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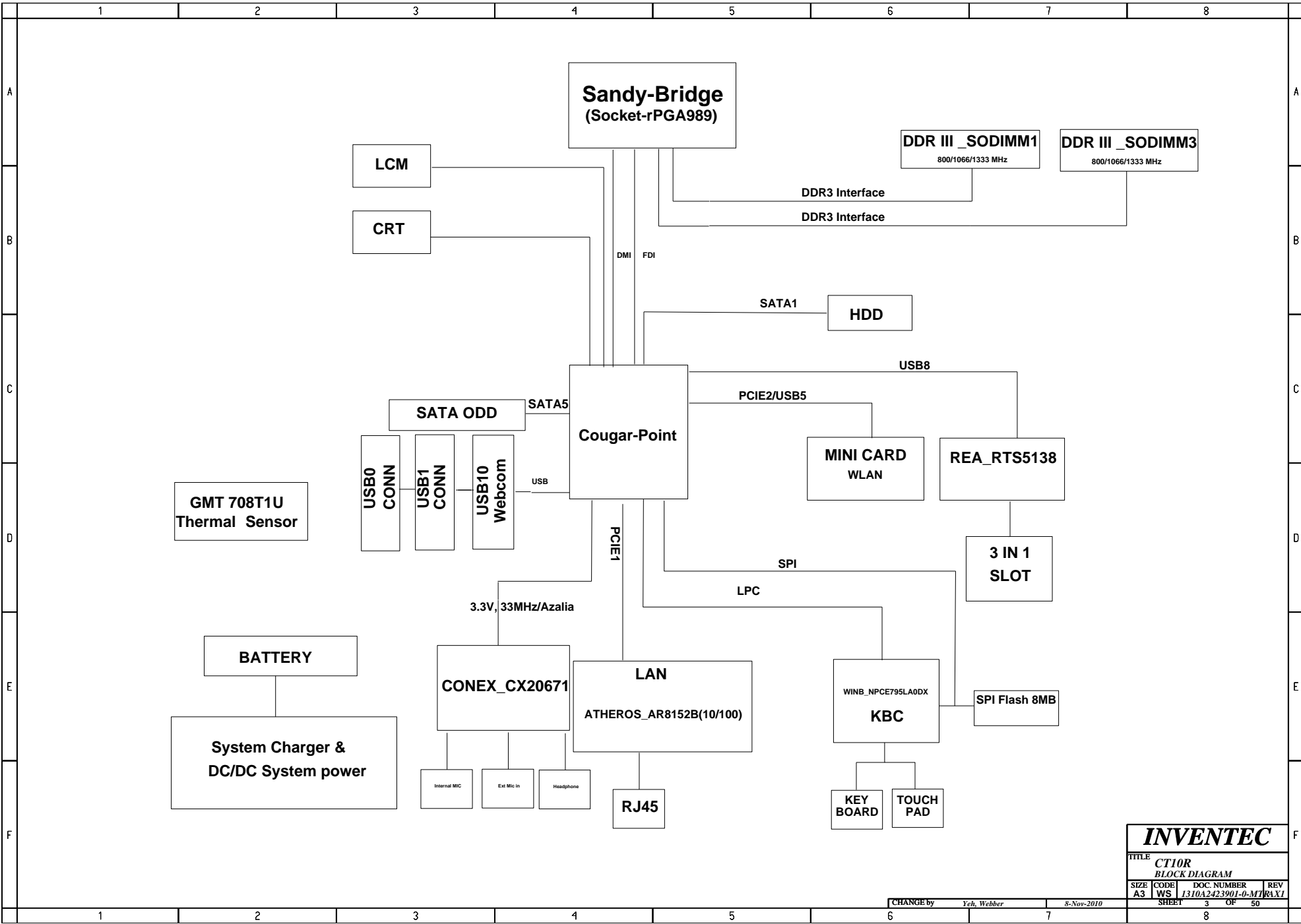
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CHANGE by Yeh, Webber 8-Nov-2010



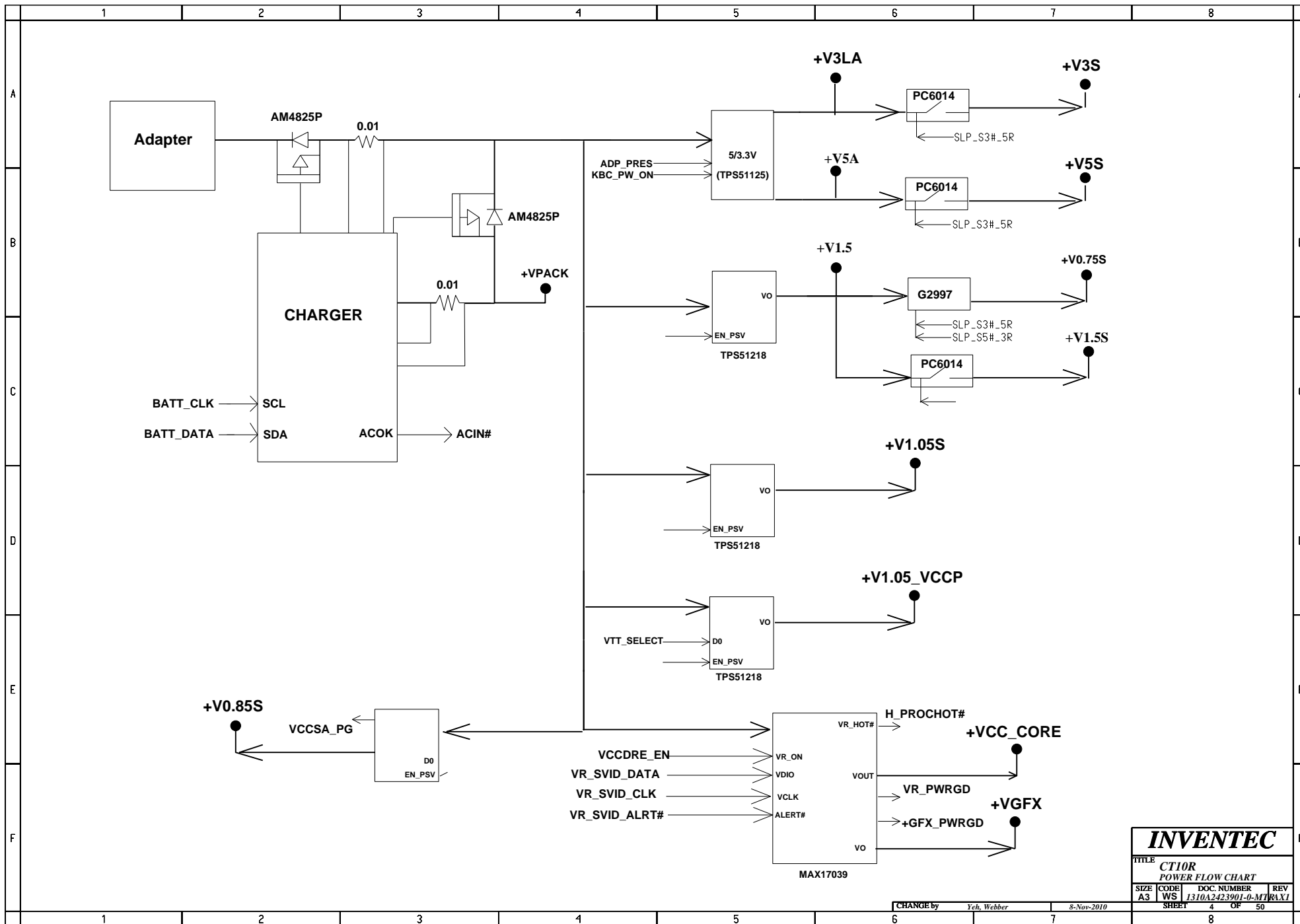
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TITLE
CT10R
BLOCK DIAGRAM

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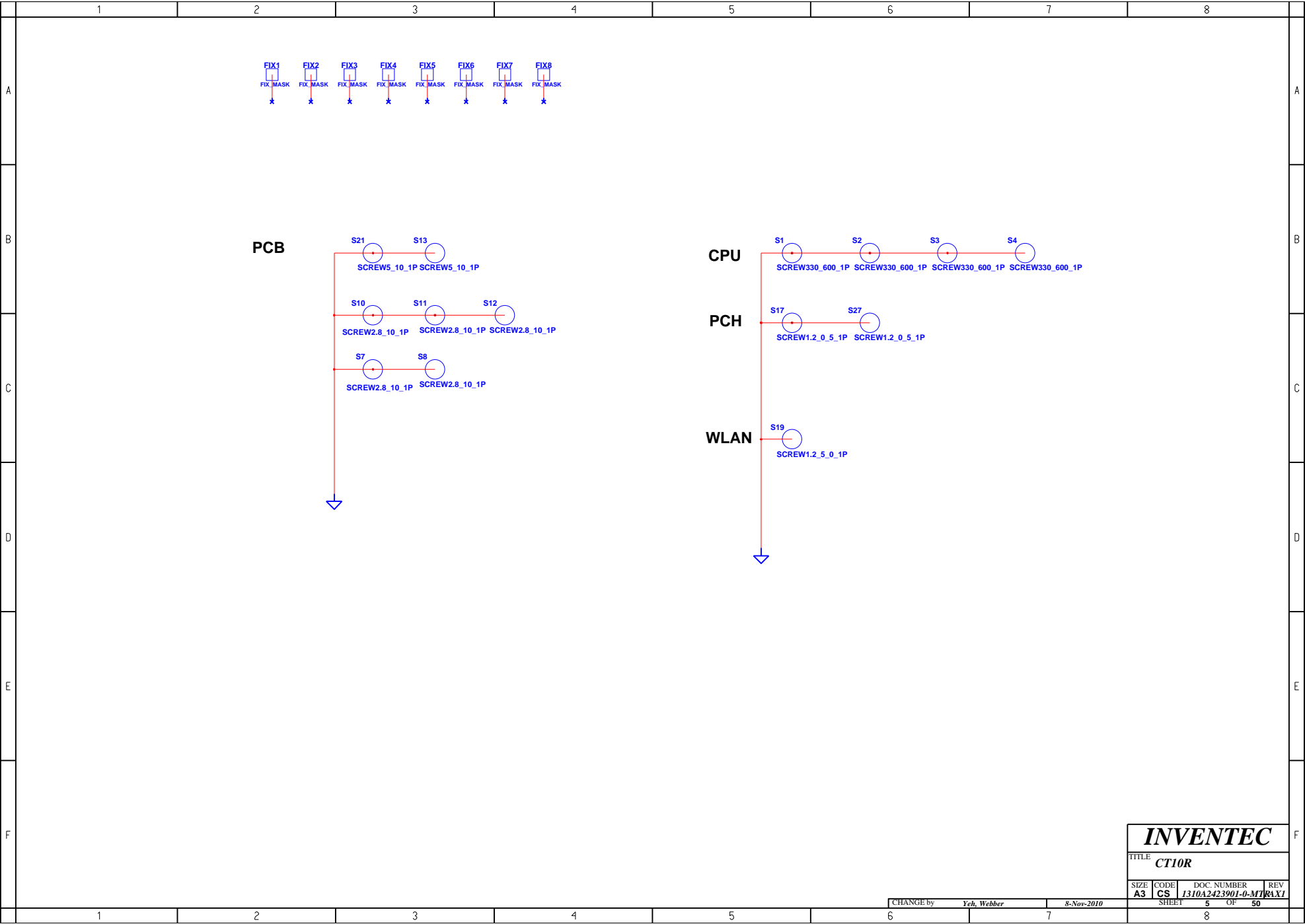
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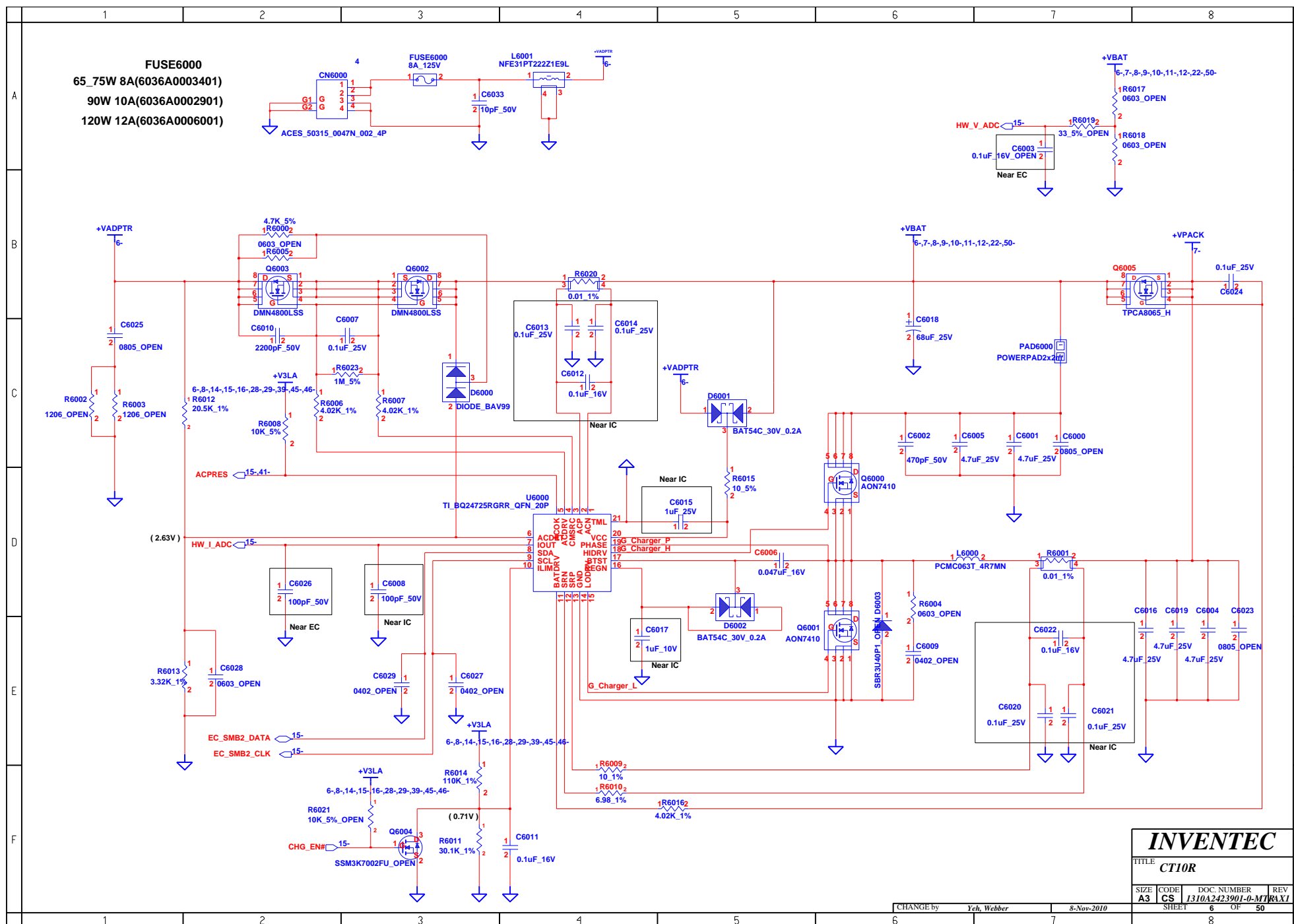
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	8		

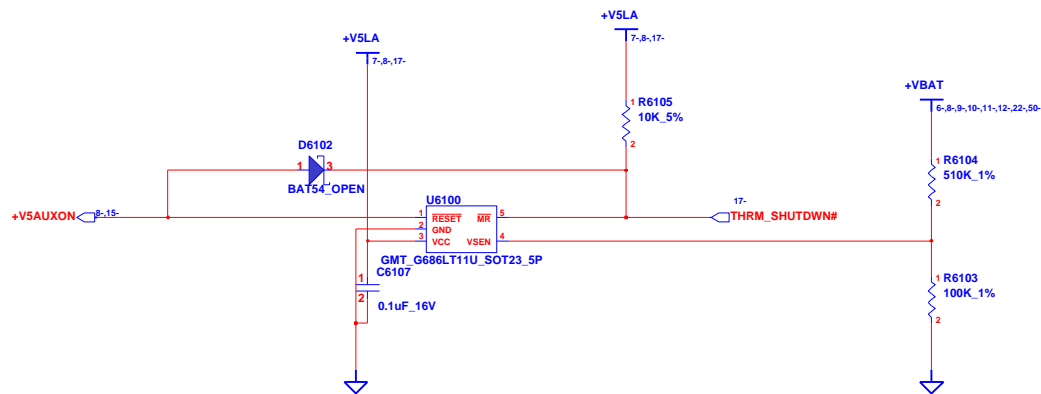
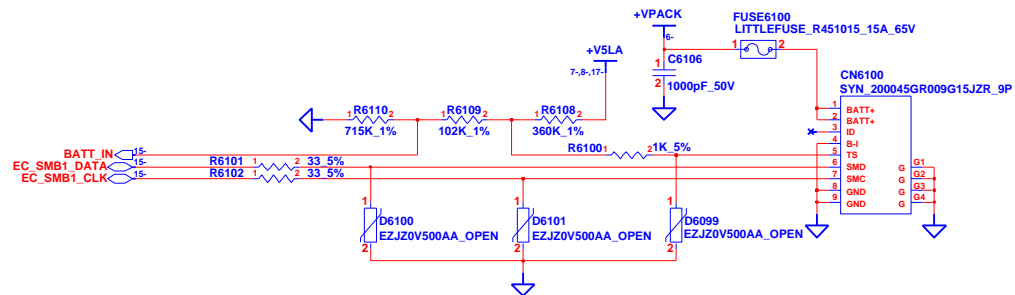


INVENTEC			
TITLE			
CT10R			
POWER FLOW CHART			
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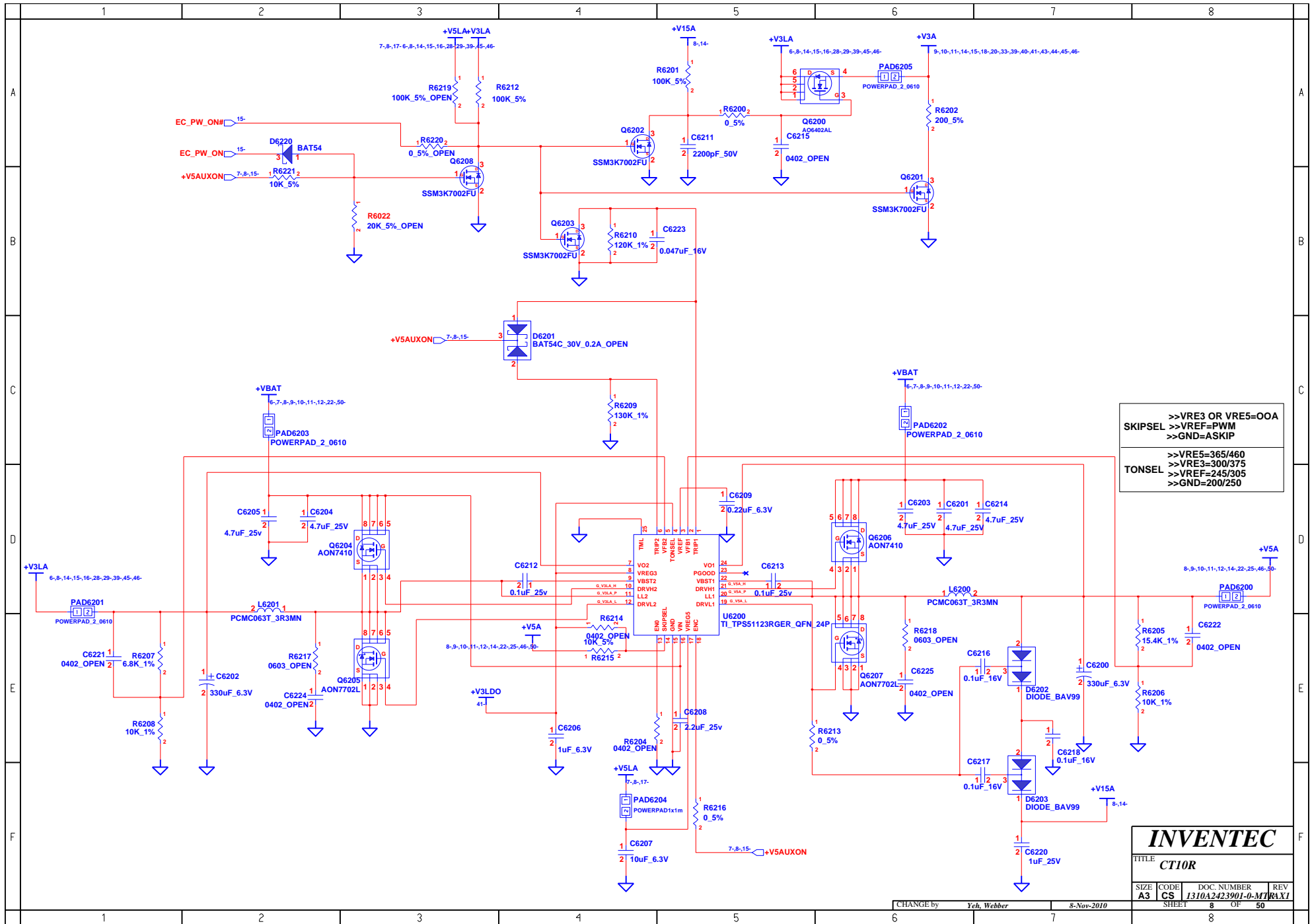


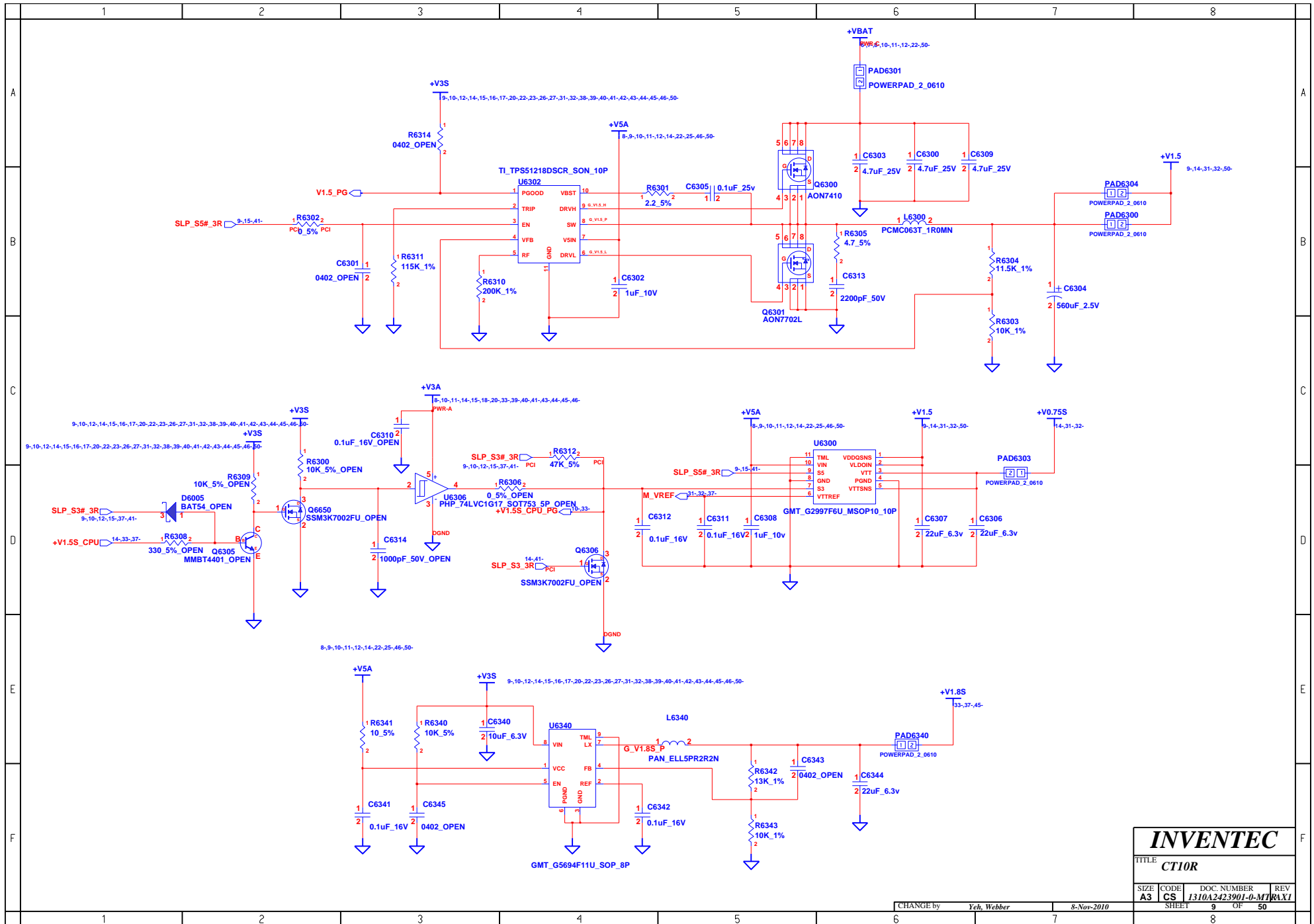


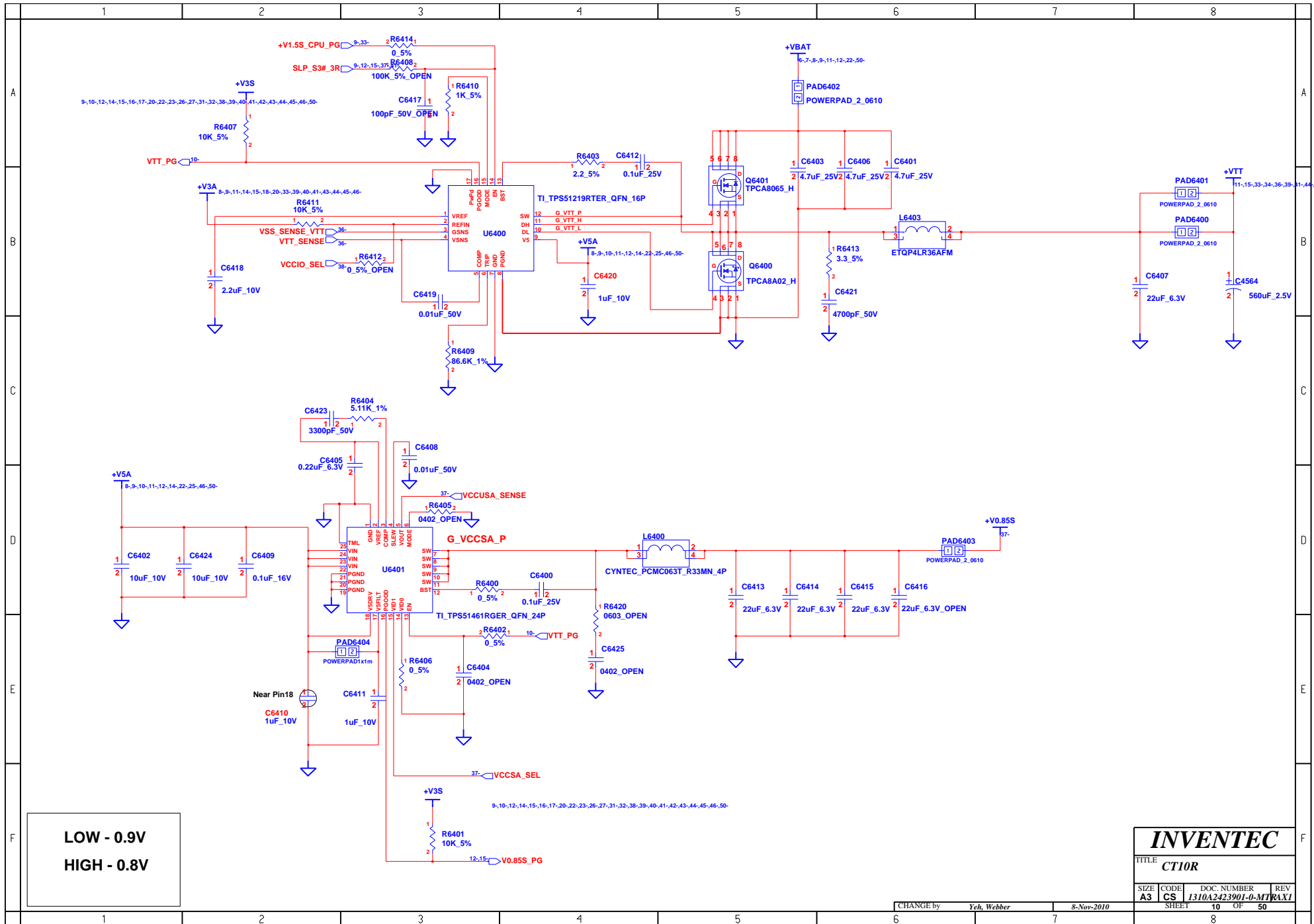


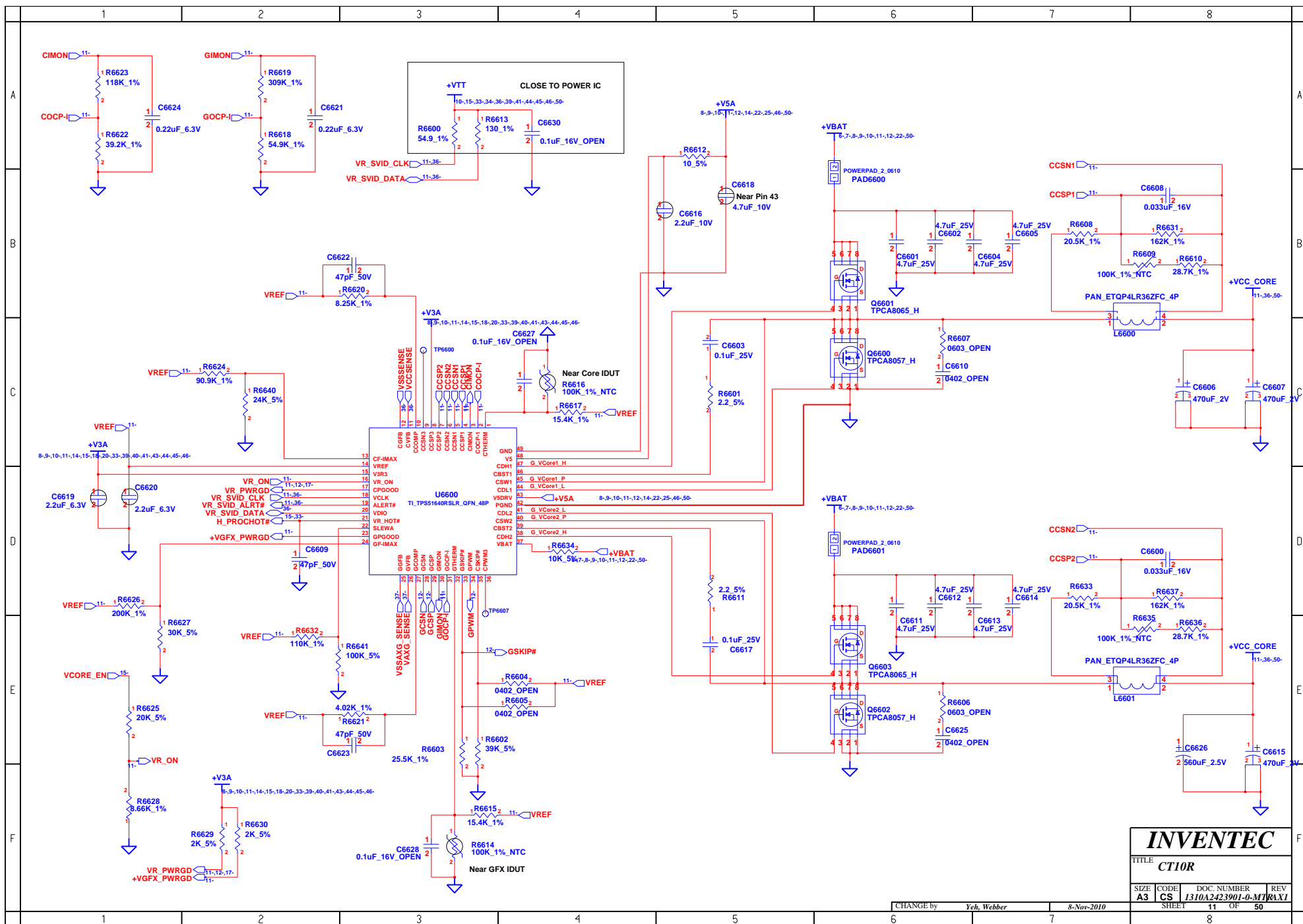
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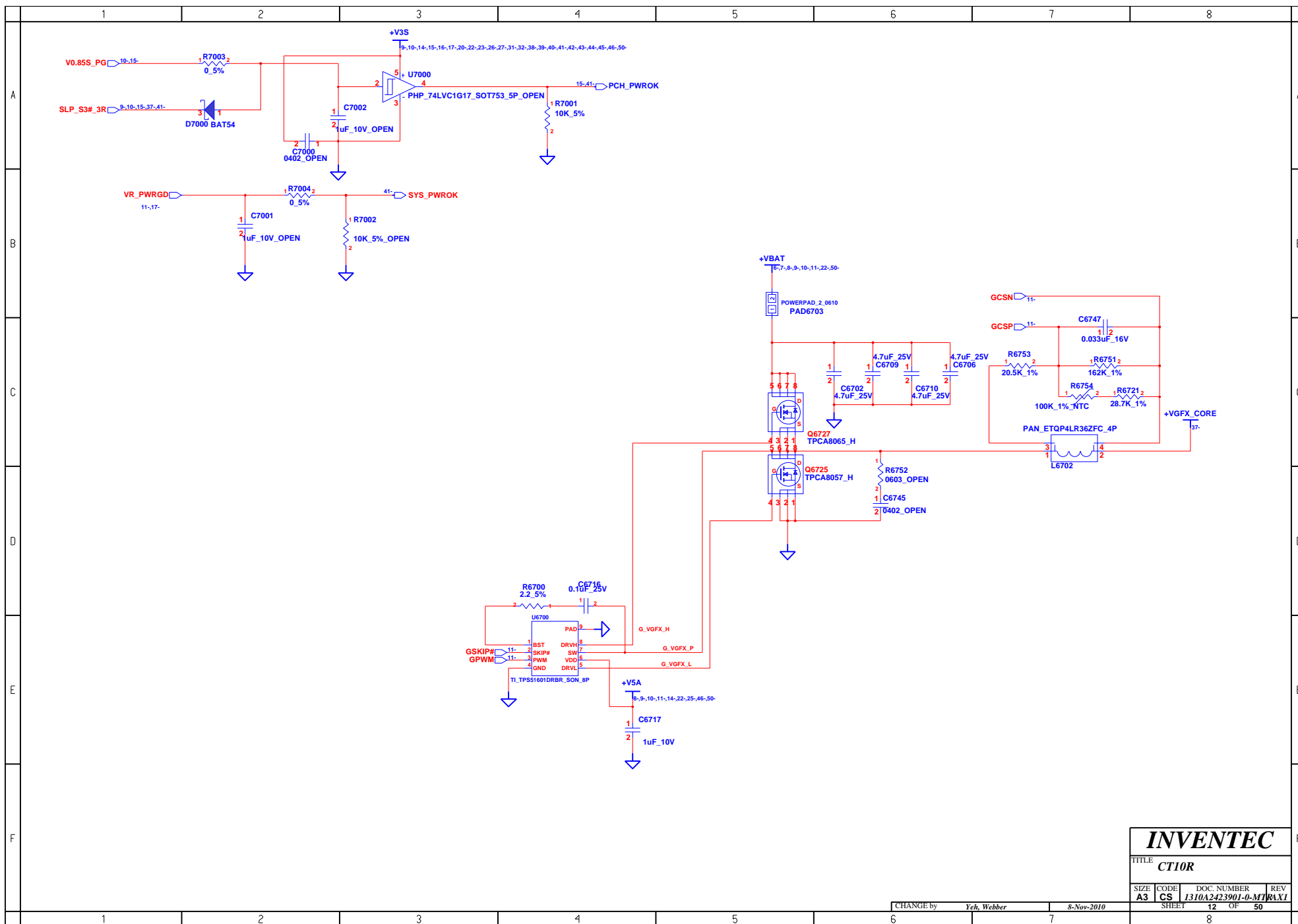
CHANGE by Yeh, Webber 8-Nov-2010











INVENTEC

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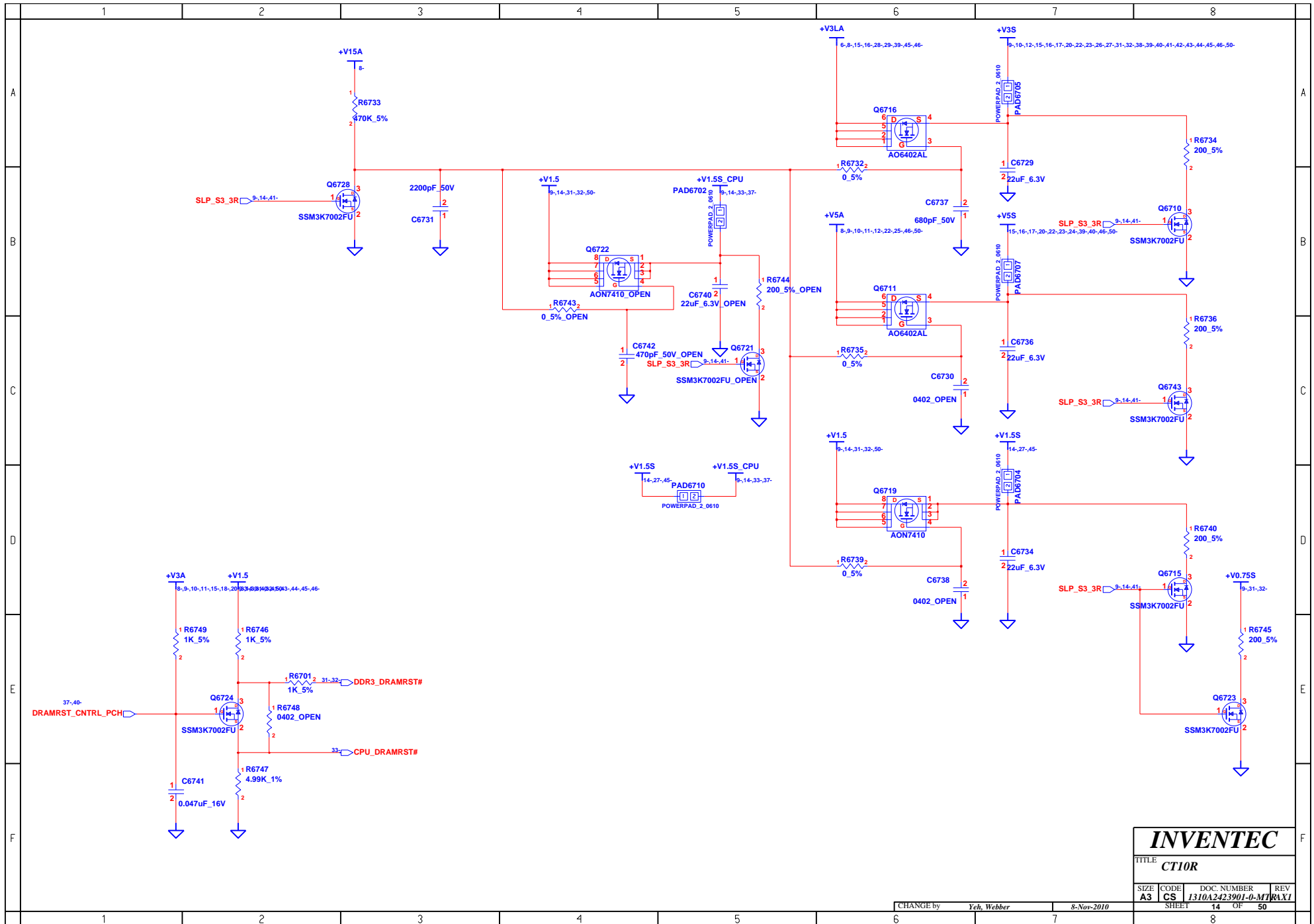
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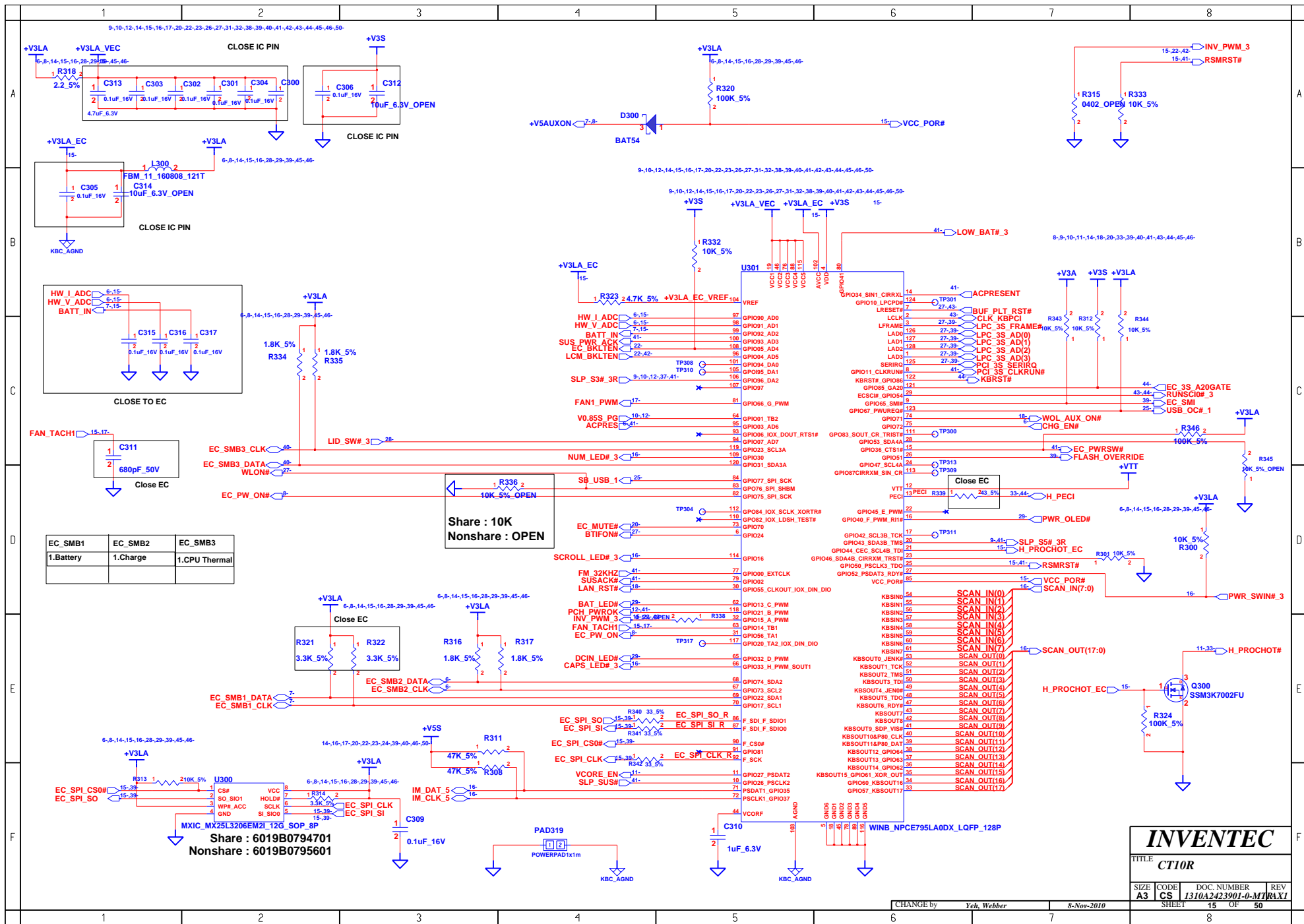
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	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F
						CHANGE by <i>Yeh, Webber</i>		8-Nov-2010	
1	2	3	4	5	6	7	8		



INVENTEC			
TITLE <i>CT10R</i>			
SIZE A3	CODE CS	DOC. NUMBER <i>1310A2423901-0-MT</i>	REV MAX1
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INVENTEC

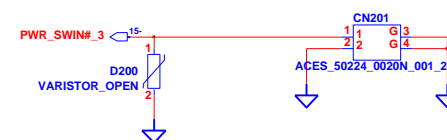
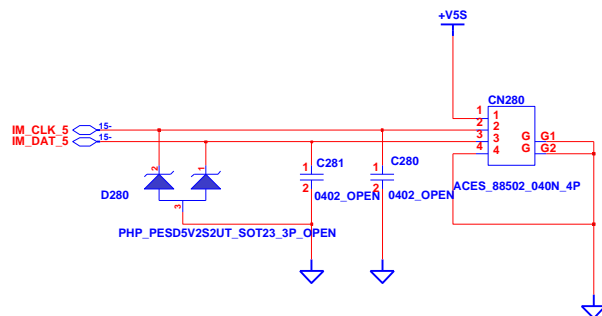
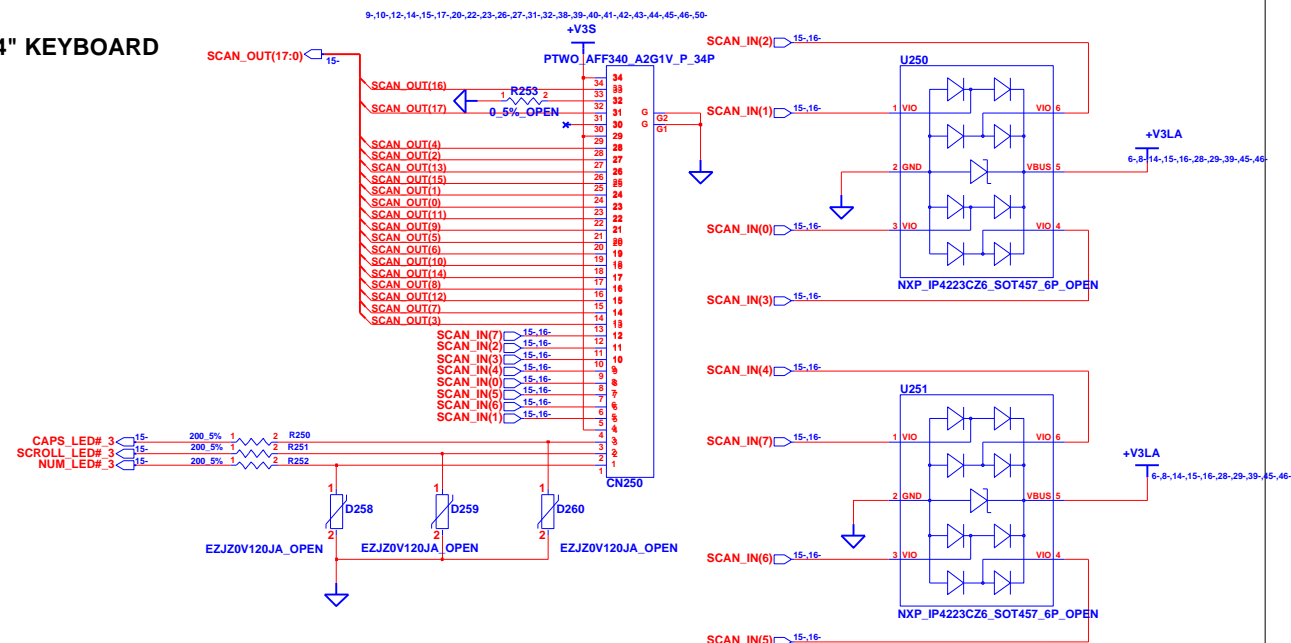
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SIZE CODE DOC. NUMBER REV
A3 CS 1310A2423901-0-MT RAX1

SHEET 15 OF 50

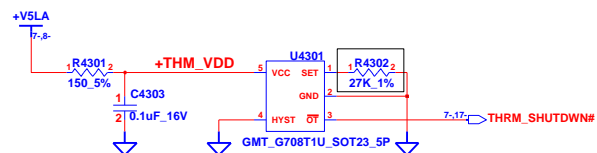
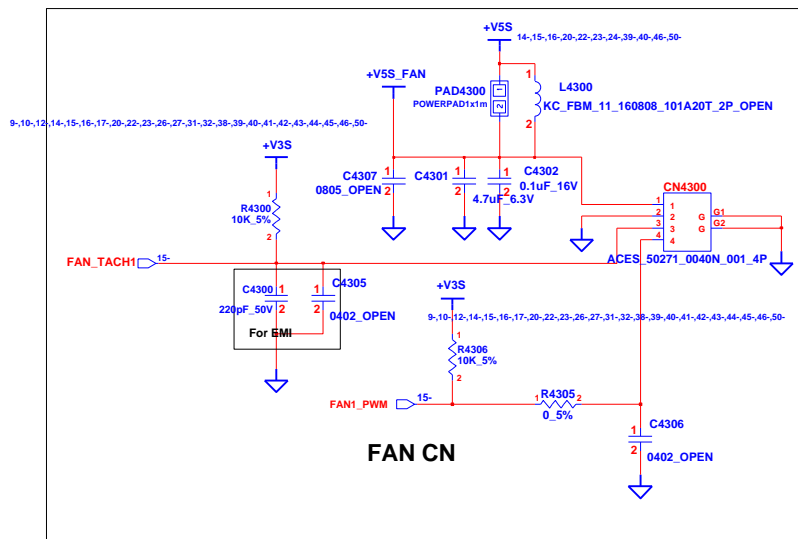
CHANGE by Yeh, Webber

8-Nov-2010

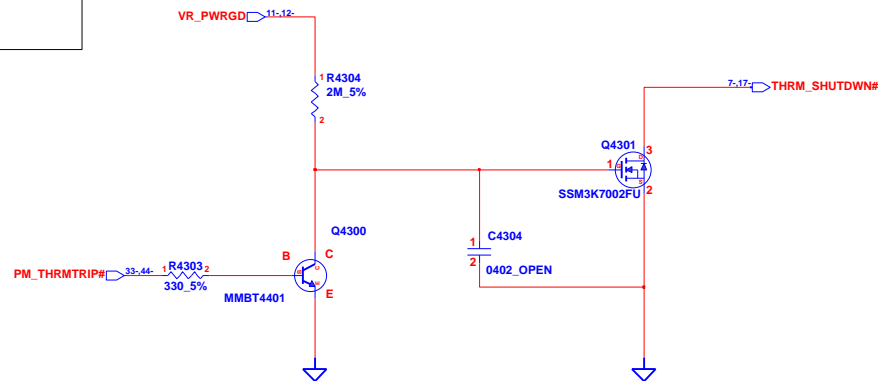


SIZE A3	CODE CS	DOC. NUMBER 1310A2423901-0-MT	REV RAX1
SHEET		16	OF 50

CHANGE by	<i>Yeh, Webber</i>	<i>8-Nov-2010</i>
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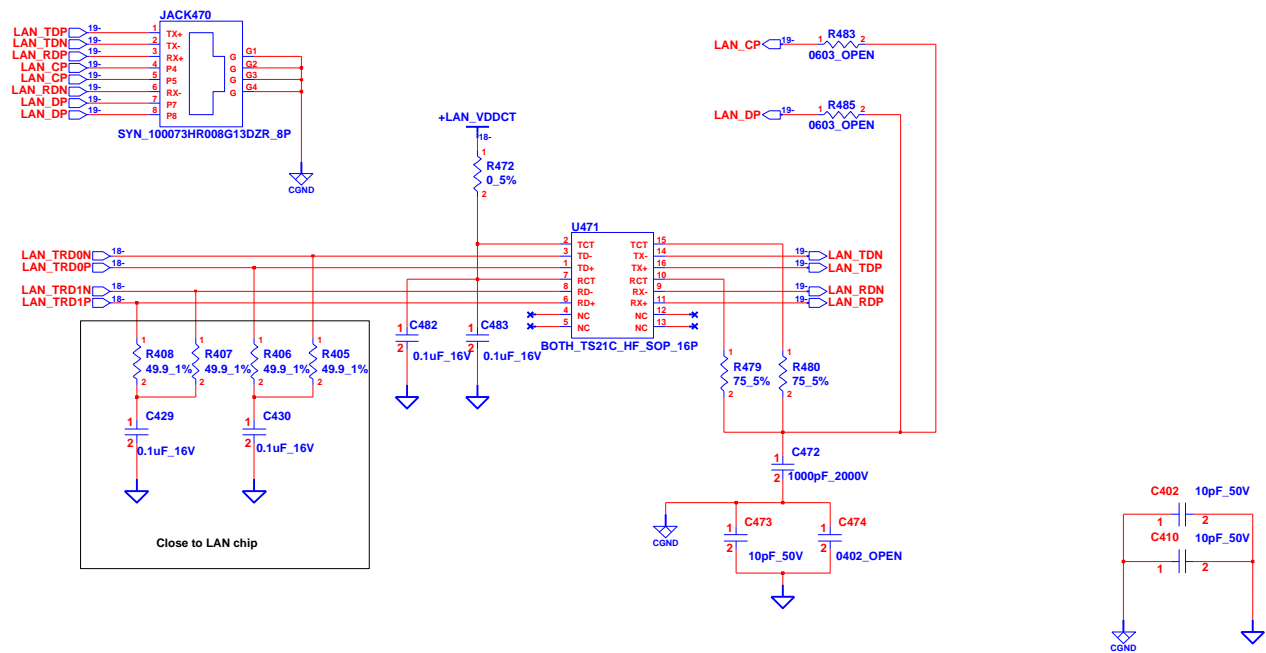


GM Thermal shutdown at 83.2°C +/-3°C from 60°C to 100°C
 PM Thermal shutdown at 91.5°C +/-3°C from 60°C to 100°C
 $RSET = 0.0012 * T^2 - 0.9308 * T + 96.147$
 Hysteresis is 30C



INVENTEC			
TITLE CT10R			
SIZE A3	CODE CS	DOC. NUMBER 1310A2423901-0-MT	REV RAX1
SHEET 17		OF 50	

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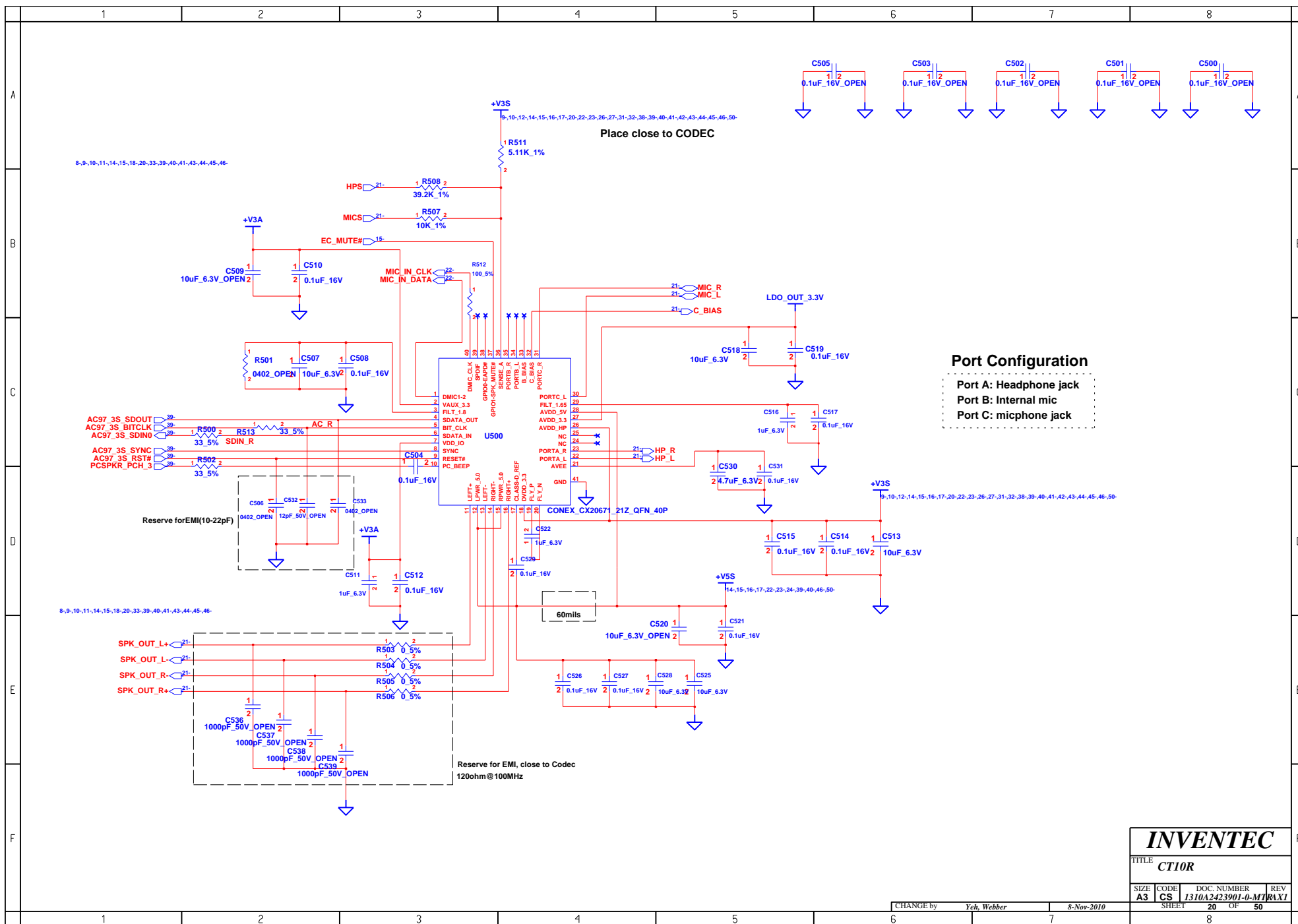
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TITLE
CT10R

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CHANGE by Yeh, Webber 8-Nov-2010

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INVENTEC

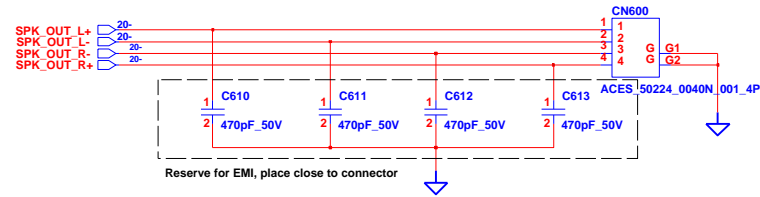
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CT10R

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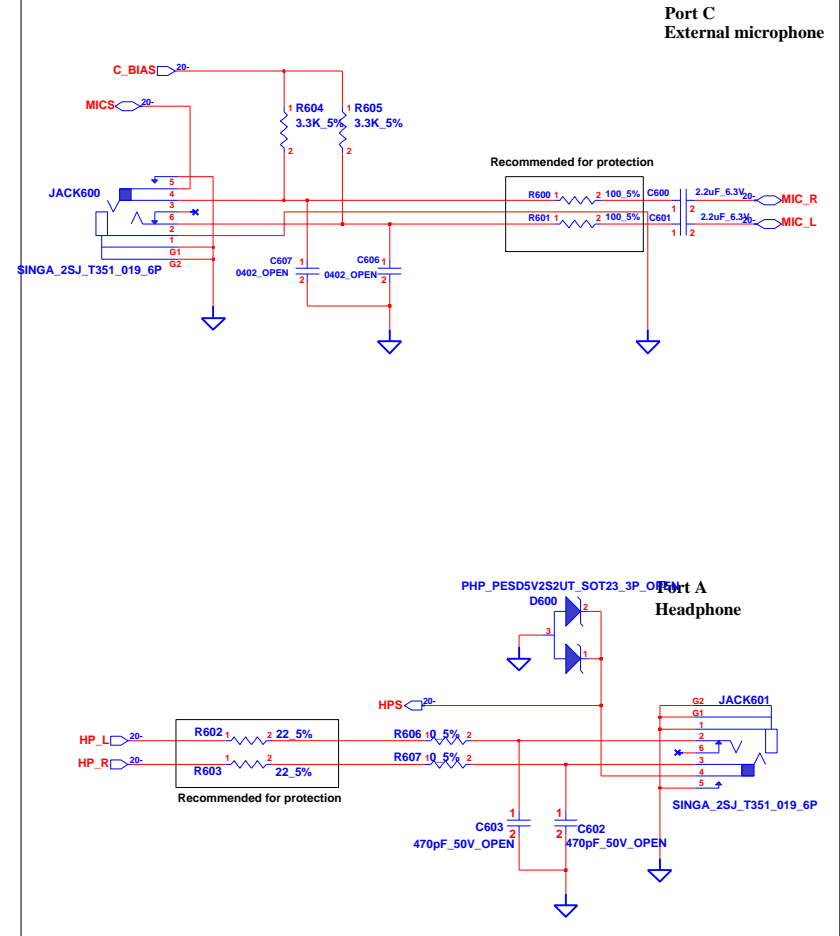
CHANGE by Yeh, Webber 8-Nov-2010

8

INTERNAL SPEAKERS



AUDIO JACKS

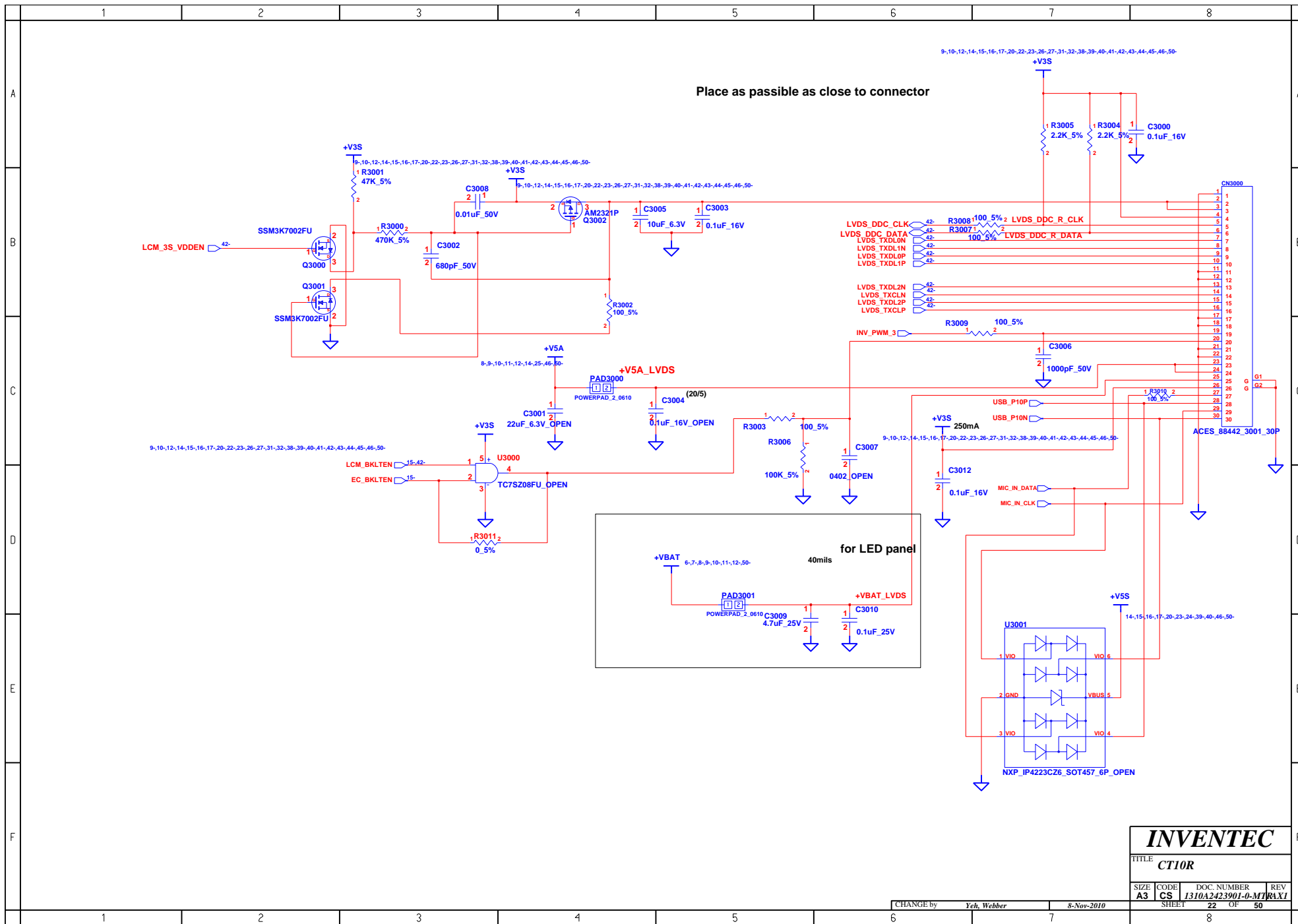


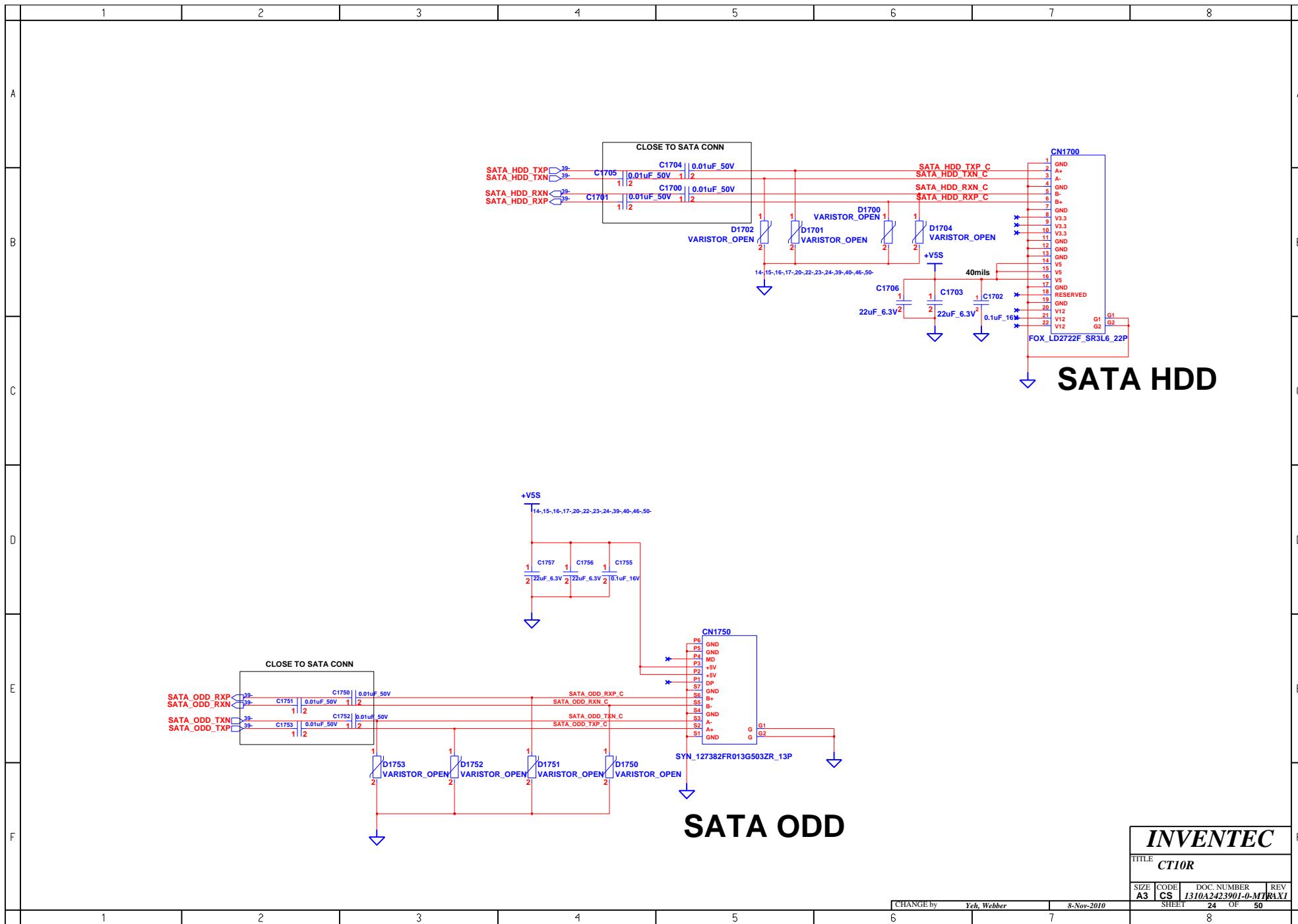
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CT10R			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2423901-0-MT	1
SHEET		OF	50

CHANGE by Yeh, Webber 8-Nov-2010

21





SATA HDD

SATA ODD

INVENTEC			
TITLE CT10R			
SIZE A3	CODE CS	DOC. NUMBER 1310A2423901-0-MT	REV RAXI
CHANGE by Yeh, Webber		8-Nov-2010	
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1

2

3

4

5

6

7

8

A

B

C

D

E

F

USB 2.0

INVENTEC

CT10R

SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2423901-0-MT	MAX1

CHANGE by

Yeh, Webber

8-Nov-2010

SHEET

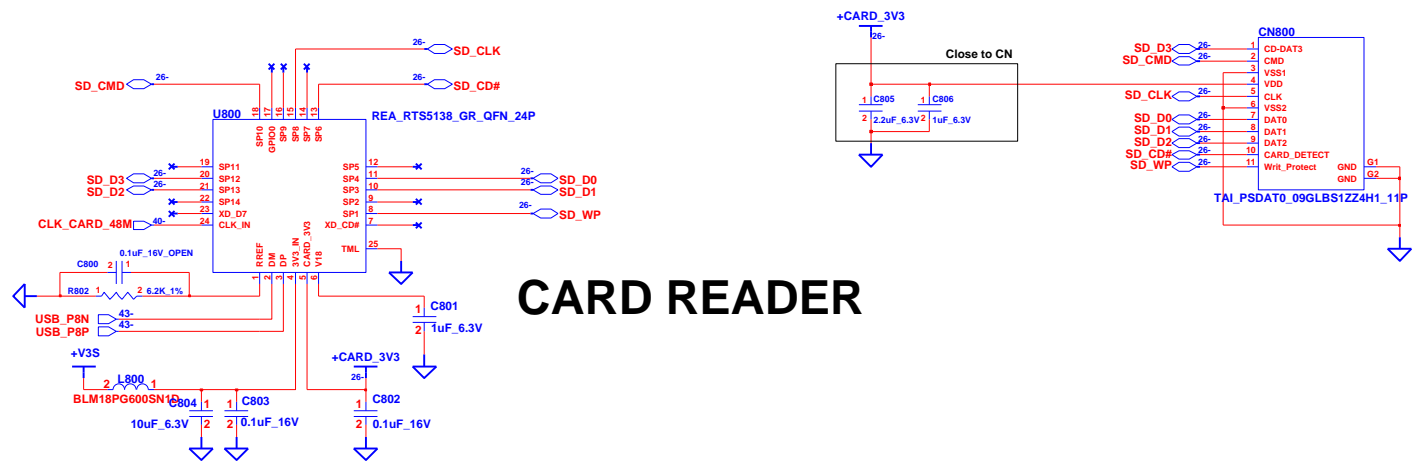
25

OF

50

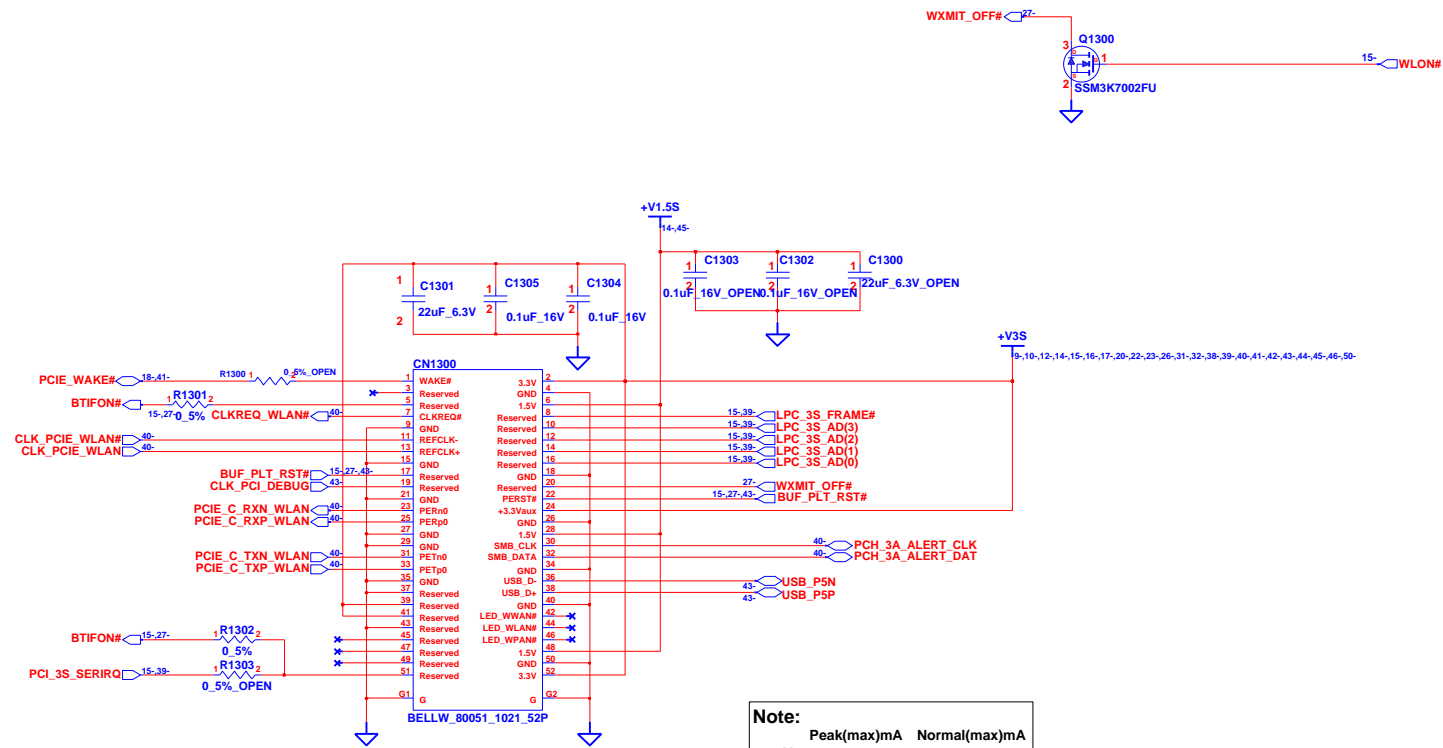
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SIZE A3	CODE CS	DOC. NUMBER 1310A2423901-0-MTRAX1	REV
SHEET		25	OF 50



INVENTEC			
TITLE CT10R			
SIZE A3	CODE CS	DOC. NUMBER 1310A2423901-0-MT	REV MAX1
CHANGE by Yeh, Webber		8-Nov-2010	
SHEET 26		OF 50	

Wireless & Debug card



MINI CARD 1

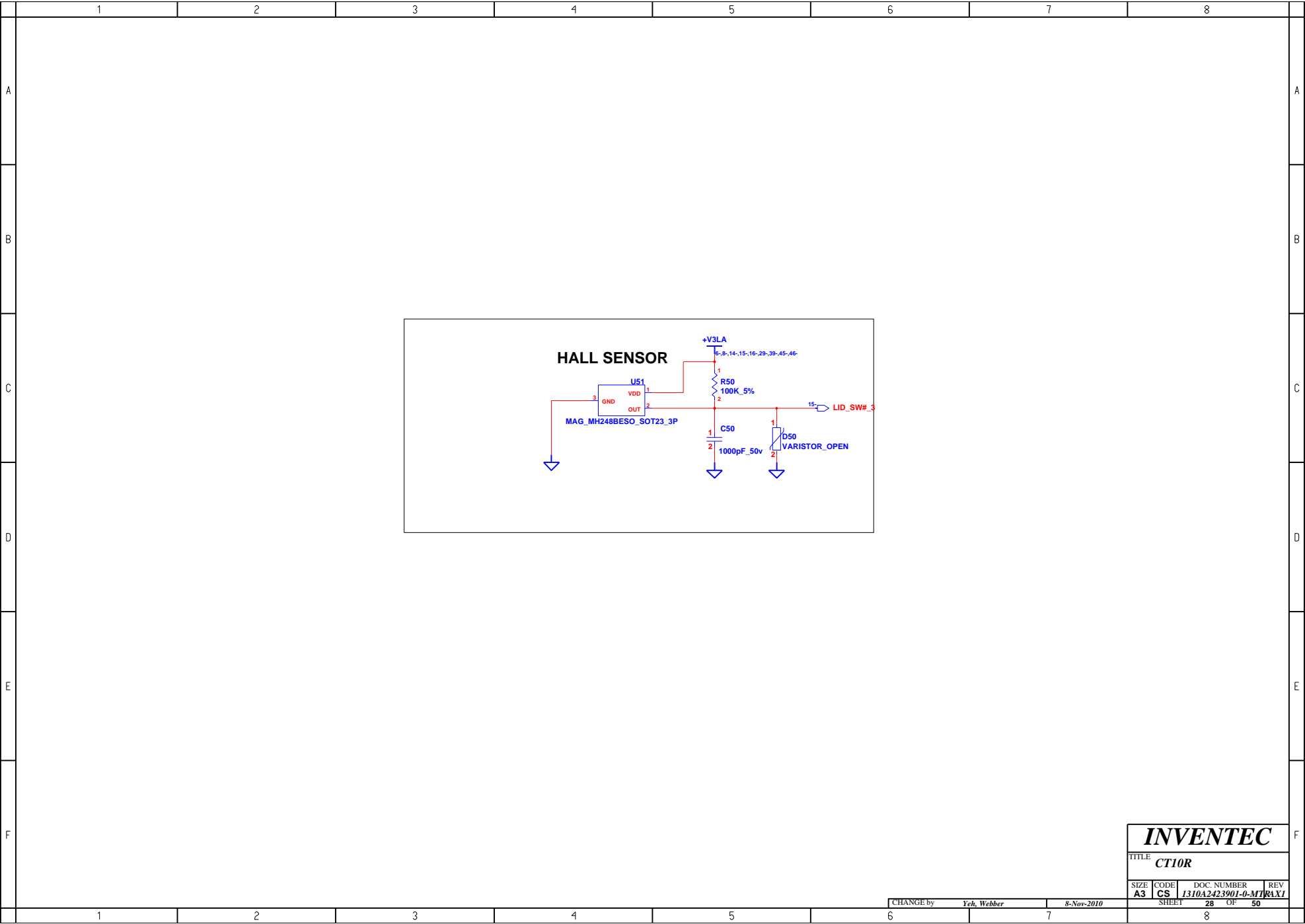
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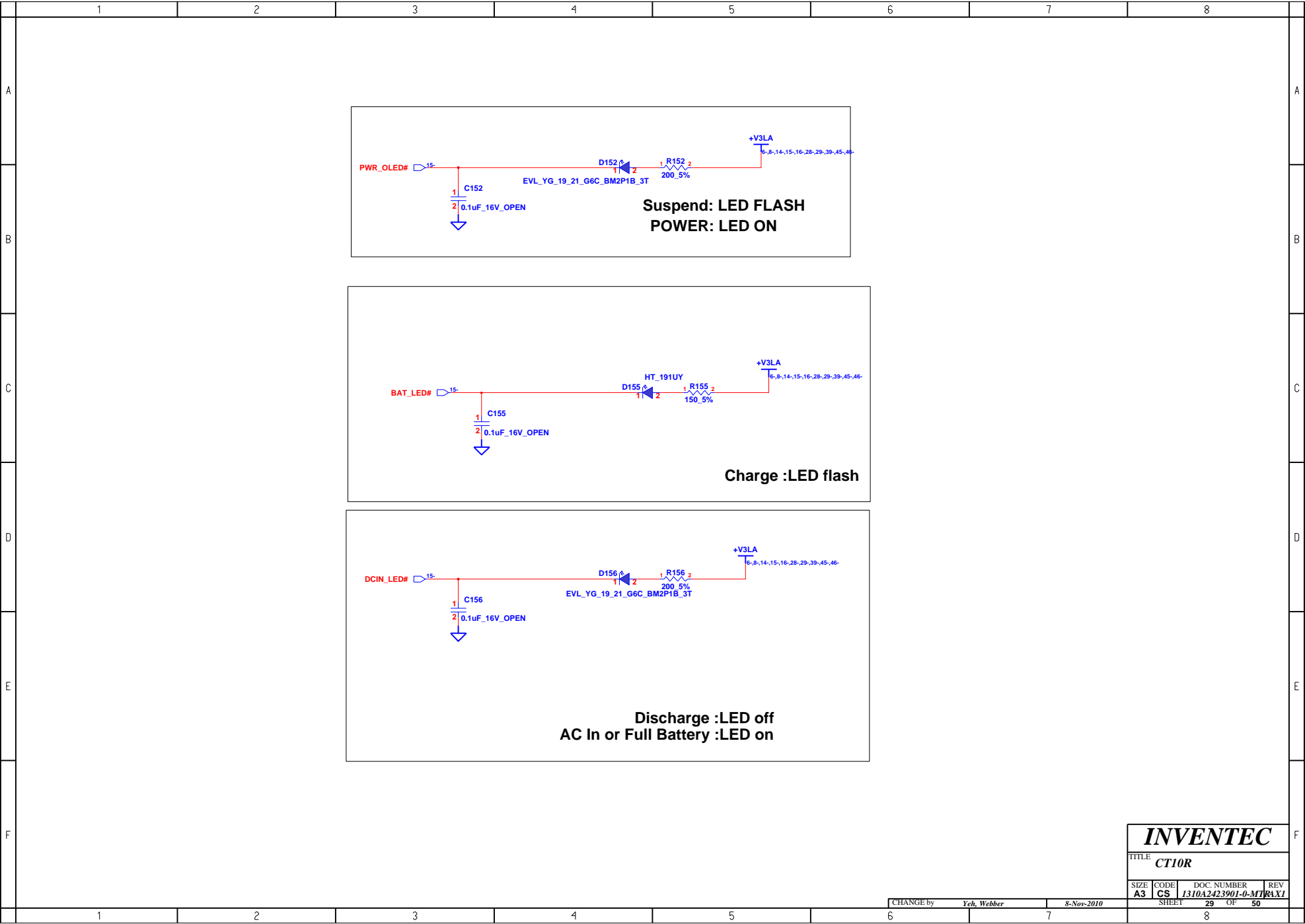
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CHANGE by Yeh, Webber 8-Nov-2010

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TITLE CT10R			
SIZE A3	CODE CS	DOC. NUMBER 1310A2423901-0-MT	REV RXX1
CHANGE by Yeh, Webber		8-Nov-2010	
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	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

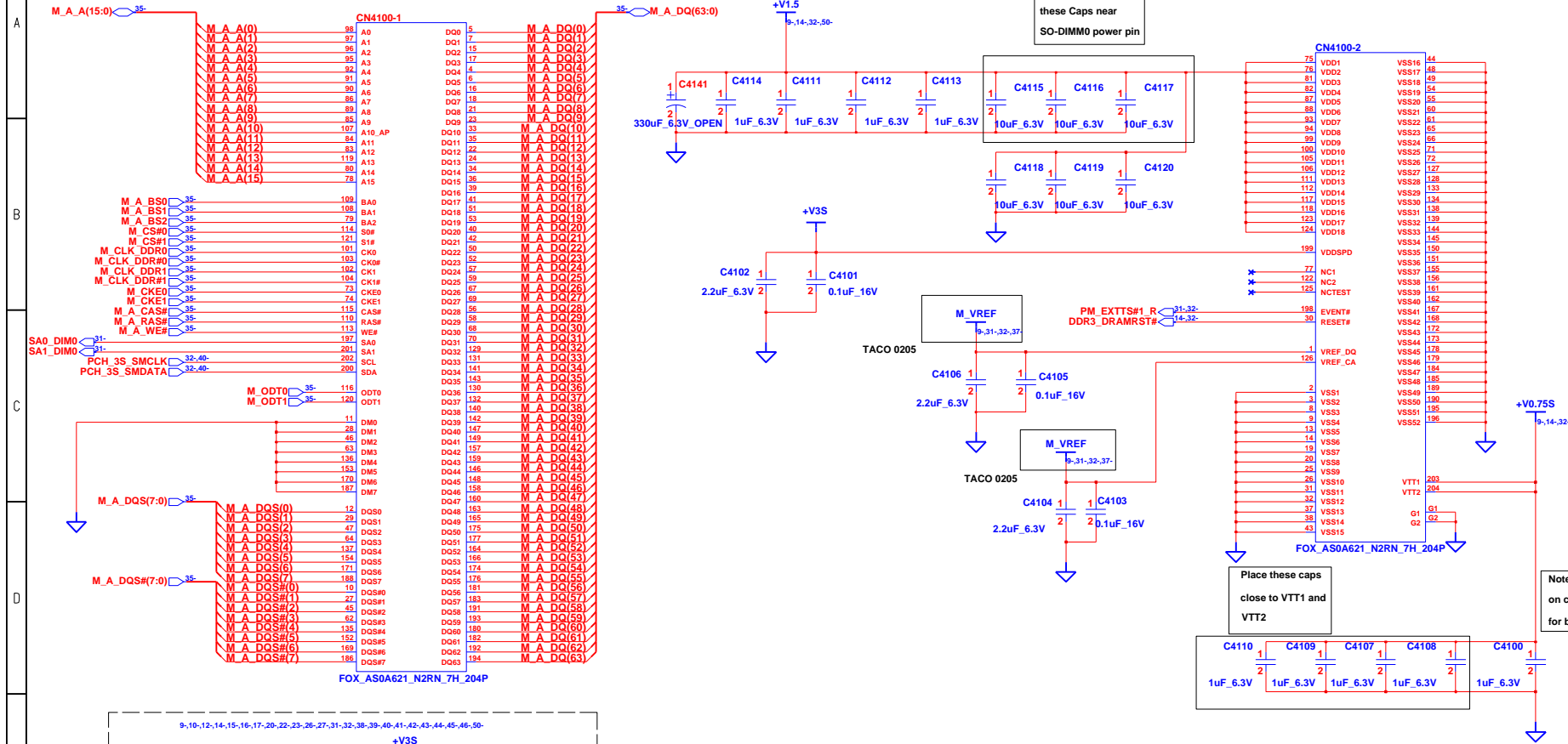
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TITLE CT10R CLKGEN			
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CHANGE by *Yeh, Webber* 8-Nov-2010

CHA

9,10,12,14,15,16,17,20,22,23,26,27,31,32,38,39,40,41,42,43,44,45,46,50-

Layout NOTE: Place
these Caps near
SO-DIMM0 power pin



NOTE:

IF SA0_DIM0=0, SA1_DIM0=0
SO-DIMMA SPD ADDRESS IS 0xA0
SO-DIMMA TS ADDRESS IS 0x30

IF SA0_DIM0=1, SA1_DIM0=0
SO-DIMMA SPD ADDRESS IS 0xA2
SO-DIMMA TS ADDRESS IS 0x32

INVENTEC

TITLE
CT10R

SIZE	CODE	DOC. NUMBER	REV
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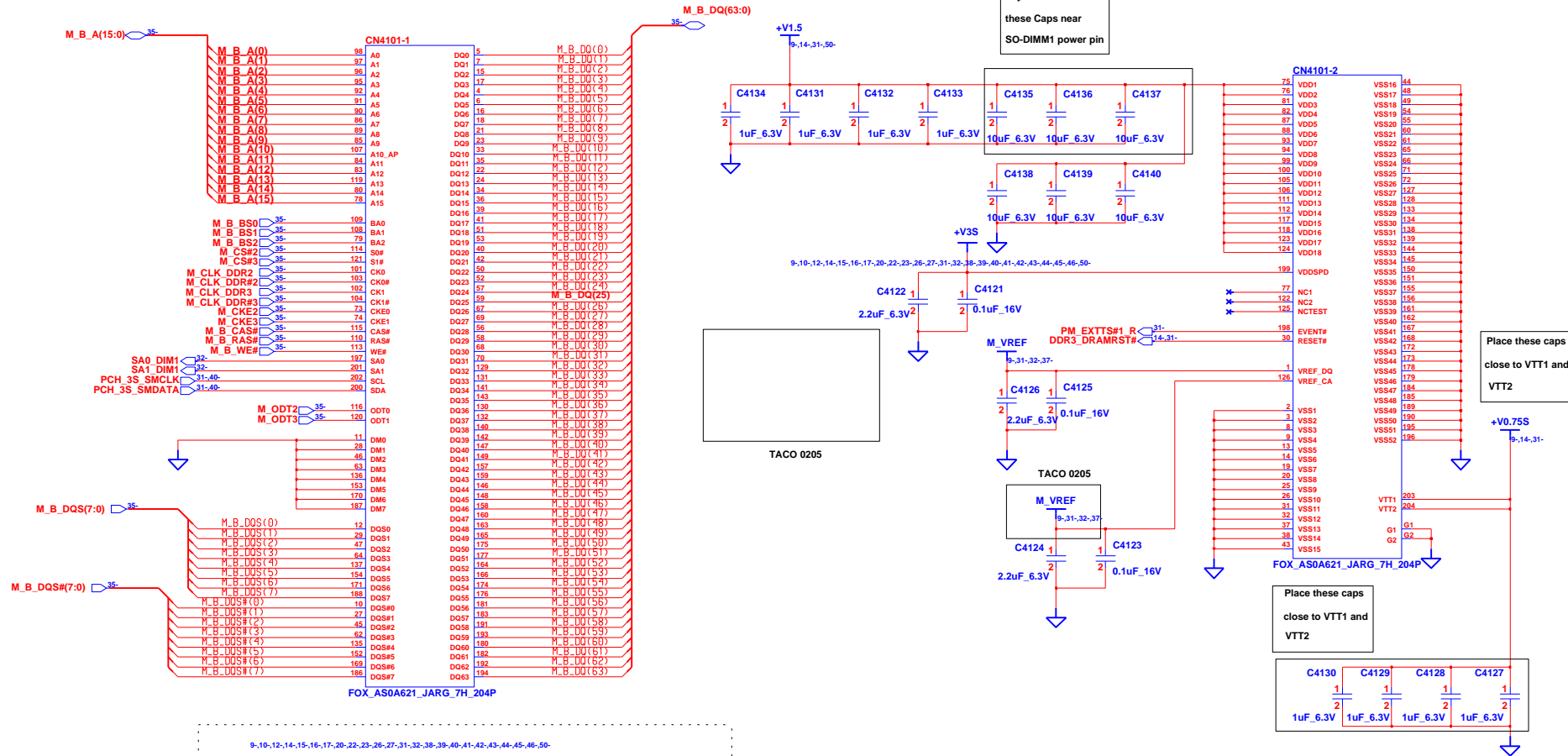
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CHANGE by Yeh, Webber 8-Nov-2010

SHEET 31 OF 50

CHB

Layout Note: Place these Caps near SO-DIMM1 power pin

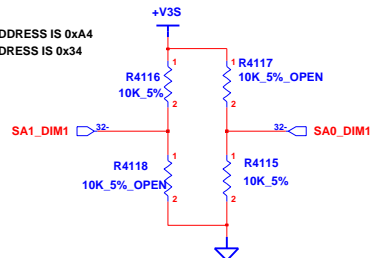


9-10-12-14-15-16-17-20-22-23-26-27-31-32-38-39-40-41-42-43-44-45-46-50-

NOTE:

SO-DIMMB SPD ADDRESS IS 0xA4

SO-DIMMB TS ADDRESS IS 0x34

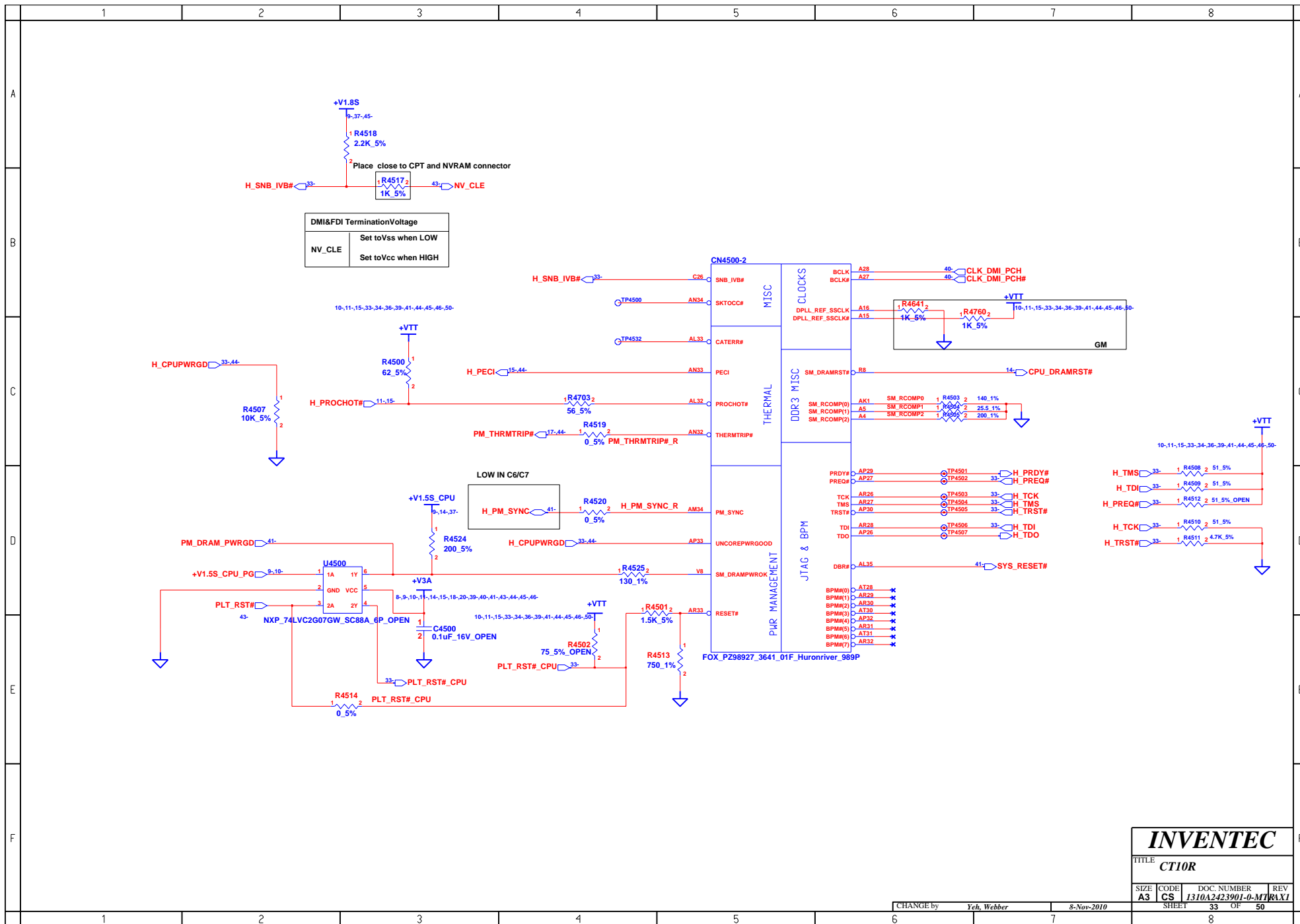


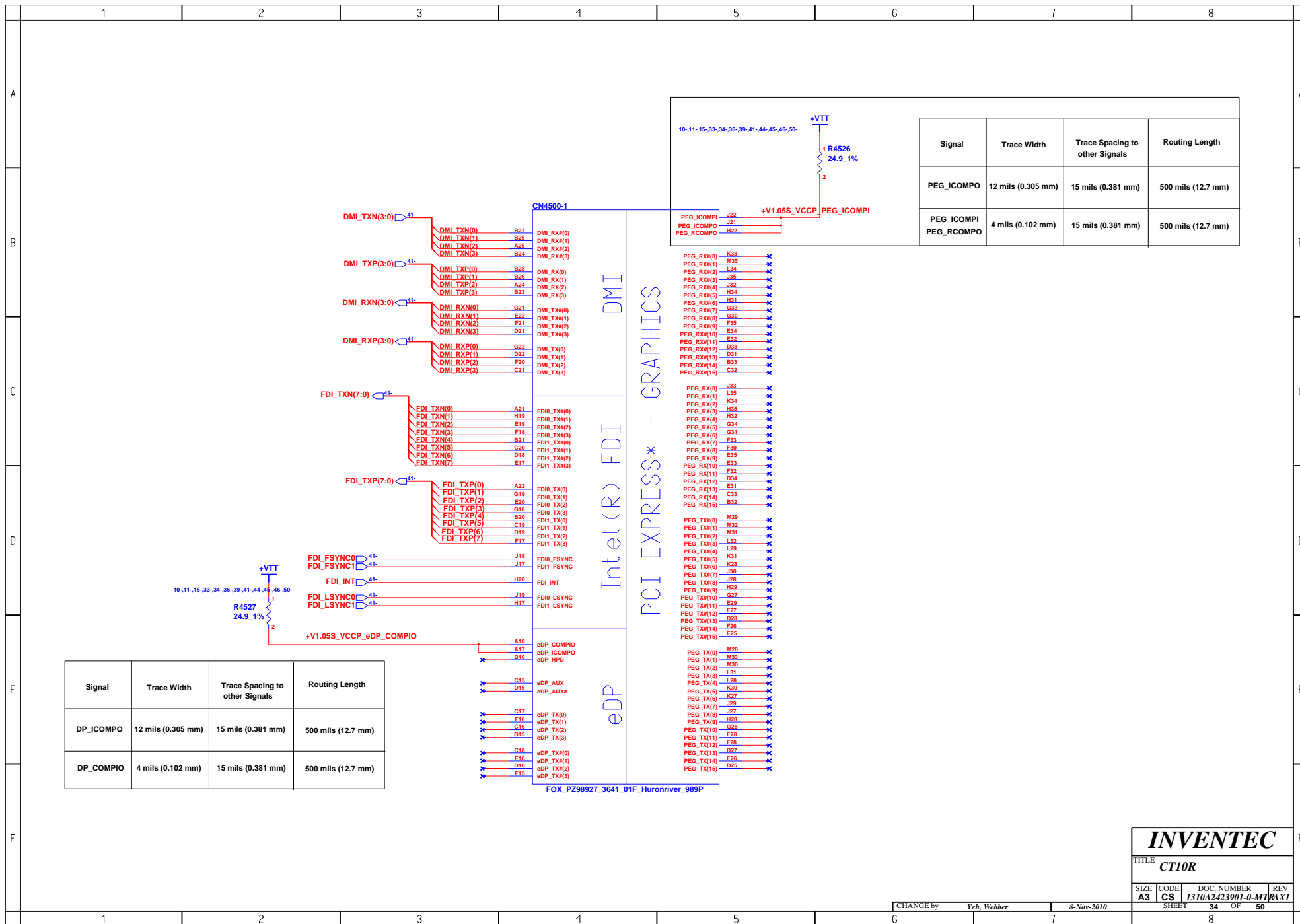
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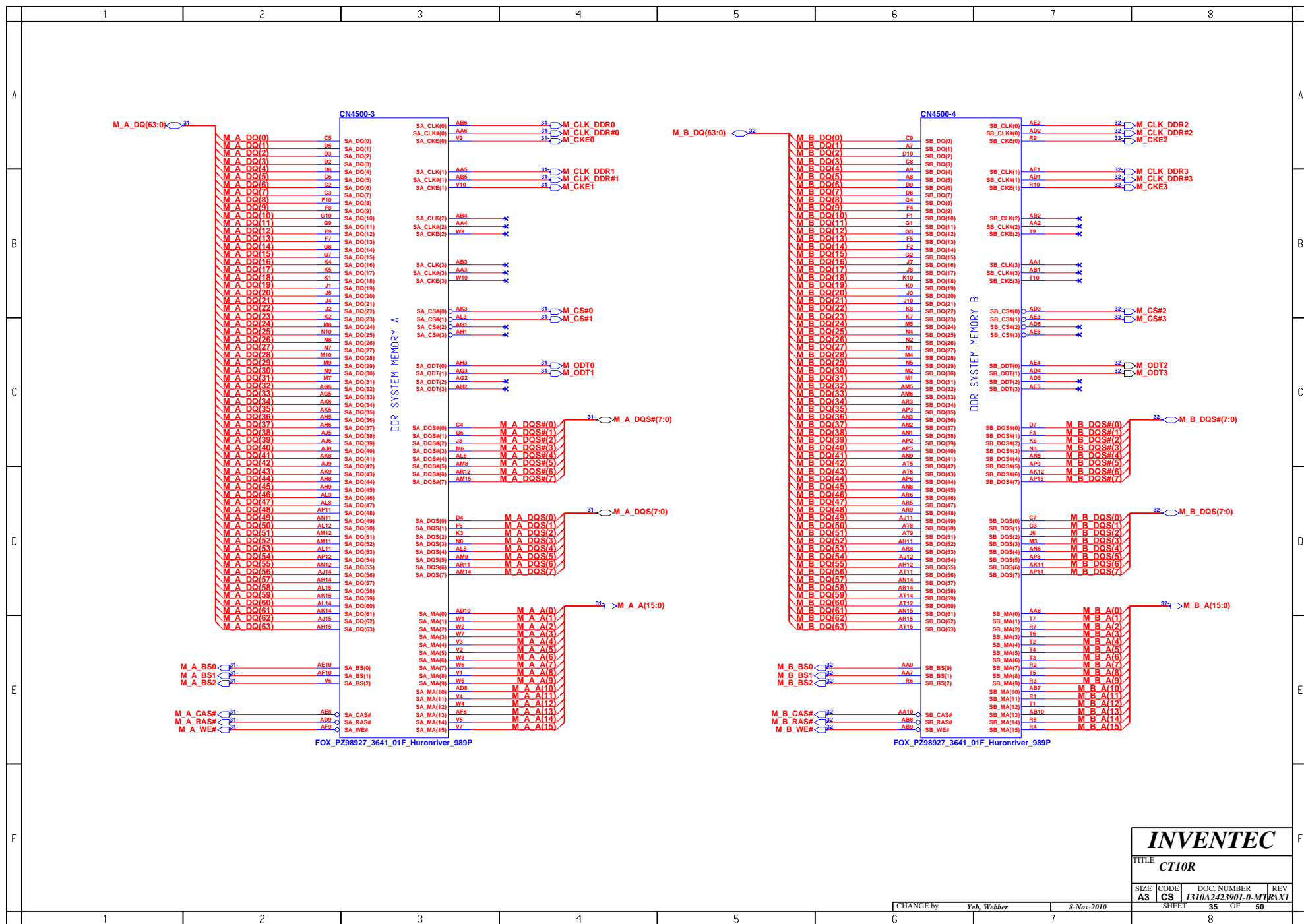
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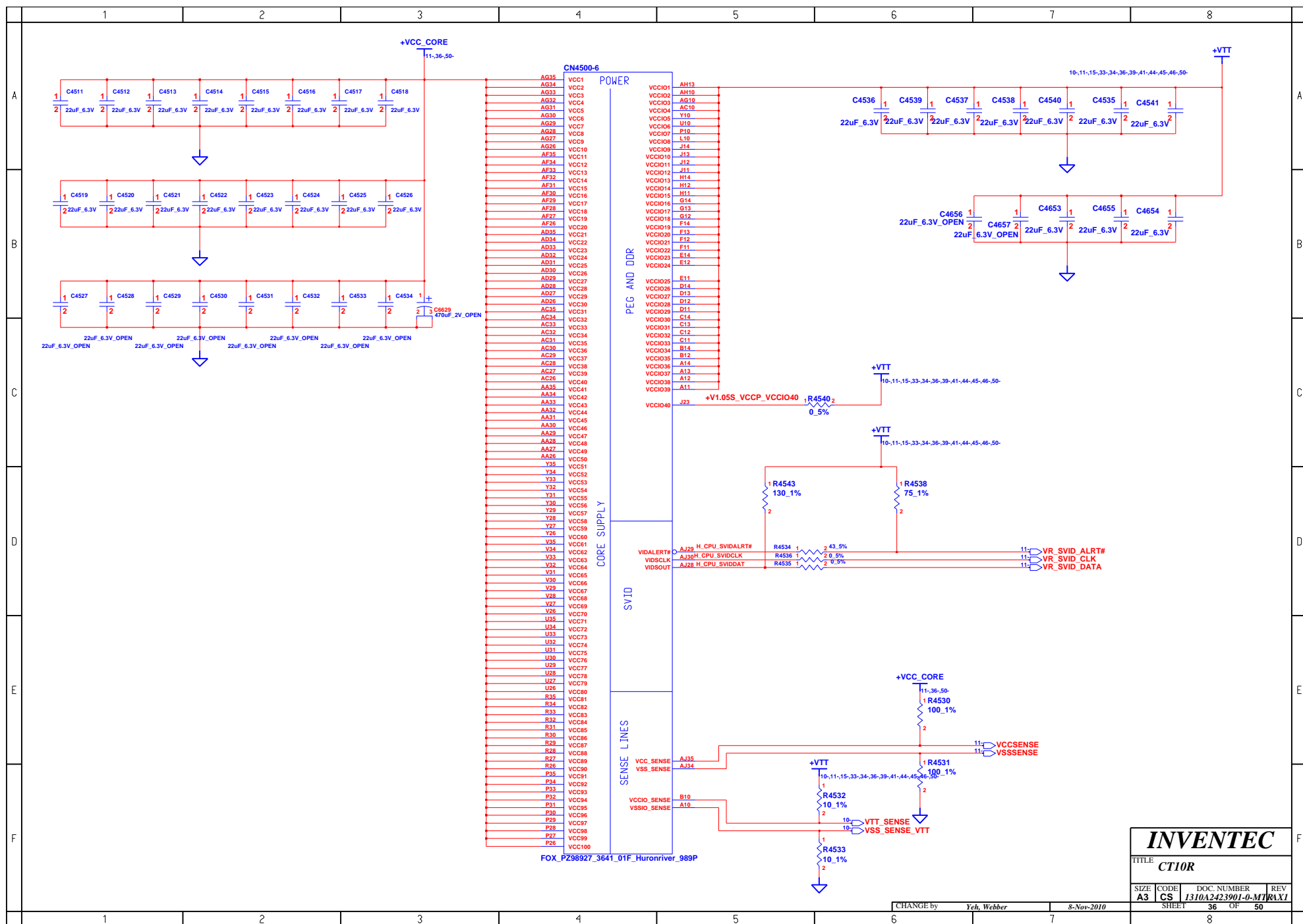
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CHANGE by Yeh, Webber 8-Nov-2010

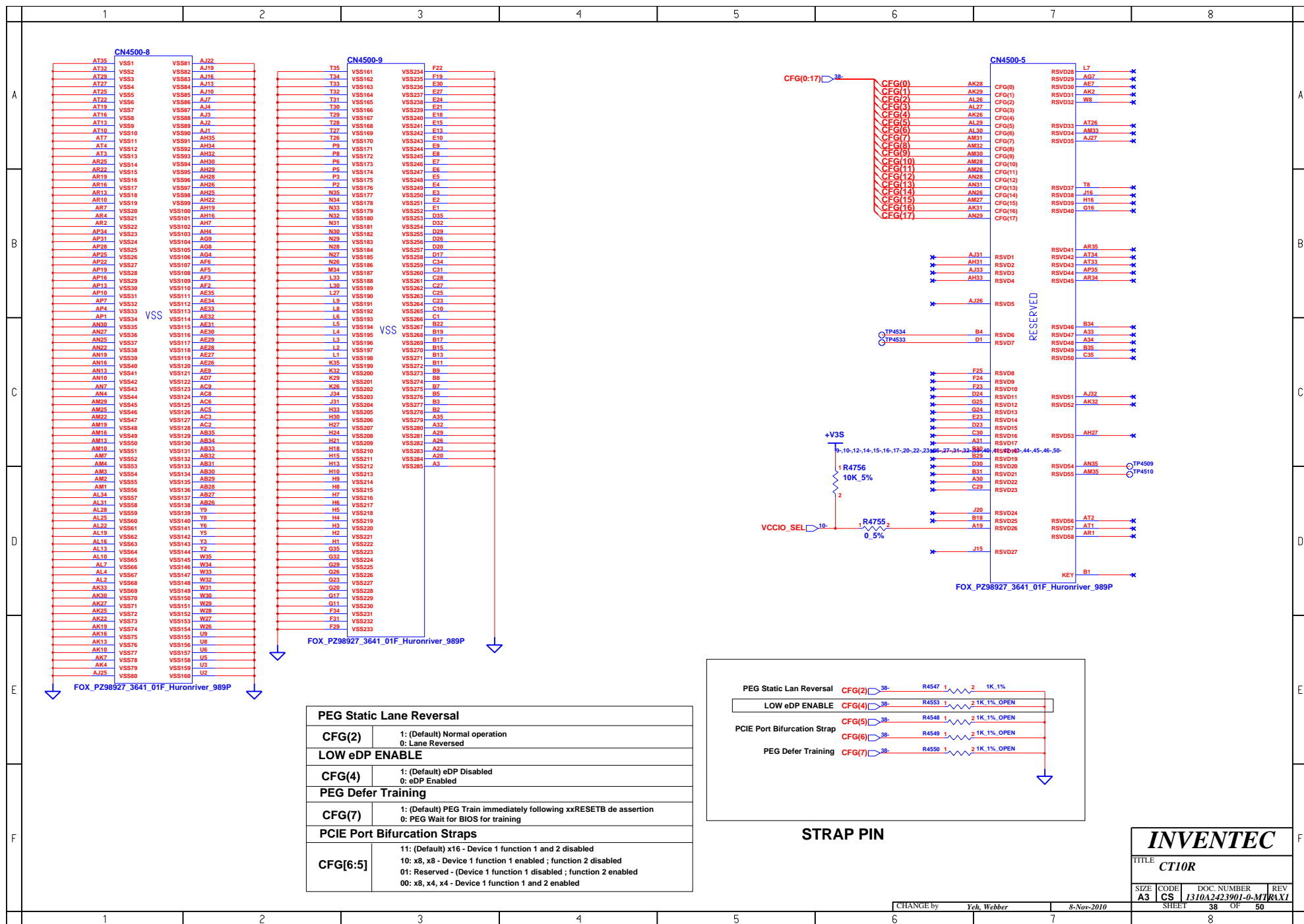


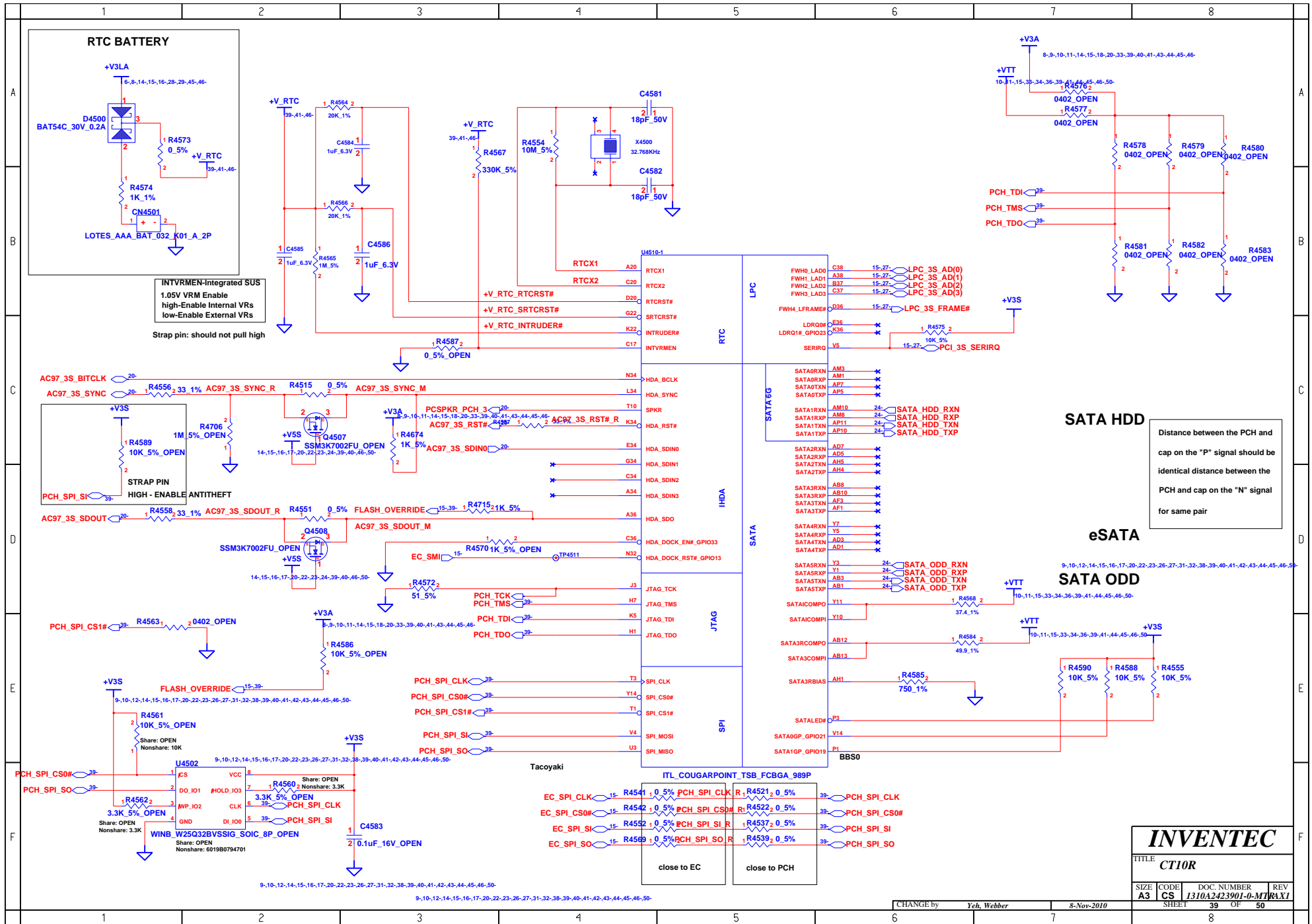


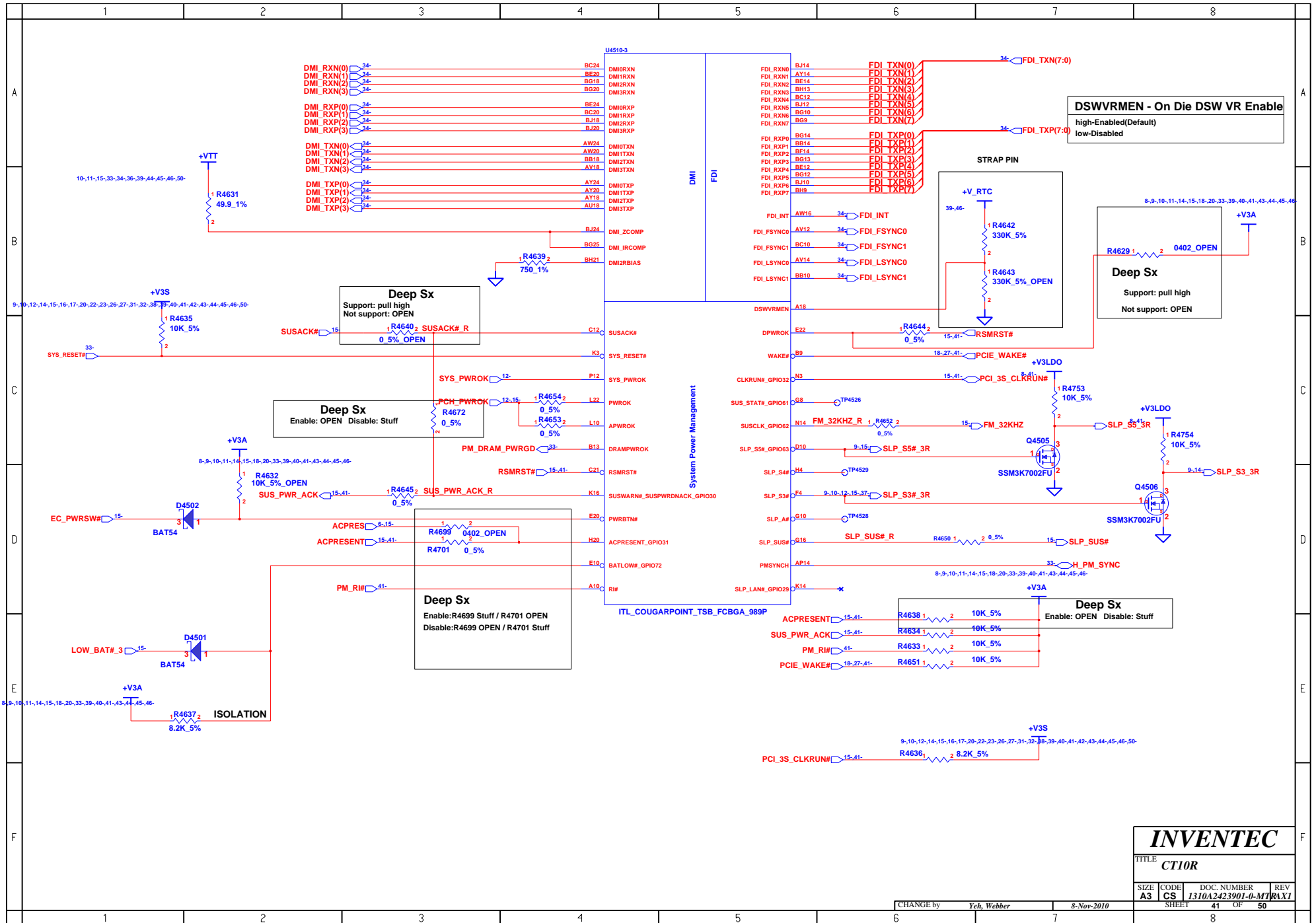


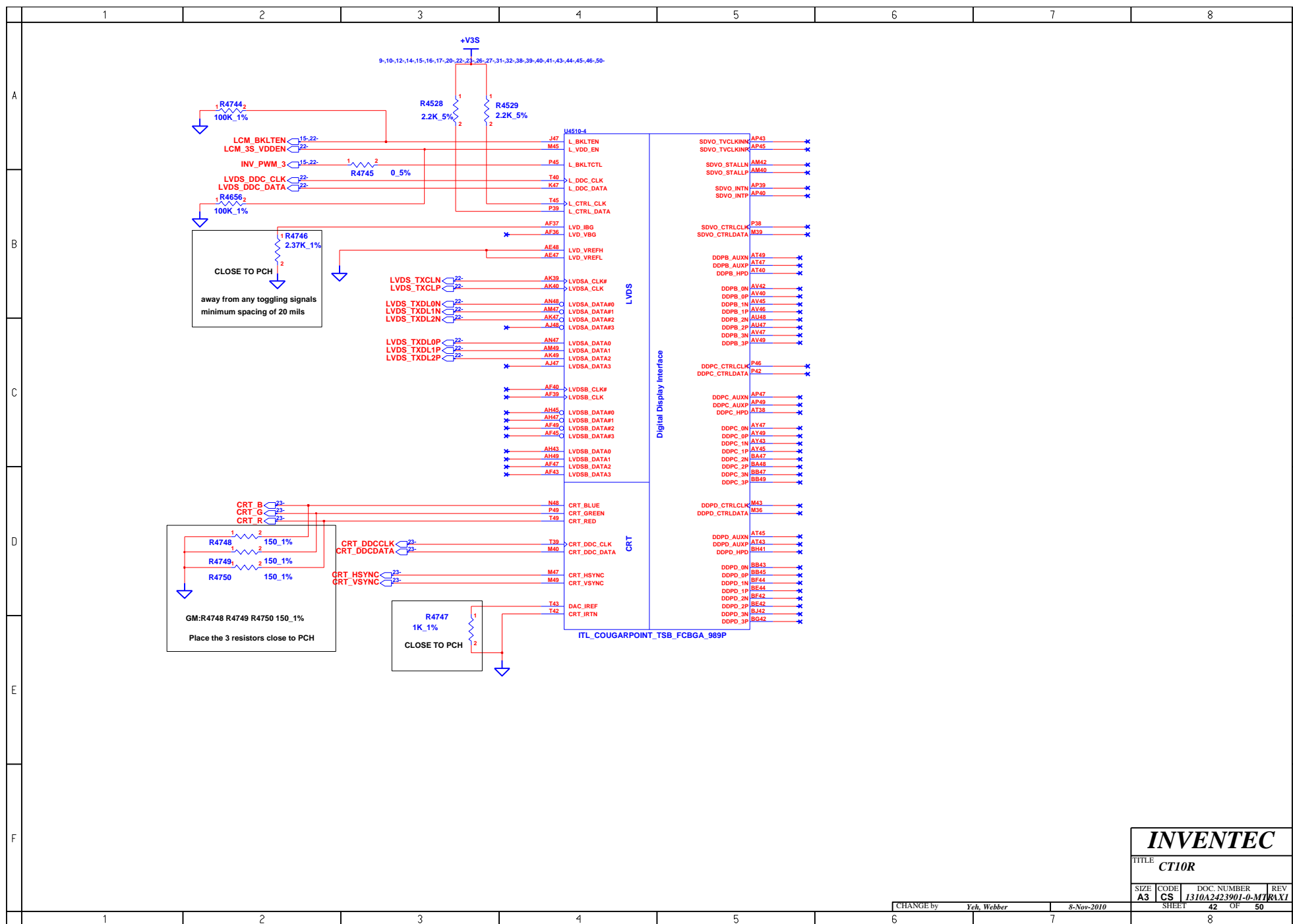


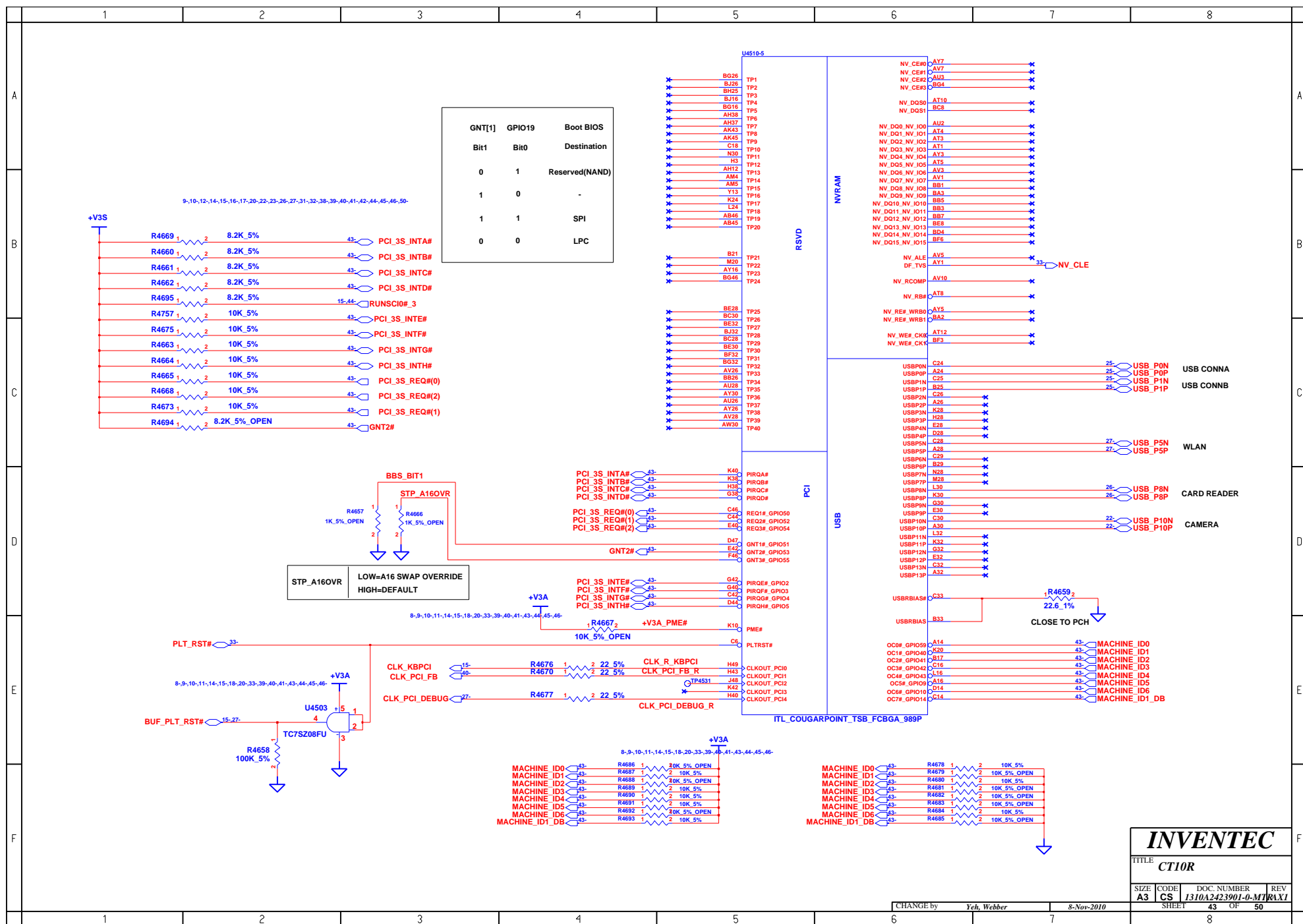


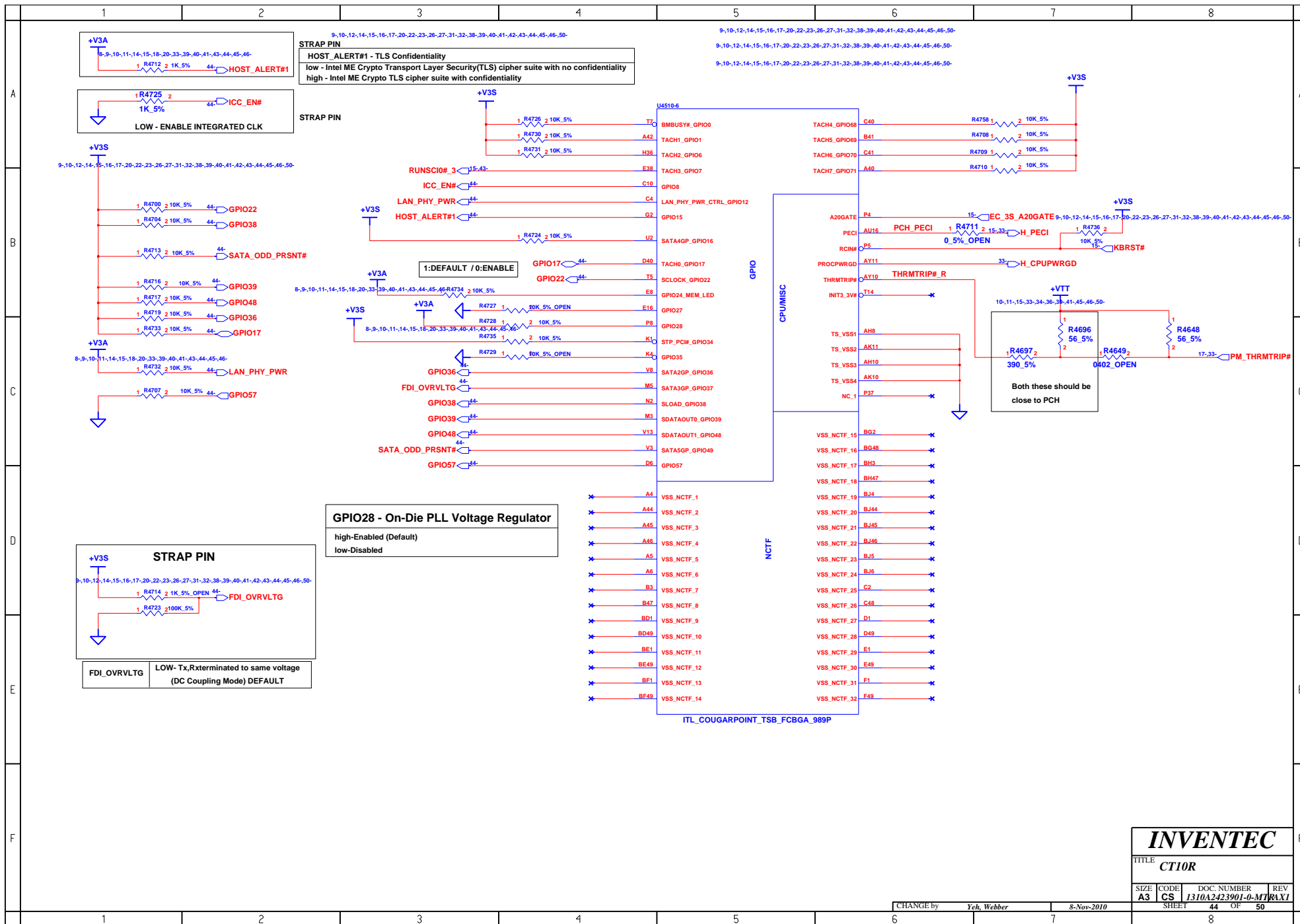












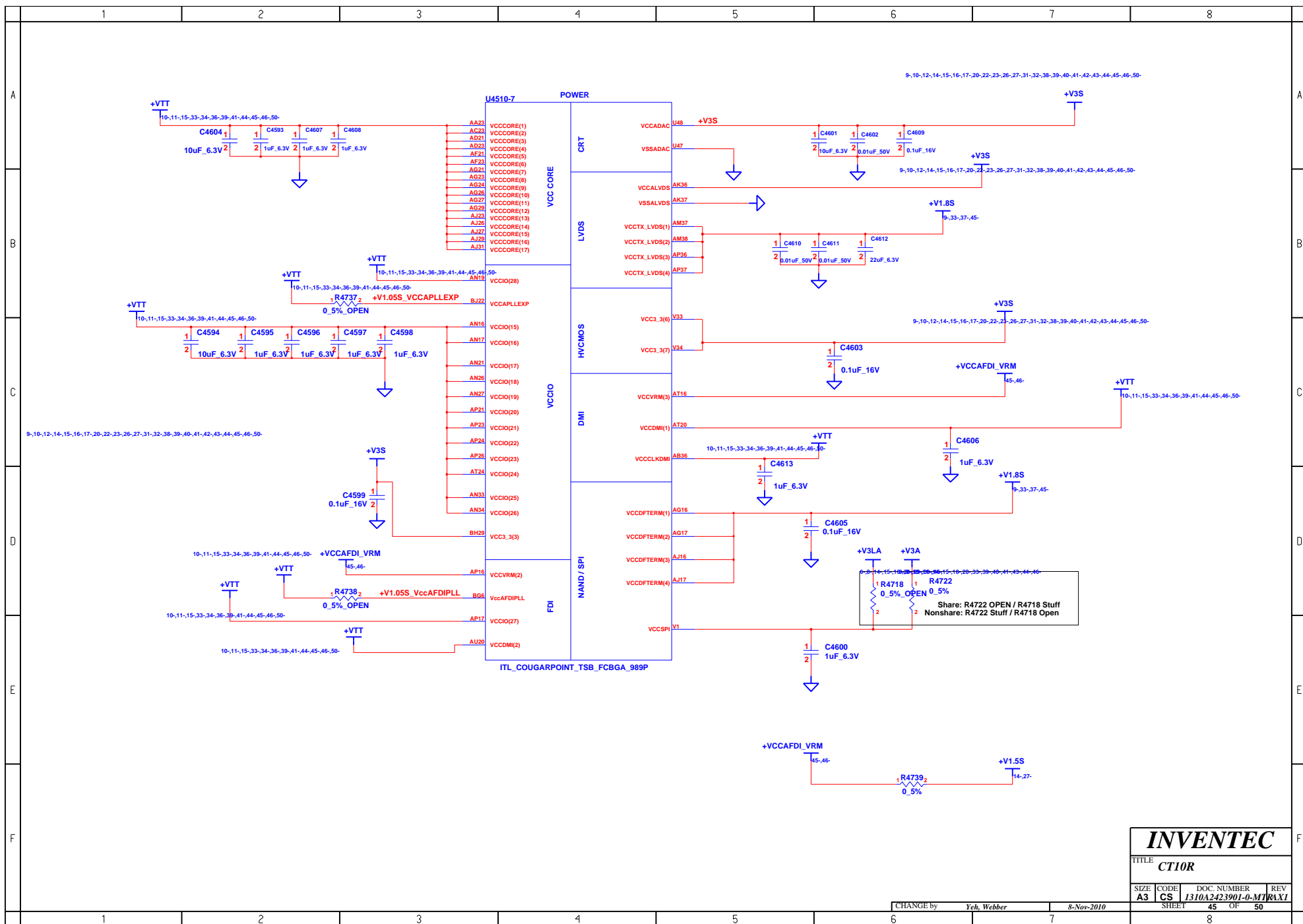
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TITLE
CT10R

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2423901-0-MT	RXXI

CHANGE by Yeh, Webber 8-Nov-2010

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U4510-8

HS VSS(9)

AA17 VSS(1)

AA2 VSS(2)

AA3 VSS(3)

AA33 VSS(4)

AA34 VSS(5)

AB11 VSS(6)

AB14 VSS(7)

AB39 VSS(8)

AB4 VSS(9)

AB43 VSS(10)

AB5 VSS(11)

AB7 VSS(12)

AC19 VSS(13)

AC2 VSS(14)

AC21 VSS(15)

AC24 VSS(16)

AC33 VSS(17)

AC34 VSS(18)

AC48 VSS(19)

AD10 VSS(20)

AD11 VSS(21)

AD12 VSS(22)

AD13 VSS(23)

AD19 VSS(24)

AD24 VSS(25)

AD26 VSS(26)

AD33 VSS(27)

AD34 VSS(28)

AD36 VSS(29)

AD37 VSS(30)

AD38 VSS(31)

AD39 VSS(32)

AD4 VSS(33)

AD40 VSS(34)

AD42 VSS(35)

AD43 VSS(36)

AD45 VSS(37)

AD46 VSS(38)

AD48 VSS(39)

AD5 VSS(40)

AE3 VSS(41)

AF10 VSS(42)

AF12 VSS(43)

AF16 VSS(44)

AF19 VSS(45)

AF24 VSS(46)

AF26 VSS(47)

AF27 VSS(48)

AF29 VSS(49)

AF31 VSS(50)

AF33 VSS(51)

AF4 VSS(52)

AF42 VSS(53)

AF46 VSS(54)

AF5 VSS(55)

AF7 VSS(56)

AF8 VSS(57)

AG2 VSS(58)

AG2 VSS(59)

AG3 VSS(60)

AG31 VSS(61)

AG48 VSS(62)

AH11 VSS(63)

AH12 VSS(64)

AH3 VSS(65)

AH36 VSS(66)

AH39 VSS(67)

AH48 VSS(68)

AH42 VSS(69)

AH46 VSS(70)

AH7 VSS(71)

AJ19 VSS(72)

AJ21 VSS(73)

AJ24 VSS(74)

AJ3 VSS(75)

AJ34 VSS(76)

AK12 VSS(77)

AK3 VSS(78)

AK3 VSS(79)

AK38 VSS(80)

AK4 VSS(81)

AK42 VSS(82)

AK46 VSS(83)

AK8 VSS(84)

AL16 VSS(85)

AL17 VSS(86)

AL19 VSS(87)

AL2 VSS(88)

AL21 VSS(89)

AL23 VSS(90)

AL26 VSS(91)

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AM11 VSS(97)

AM14 VSS(98)

AM36 VSS(99)

AM39 VSS(100)

AM43 VSS(101)

AM45 VSS(102)

AM46 VSS(103)

AM7 VSS(104)

AN2 VSS(105)

AN29 VSS(106)

AN3 VSS(107)

AN31 VSS(108)

AP12 VSS(109)

AP19 VSS(110)

AP26 VSS(111)

AP30 VSS(112)

AP32 VSS(113)

AP38 VSS(114)

AP4 VSS(115)

AP42 VSS(116)

AP46 VSS(117)

AP8 VSS(118)

AR2 VSS(119)

AR48 VSS(120)

AT11 VSS(121)

AT13 VSS(122)

AT18 VSS(123)

AT22 VSS(124)

AT26 VSS(125)

AT28 VSS(126)

AT30 VSS(127)

AT32 VSS(128)

AT34 VSS(129)

AT39 VSS(130)

AT42 VSS(131)

AT46 VSS(132)

AT7 VSS(133)

AU24 VSS(134)

AU30 VSS(135)

AU16 VSS(136)

AV20 VSS(137)

AV24 VSS(138)

AV30 VSS(139)

AV36 VSS(140)

AV4 VSS(141)

AV43 VSS(142)

AV8 VSS(143)

AW14 VSS(144)

AW18 VSS(145)

AW2 VSS(146)

AW22 VSS(147)

AW26 VSS(148)

AW32 VSS(149)

AW34 VSS(150)

AW36 VSS(151)

AW40 VSS(152)

AW48 VSS(153)

AX11 VSS(154)

AY12 VSS(155)

AY22 VSS(156)

AY28 VSS(157)

AY4 VSS(158)

AY42 VSS(159)

AY46 VSS(160)

AY8 VSS(161)

AY8 VSS(162)

B11 VSS(163)

B19 VSS(164)

B23 VSS(165)

B27 VSS(166)

B35 VSS(167)

B39 VSS(168)

B7 VSS(169)

B7 VSS(170)

B7 VSS(171)

B44 VSS(172)

BB12 VSS(173)

BB16 VSS(174)

BB20 VSS(175)

BB22 VSS(176)

BB24 VSS(177)

BB28 VSS(178)

BB30 VSS(179)

BB4 VSS(180)

BB4 VSS(181)

BB46 VSS(182)

BC14 VSS(183)

BC16 VSS(184)

BC2 VSS(185)

BC22 VSS(186)

BC46 VSS(187)

BC12 VSS(188)

BC34 VSS(189)

BC36 VSS(190)

BC46 VSS(191)

BC46 VSS(192)

BC48 VSS(193)

BD4 VSS(194)

BE2 VSS(195)

BE22 VSS(196)

BE26 VSS(197)

BE40 VSS(198)

BF10 VSS(199)

BF12 VSS(200)

BF16 VSS(201)

BF20 VSS(202)

BF22 VSS(203)

BF24 VSS(204)

BF26 VSS(205)

BF28 VSS(206)

BF2 VSS(207)

BF30 VSS(208)

BF38 VSS(209)

BF46 VSS(210)

BF8 VSS(211)

BG17 VSS(212)

BG21 VSS(213)

BG23 VSS(214)

BG44 VSS(215)

BG8 VSS(216)

BH11 VSS(217)

BH14 VSS(218)

BH17 VSS(219)

BH19 VSS(220)

H10 VSS(221)

BH27 VSS(222)

BH31 VSS(223)

BH33 VSS(224)

BH35 VSS(225)

BH39 VSS(226)

BH43 VSS(227)

BH7 VSS(228)

B3 VSS(229)

D12 VSS(230)

D16 VSS(231)

D18 VSS(232)

D22 VSS(233)

D26 VSS(234)

D30 VSS(235)

D32 VSS(236)

D34 VSS(237)

D36 VSS(238)

D38 VSS(239)

D42 VSS(240)

D8 VSS(241)

E18 VSS(242)

E26 VSS(243)

G18 VSS(244)

G20 VSS(245)

G26 VSS(246)

G28 VSS(247)

G34 VSS(248)

G48 VSS(249)

H12 VSS(250)

H18 VSS(251)

H22 VSS(252)

H24 VSS(253)

H26 VSS(254)

H30 VSS(255)

H32 VSS(256)

H34 VSS(257)

F3 VSS(258)

U4510-9

VSS(159)

VSS(160)

VSS(161)

VSS(162)

VSS(163)

VSS(164)

VSS(165)

VSS(166)

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VSS(170)

VSS(171)

VSS(172)

VSS(173)

VSS(174)

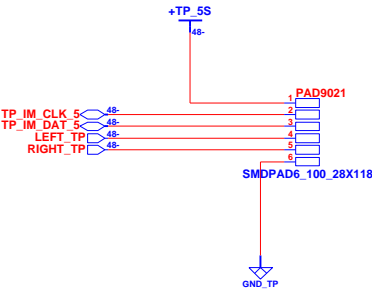
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VSS(176)

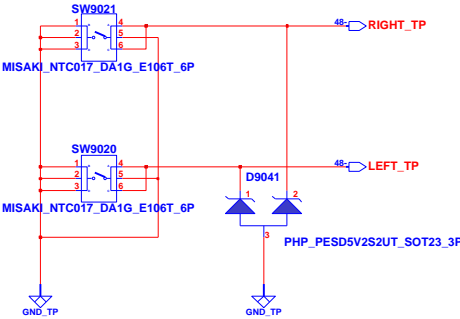
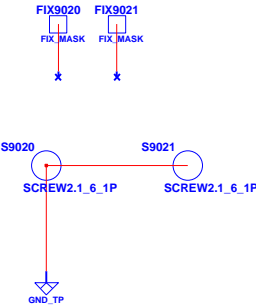
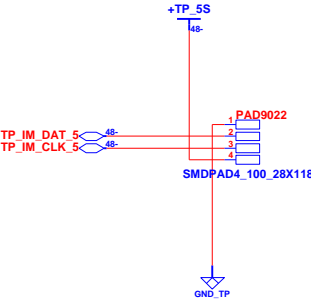
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TOUCH PAD SWITCH BOARD

Connect to Touchpad Module



Connect to Mainboard's TP connector



INVENTEC

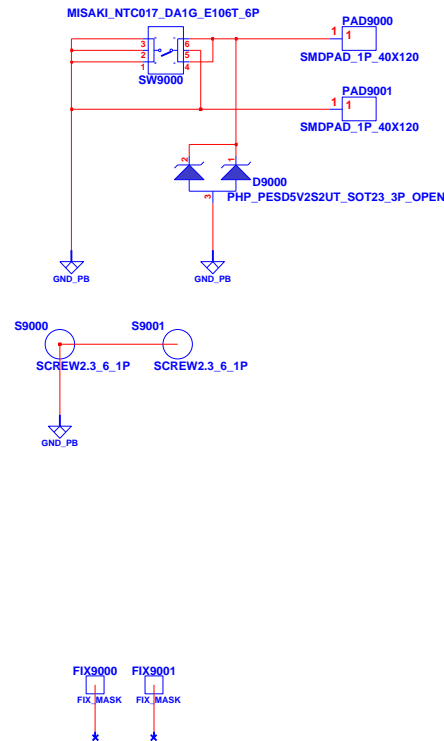
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CHANGE by Yeh, Webber 8-Nov-2010

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POWER BOARD



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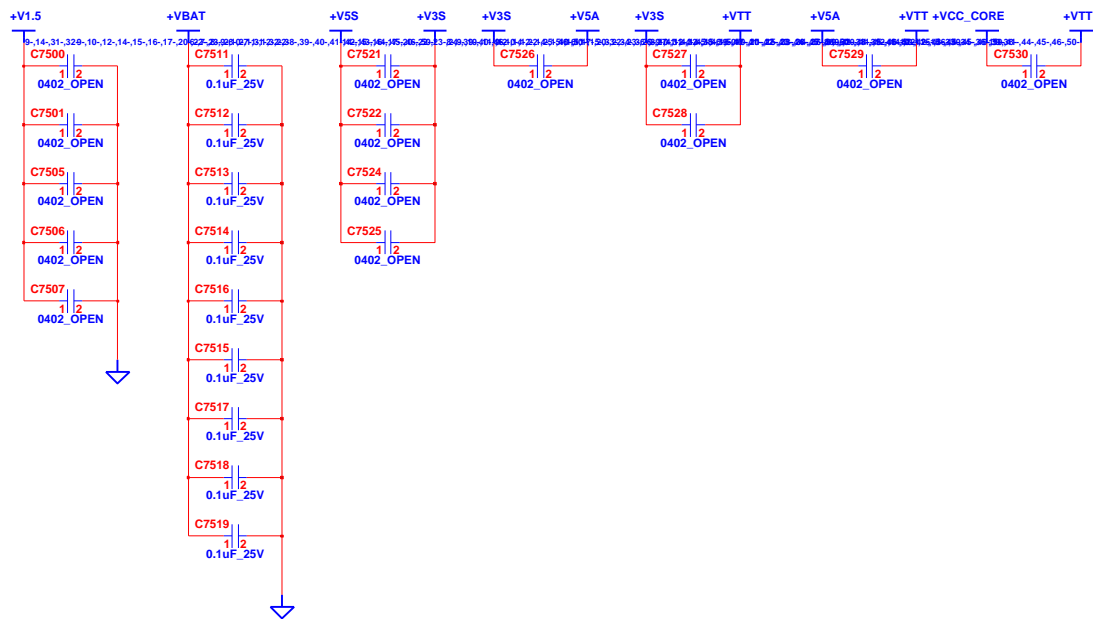
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SIZE	CODE	DOC. NUMBER	REV
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EMI



INVENTEC

TITLE
CT10R

SIZE	CODE	DOC. NUMBER	REV
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