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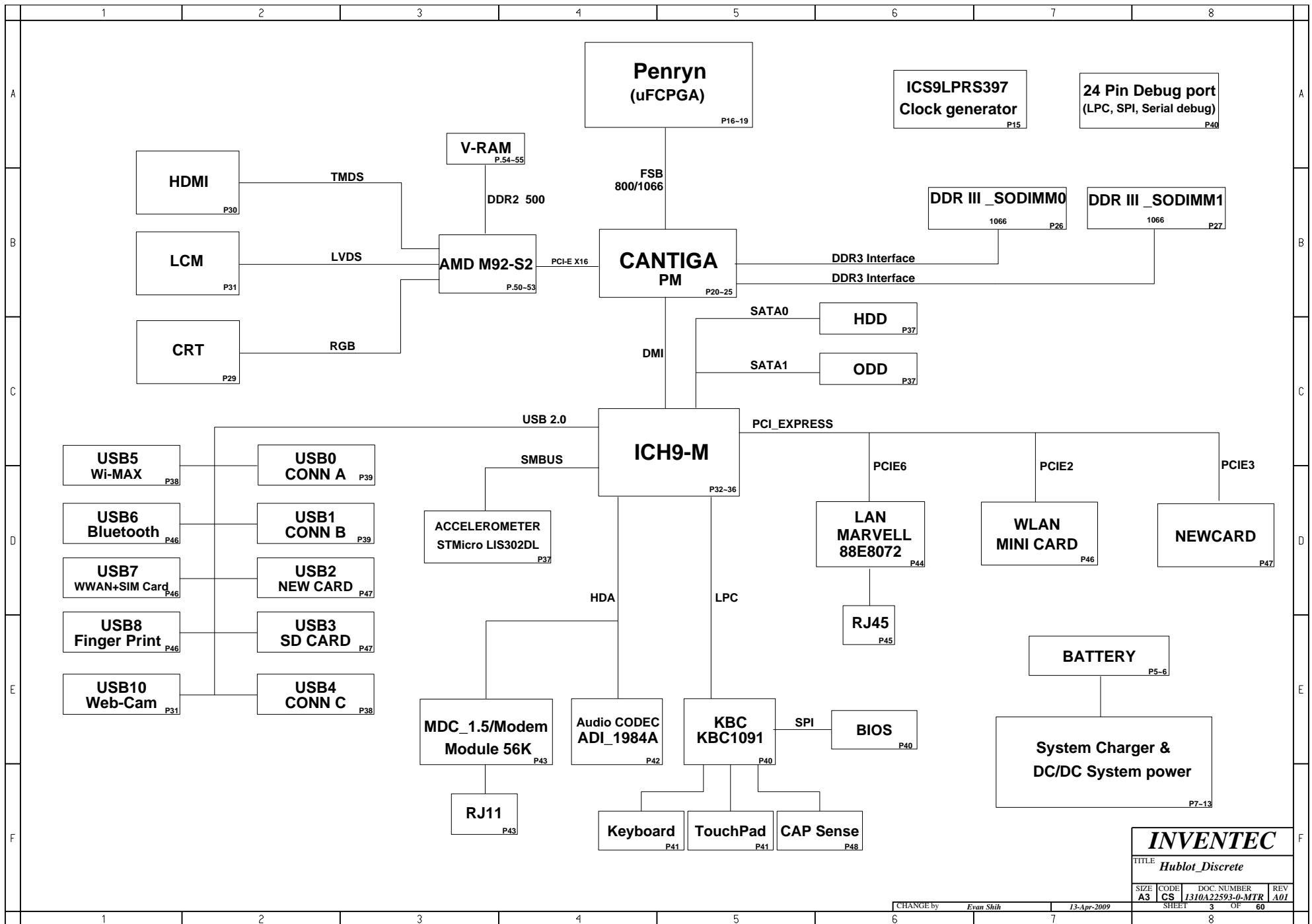
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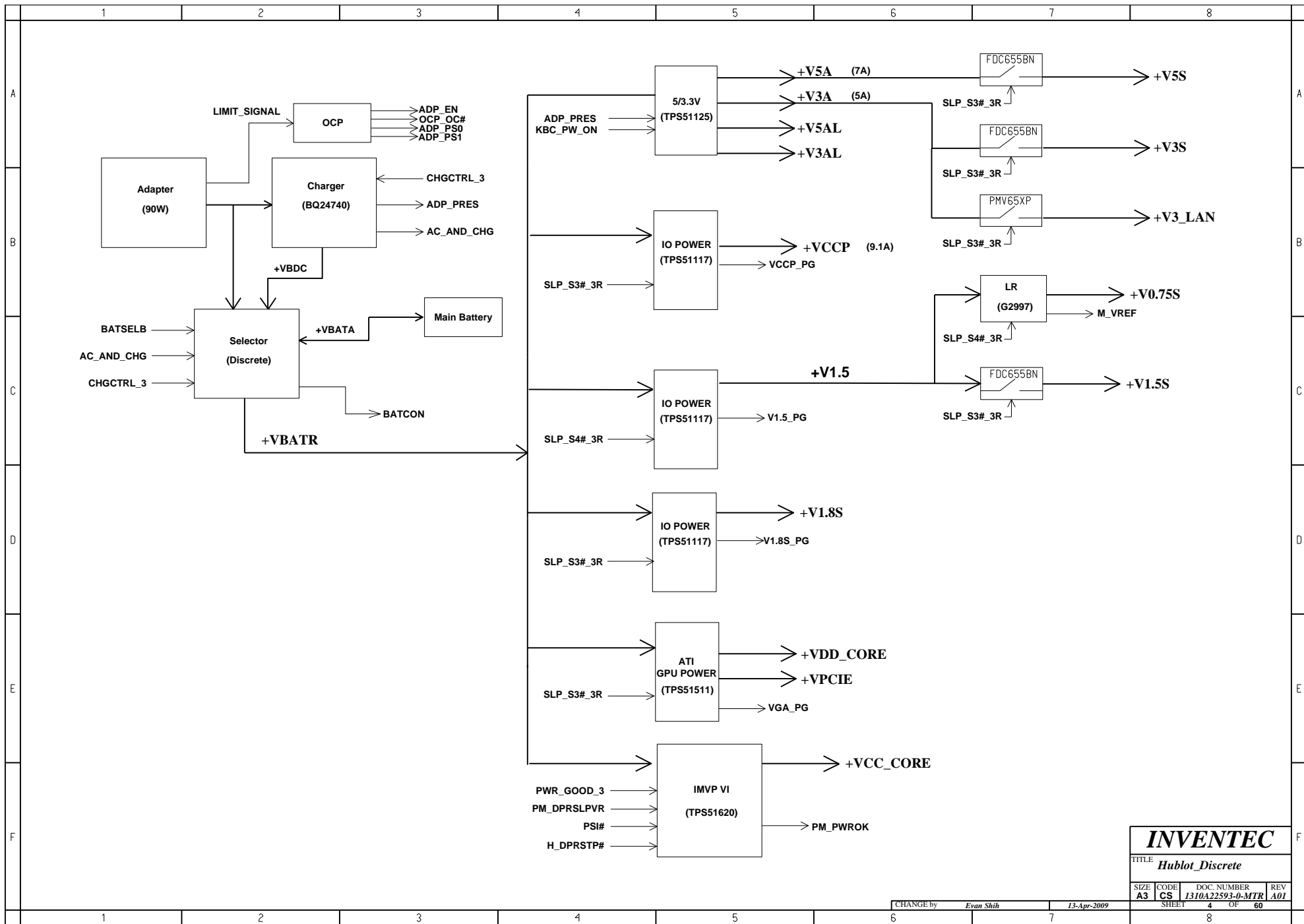
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SIZE A3	CODE CS	DOC. NUMBER I310A22593-0-MTR	REV A01
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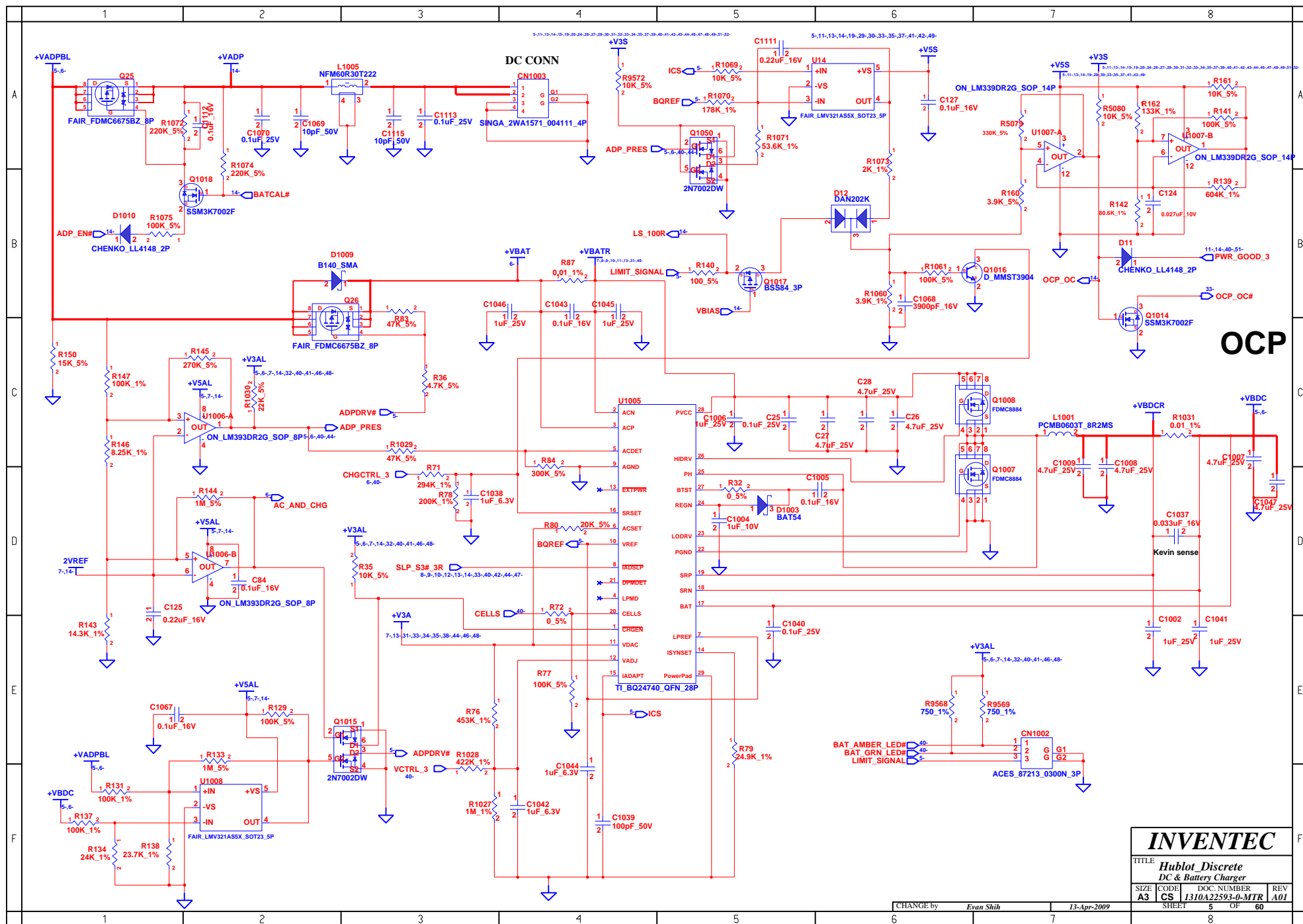
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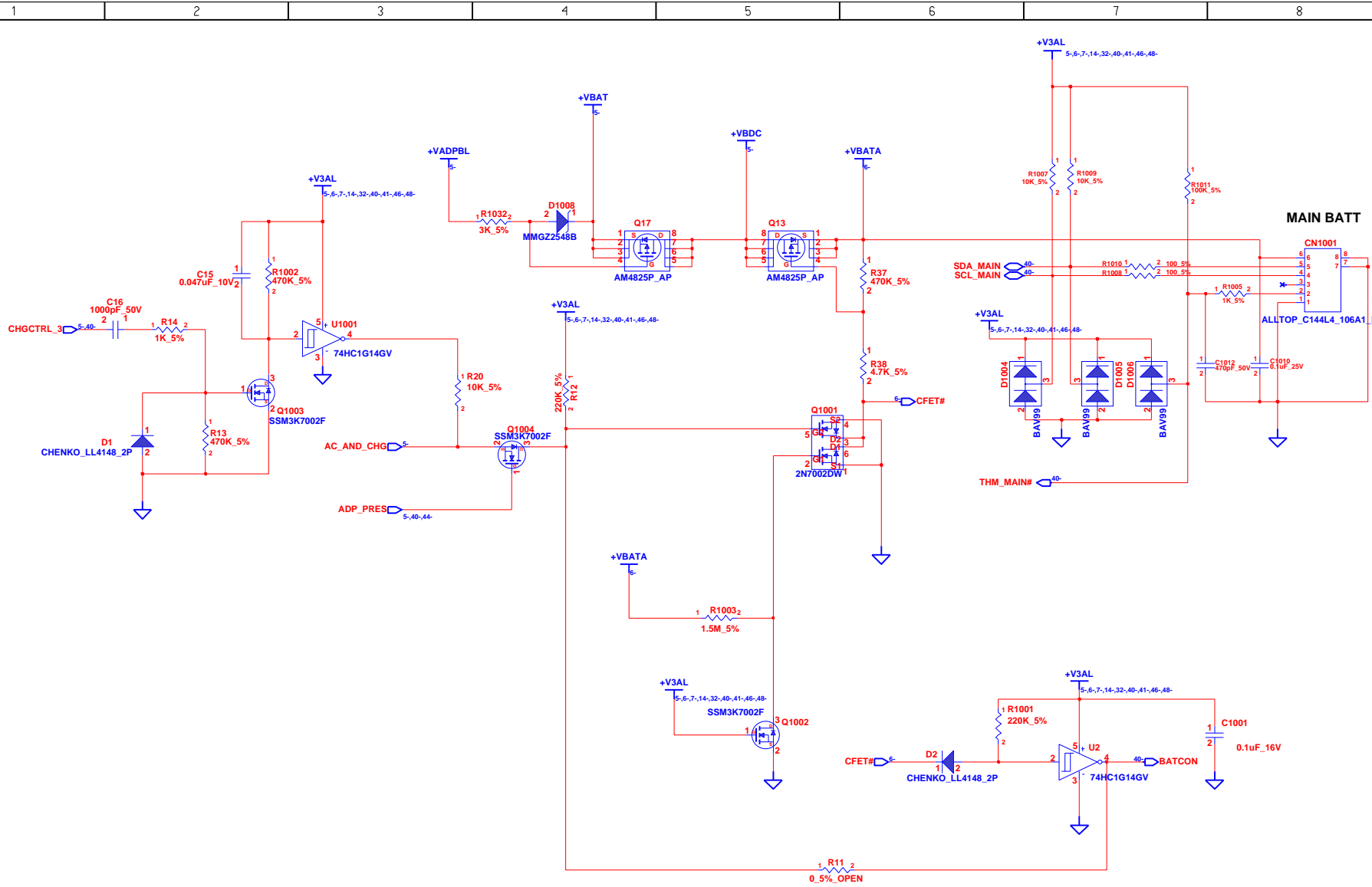




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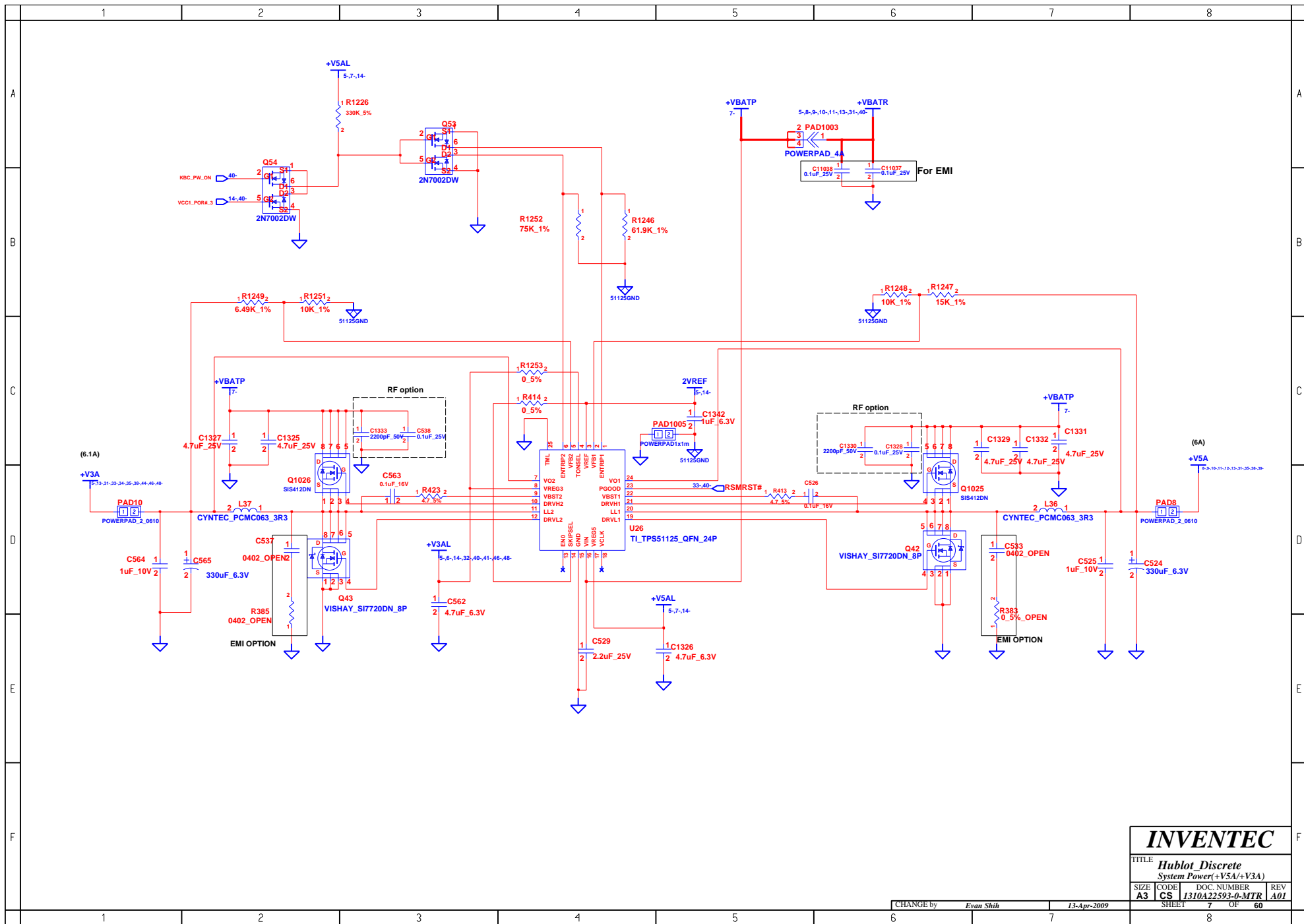




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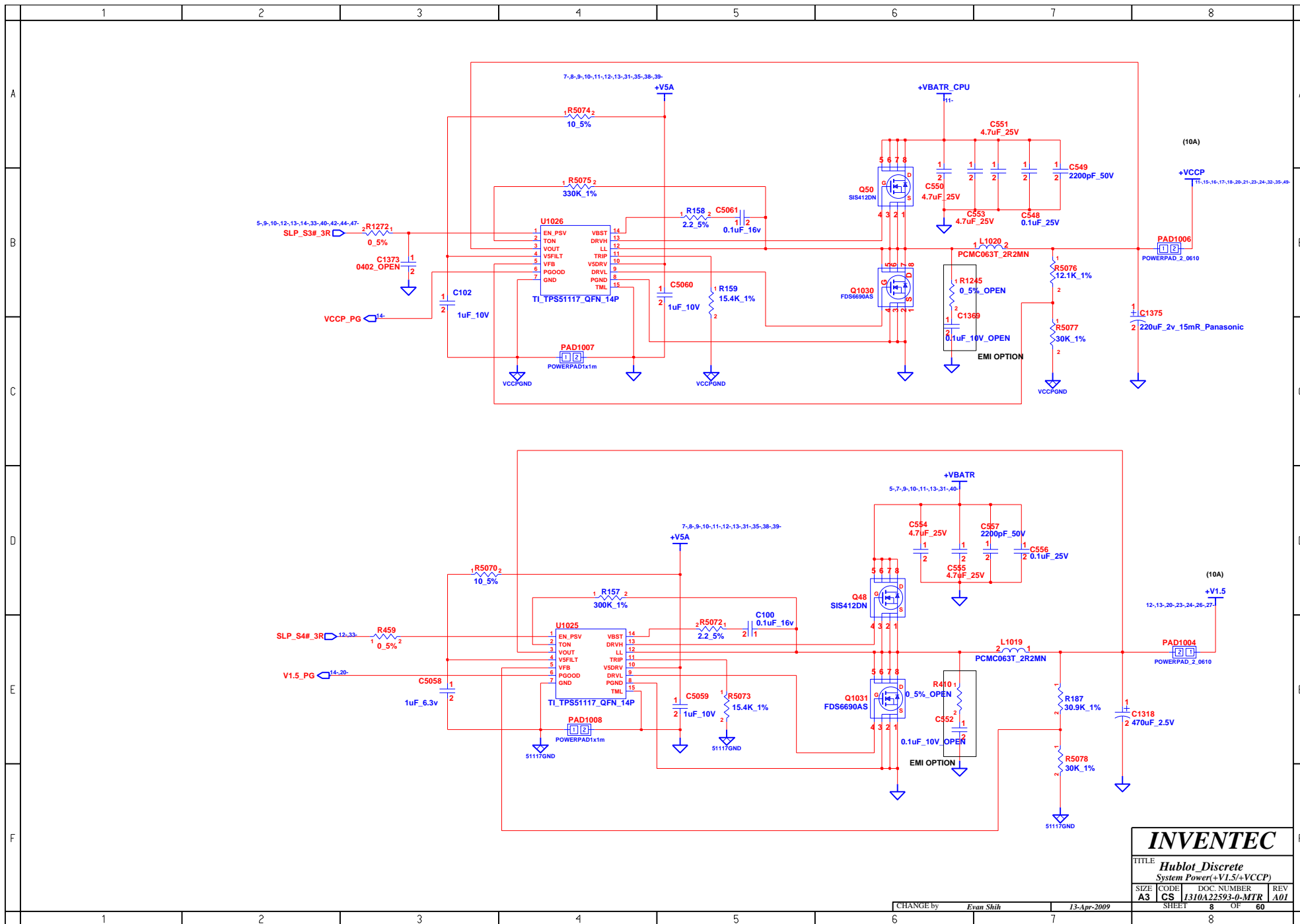
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CHANGE by Evan Shih 13-Apr-2009



INVENTEC

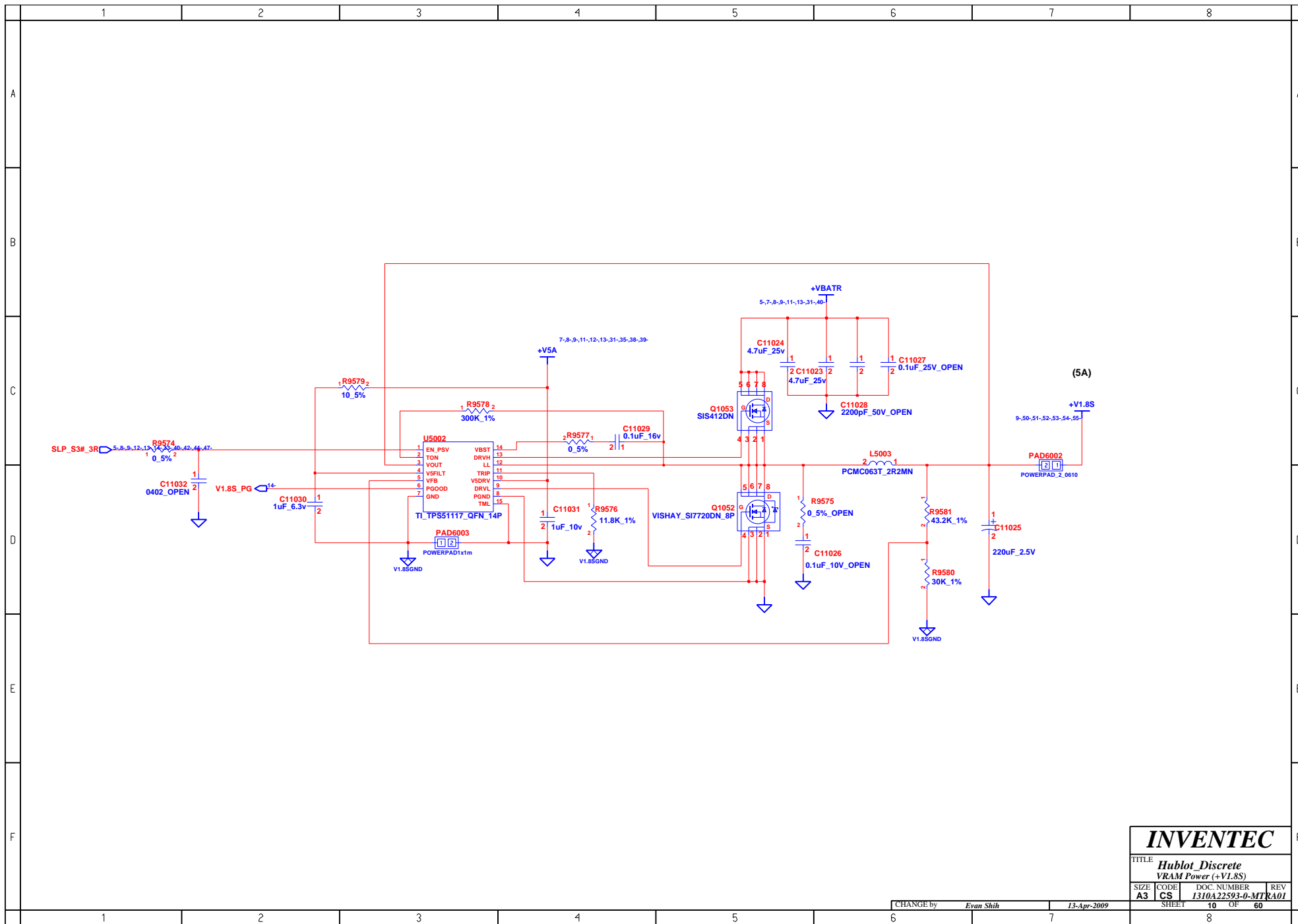
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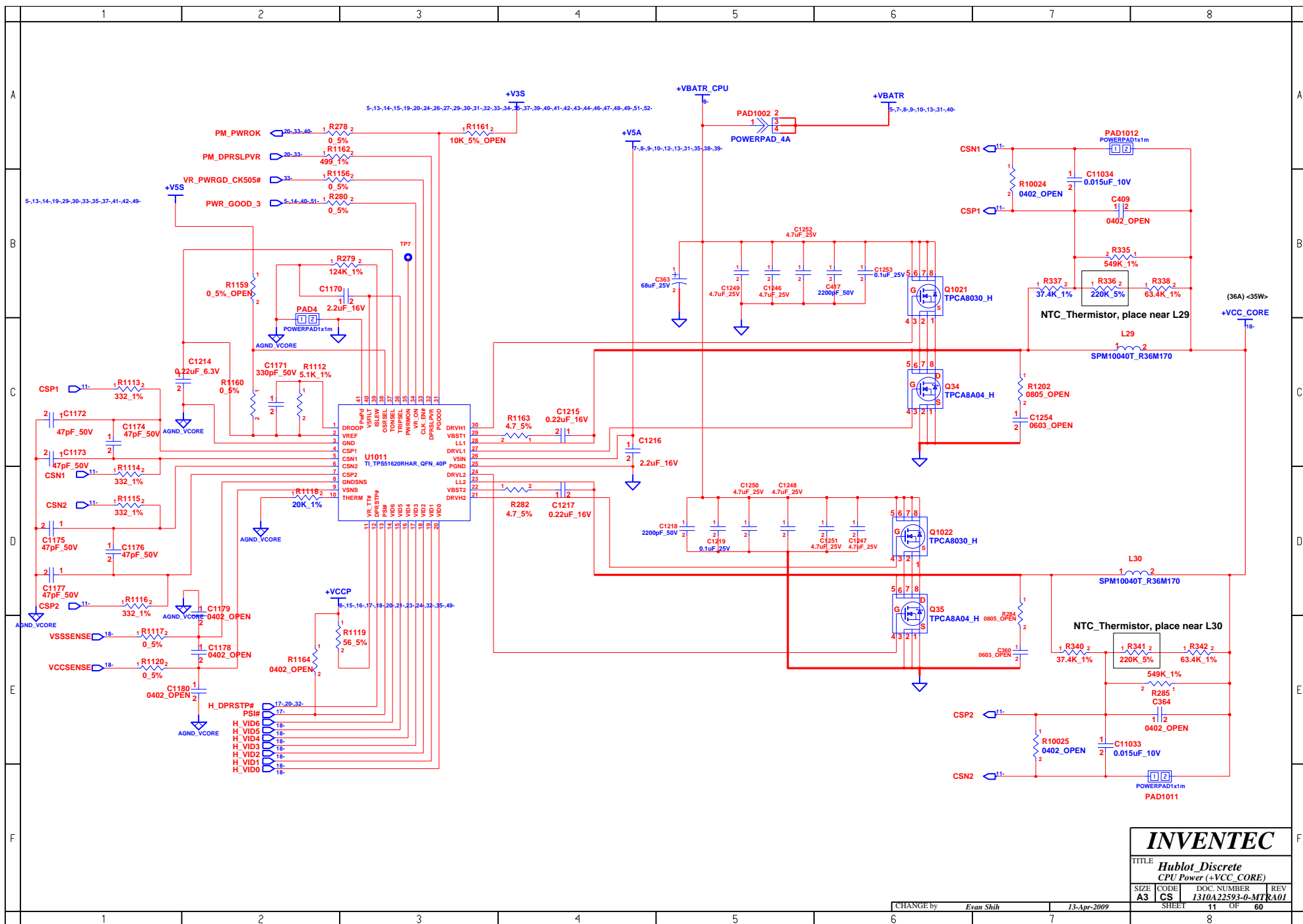


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CHANGE by *Evan Shih* 13-Apr-2009

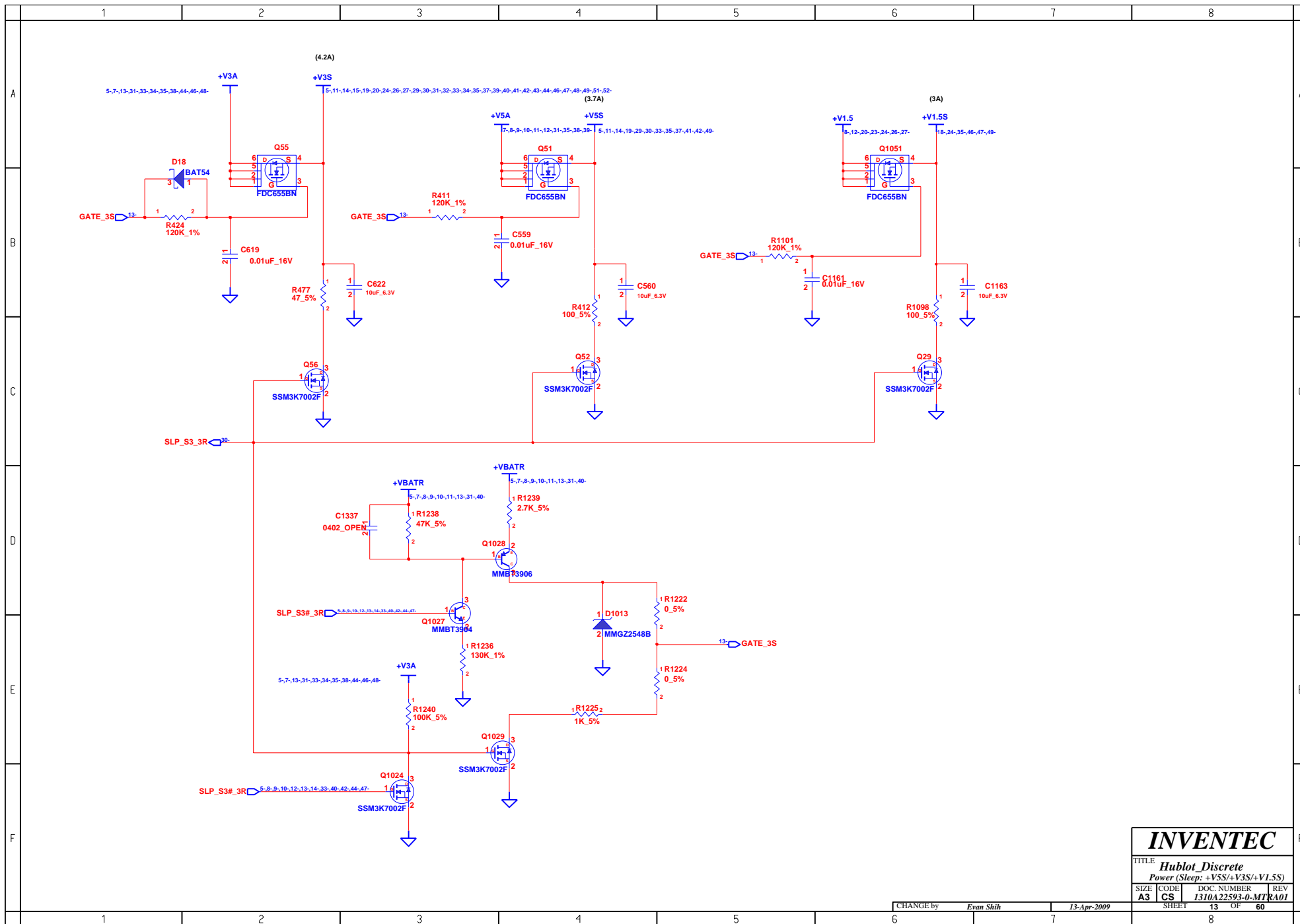


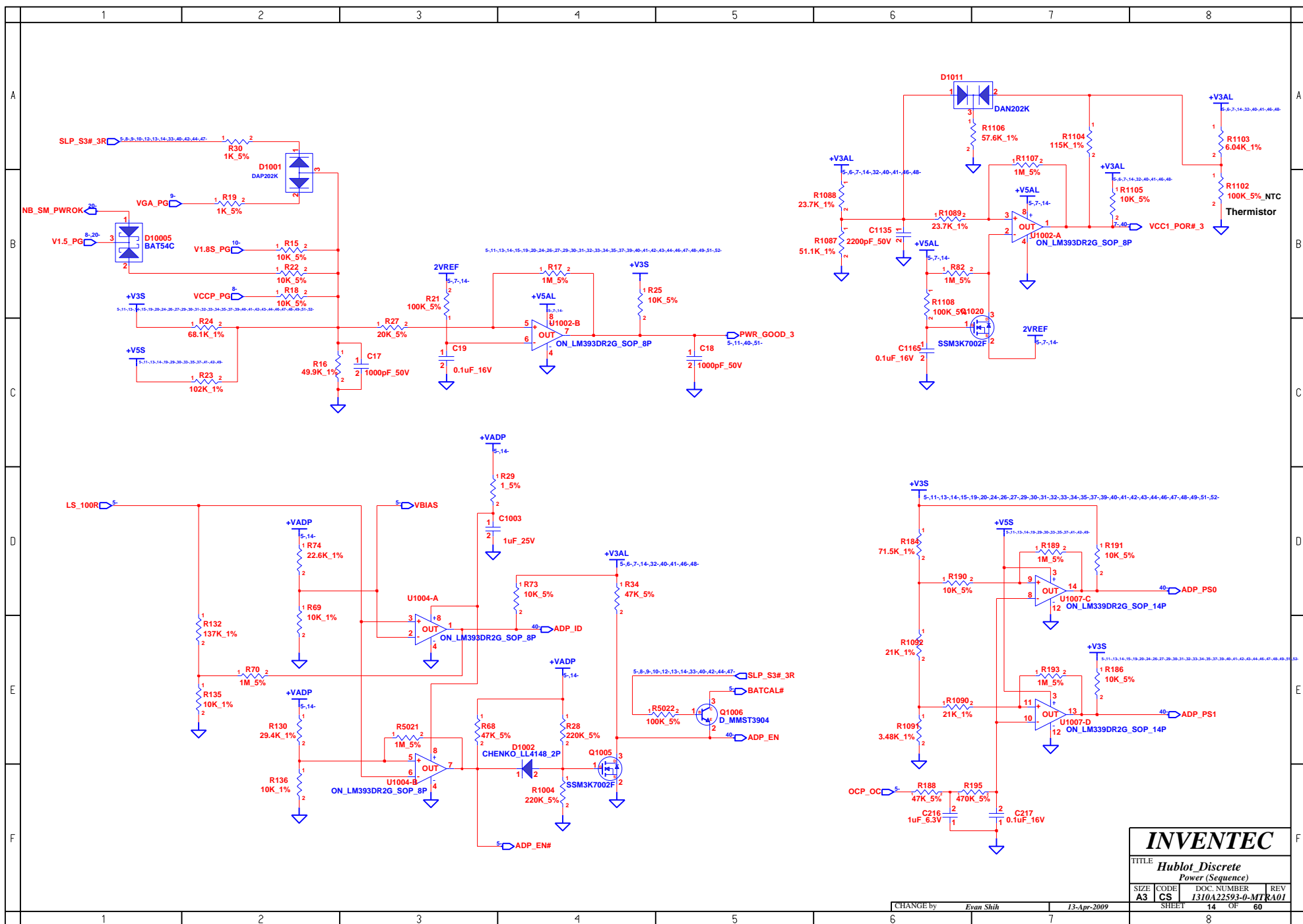


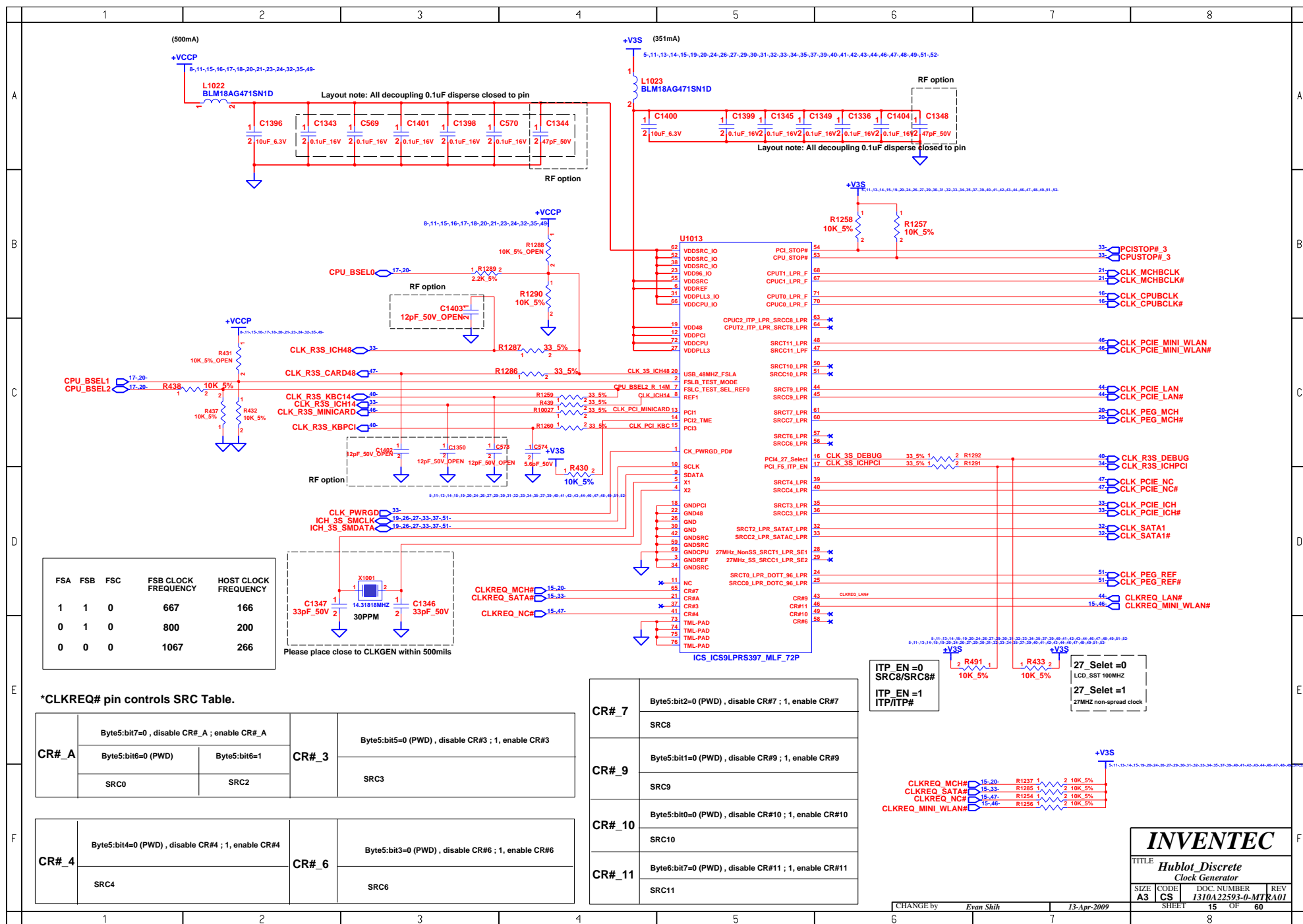


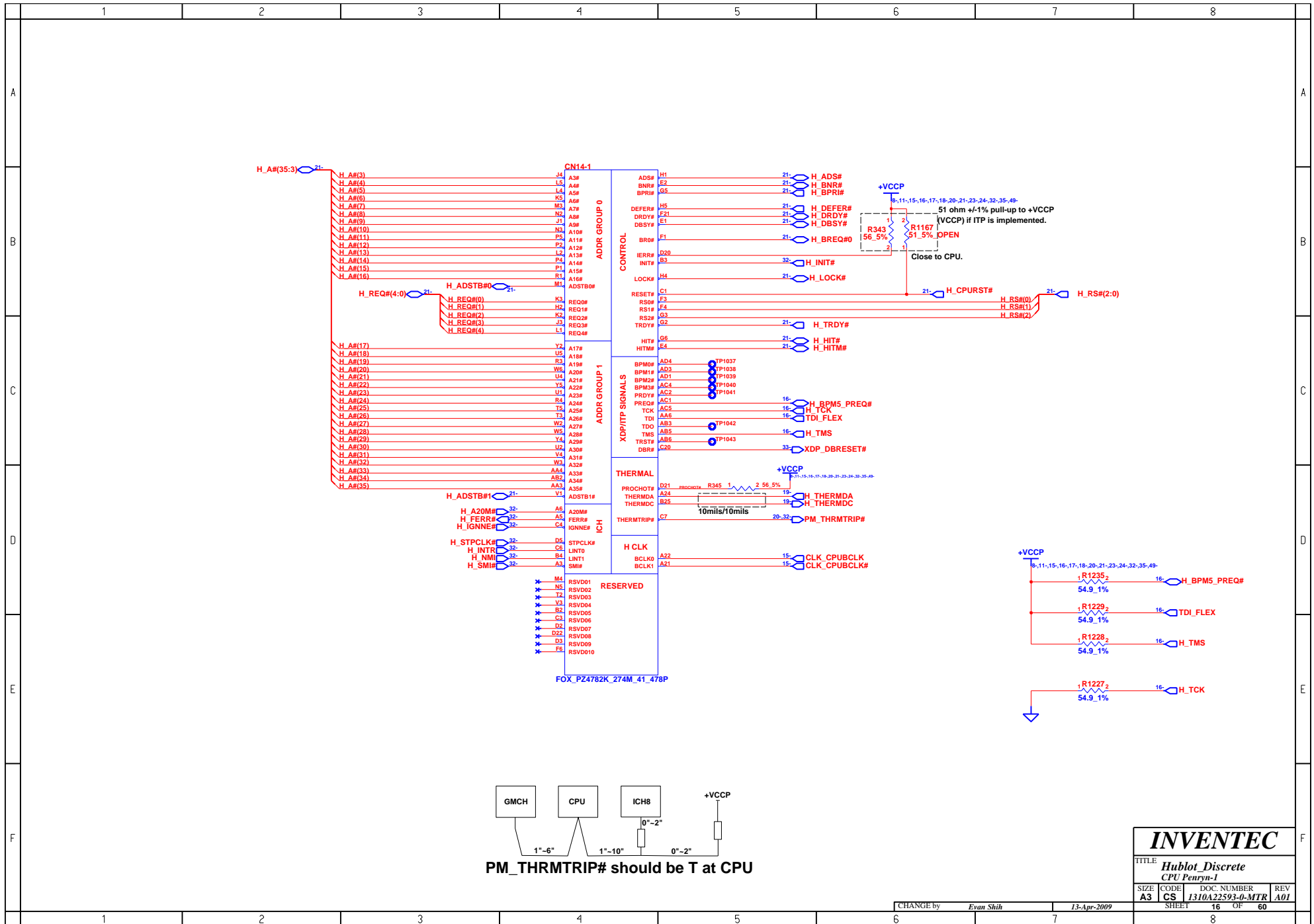
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CHANGE by	<i>Evan Shih</i>	<i>13-Apr-2009</i>
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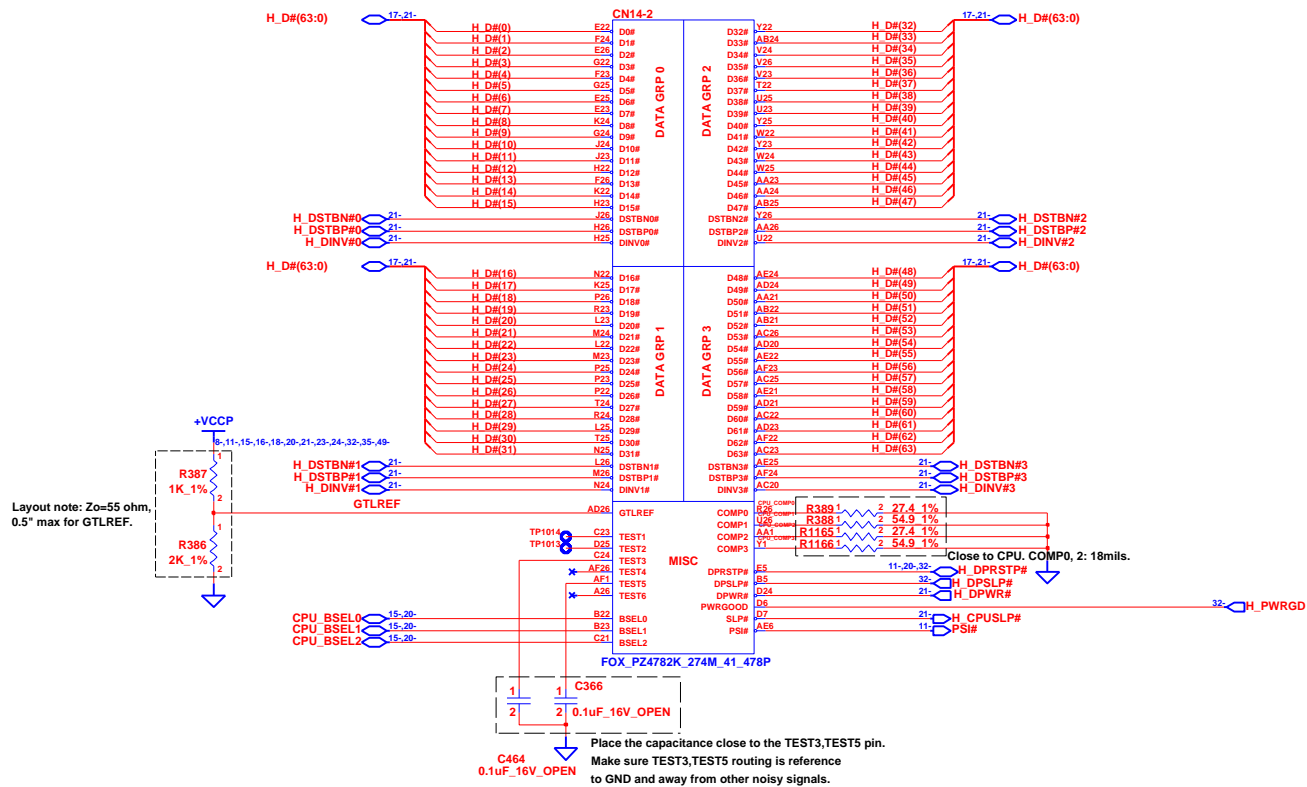




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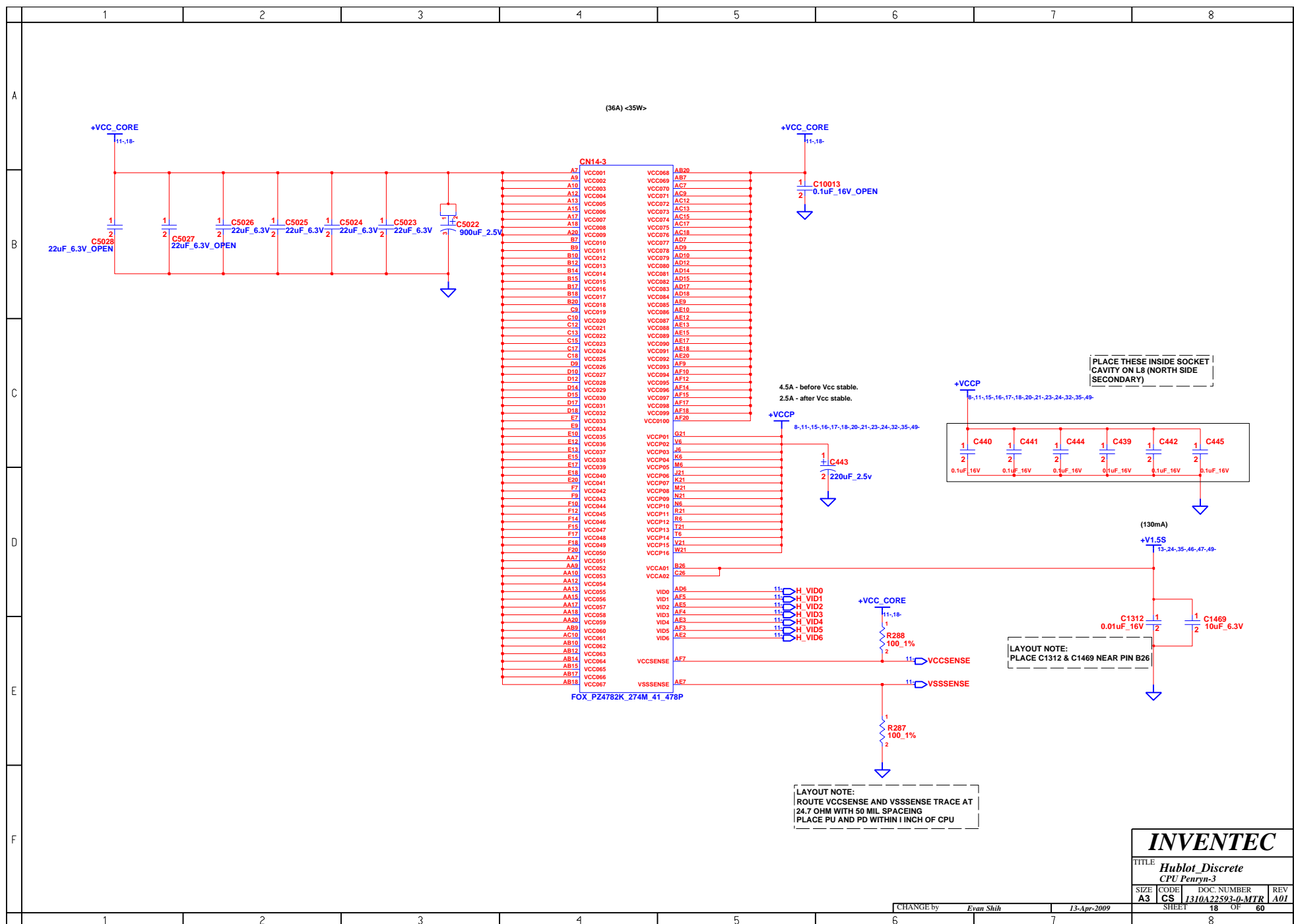
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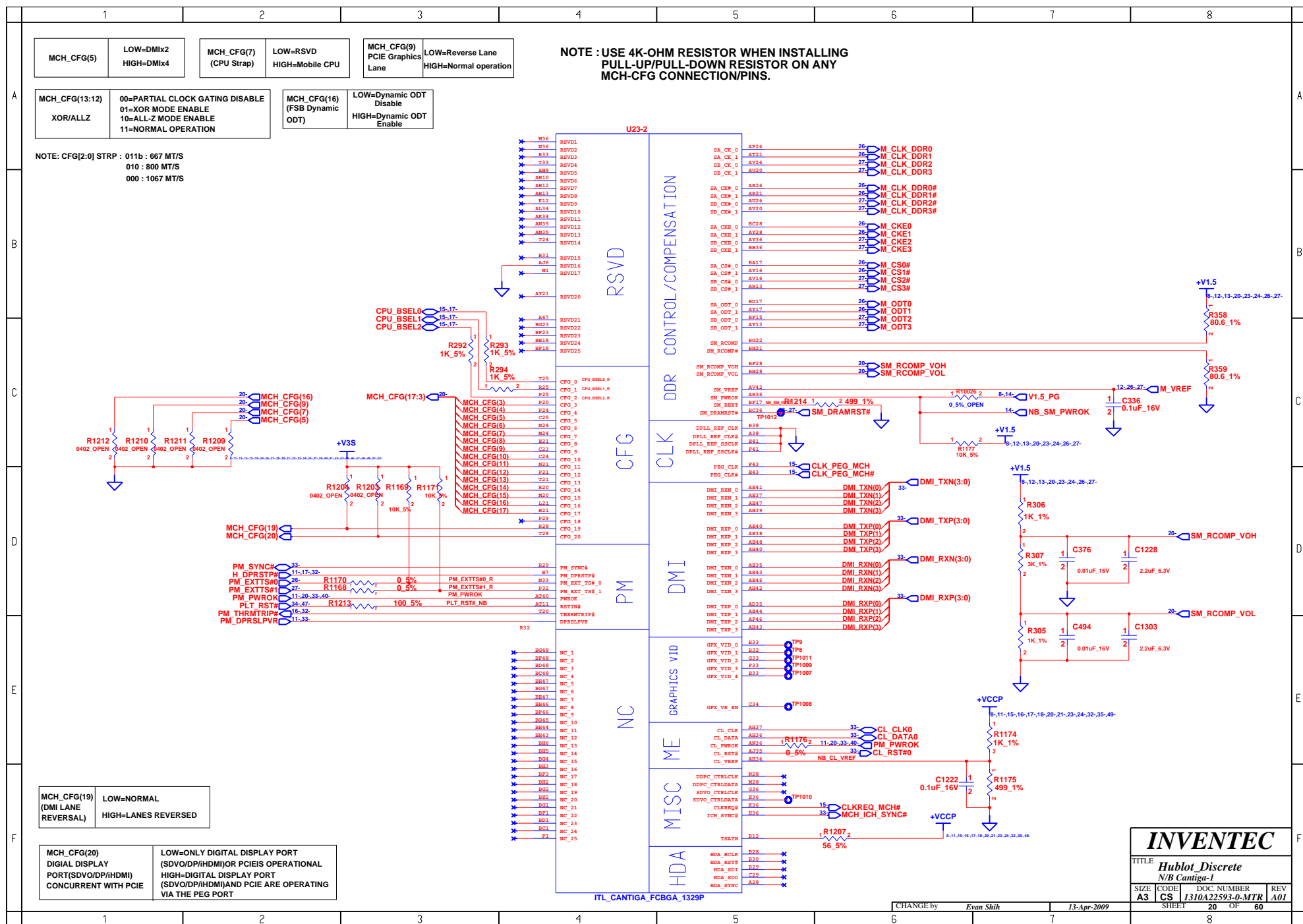


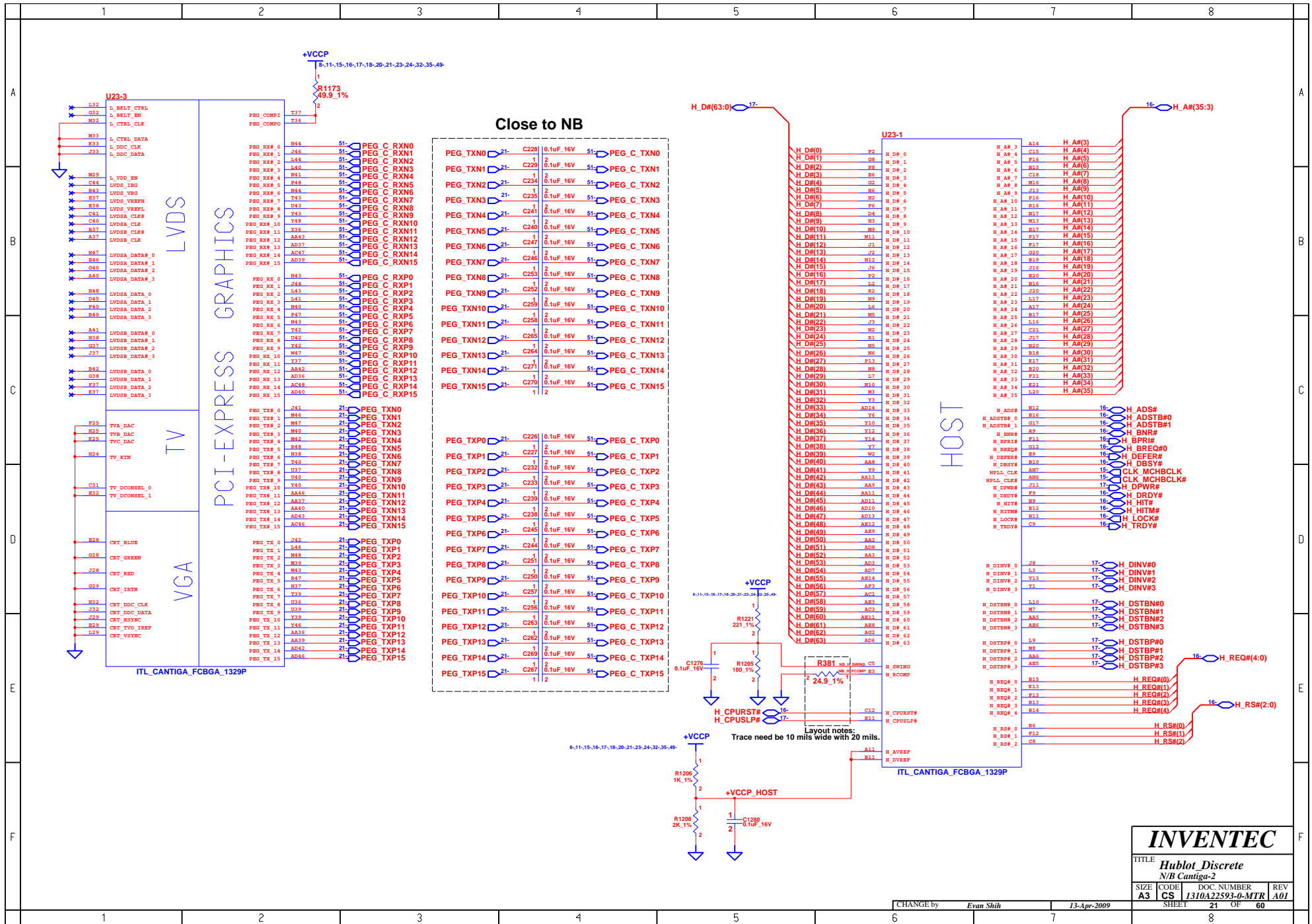
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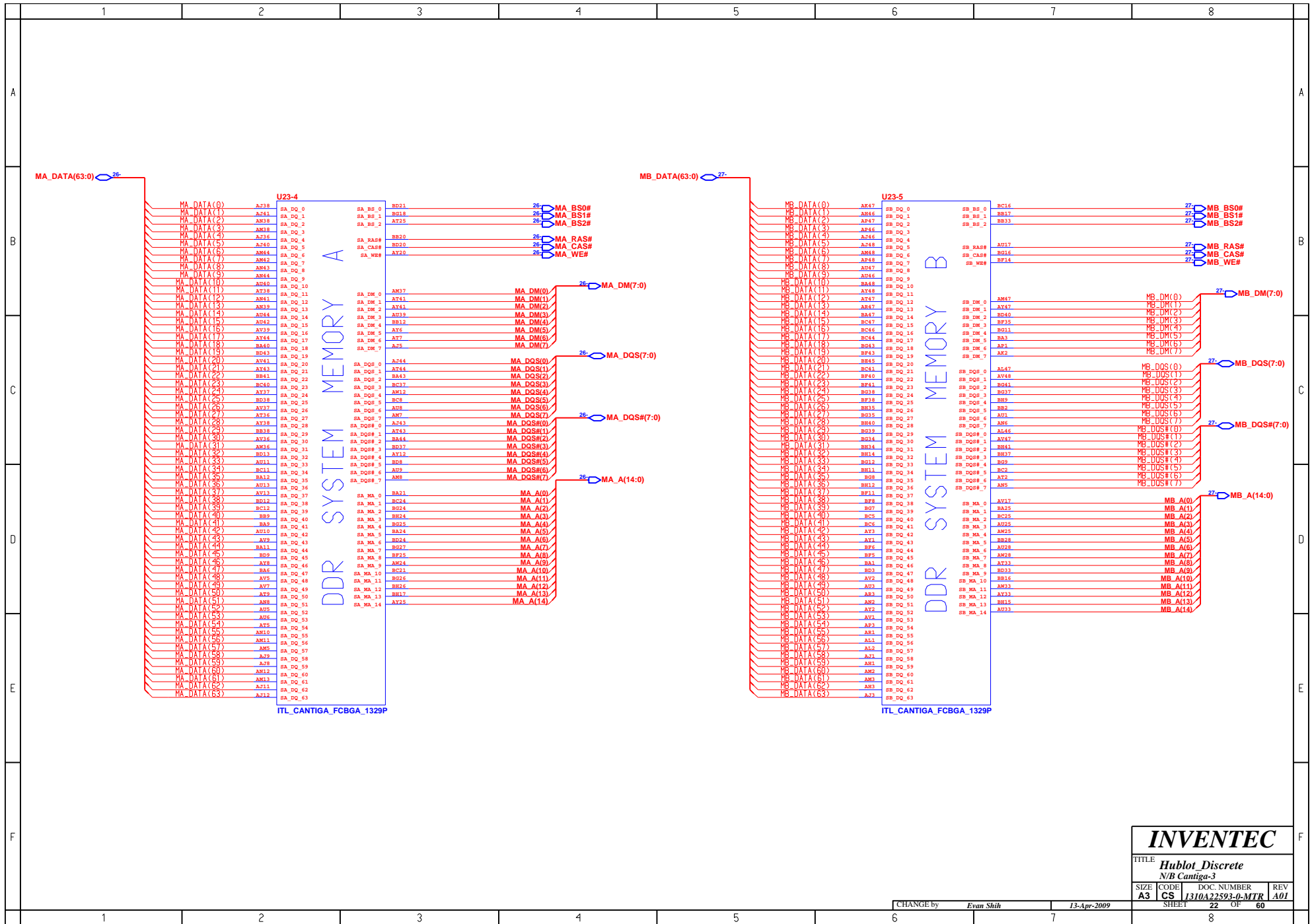
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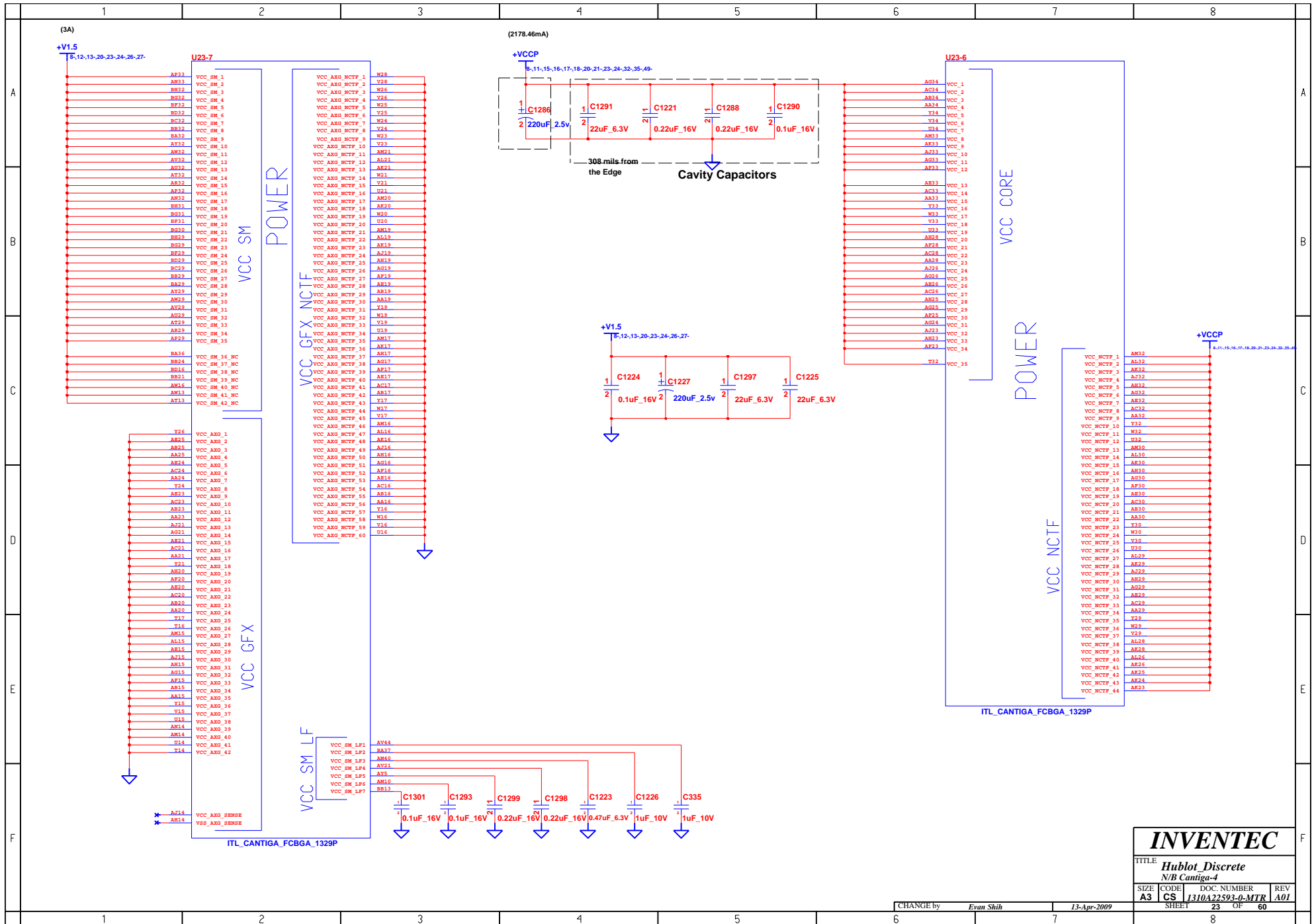


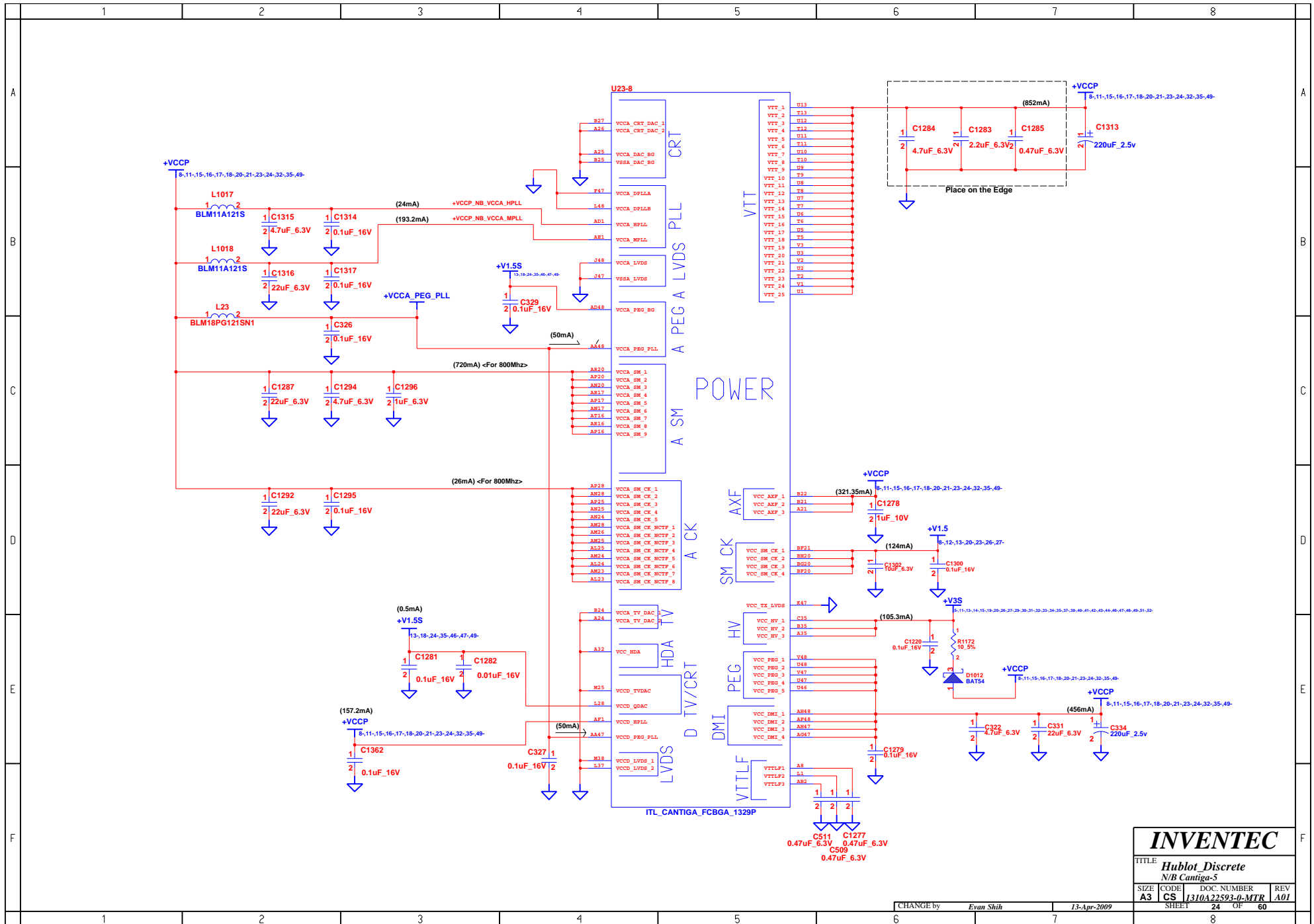


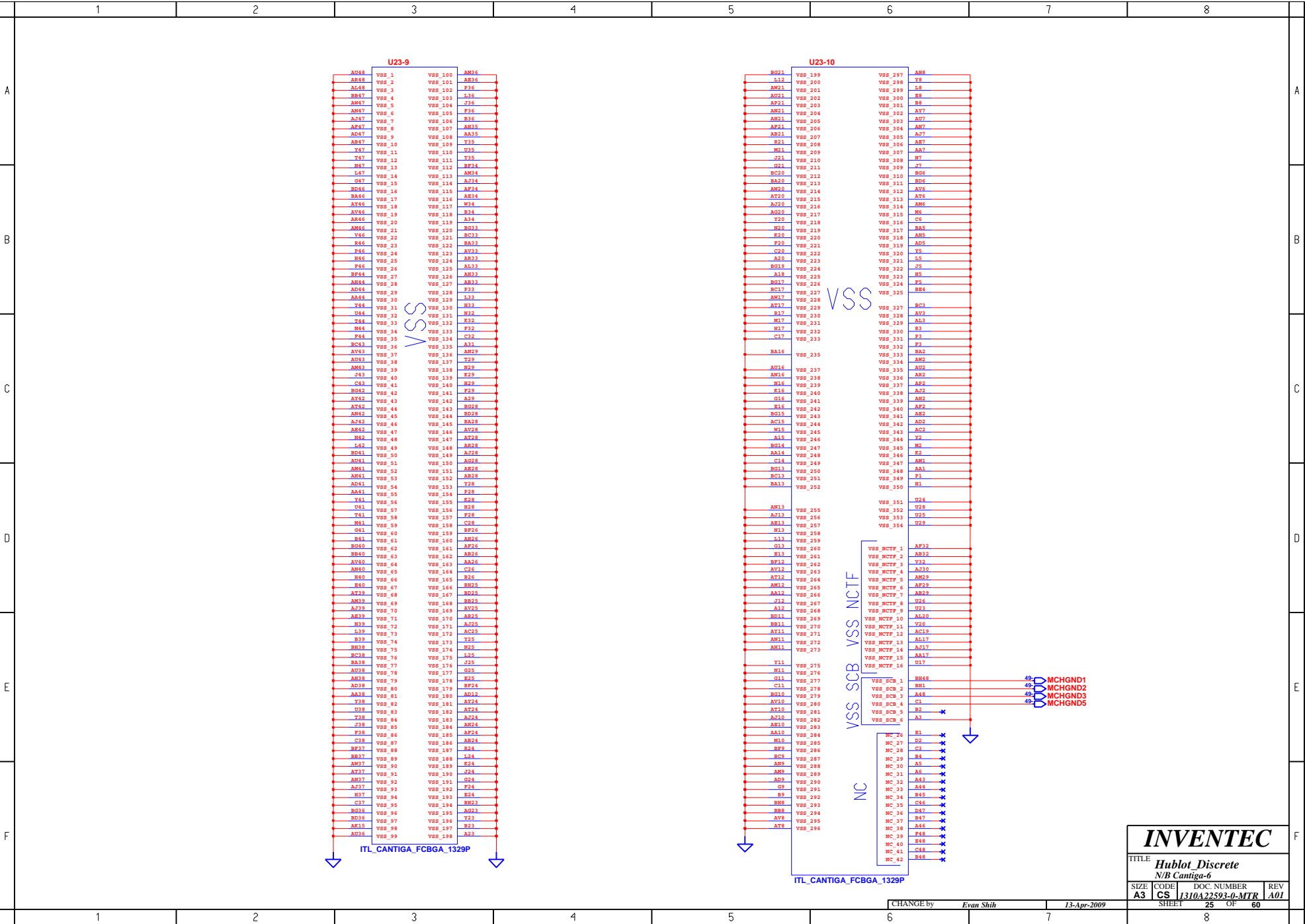
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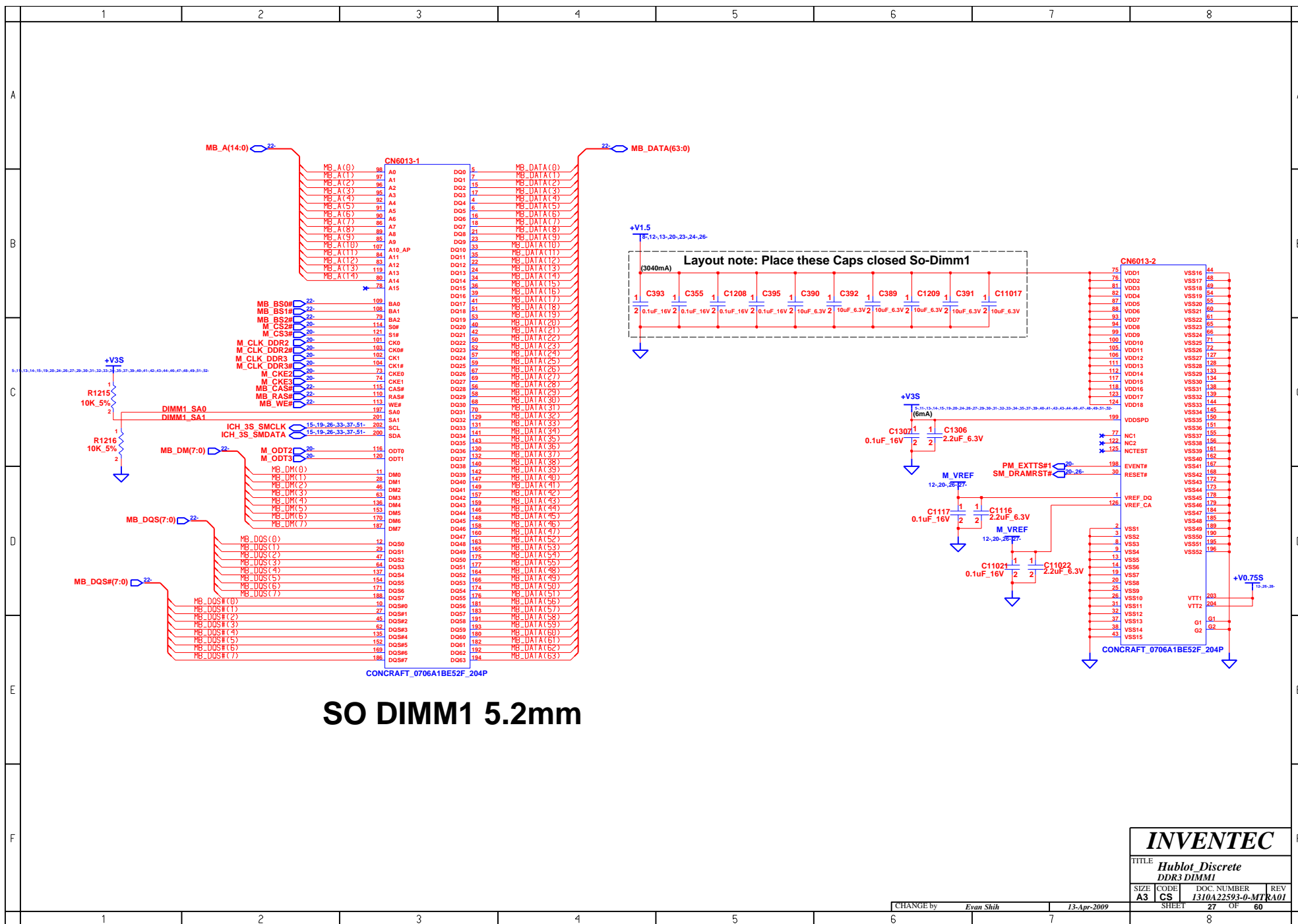
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CHANGE by Evan Shih 13-Apr-2009









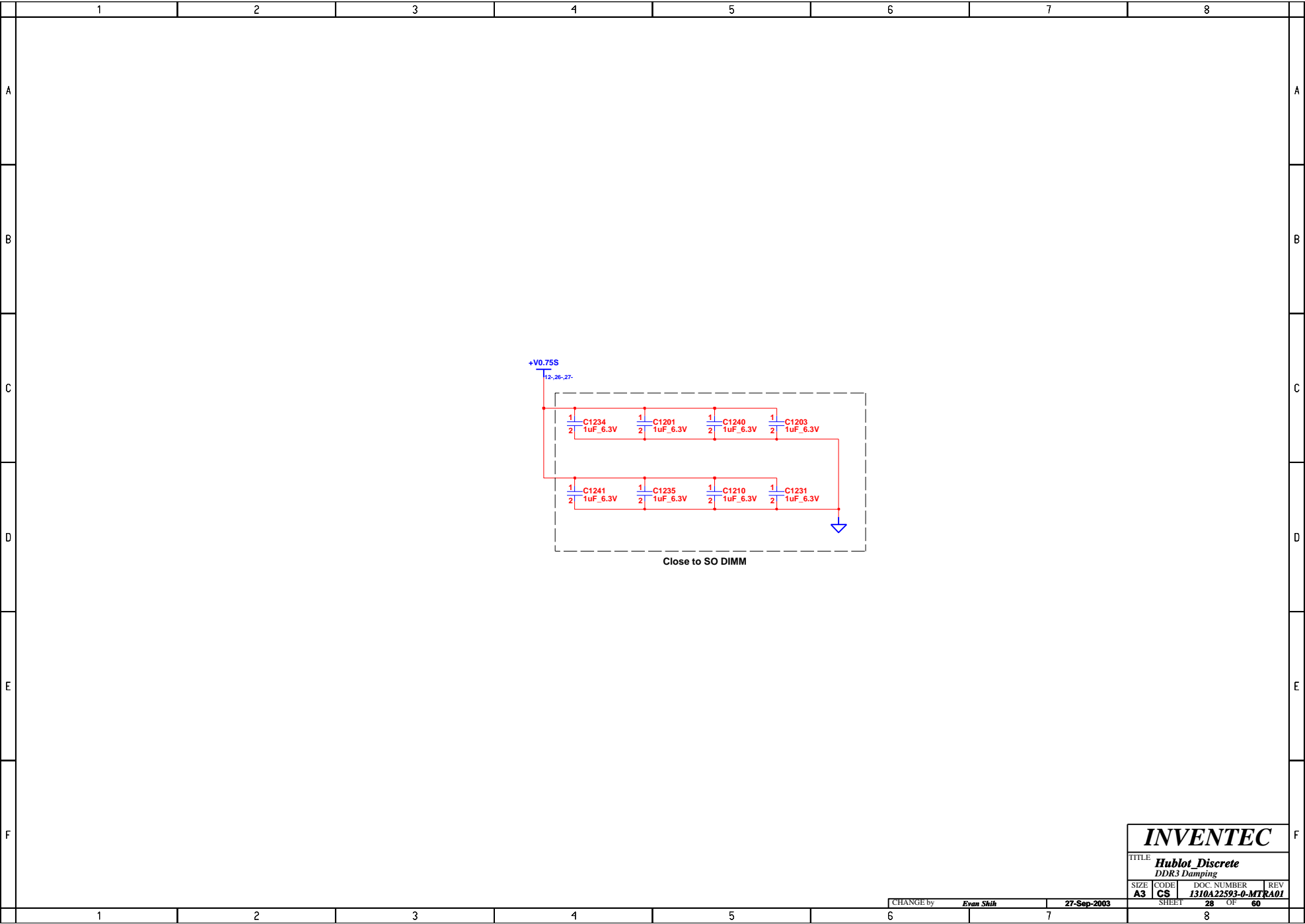
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DDR3 DIMM1**

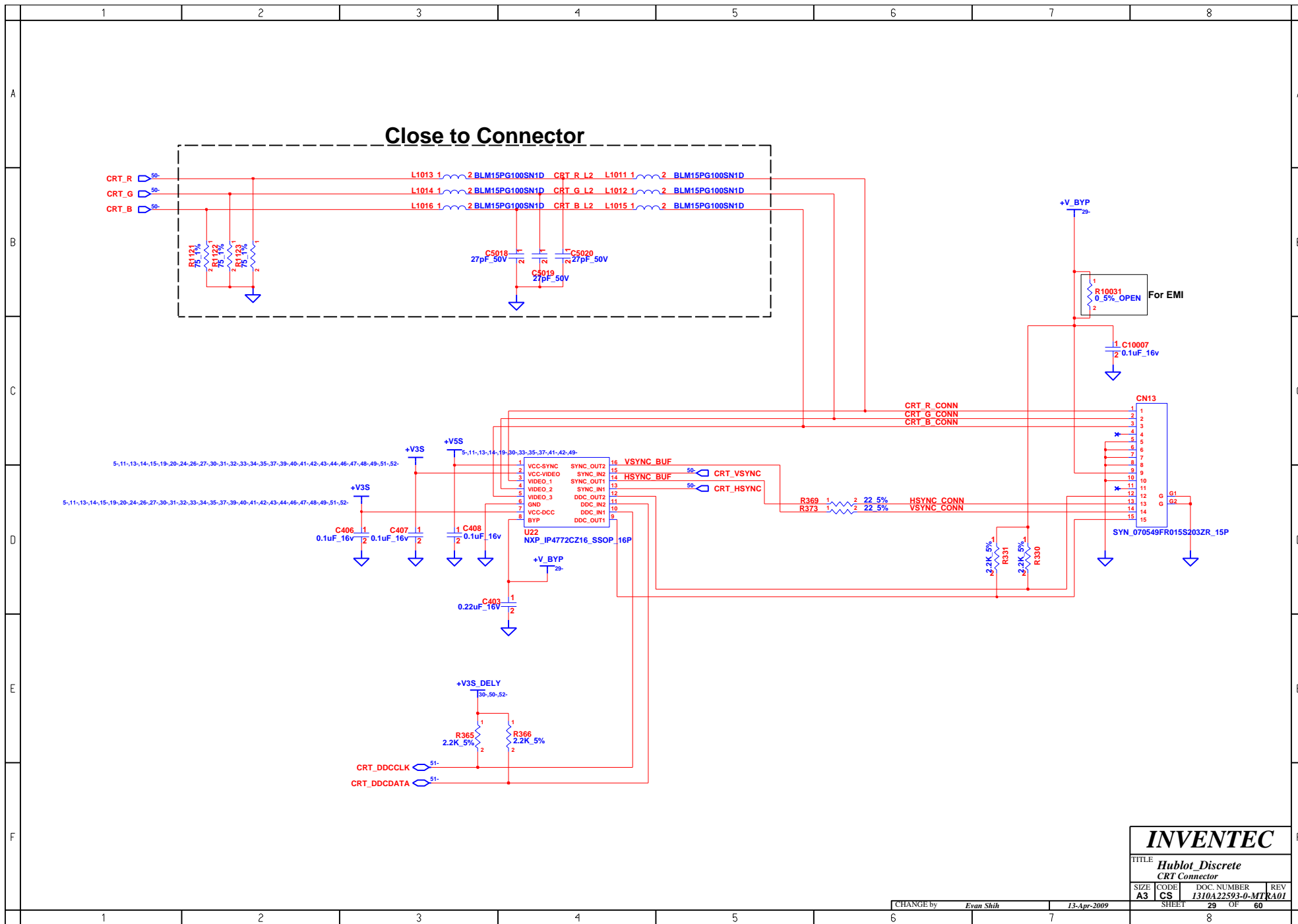
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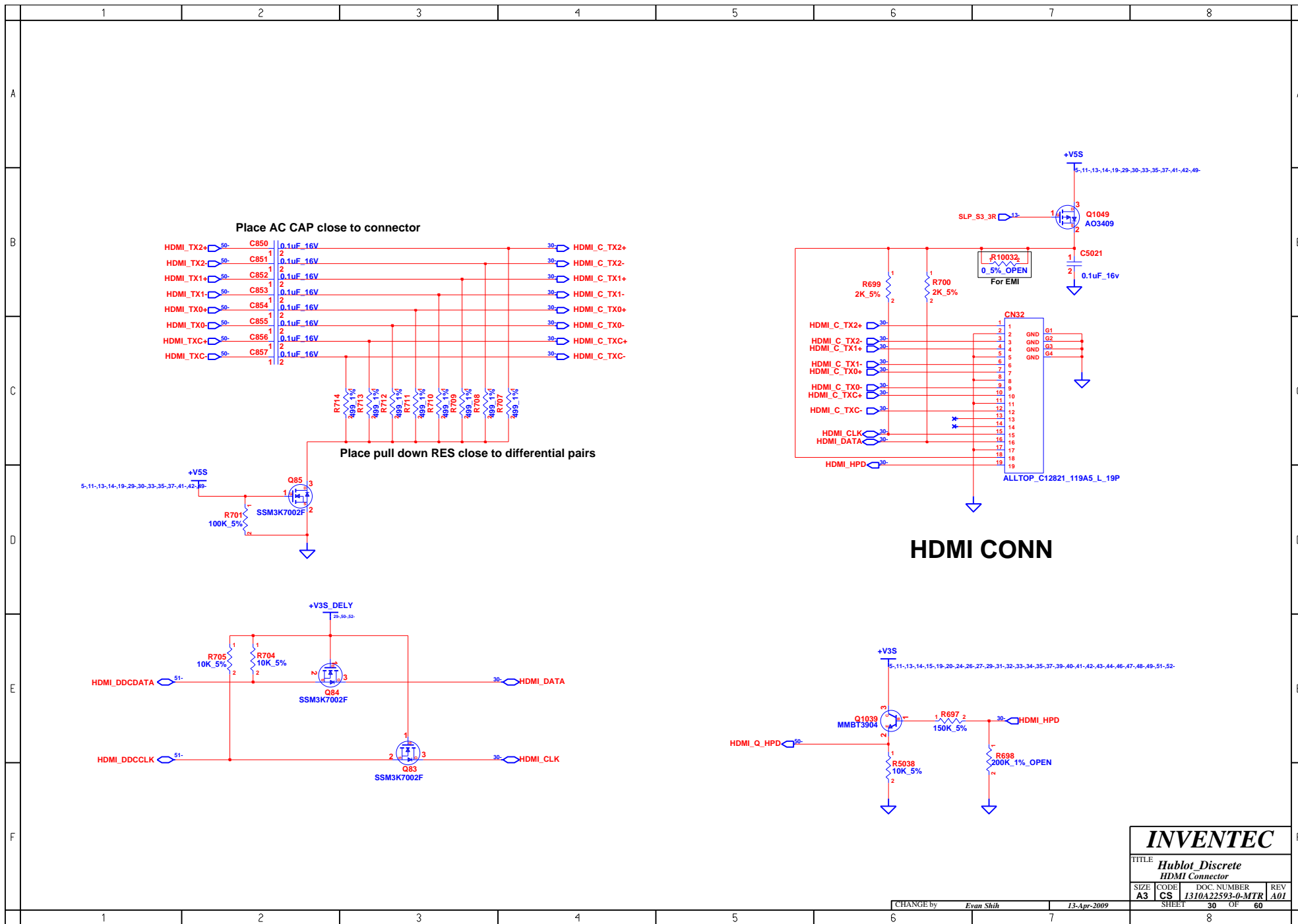
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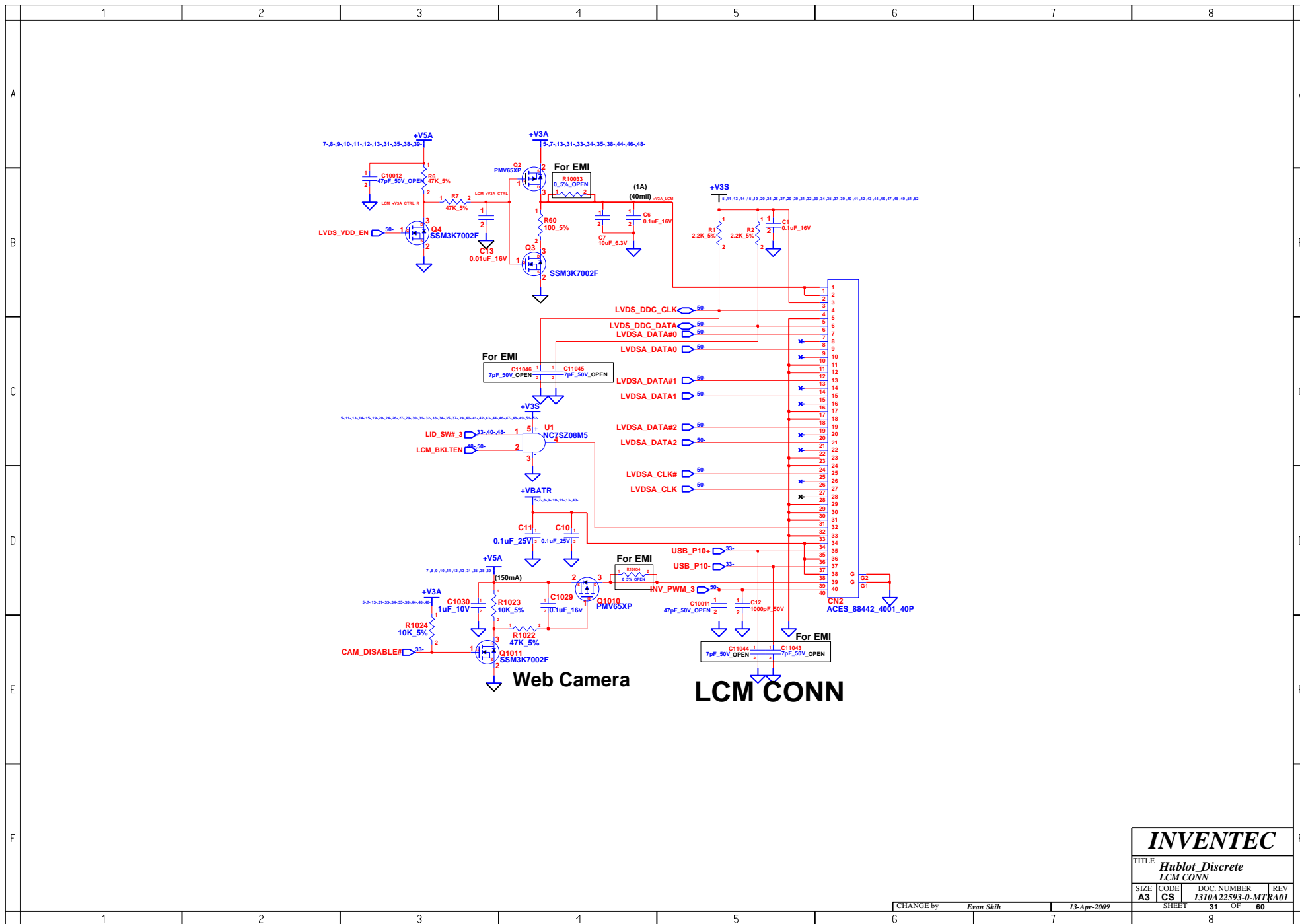
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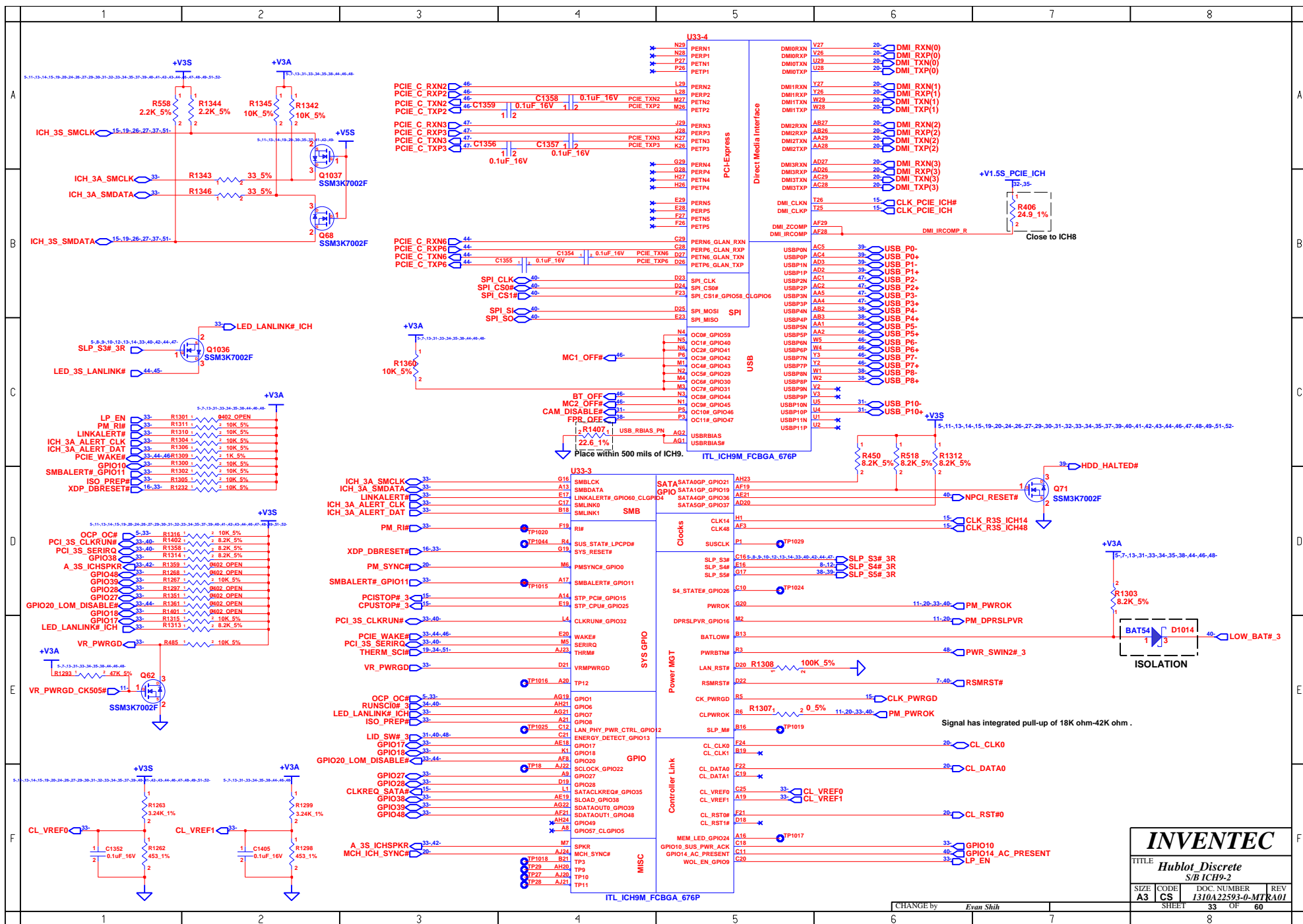


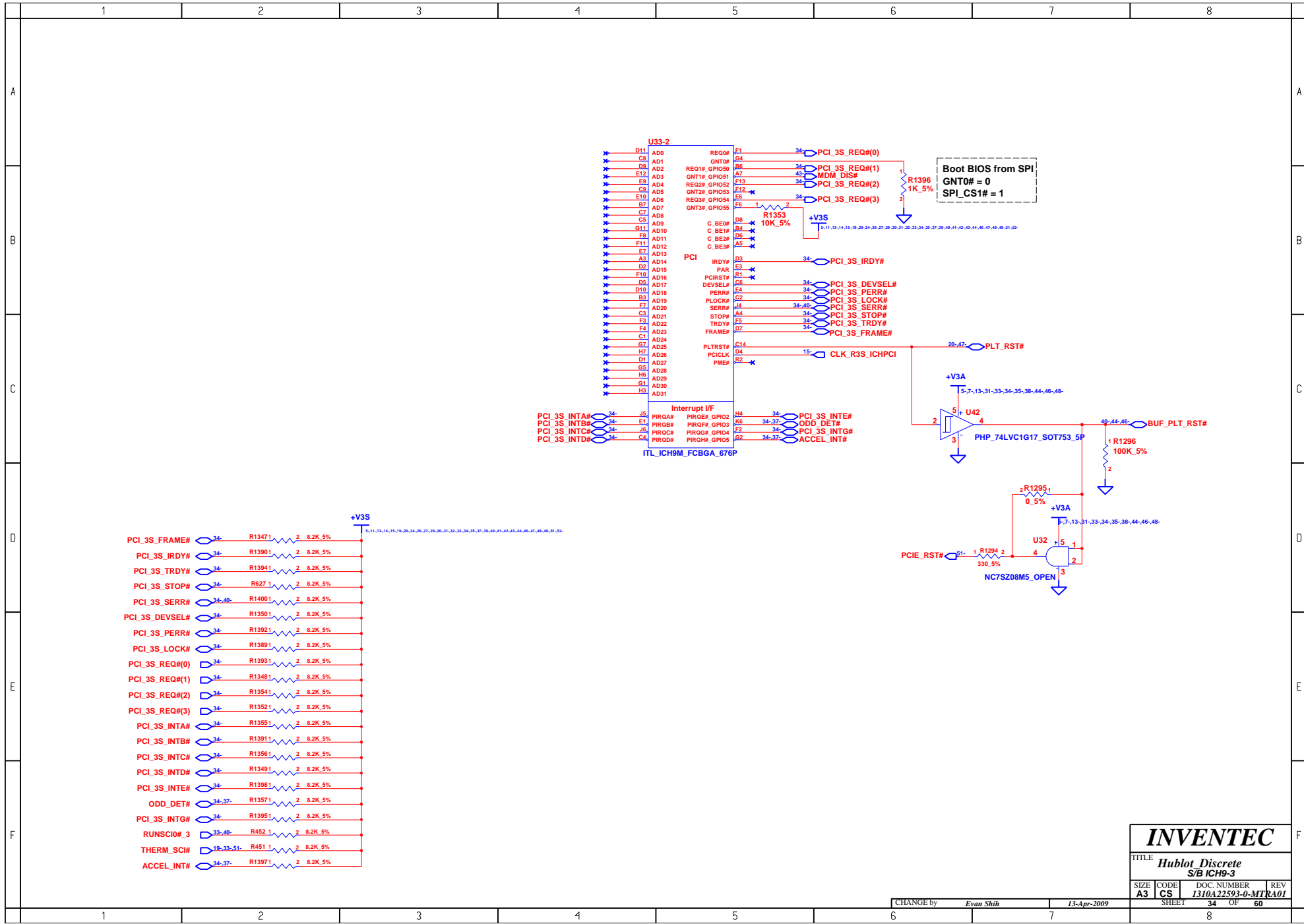
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CHANGE by Evan Shih 13-Apr-2009







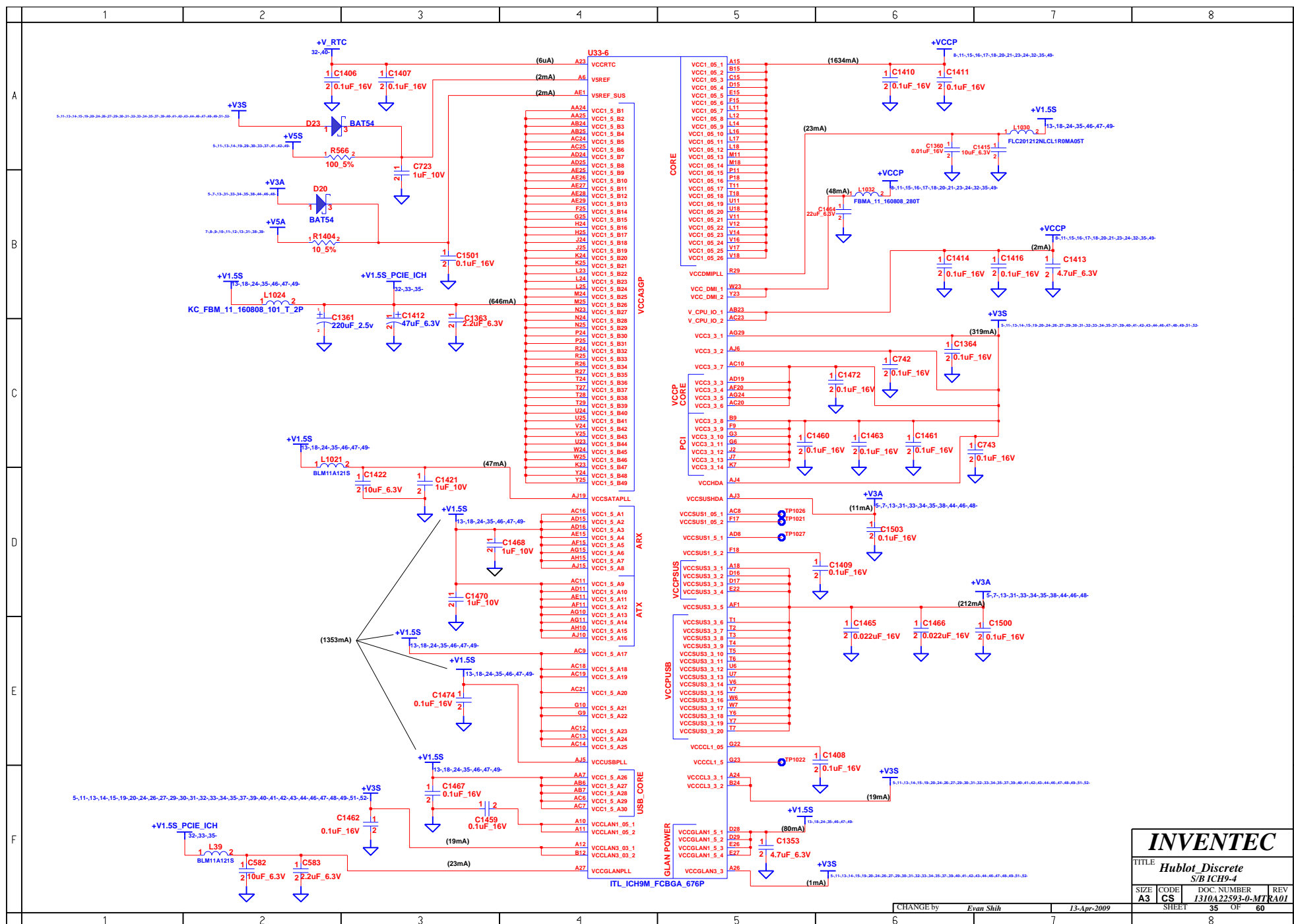
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TITLE
**Hublot Discrete
S/B ICH9-3**

SIZE A3	CODE CS	DOC. NUMBER I310A22593-0-MTR	REV RA01
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CHANGE by *Evan Shih* 13-Apr-2009

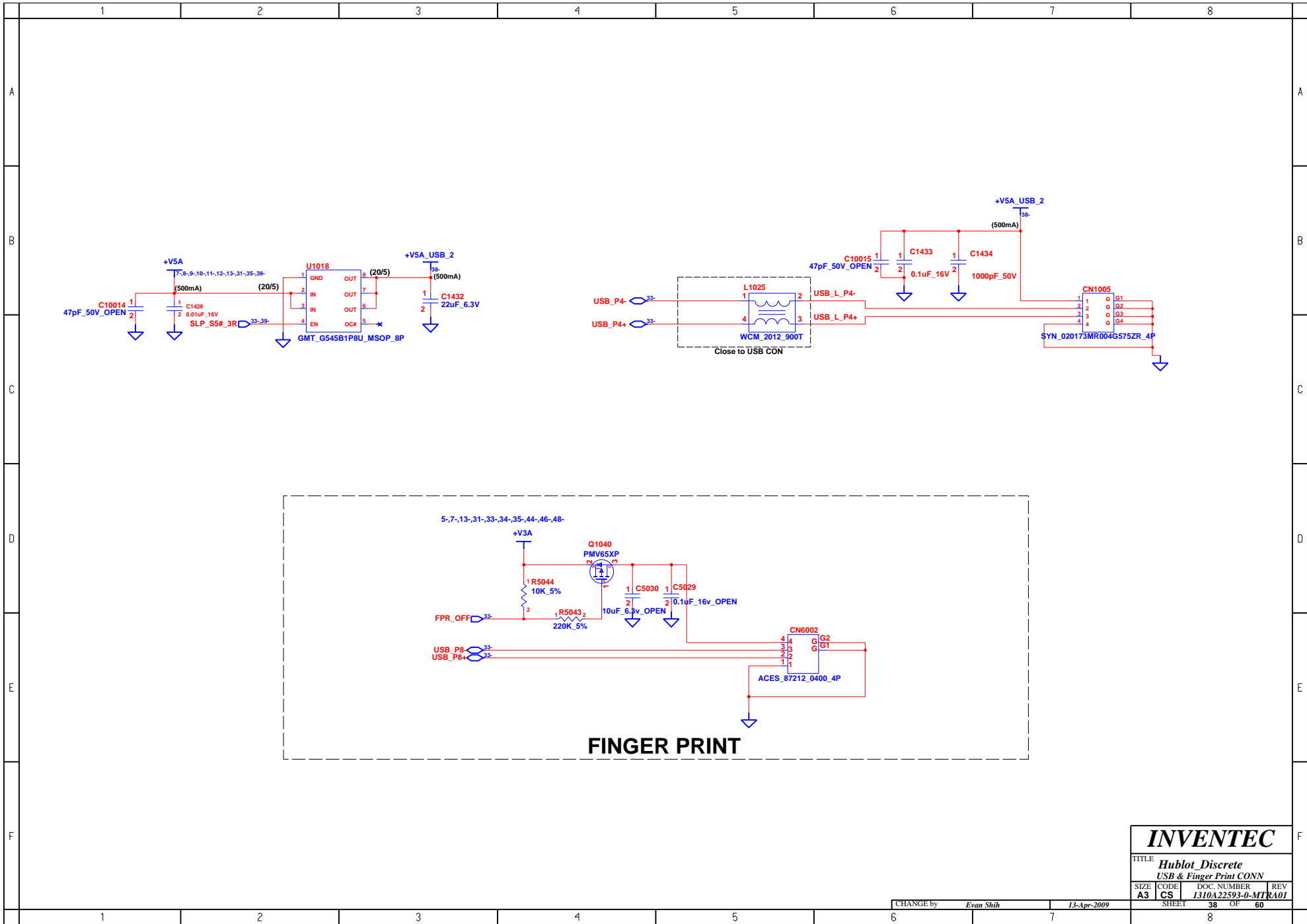
SHEET 34 OF 60



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				AA3 VS3003 VS8109 J26					
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				AB1 VS3005 VS8111 AC22					
				AA23 VS3006 VS8112 K28					
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				G27 VS3101 VSS_NCTF8 A22					
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SIZE A3	CODE CS	DOC. NUMBER I310A22593-0-MTR	REV A01
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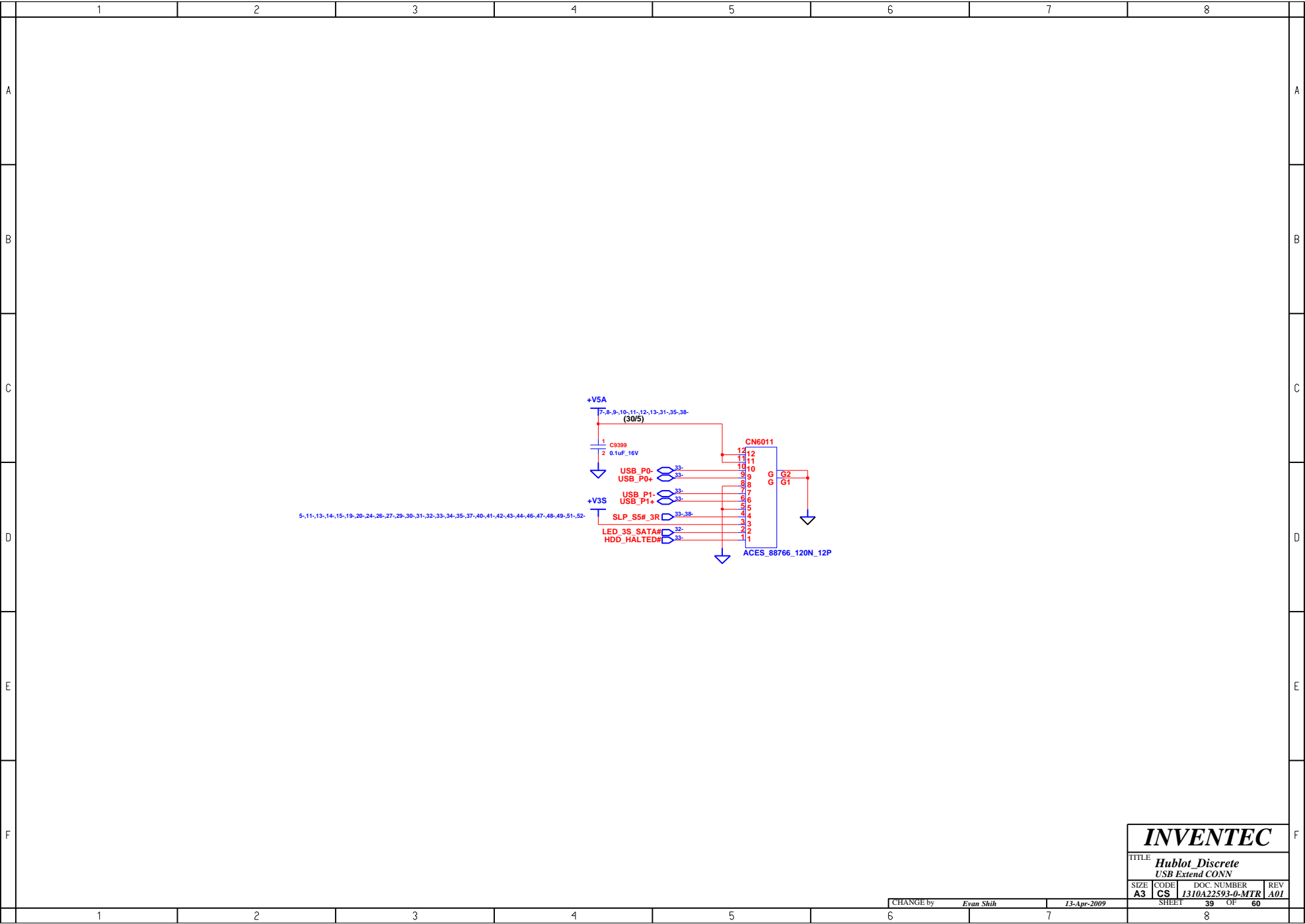


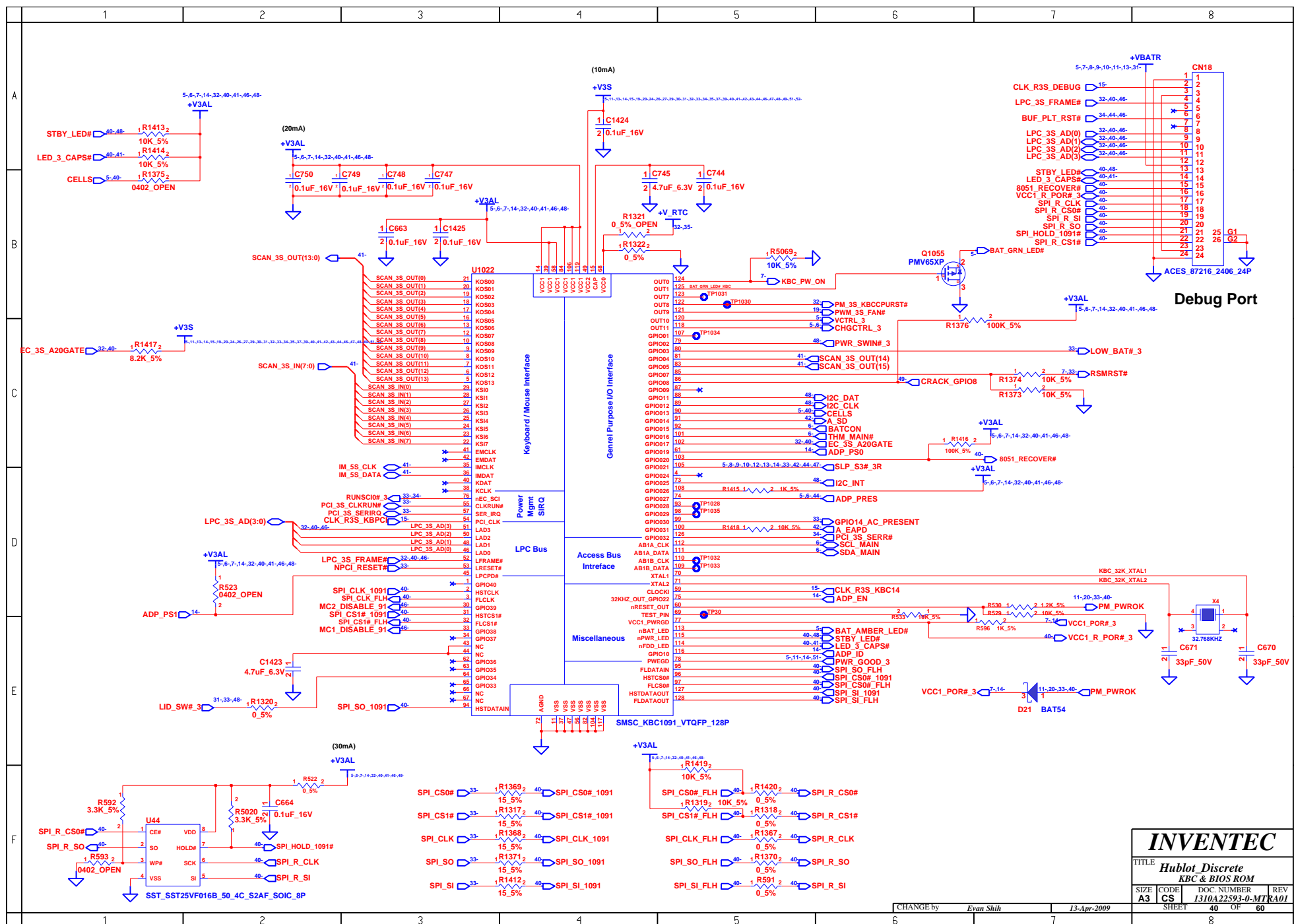
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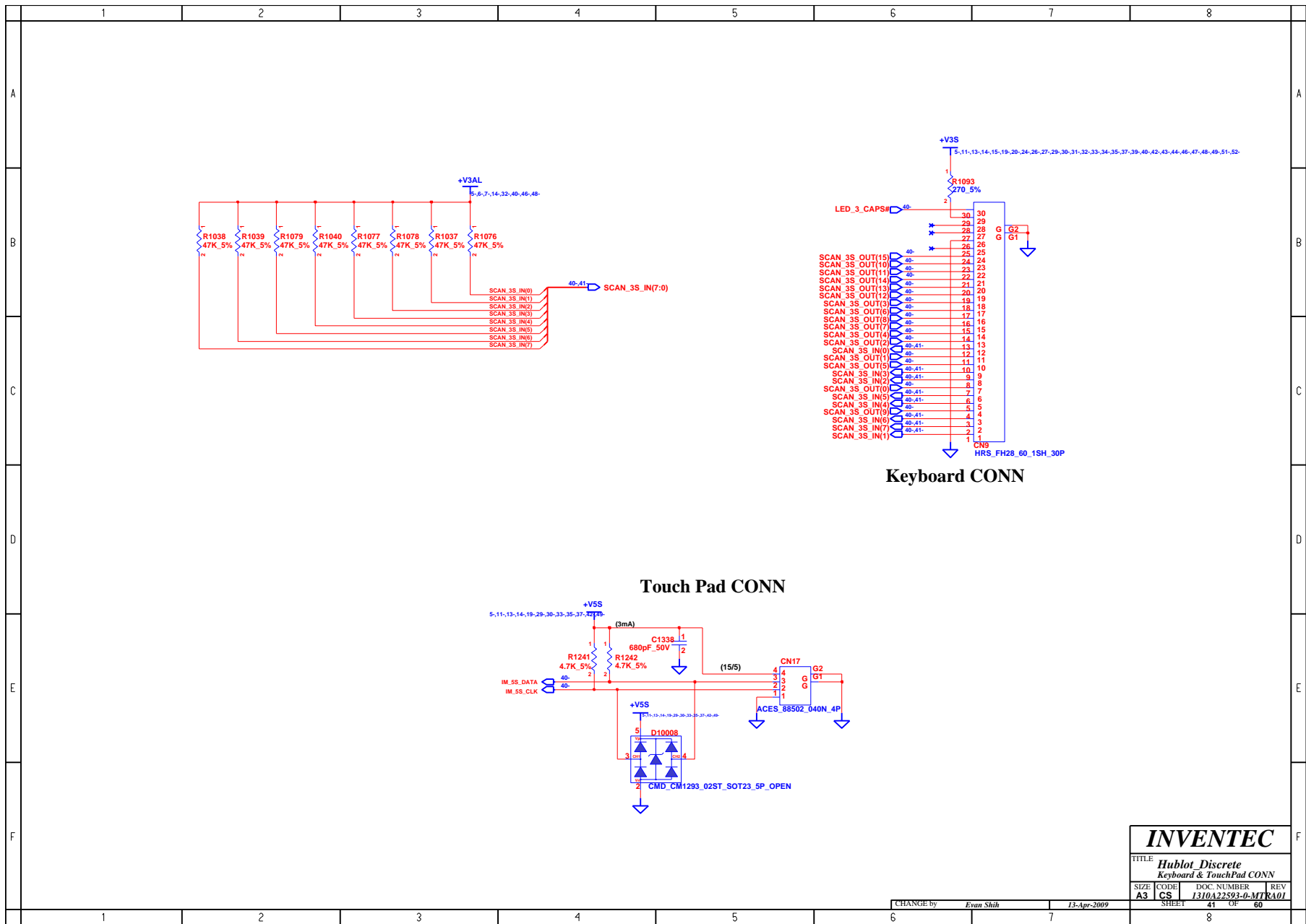
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USB & Finger Print CONN			
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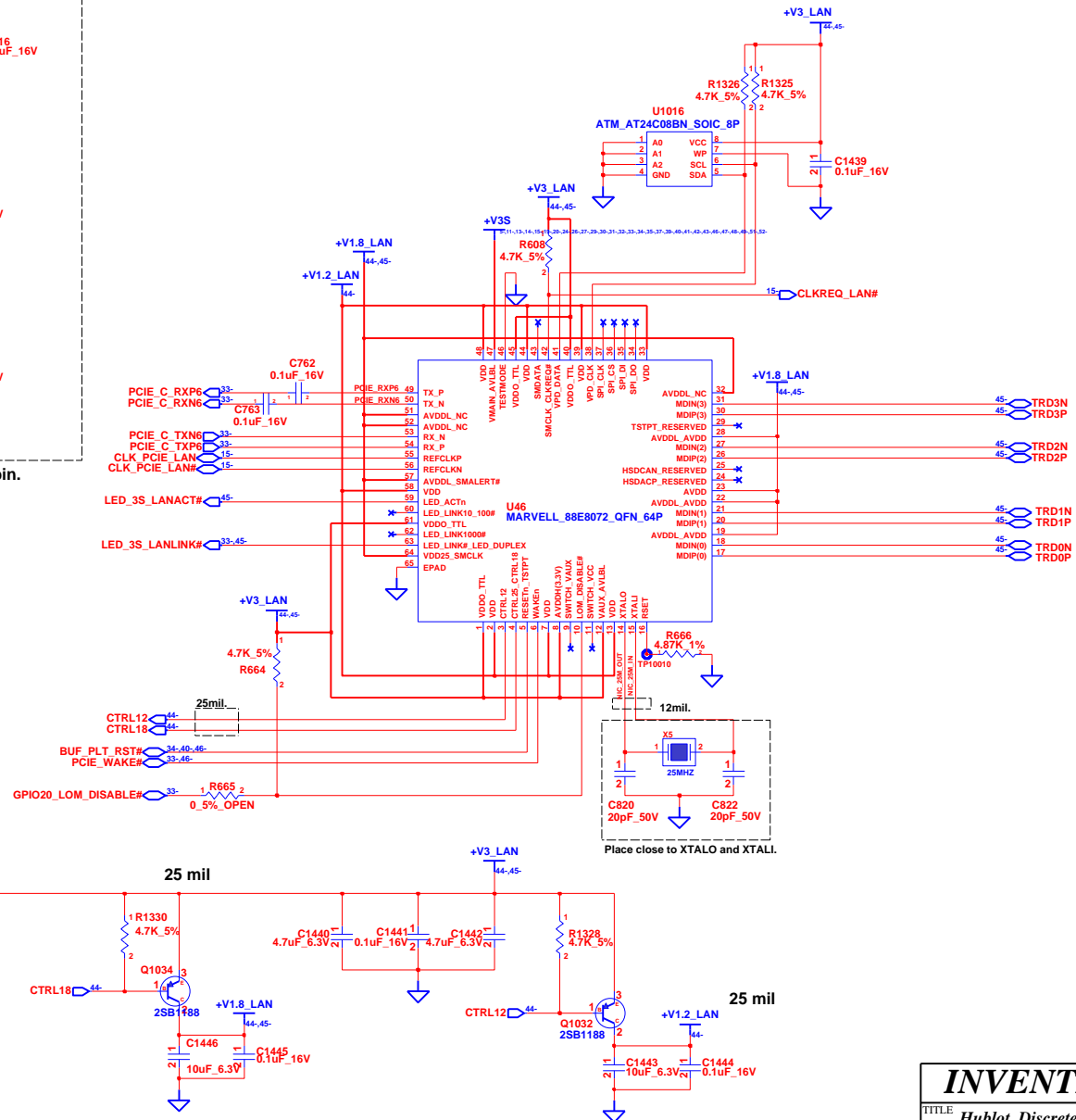
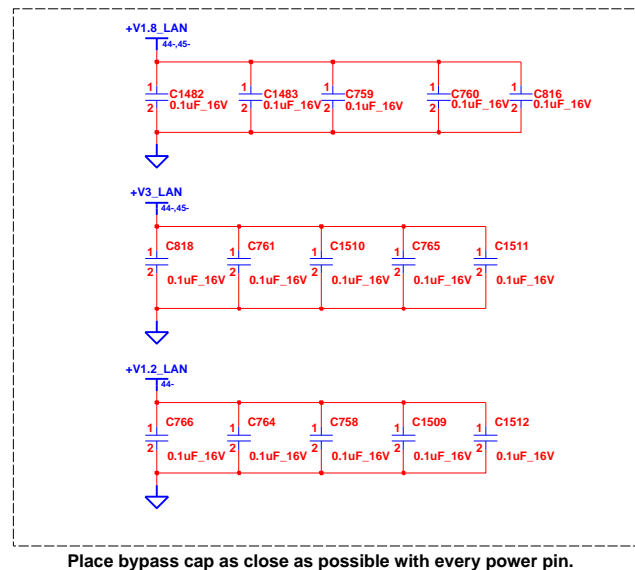
CHANGE by: Evan Shih 13-Apr-2009

SHEET 38 OF 60

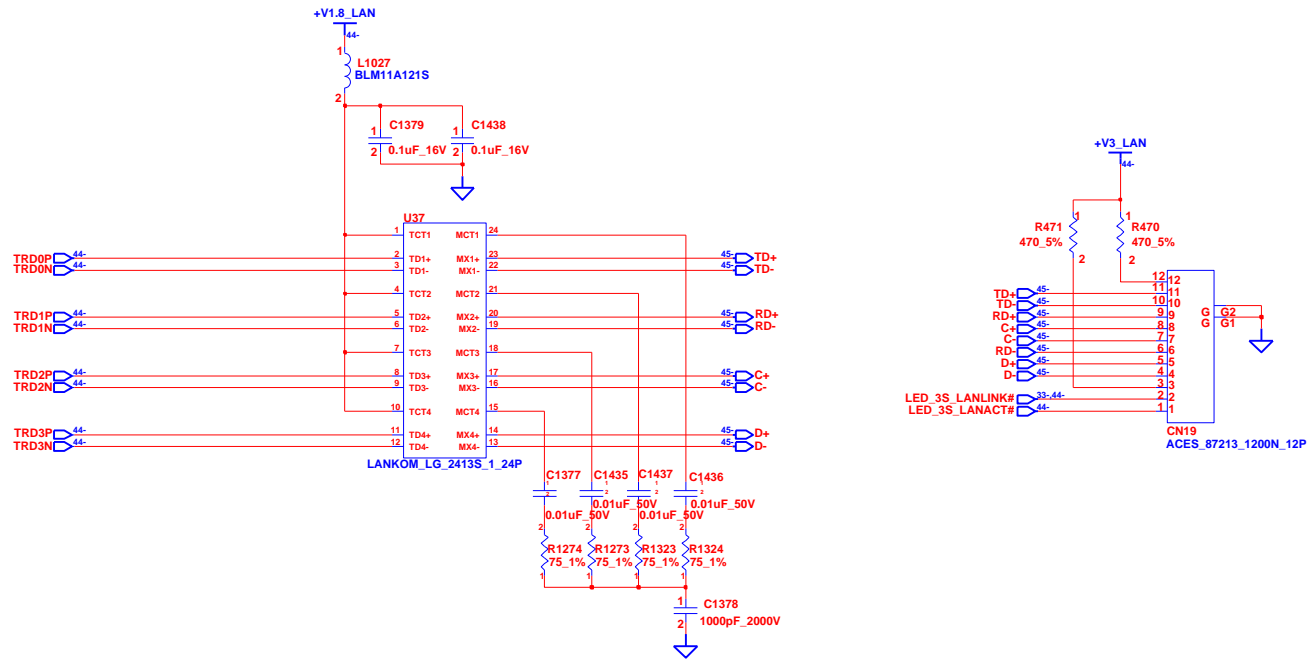








INVENTEC			
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SIZE A3	CODE CS	DOC. NUMBER <i>1310A22593-0-MTR</i>	REV A01
SHEET		44	OF 60



INVENTEC			
TITLE: Hublot Discrete Magnetic & RJ45 CONN			
SIZE: A3	CODE: CS	DOC. NUMBER: I310A22593-0-MTR A01	REV: 45
CHANGE by: Evan Shih		13-Apr-2009	
SHEET: 45		OF: 60	

MINI Card-WWAN

For GOBI2

Close pin2 and pin52 for RF option

SIM Card Connector

BlueTooth CONN

MINI Card-WWAN

SIM Card Connector

BlueTooth CONN

Mini Card-WLAN

INVENTEC

TITLE				Hublot Discrete
				Mini Card/BT/SIM Card
SIZE	CODE	DOC. NUMBER	REV	
A3	CS	I310A22593-0-MTR	A01	
SHEET		46	OF	
		60		

CHANGE by: Evan Shih 13-Apr-2009

MINI Card-WWAN

For GOBI2

Close pin2 and pin52 for RF option

SIM Card Connector

BlueTooth CONN

MINI Card-WWAN

For GOBI2

Close pin2 and pin52 for RF option

SIM Card Connector

BlueTooth CONN

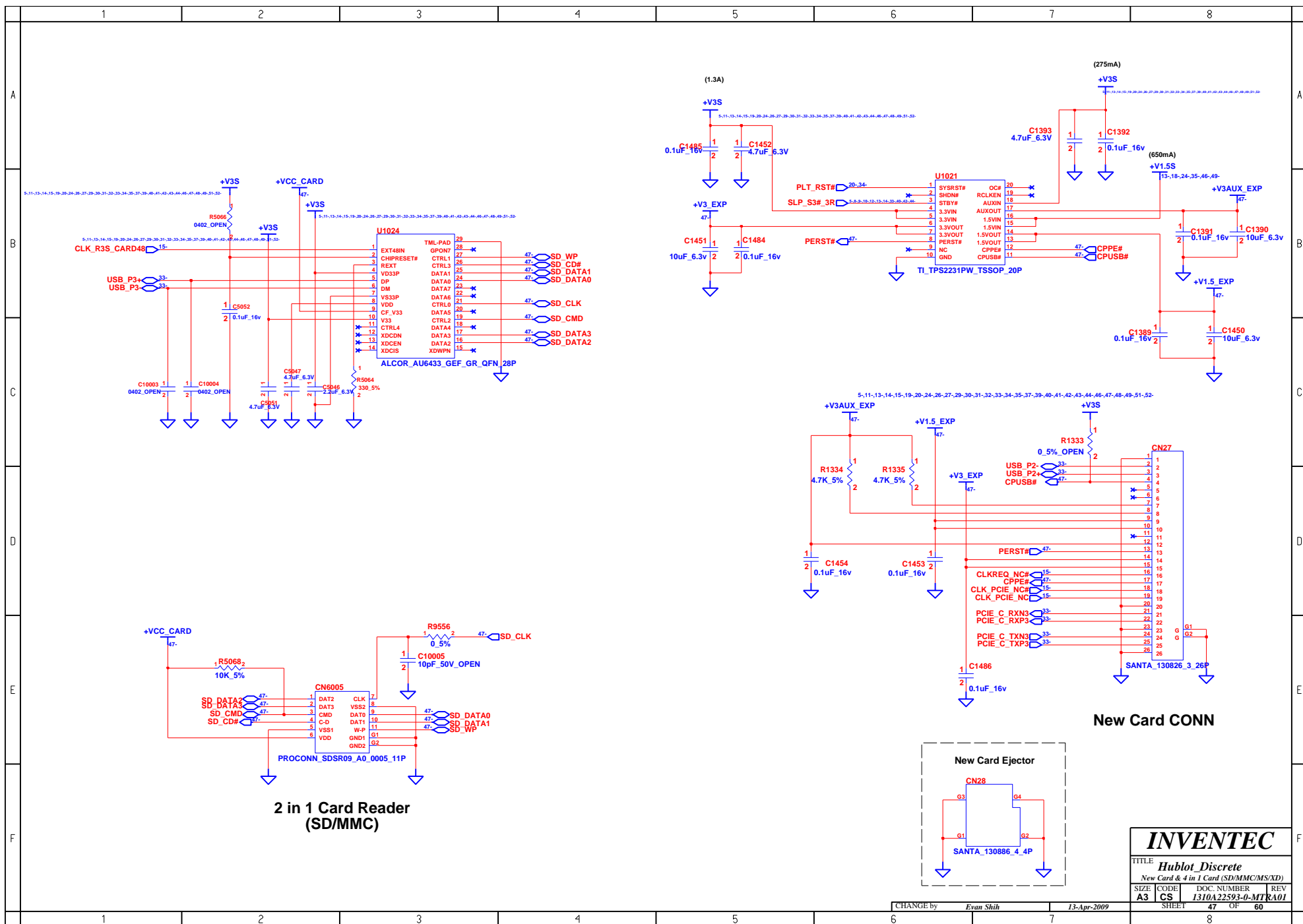
MINI Card-WWAN

For GOBI2

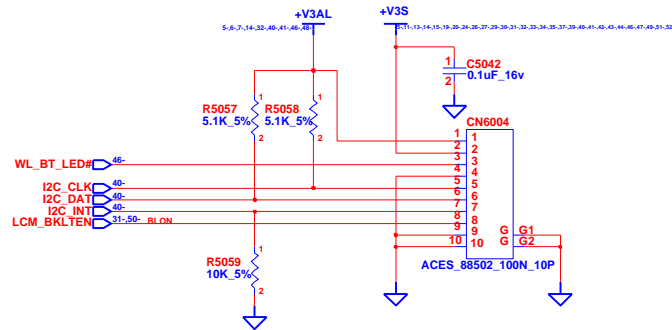
Close pin2 and pin52 for RF option

SIM Card Connector

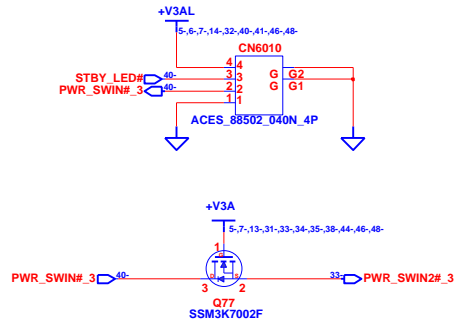
BlueTooth CONN



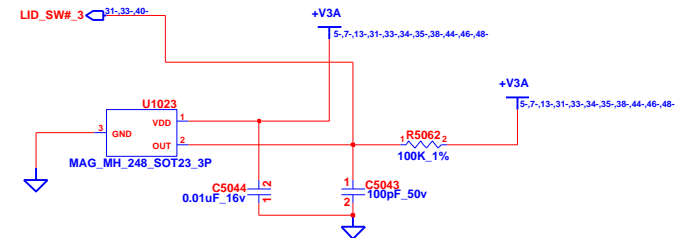
SWITCH BOARD CONN



Power SW CONN



LID SWITCH

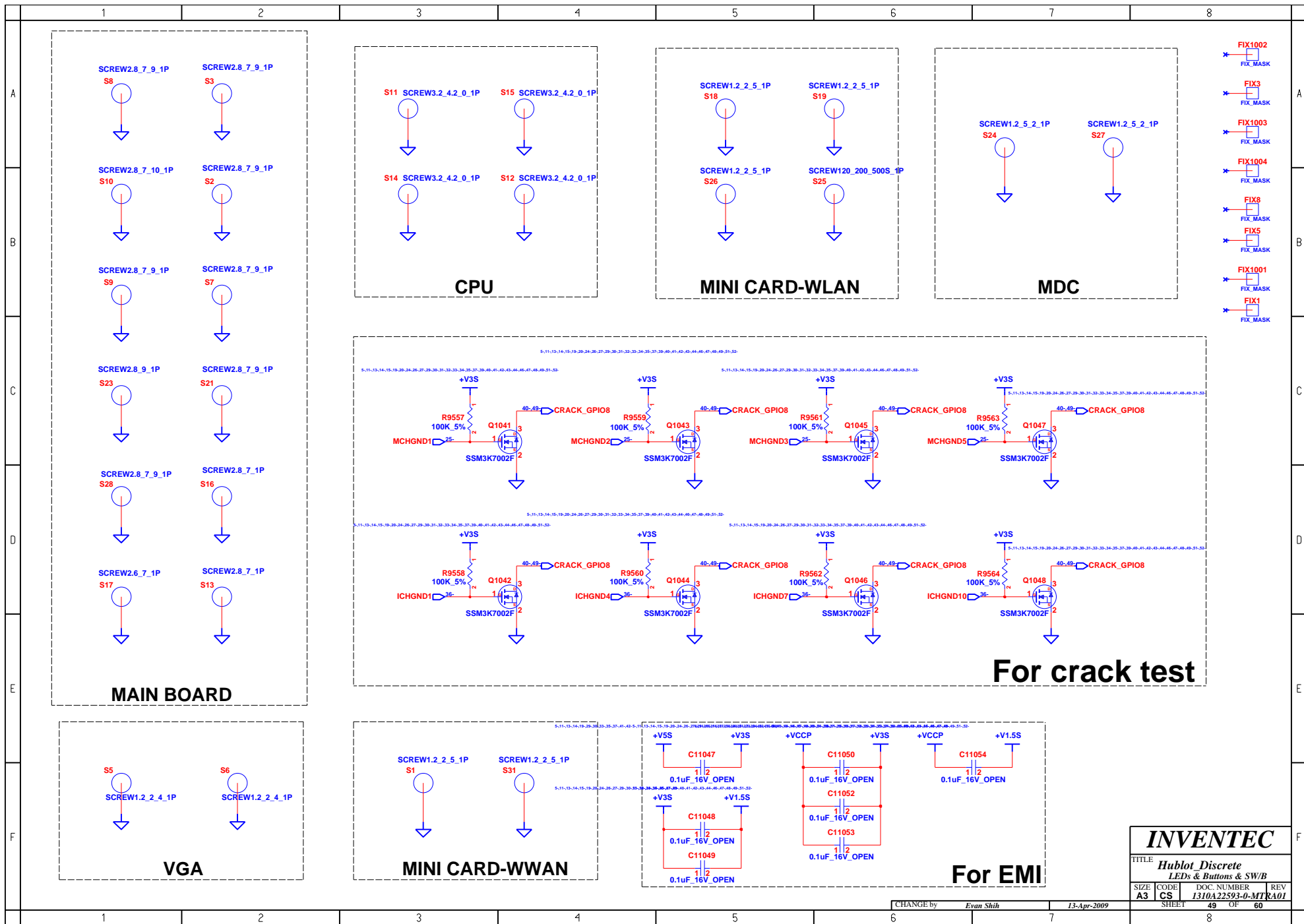


INVENTEC

TITLE			
Hublot_Discrete			
LEDs & Buttons & SW/B CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A22593-0-MTR	A01

CHANGE by: Evan Shih 13-Apr-2009

SHEET 48 OF 60



INVENTEC

TITLE Hublot_Discrete LEDs & Buttons & SW/B		
SIZE A3	CODE CS	DOC NUMBER 1310A22593-0-MTR
SHEET 49		OF 60

CHANGE by Evan Shih 13-Apr-2009

STRAPS	PIN	Description of default settings	
TX_PWRS_ENB	GPIO0	PCIE full TX output swing.	1
TX_DEEMPH_EN	GPIO1	PCIE transmitter de-emphasis enabled.	1
BIF_DEBUG_ACCESS	GPIO4	Debug signals muxed out.	0
ROMIDCFG(0:3)	GPIO[11:13,9]	Memory aperture type	X X X X

X = DESIGN DEPENDANT

0 = DO NOT INSTALL RESISTOR

1 = INSTALL 10K RESISTOR

Table 1

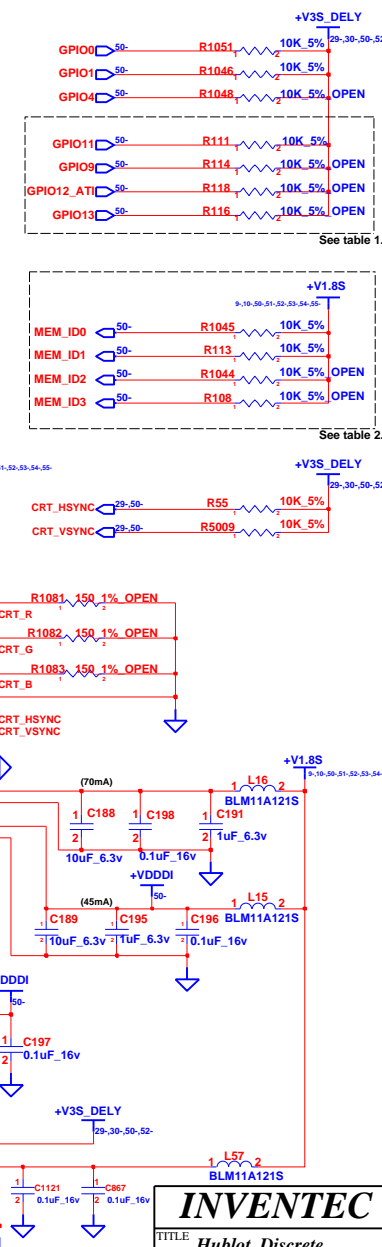
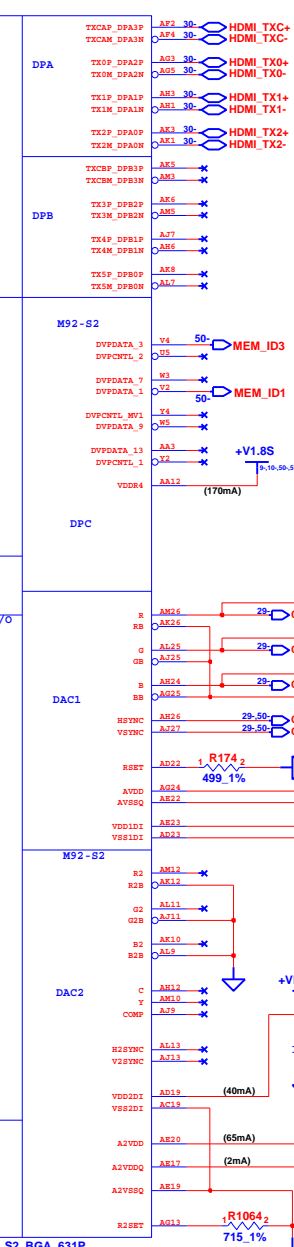
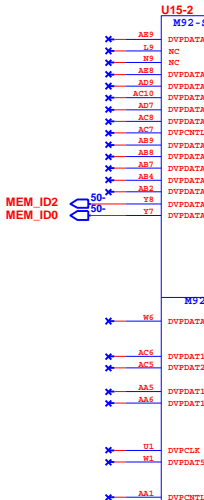
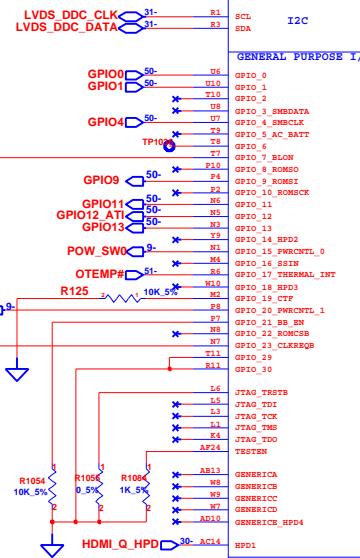
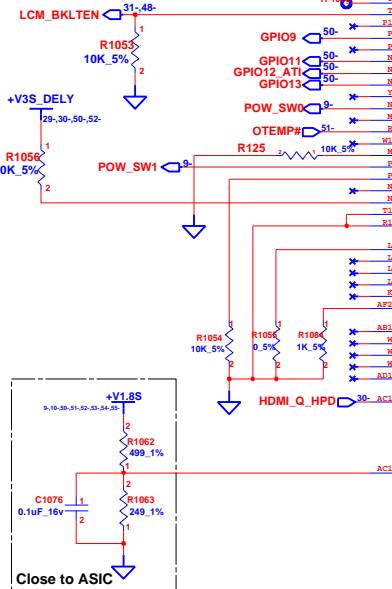
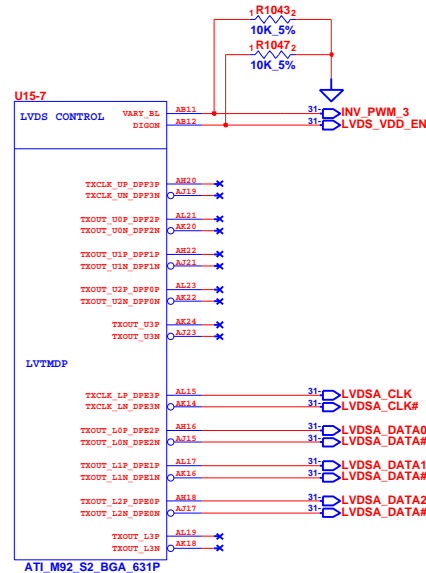
GPIO_13	GPIO_12	GPIO_11	For DIS-GDDR2
0	0	1	512MB/256MB memory aperture (Default)
1	1	0	reserved

POW_SW1	POW_SW0	+VDD_CORE
0	0	1.0V
0	1	0.95V
1	0	0.9V

Table 2

For DIS-VRAM DDR2				
MEM_ID3	MEM_ID2	MEM_ID1	MEM_ID0	vendor
0	0	0	1	Samsung (512MB)
0	0	1	0	Qimonda (512MB)
0	0	1	1	Hynix (512MB)

(Default)

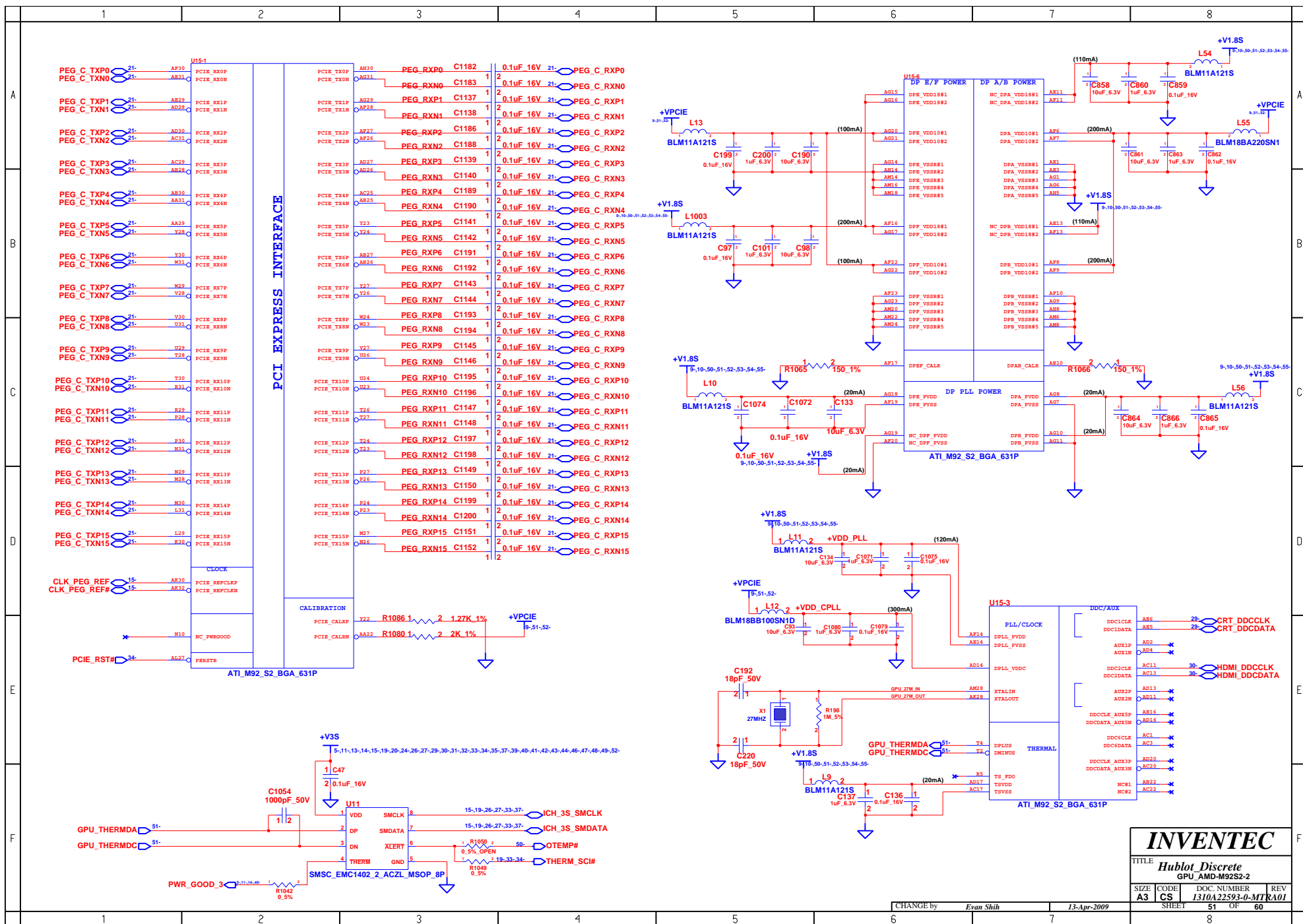


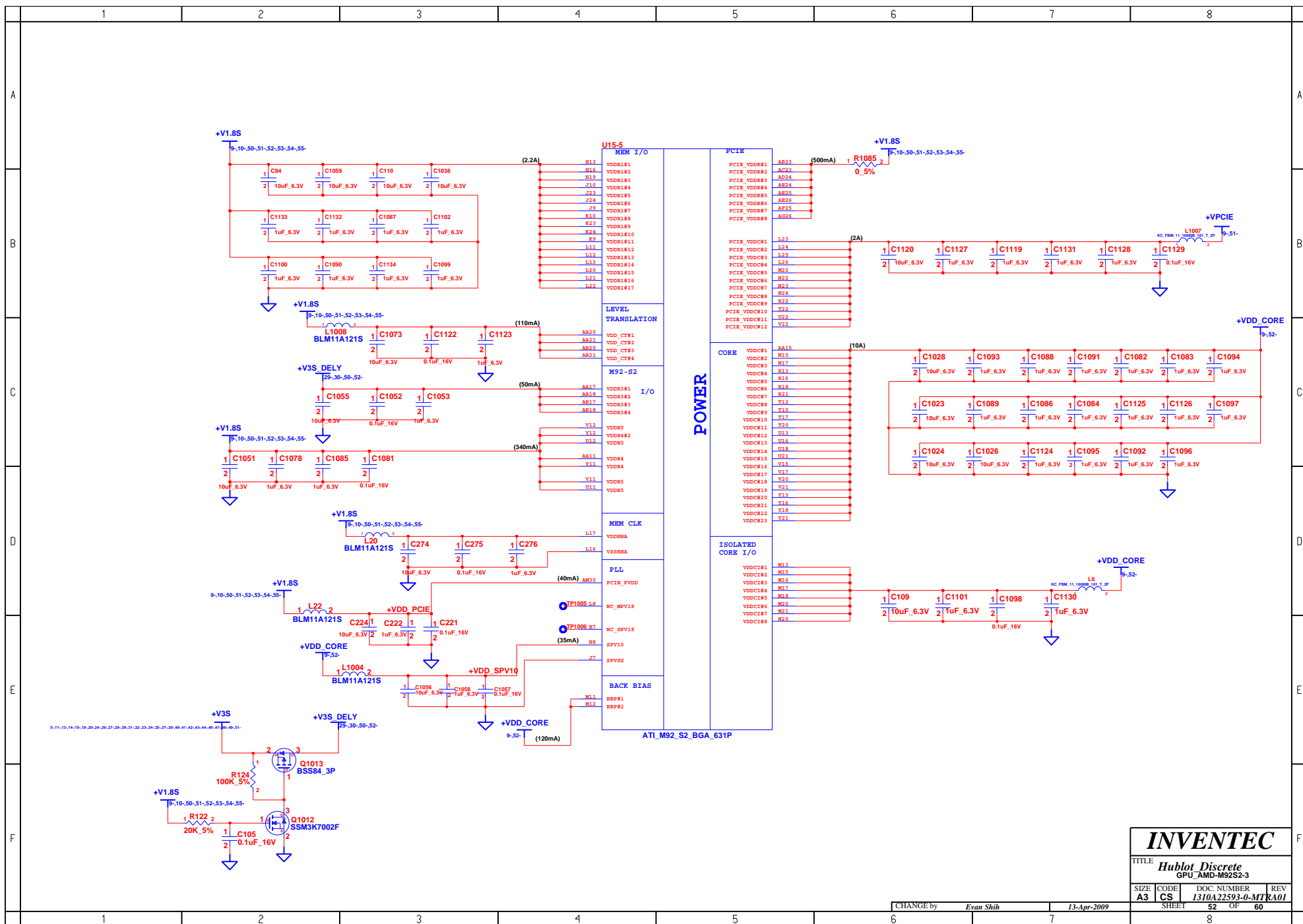
INVENTEC

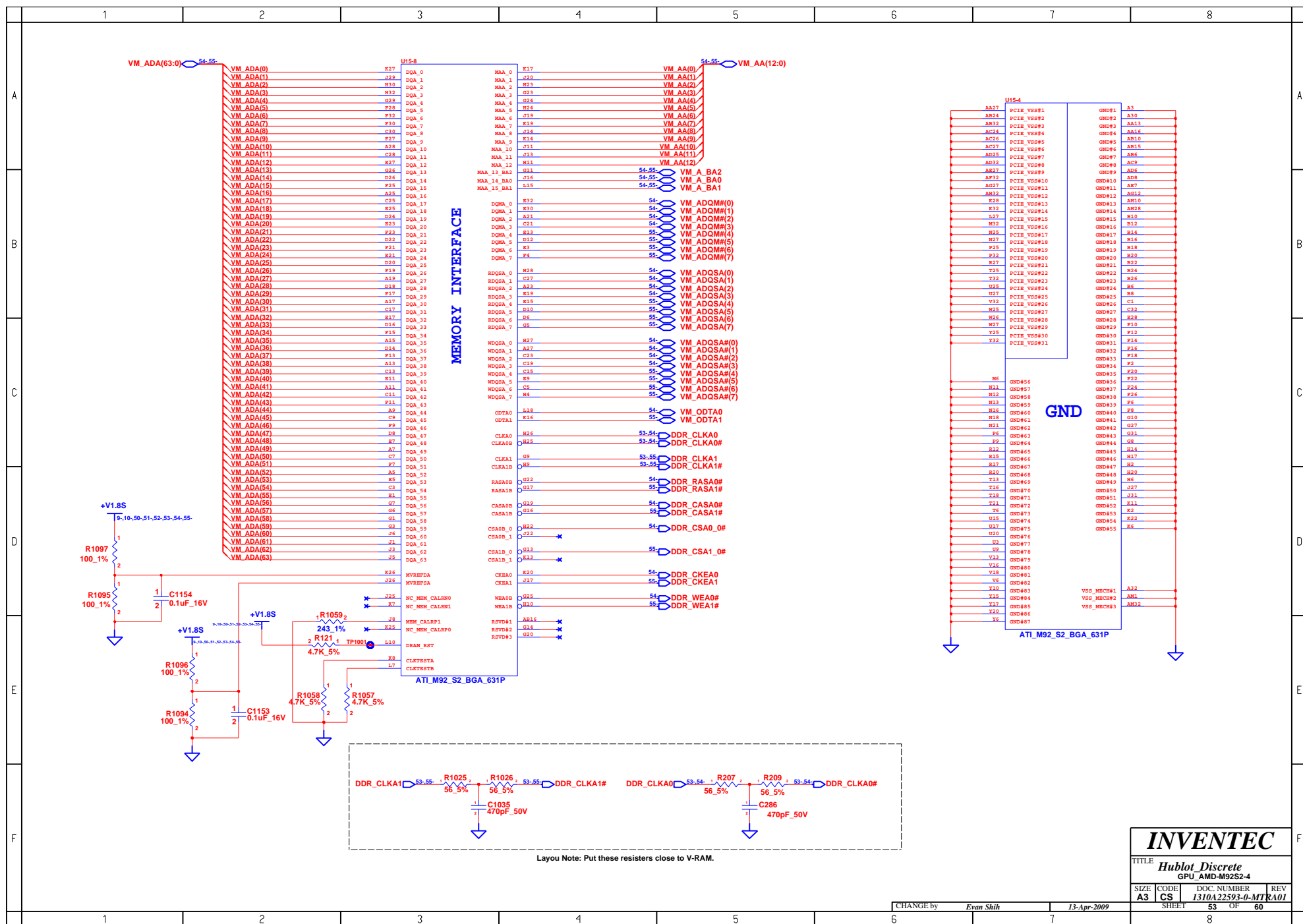
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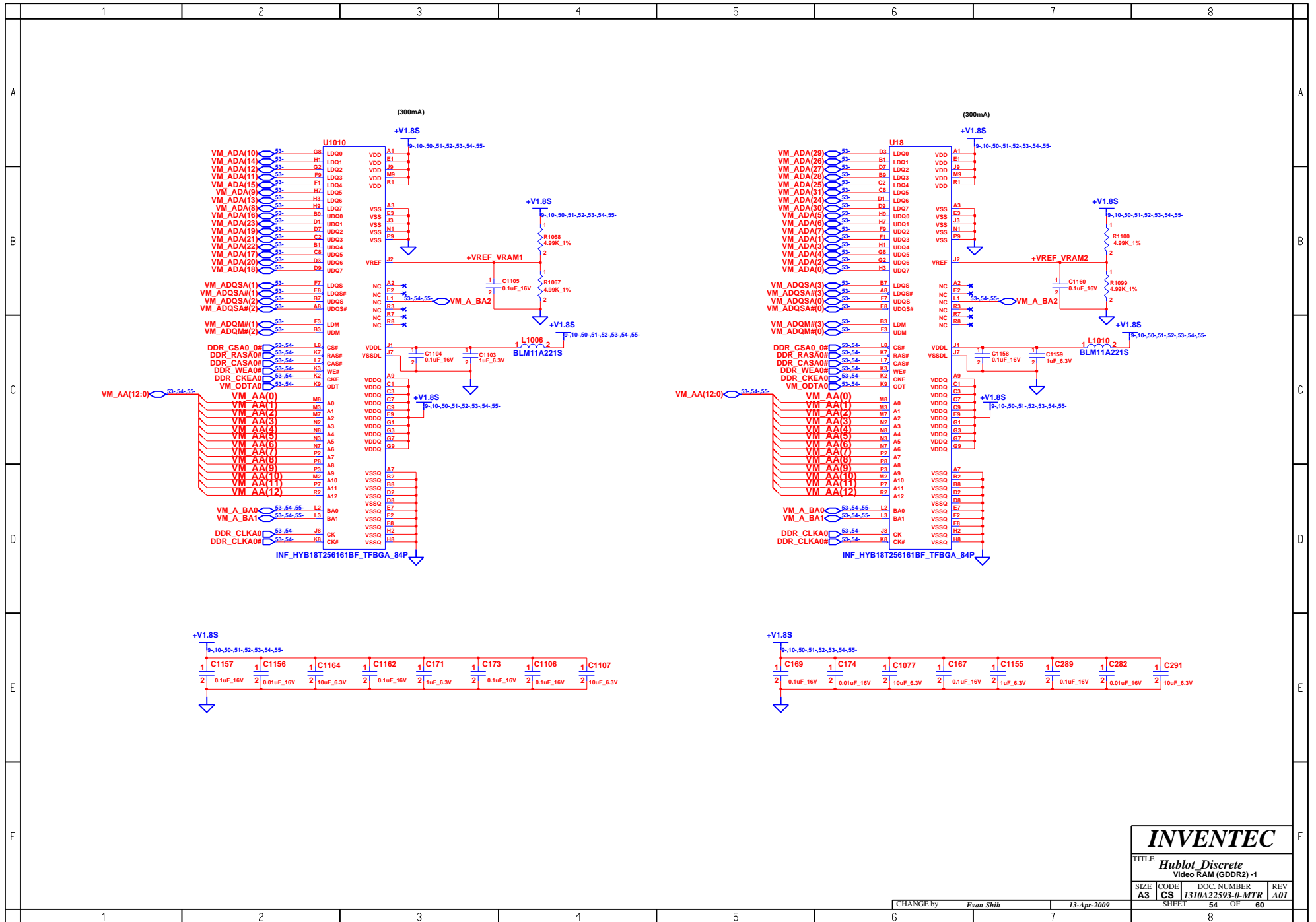
SIZE: A3 CODE: CS DOC. NUMBER: 1310A22593-0-MT RA01

SHEET: 50 OF 60





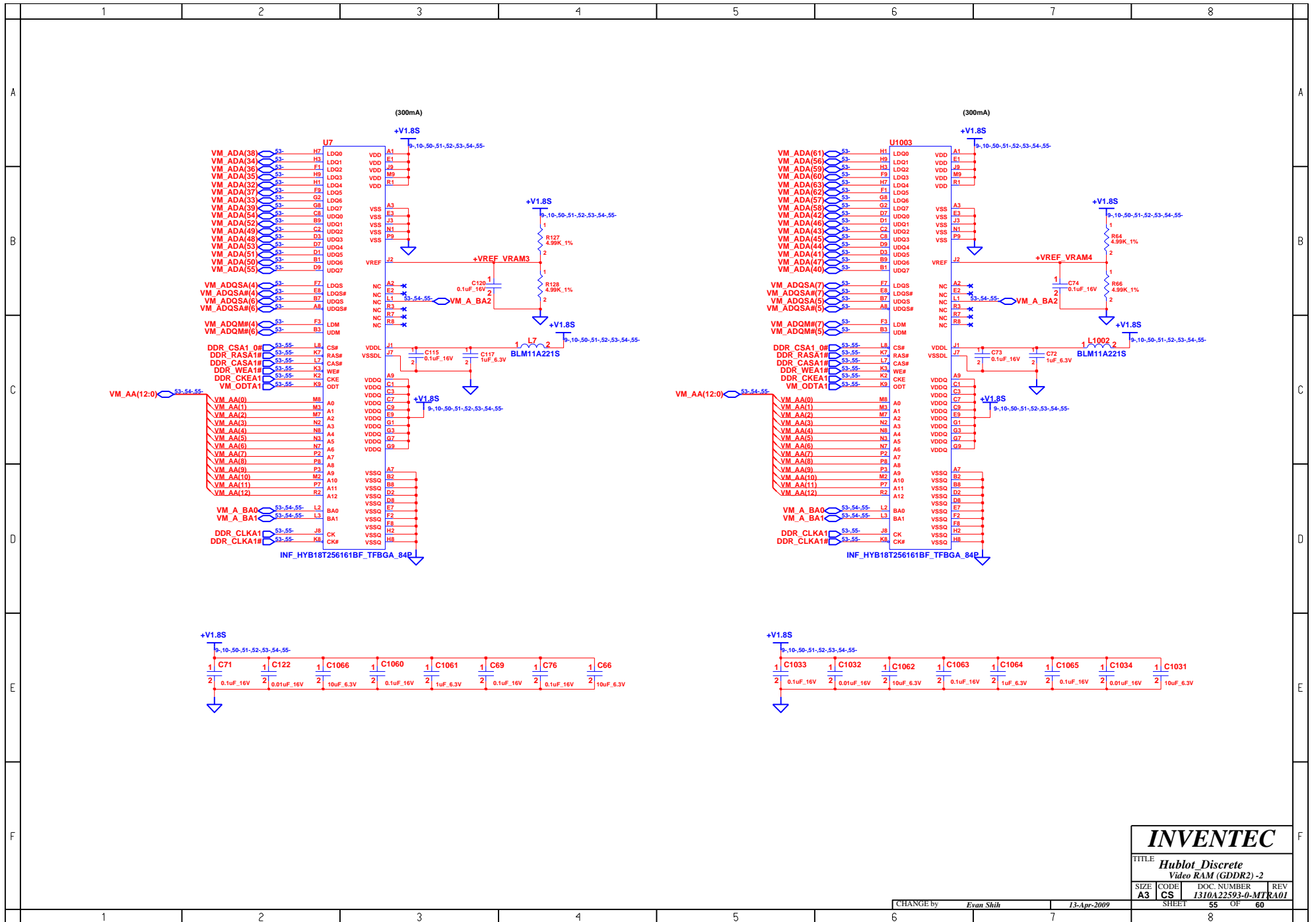




INVENTEC

TITLE Hublot Discrete Video RAM (GDDR2) -1				
SIZE A3	CODE CS	DOC. NUMBER J310A22593-0-MTR	REV A01	
SHEET		54	OF	60

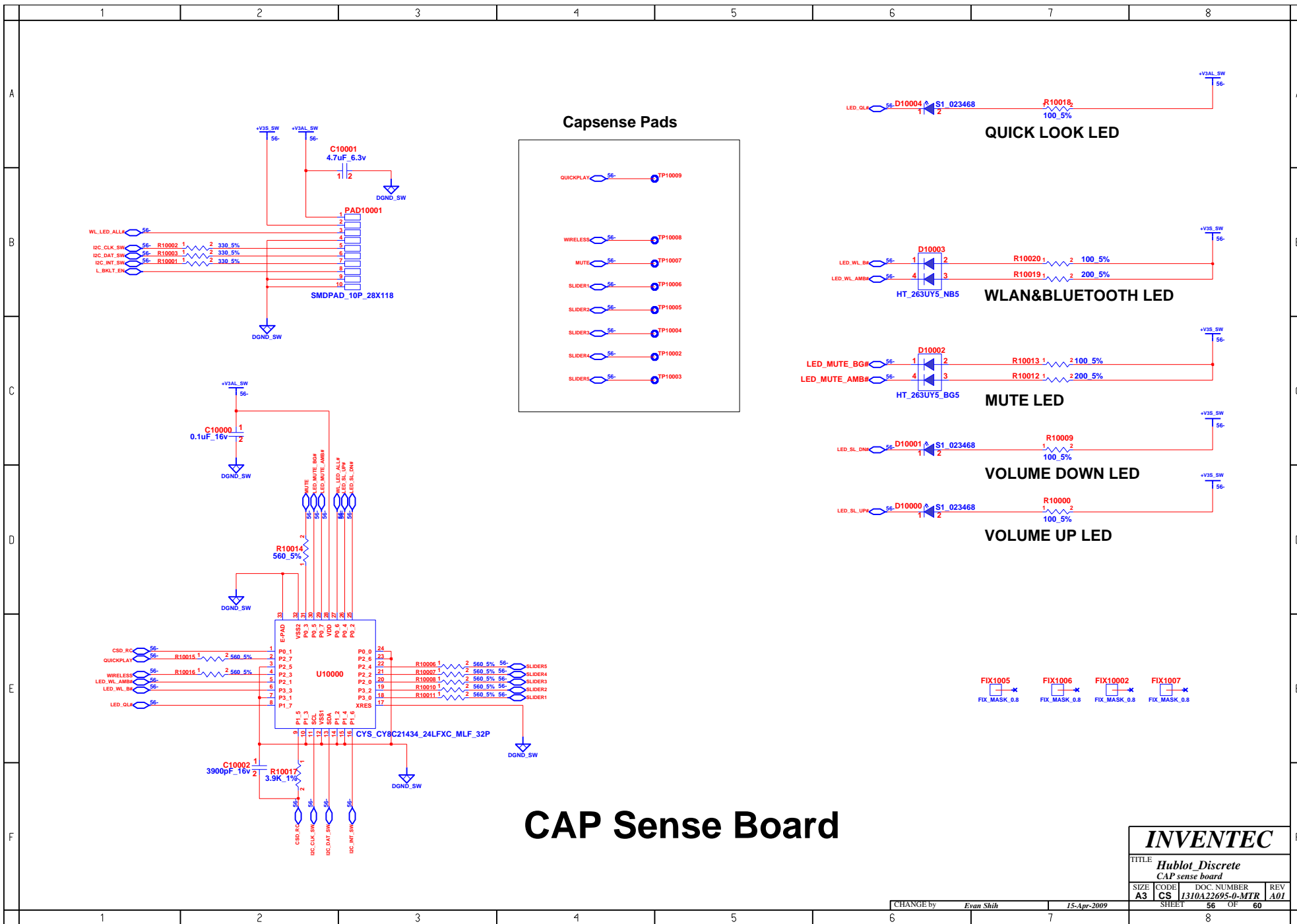
CHANGE by Evan Shih 13-Apr-2009

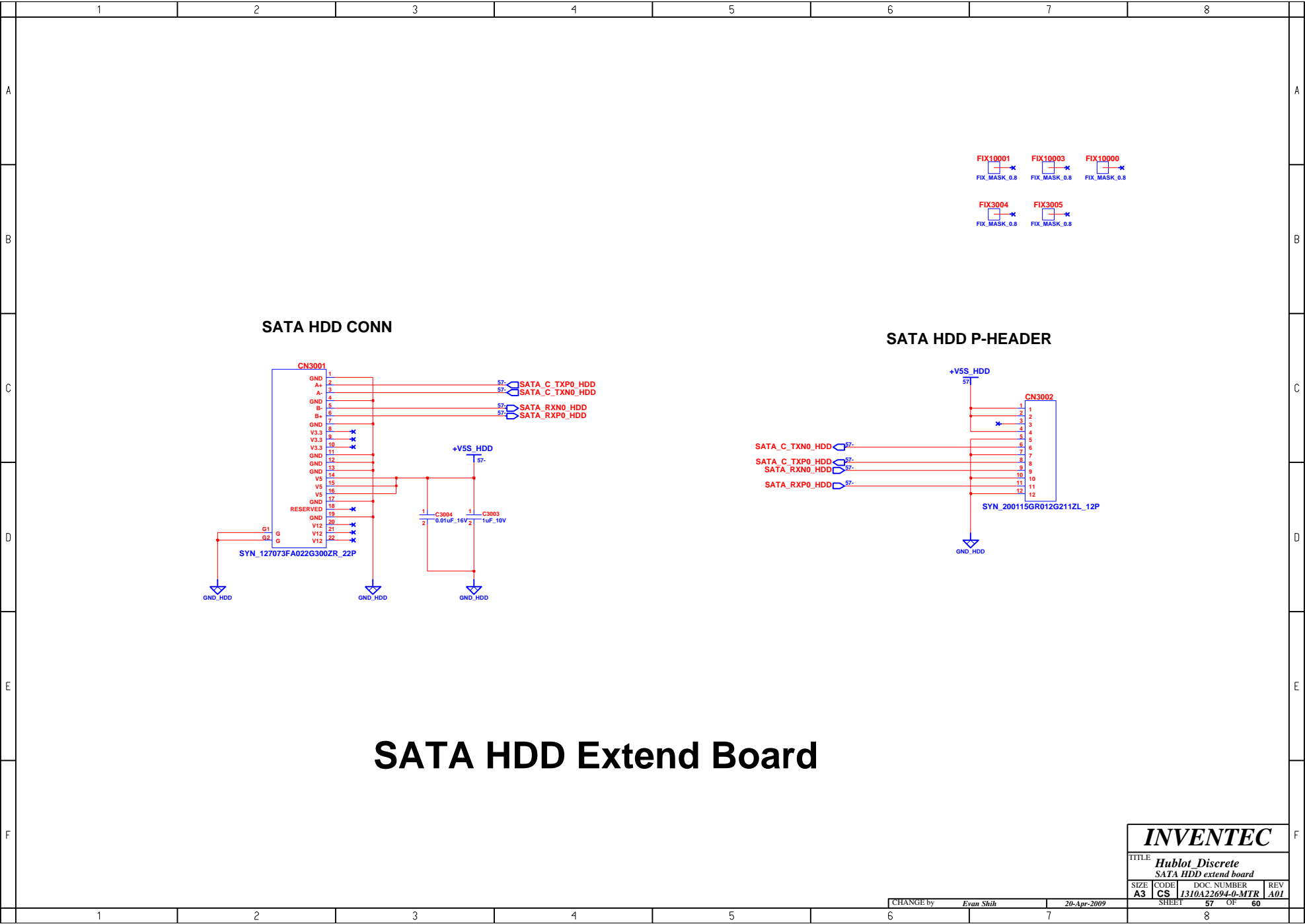


INVENTEC

TITLE Hublot Discrete Video RAM (GDDR2) -2			
SIZE A3	CODE CS	DOC. NUMBER 1310A22593-0-MT	REV A01
SHEET 55		OF 60	

CHANGE by Evan Shih 13-Apr-2009





INVENTEC

TITLE
Hublot_Discrete
SATA HDD extend board

SIZE A3	CODE CS	DOC. NUMBER J310A22694-0-MTR	REV A01
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Layout notes :

1. Placed R4004 close to U4002
2. Place D4002 close to R4004
3. D4001 & D4002 pin3 to FP_GND should be a short trace(20mil max) using three via to connect to FP_GND

FINGER PRINT READER DAUGHTER BOARD

FIX4001
 FIX_MASK_0.8

FIX4002
 FIX_MASK_0.8

FIX4003
 FIX_MASK_0.8

FIX4004
 FIX_MASK_0.8

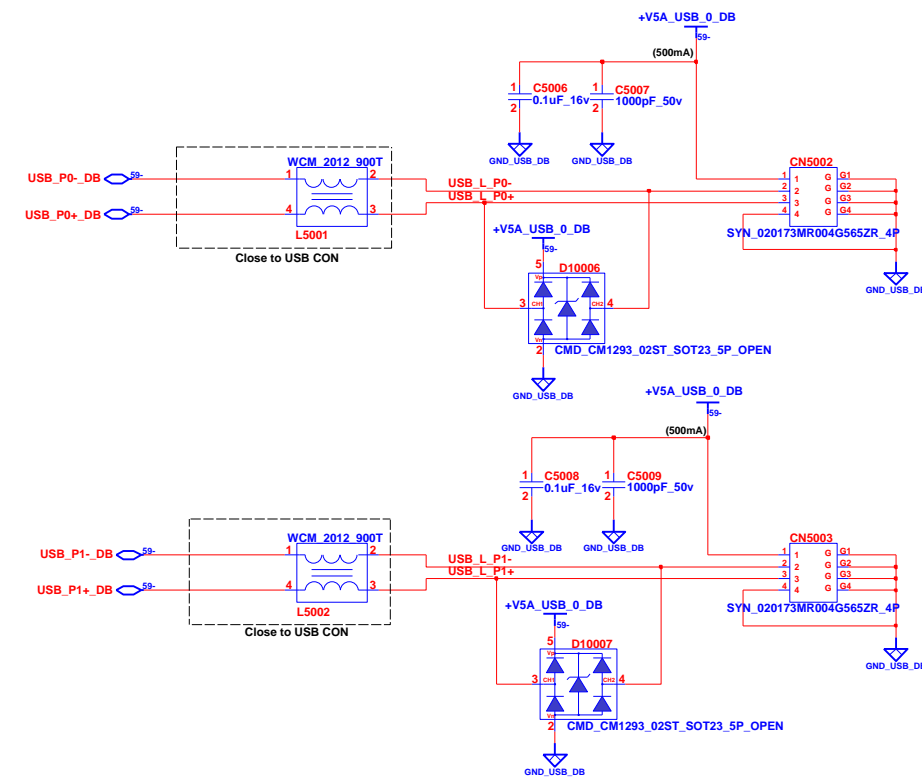
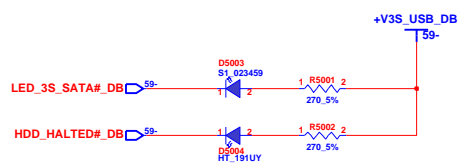
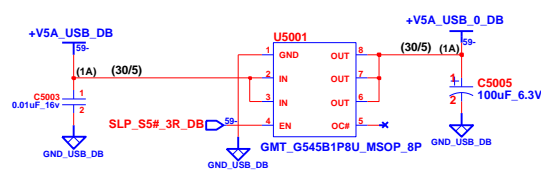
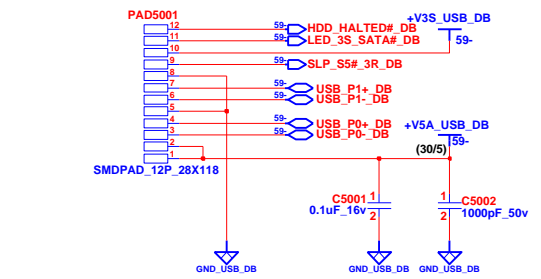
INVENTEC

TITLE
Hublot_Discrete
 Finger print board

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22693-0-MTR	A01

CHANGE by *Evan Shih* 13-Apr-2009

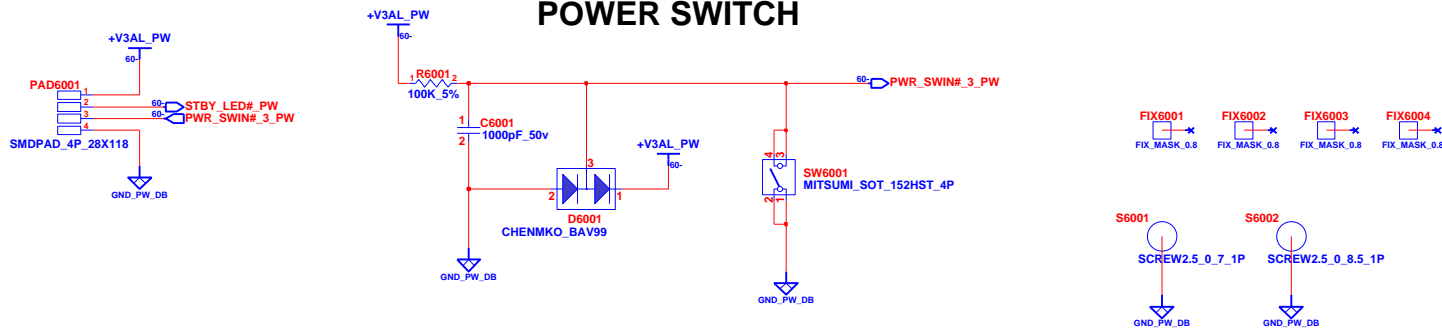
SHEET 58 OF 60



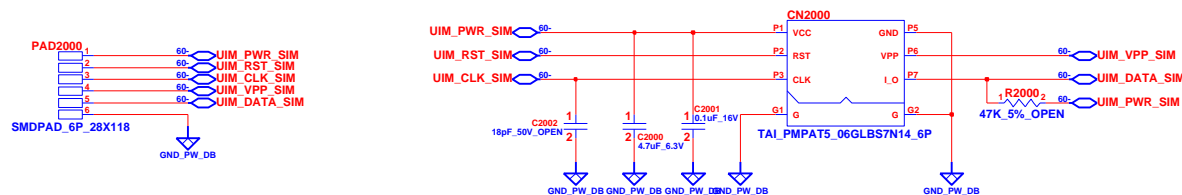
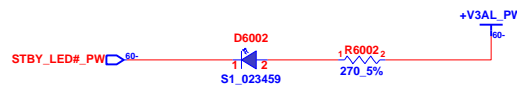
USB Extend Board

INVENTEC			
TITLE Hublot_Discrete USB extend board			
SIZE A3	CODE CS	DOC. NUMBER 1310A22692-0-MTR	REV A01
CHANGE by Evan Shih		15-Apr-2009	
SHEET		59 OF 60	

POWER SWITCH



Power / Standby LED



Power Button & SIM Card Board

INVENTEC

TITLE			
Hublot_Discrete			
Power button & SIM Card board			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22699-0-MTR	A01

CHANGE by: Evan Shih 13-Apr-2009

SHEET 60 OF 60