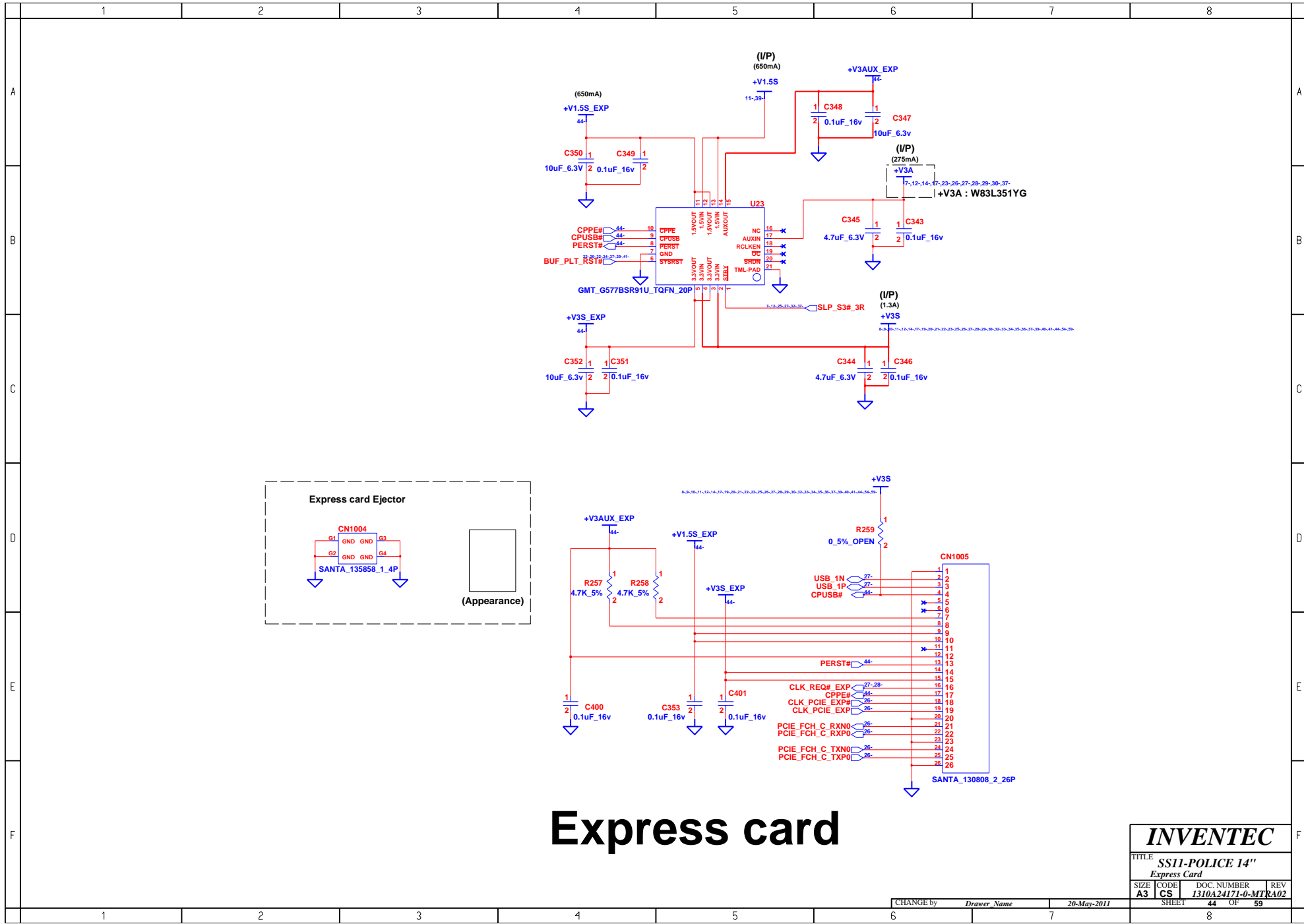
USB CONN (Left)



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
CHANGE by: Drawer Name		20-May-2011	SHEET 43 OF 59

1 2 3 4 5 6 7 8



Express card

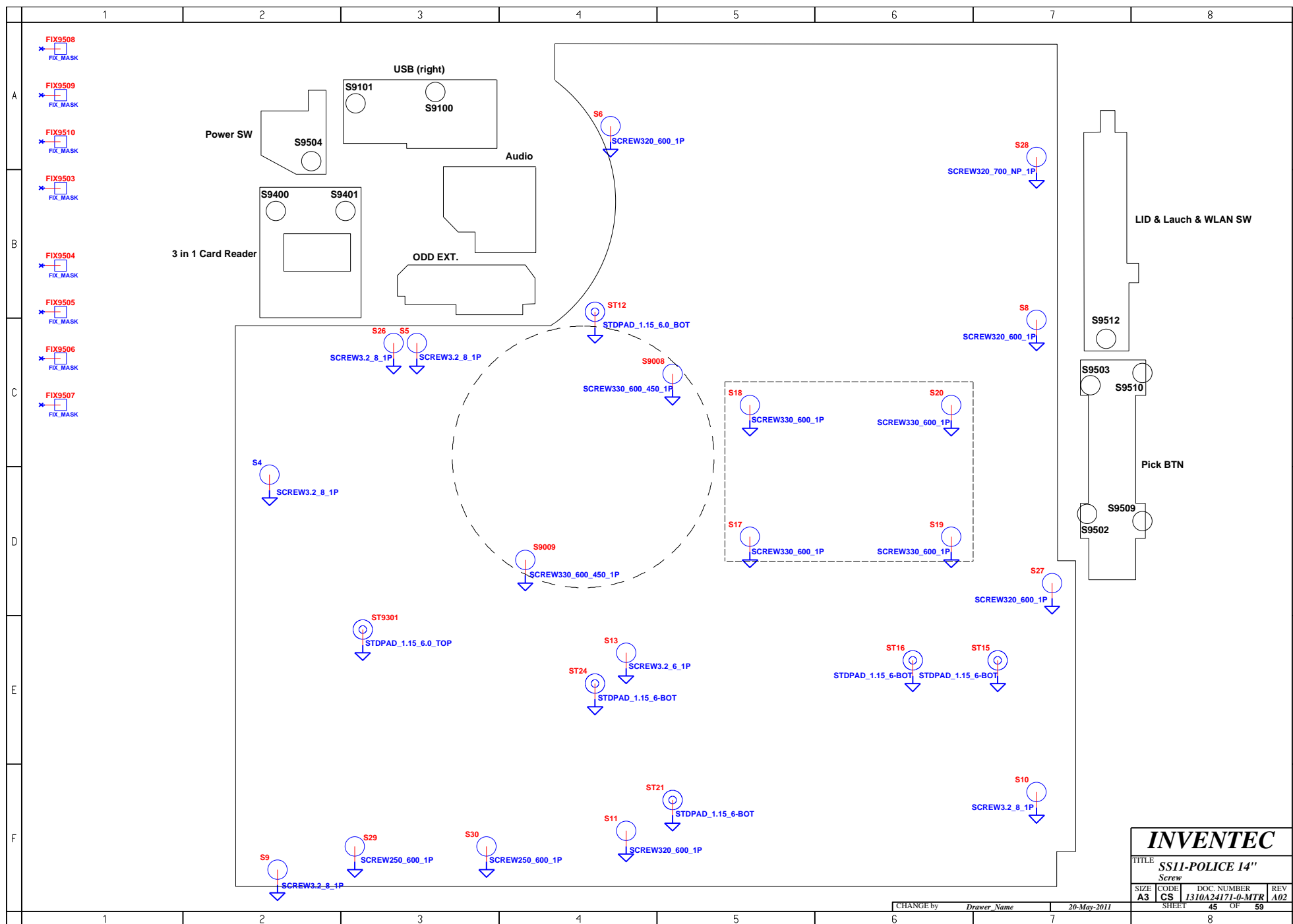
INVENTEC

TITLE
SS11-POLICE 14"
Express Card

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

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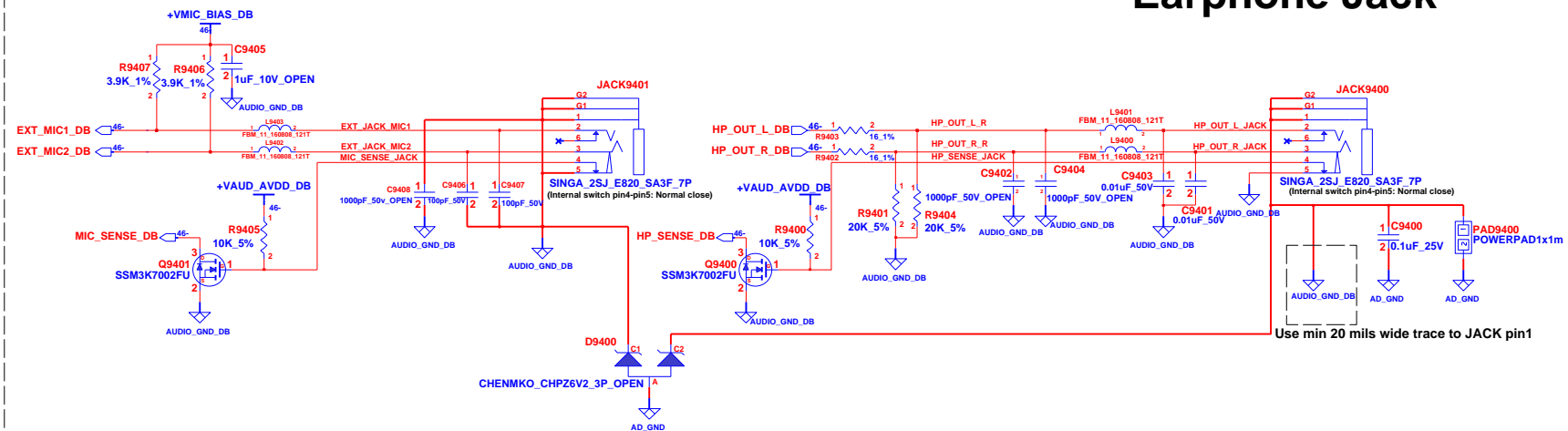


Audio & T/P B/B CONN (D/B)

TP B/B CONN

MIC Jack

Earphone Jack



Audio jack board

INVENTEC

TITLE SS11-POLICE 14"			
Audio jack board			
SIZE A3	CODE CS	DOC. NUMBER 1310A24171-0-MTR	REV A02
SHEET 46		OF 59	

CHANGE by *Drawer Name* 20-May-2011

1 2 3 4 5 6 7 8

A

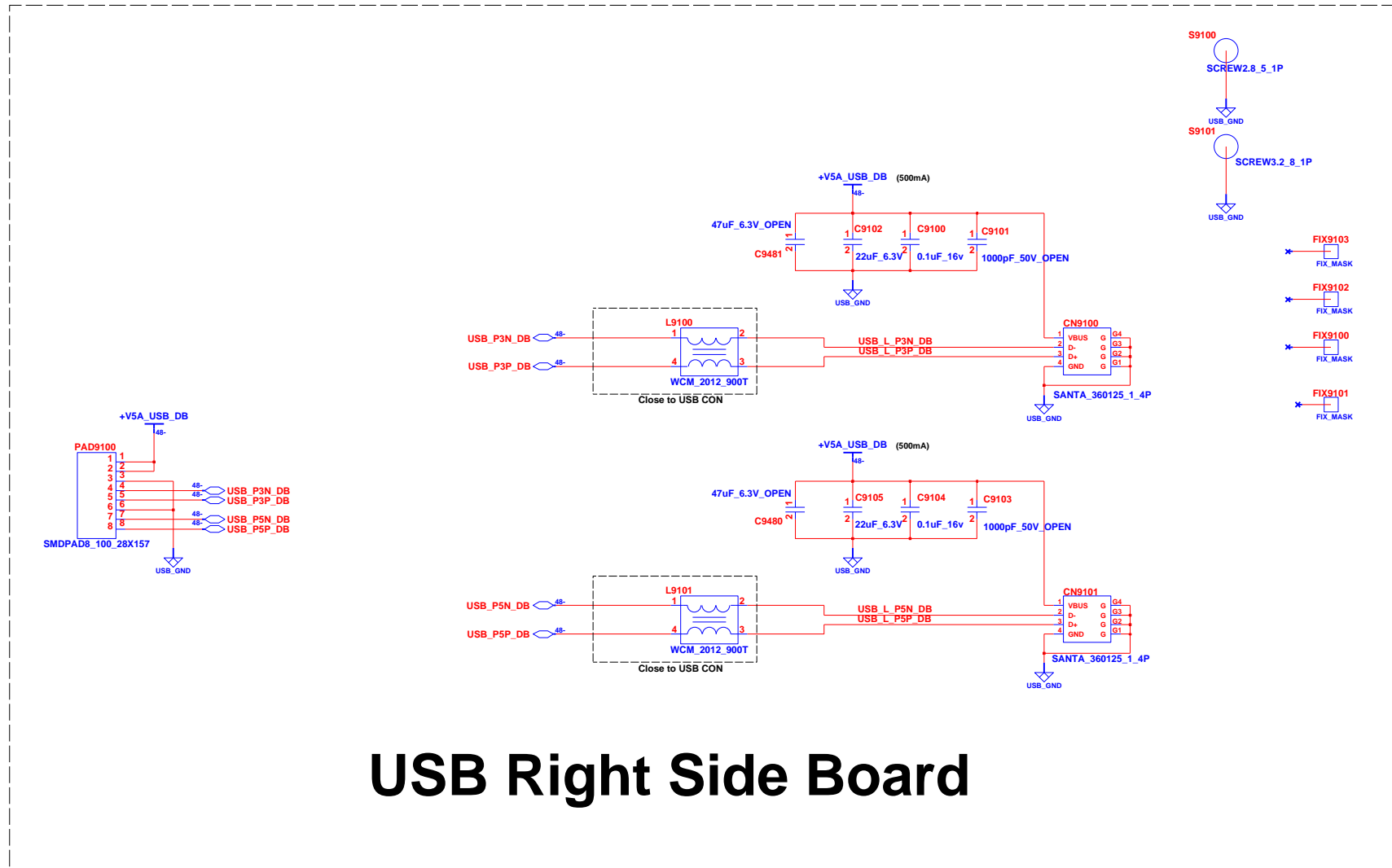
B

C

D

E

F



USB Right Side Board

A

B

C

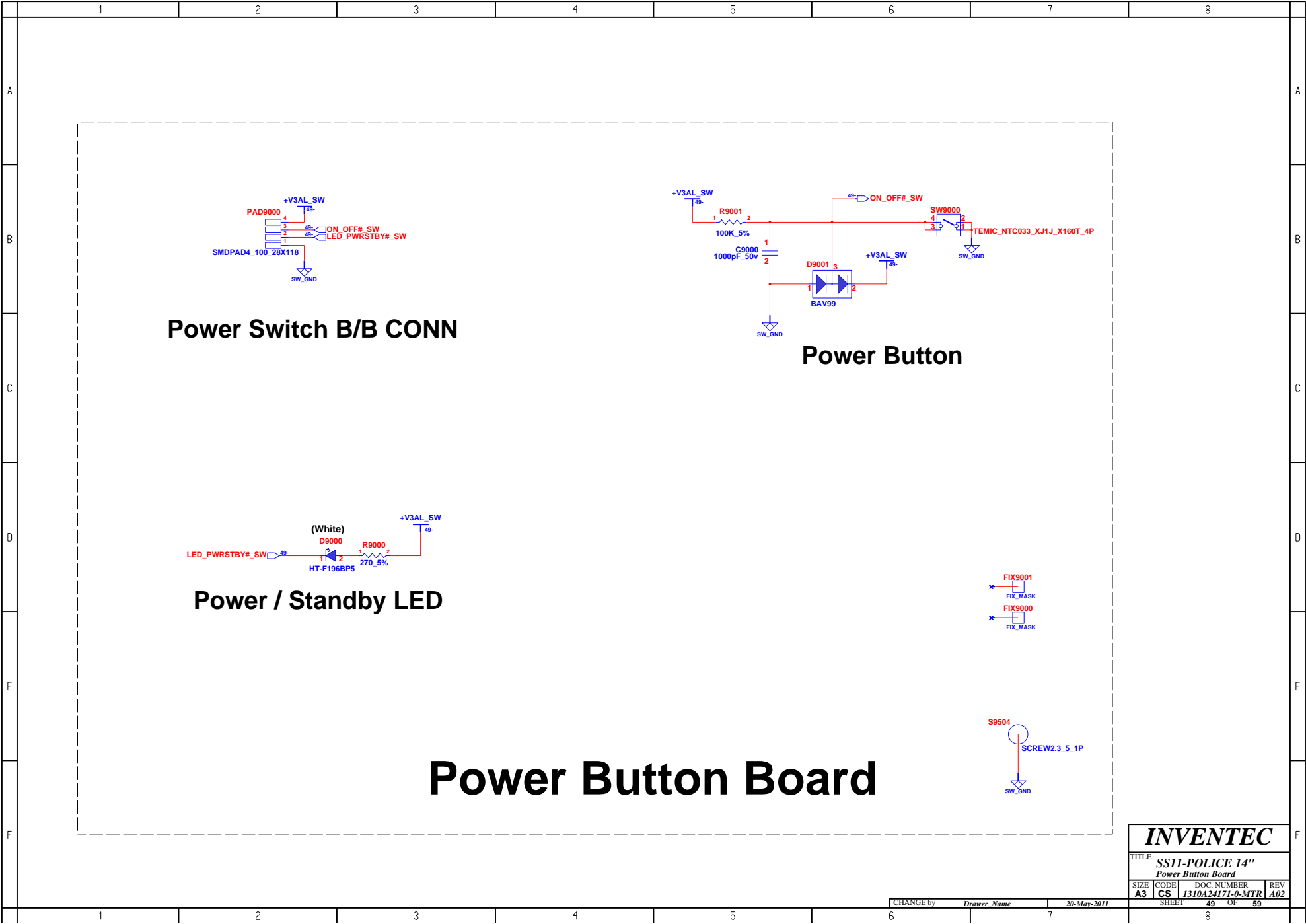
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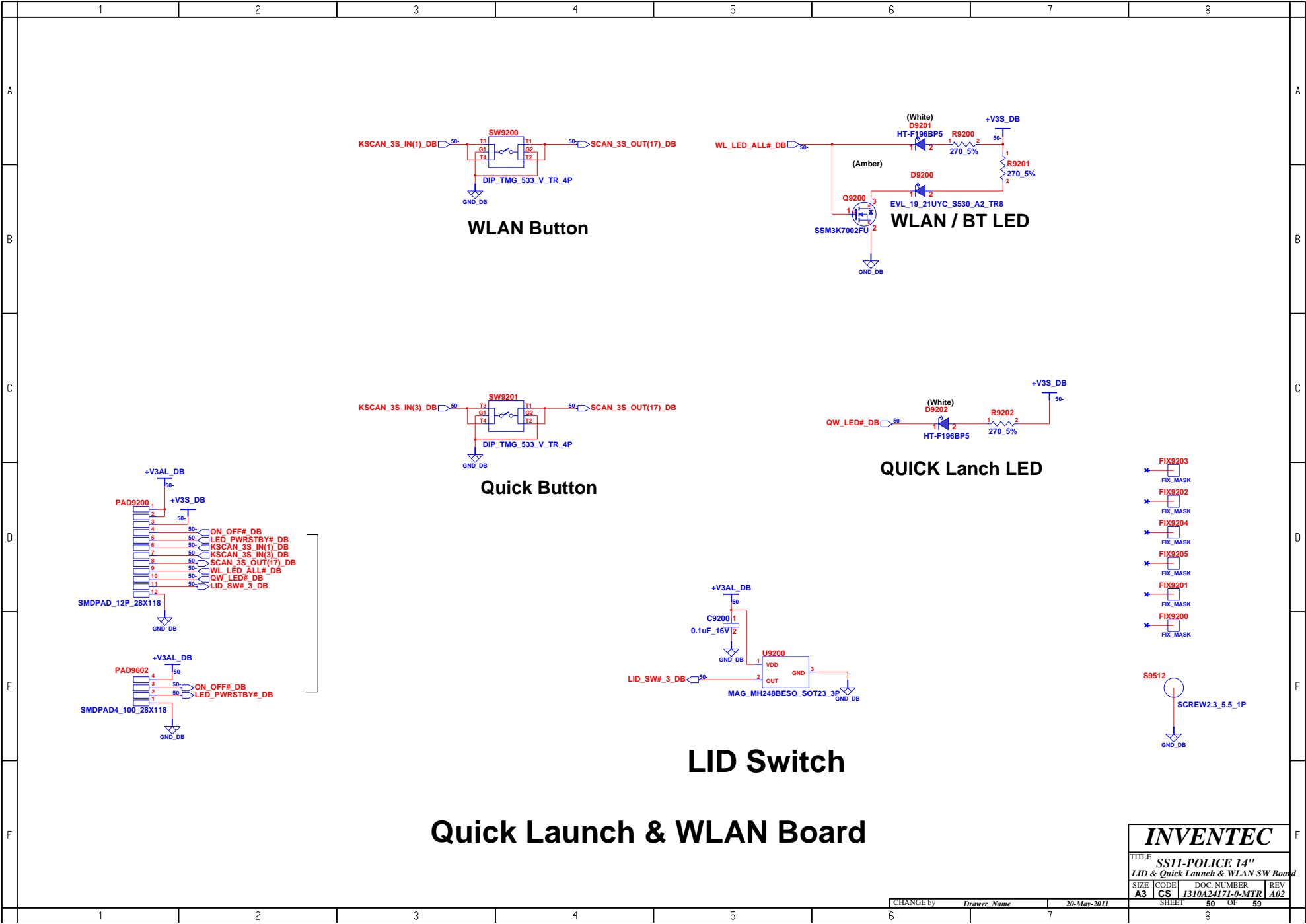
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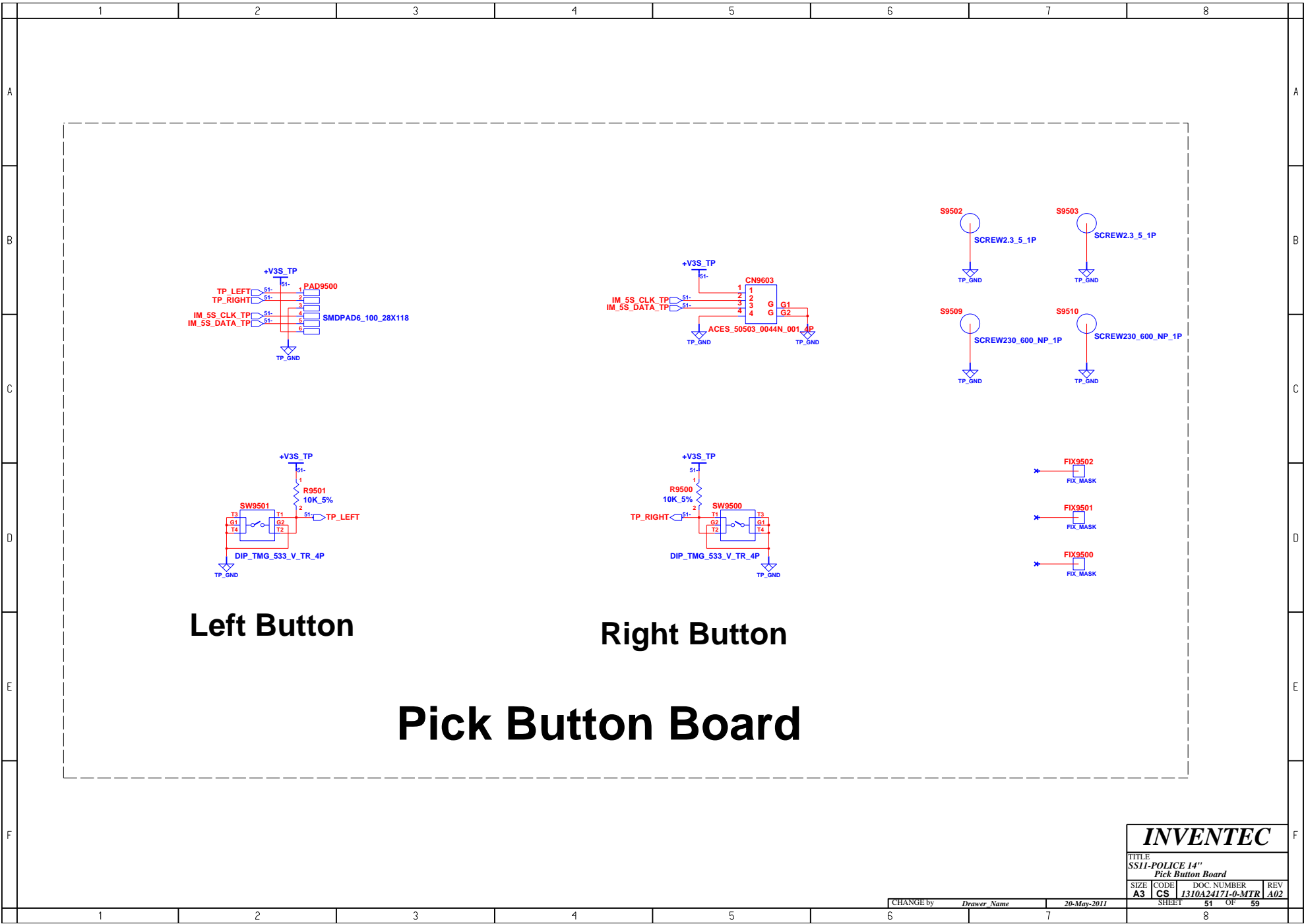
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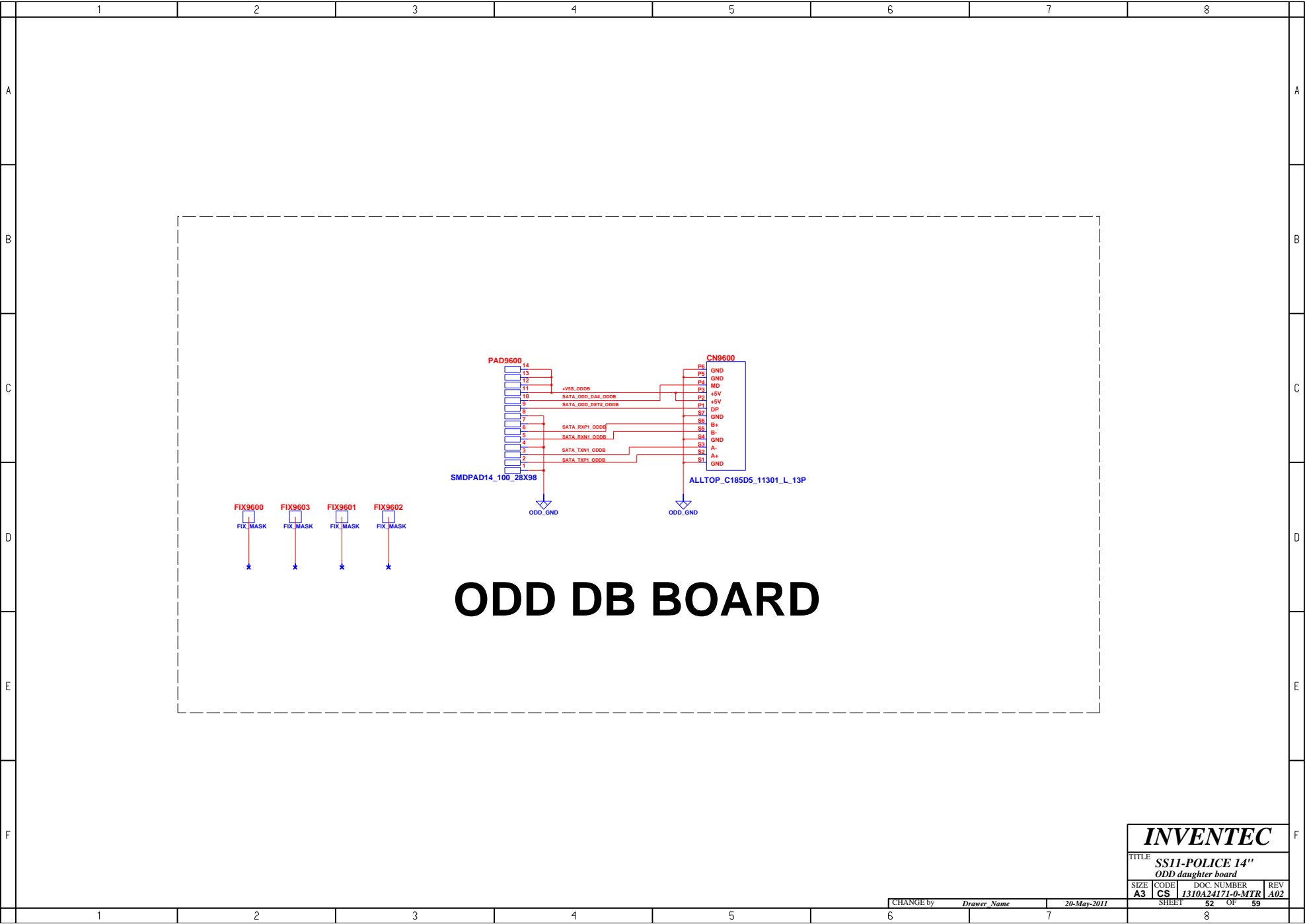
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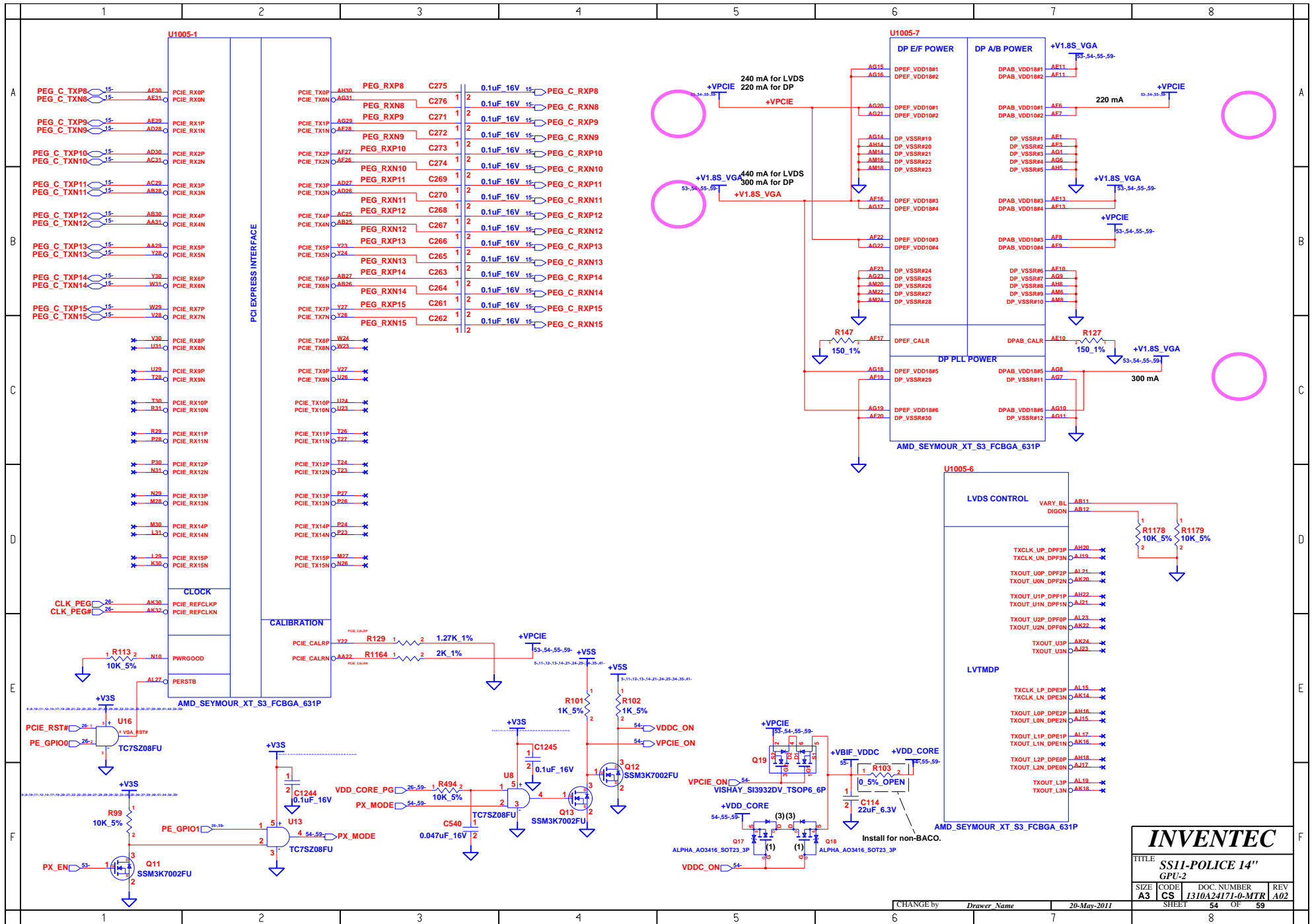
INVENTEC			
TITLE			
SS11-POLICE 14"			
USB Board (Right side)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	A02
CHANGE by		20-May-2011	
Drawer Name			
SHEET		48	OF 59





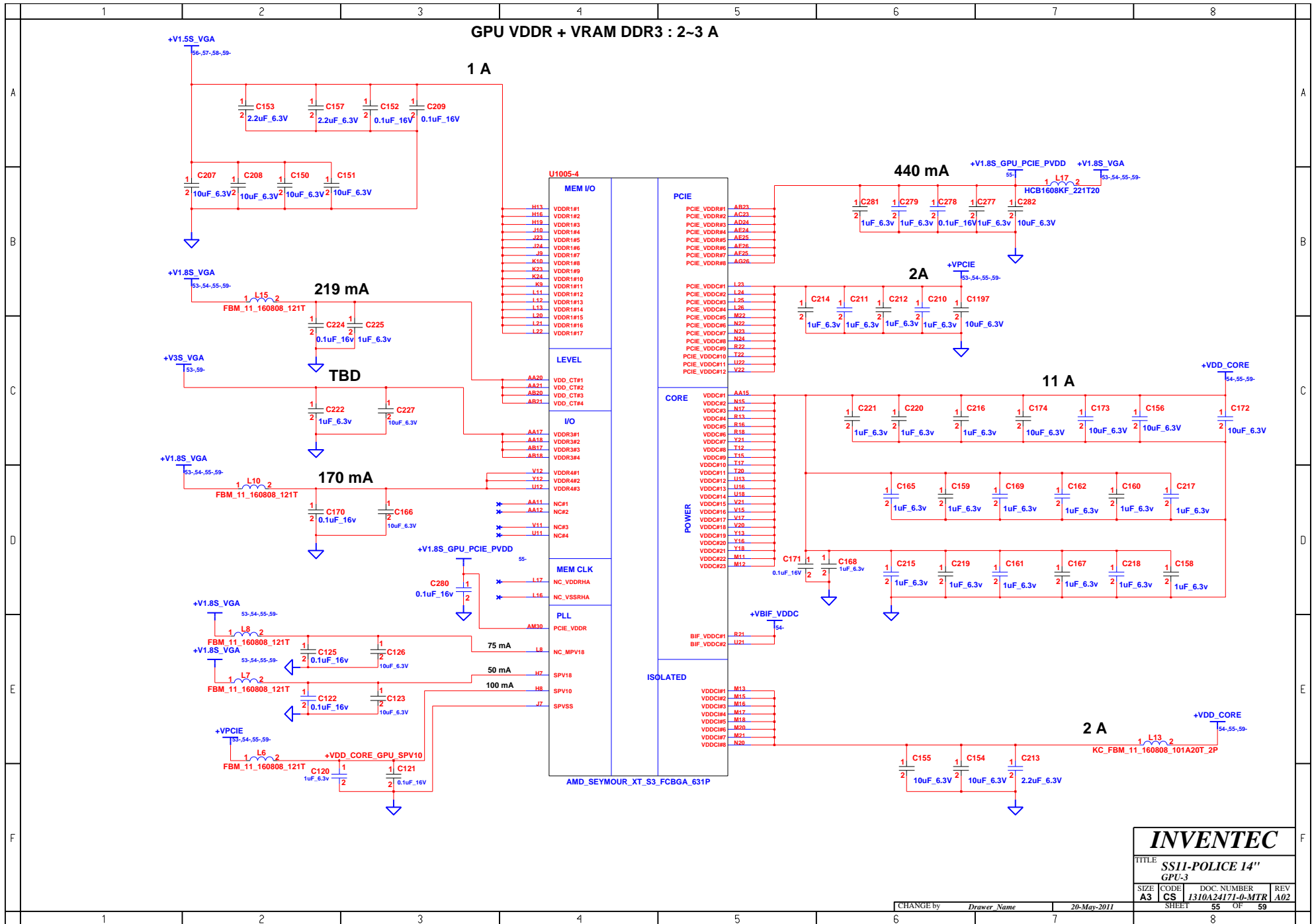


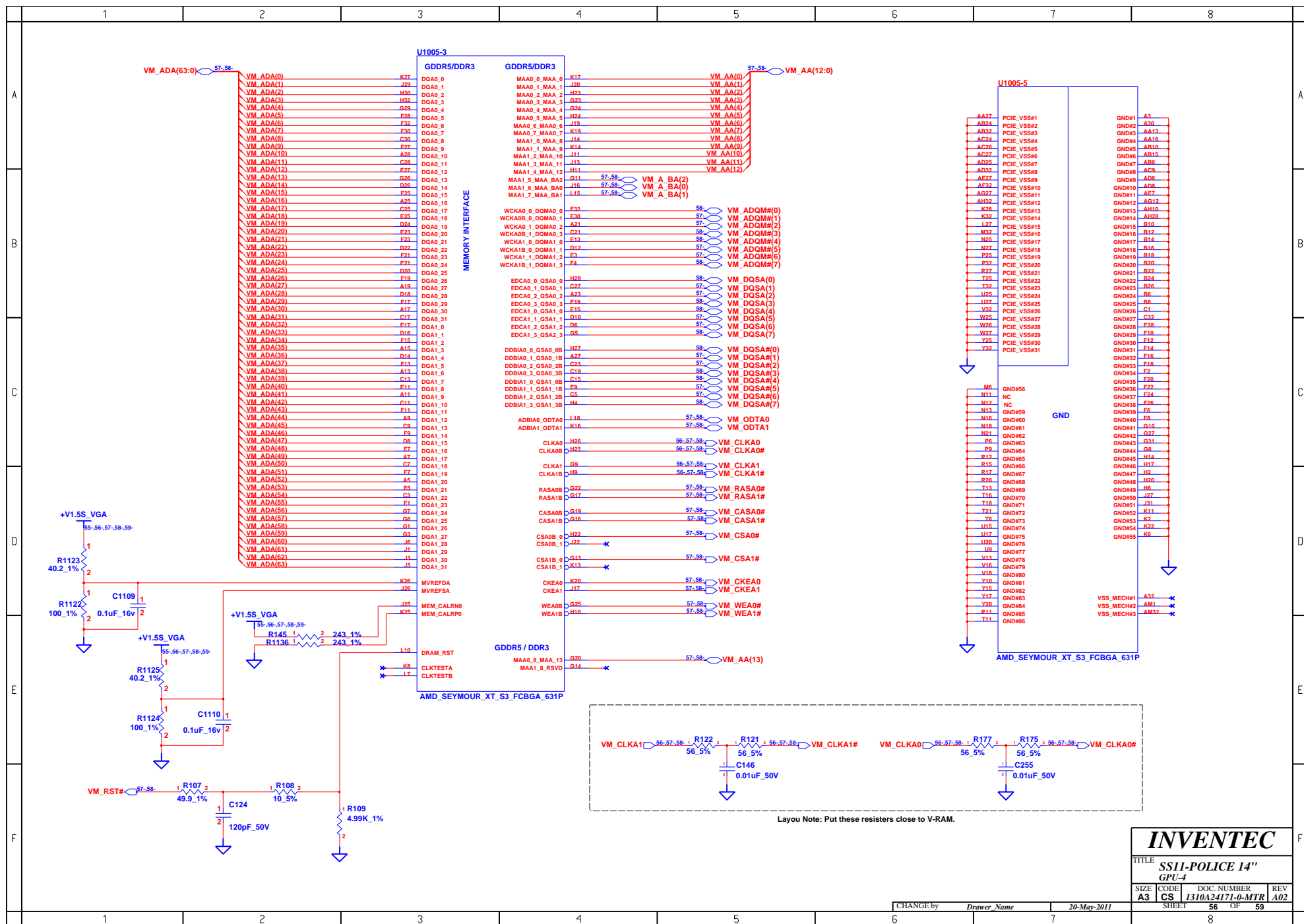


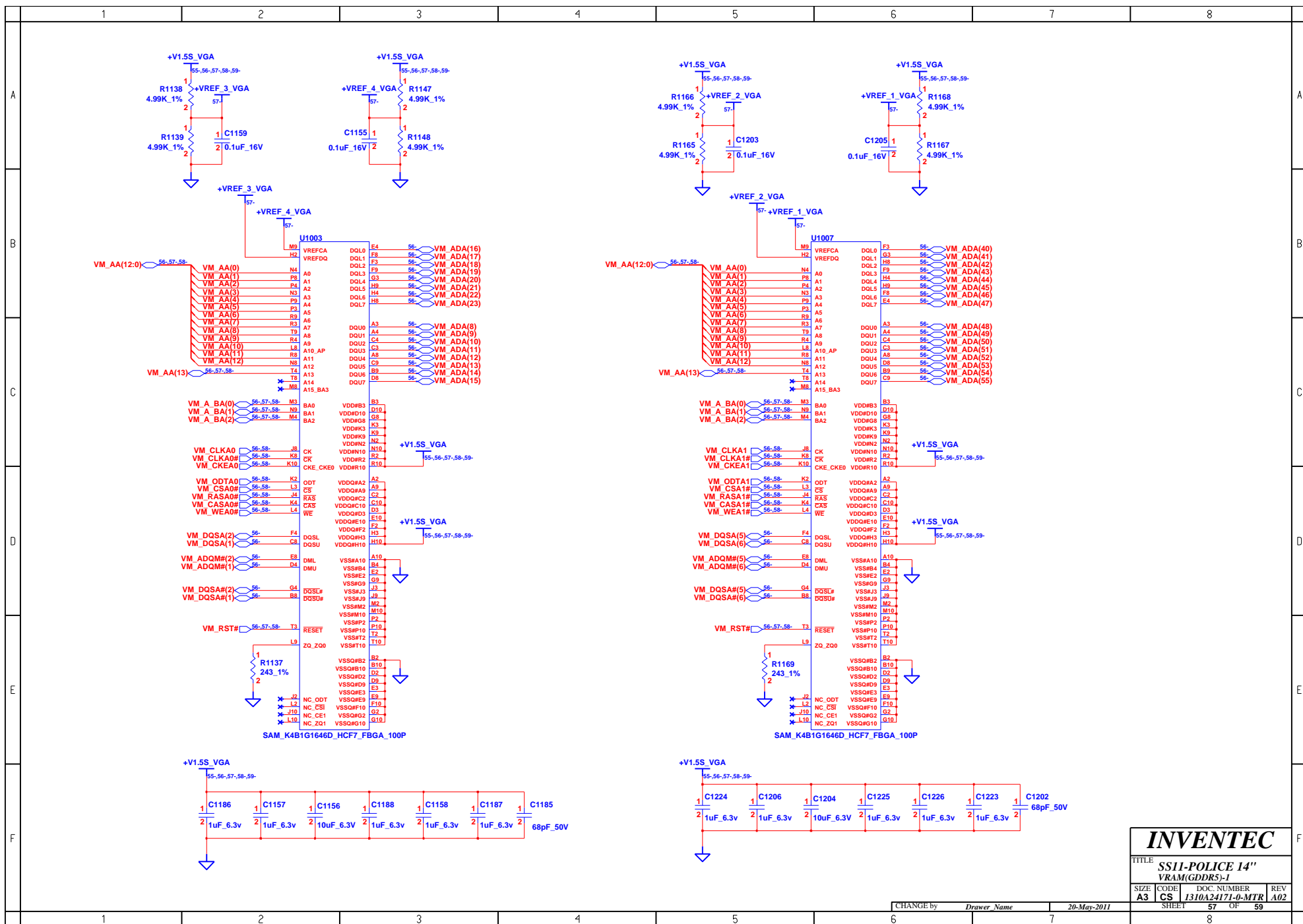


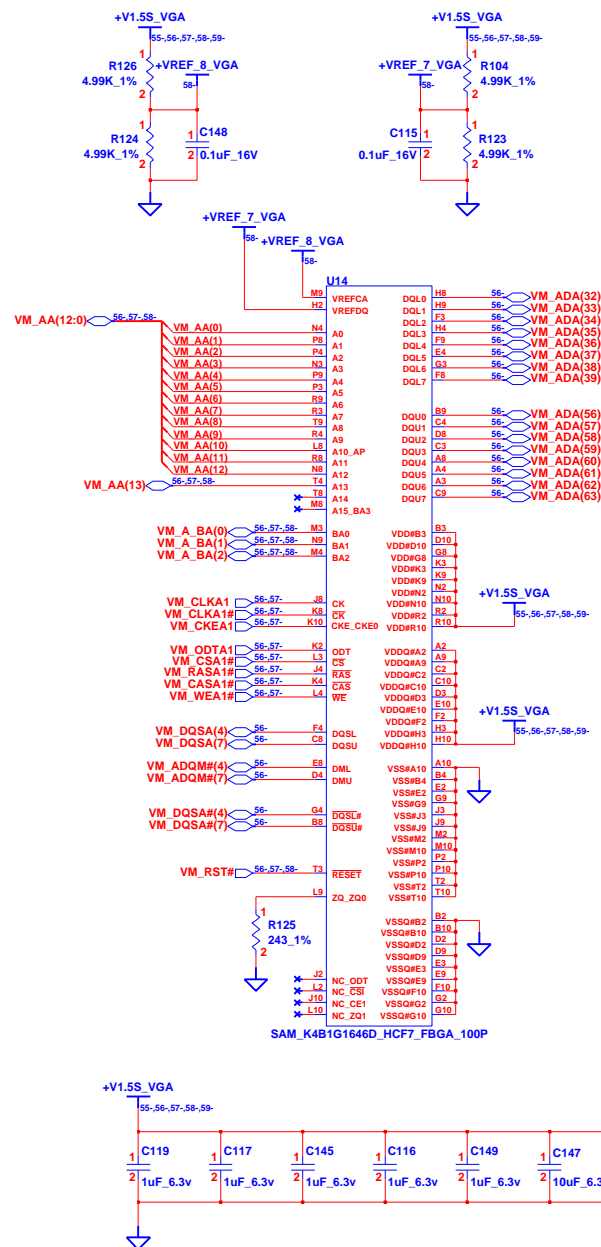
INVENTEC

TITLE			
SS11-POLICE 14" GPU-2			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24171-0-MTR	A02
SHEET		54	OF 59









SIZE A3	CODE CS	DOC. NUMBER 1310A24171-0-MTR	REV A02
SHEET		58	OF 59

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