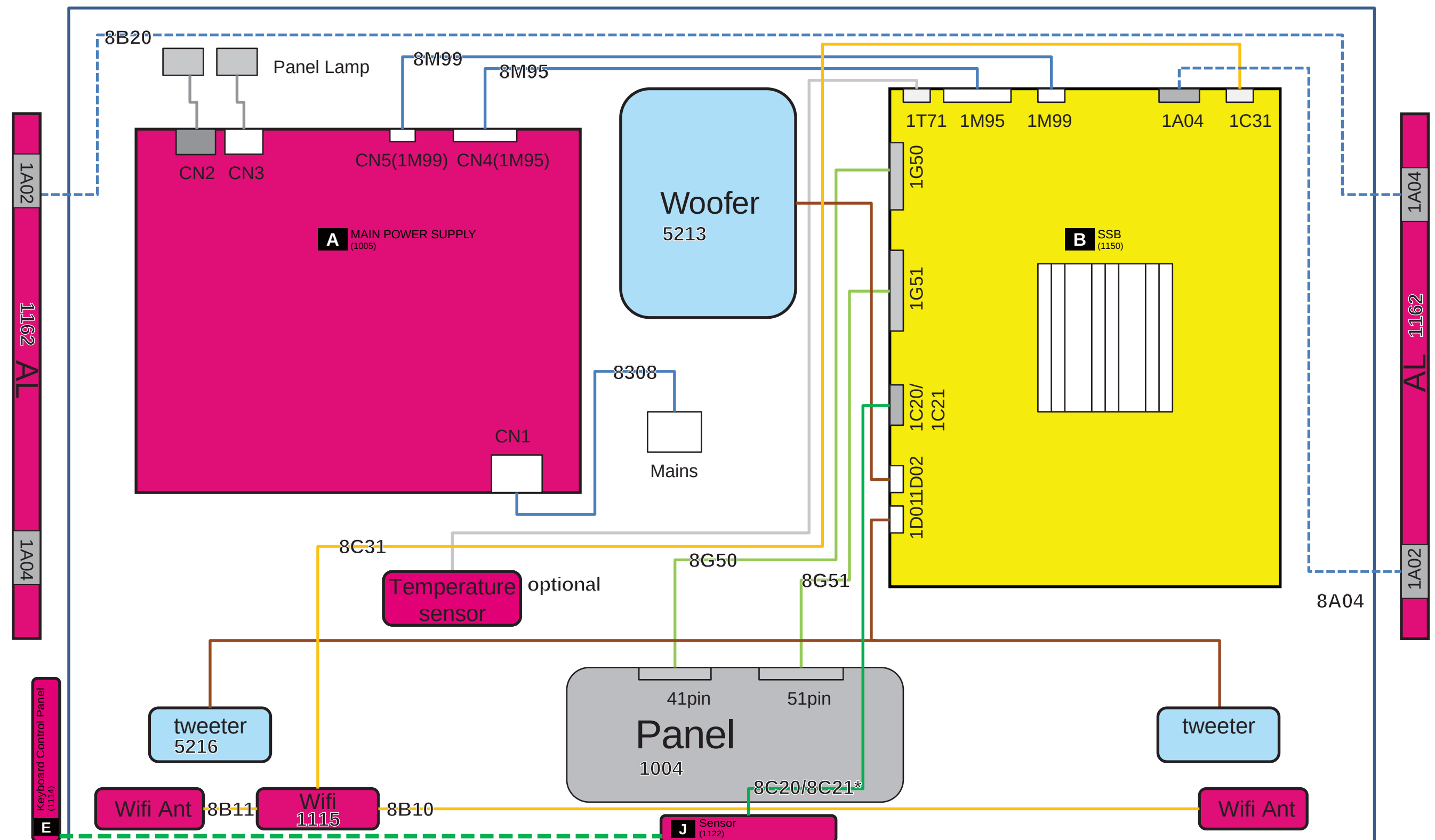


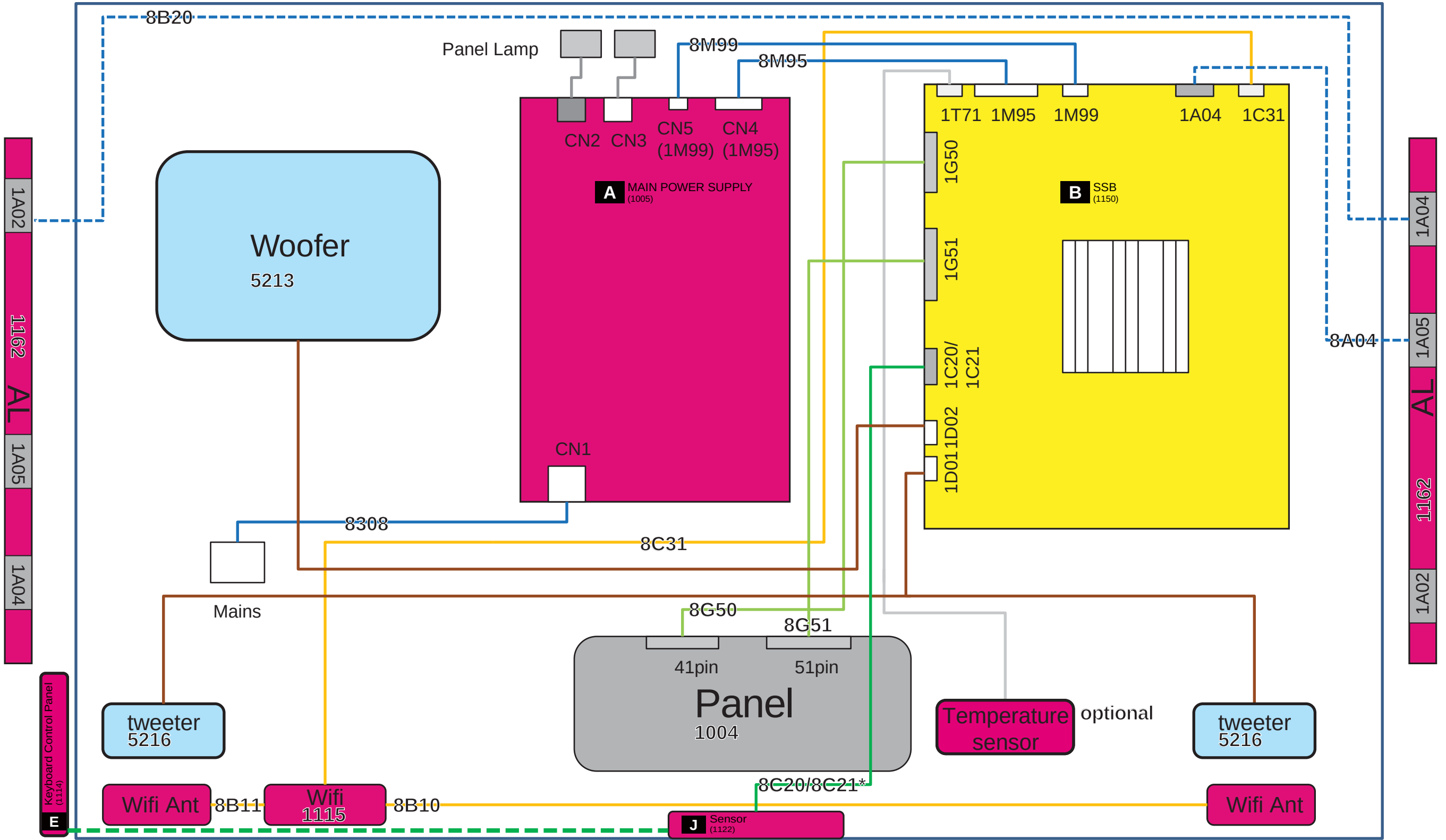
6000 series, 2 sided AmbiLight 37"



* For non RF4CE cable 8C20 is used
For RF4CE cable 8C21 is used

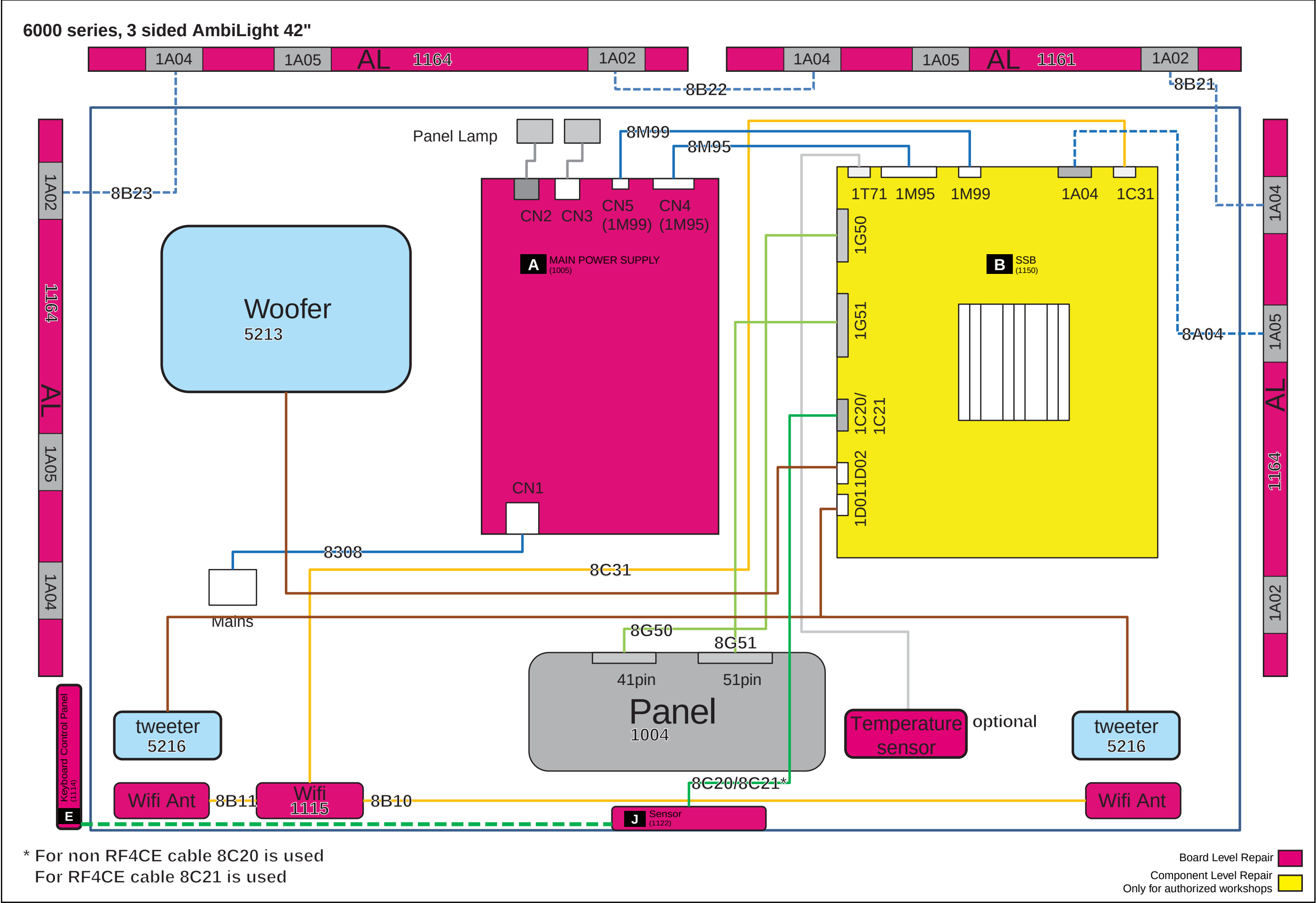
Board Level Repair [Pink Box]
Component Level Repair [Yellow Box]
Only for authorized workshops

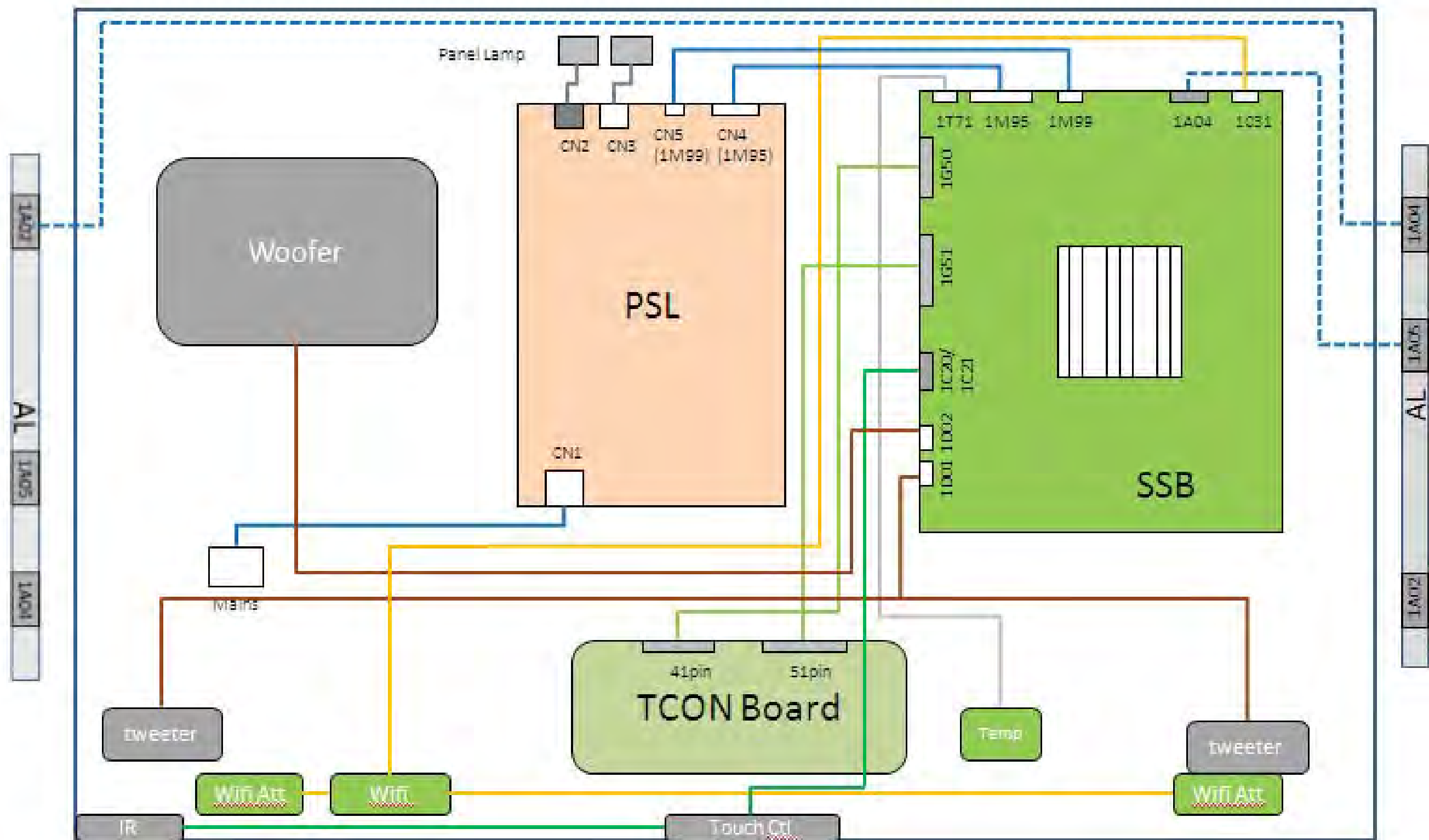
6000 series, 2 sided AmbiLight 42"



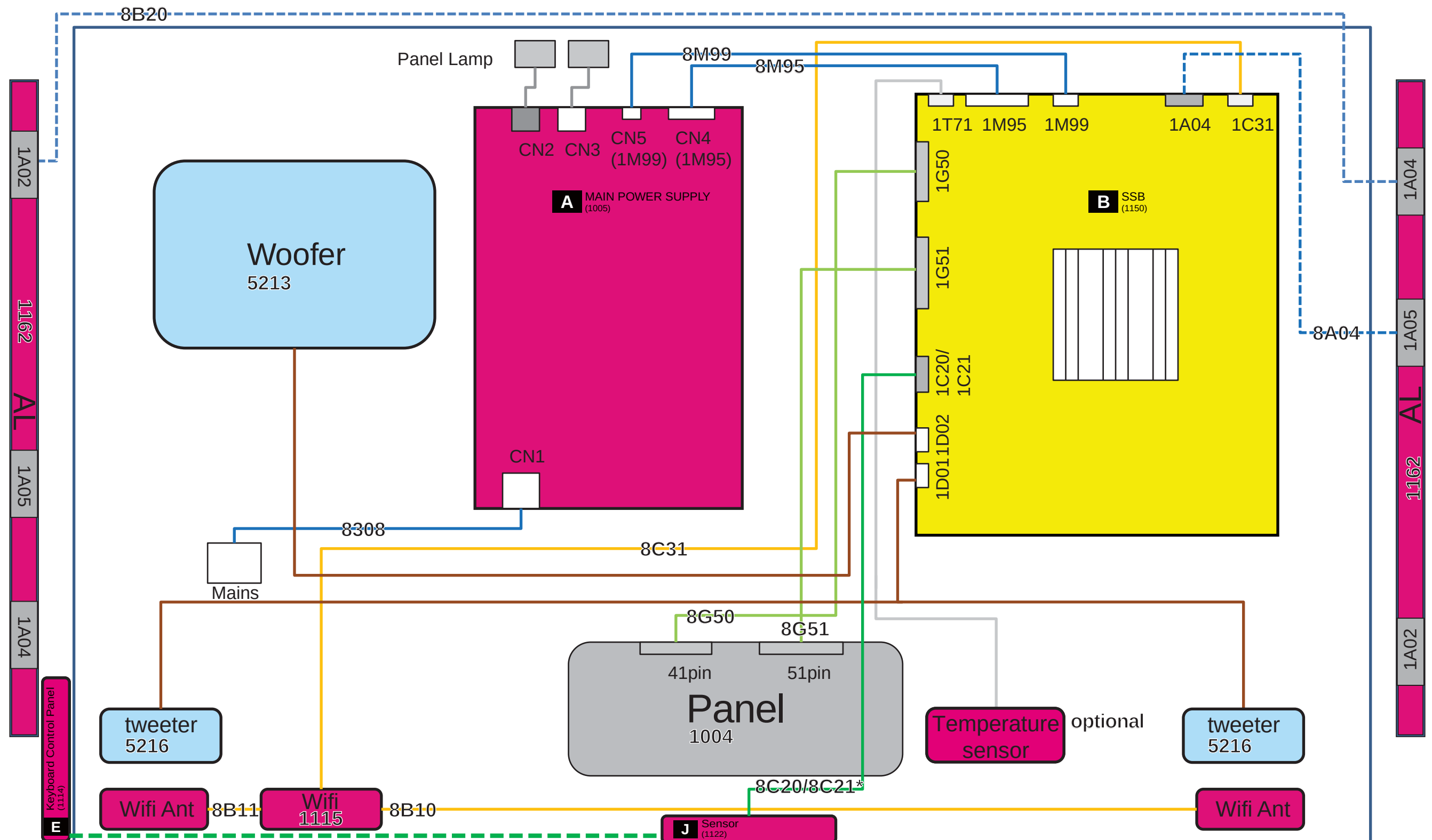
* For non RF4CE cable 8C20 is used
For RF4CE cable 8C21 is used

Board Level Repair
Component Level Repair
Only for authorized workshops





6000 series, 2 sided AmbiLight 47"



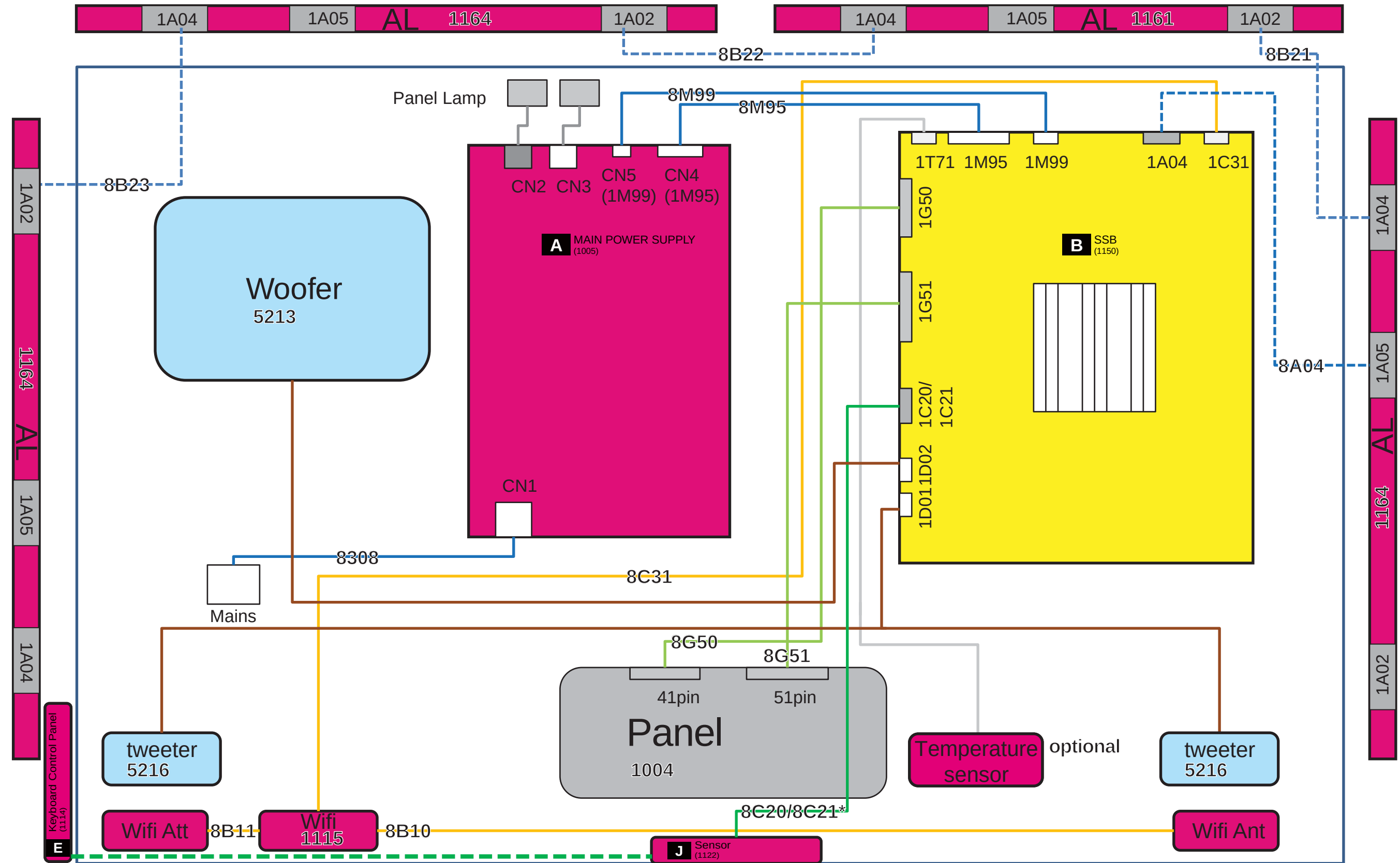
* For non RF4CE cable 8C20 is used
For RF4CE cable 8C21 is used

Board Level Repair 

Component Level Repair 

Only for authorized workshops

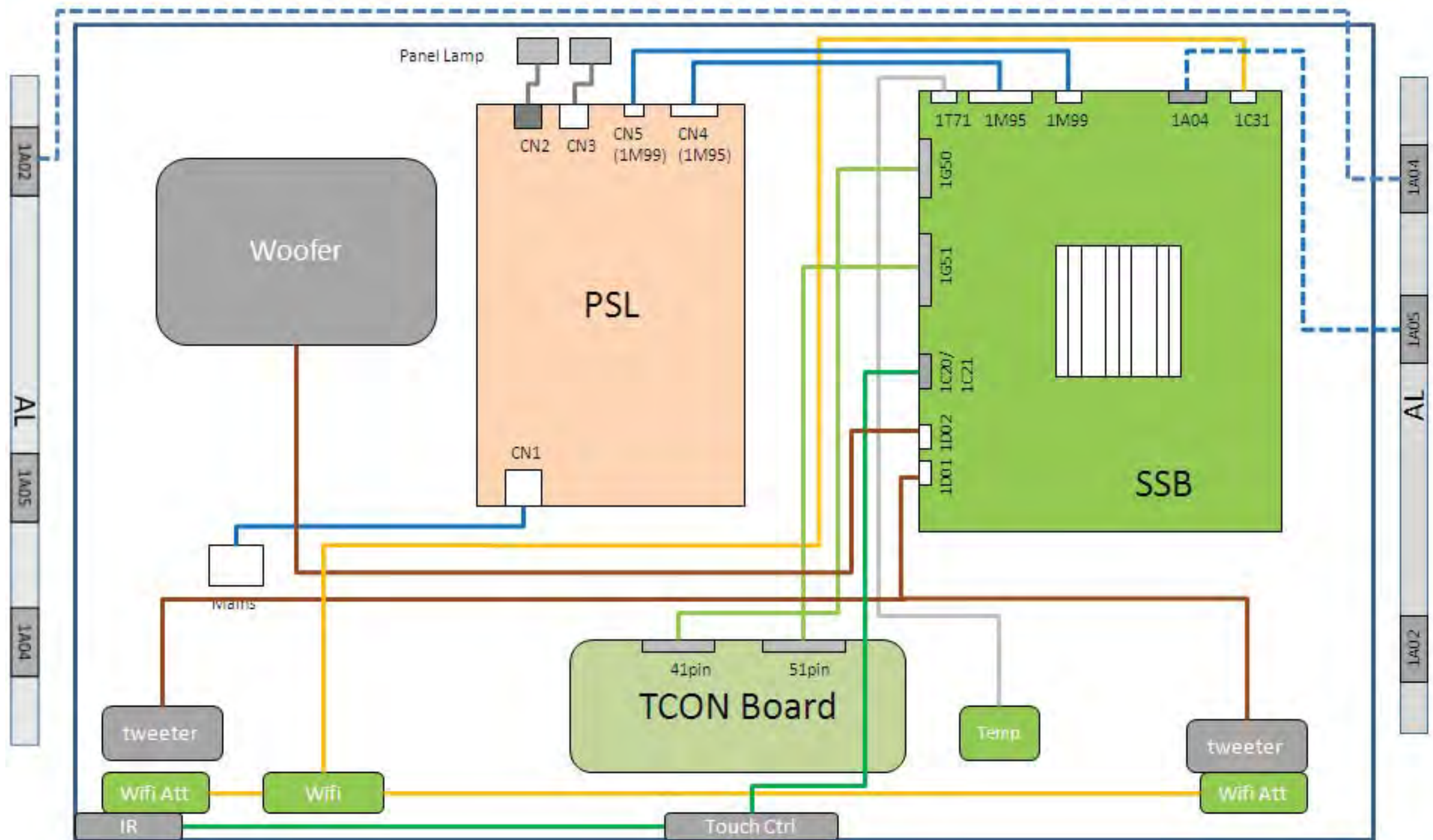
6000 series, 3 sided AmbiLight 47"



* For non RF4CE cable 8C20 is used
For RF4CE cable 8C21 is used

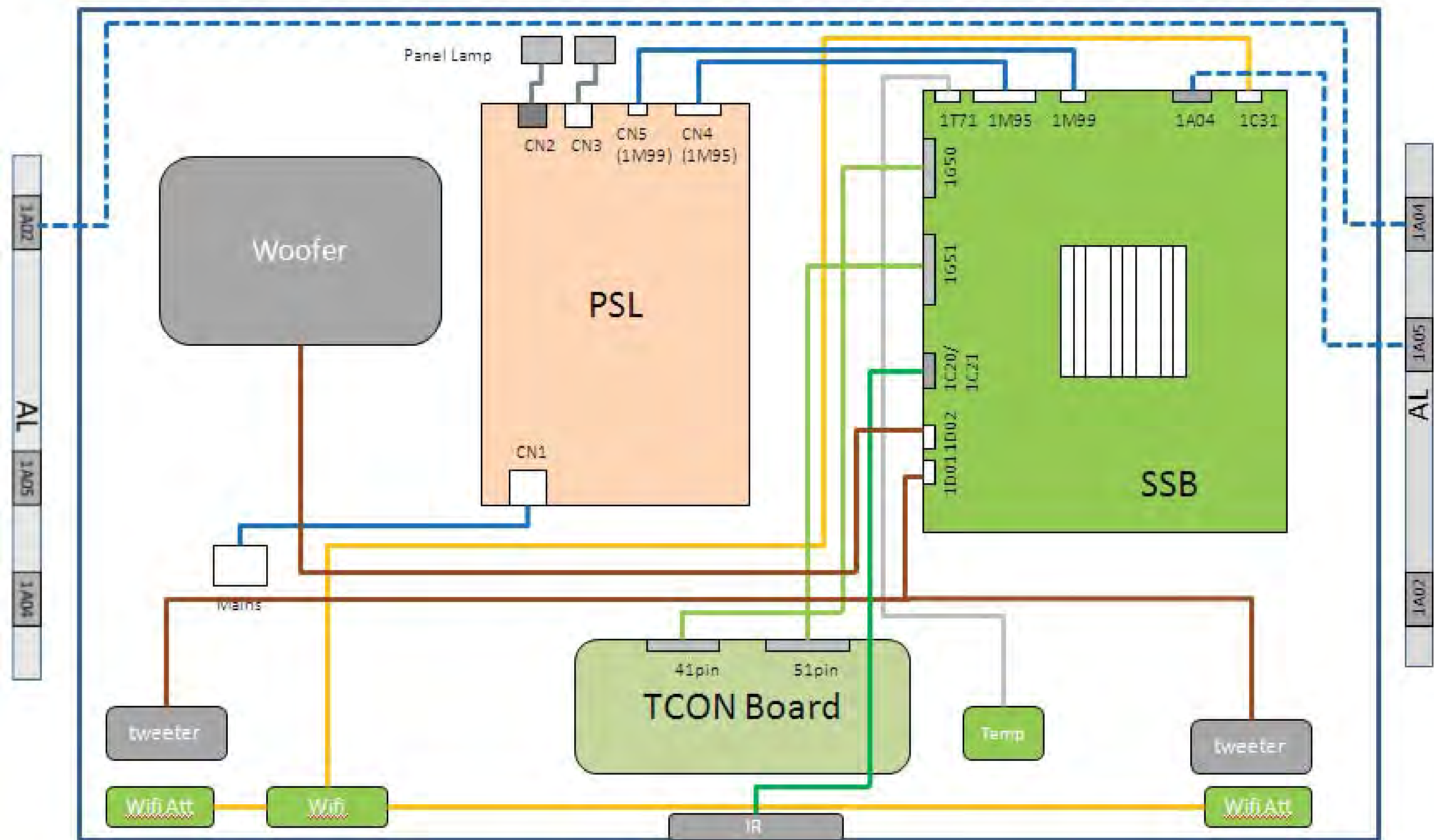
9.8 Infinity series, 2 sided AmbiLight 47"

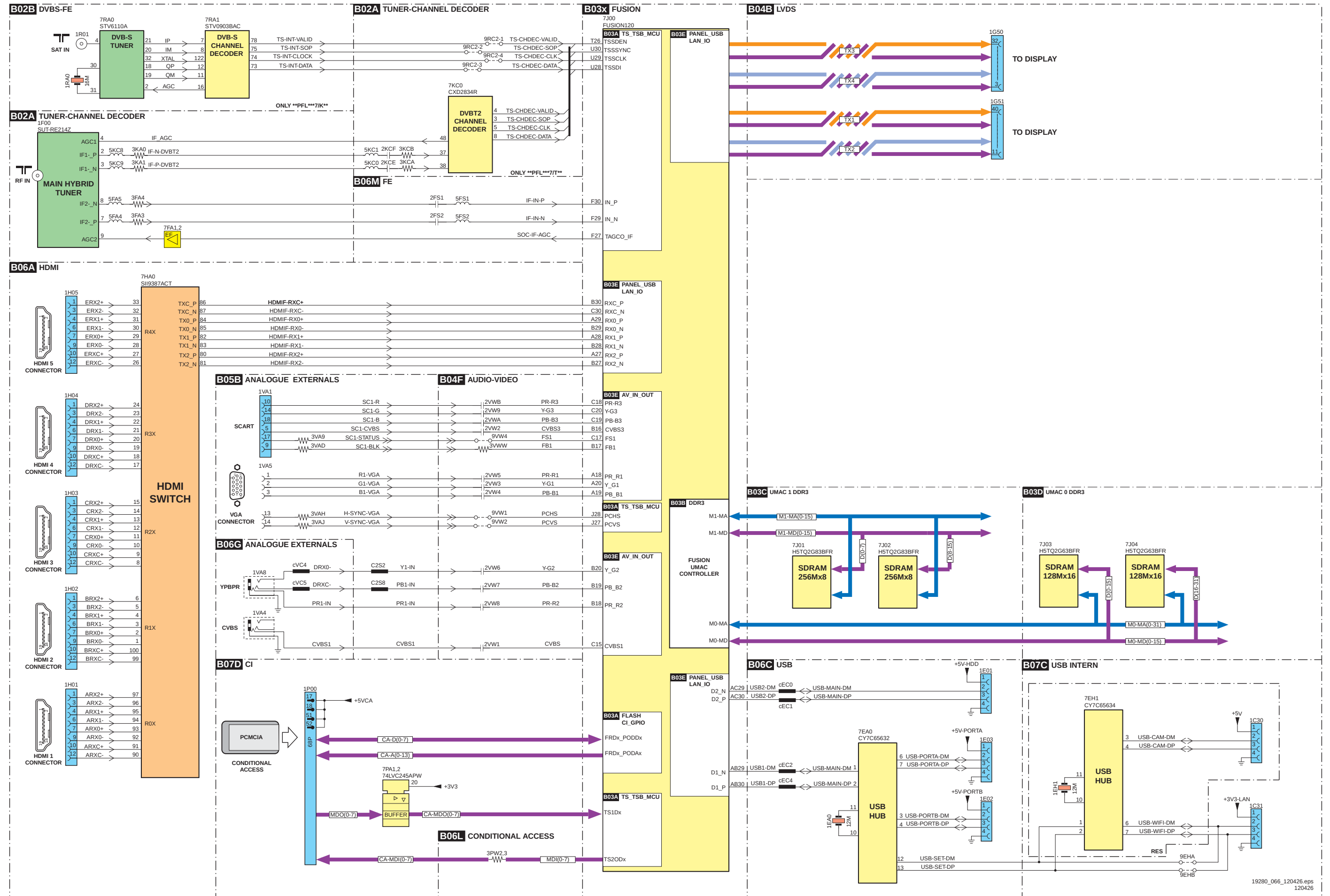
Infinity series, 2 sided AmbiLight 47"

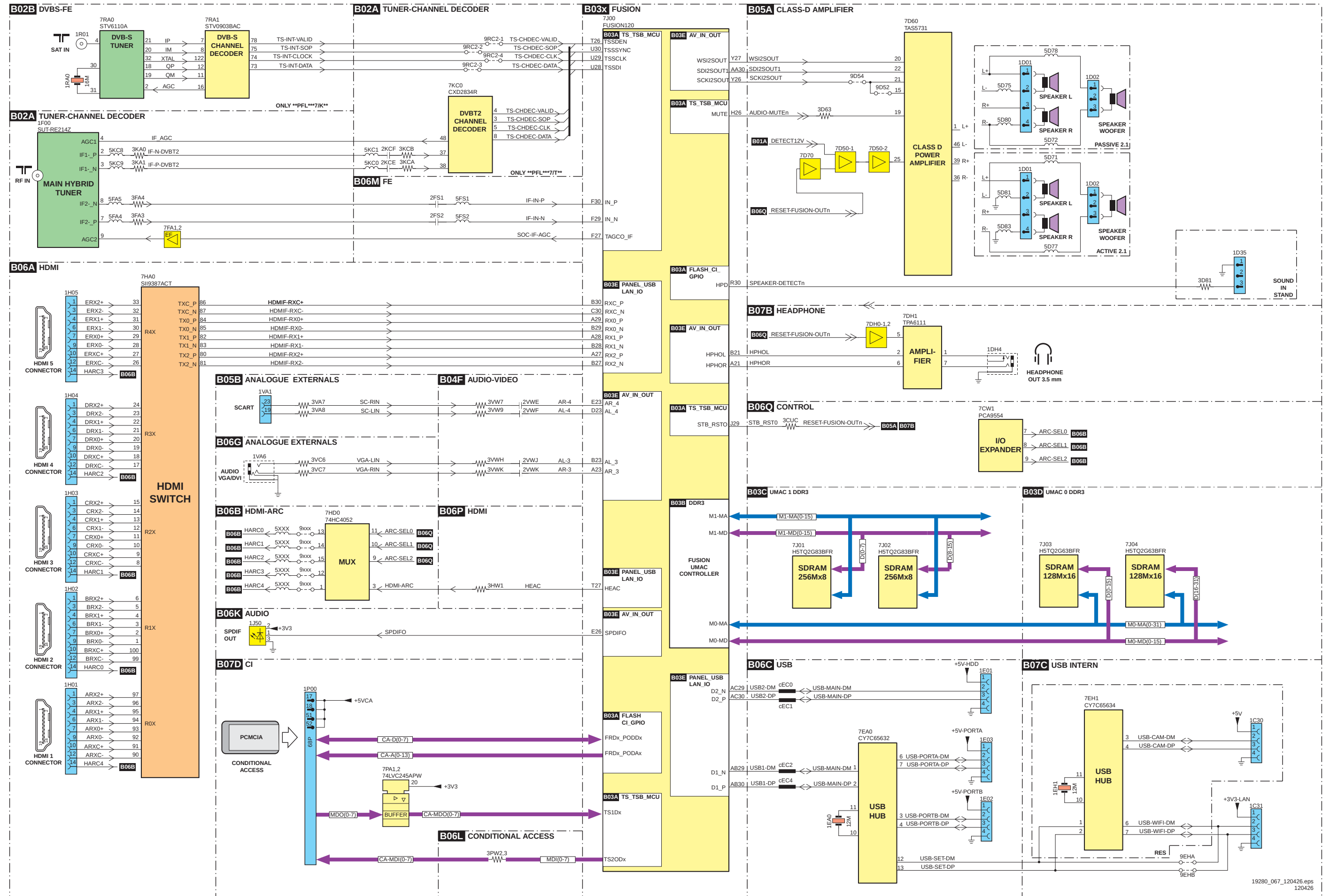


9.9 6000 series, 2 sided AmbiLight 55"

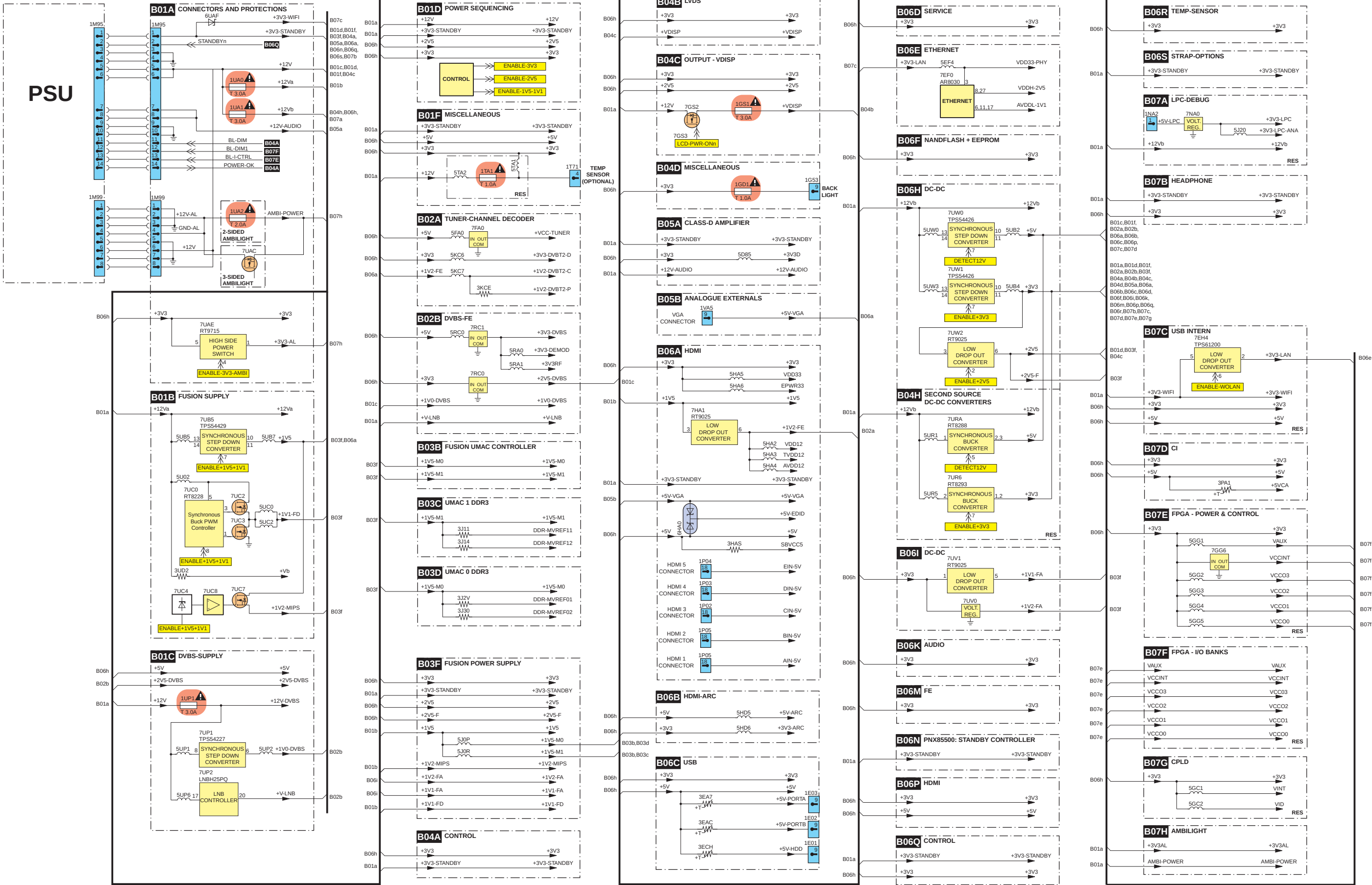
6000 series, 2 sided AmbiLight 55"



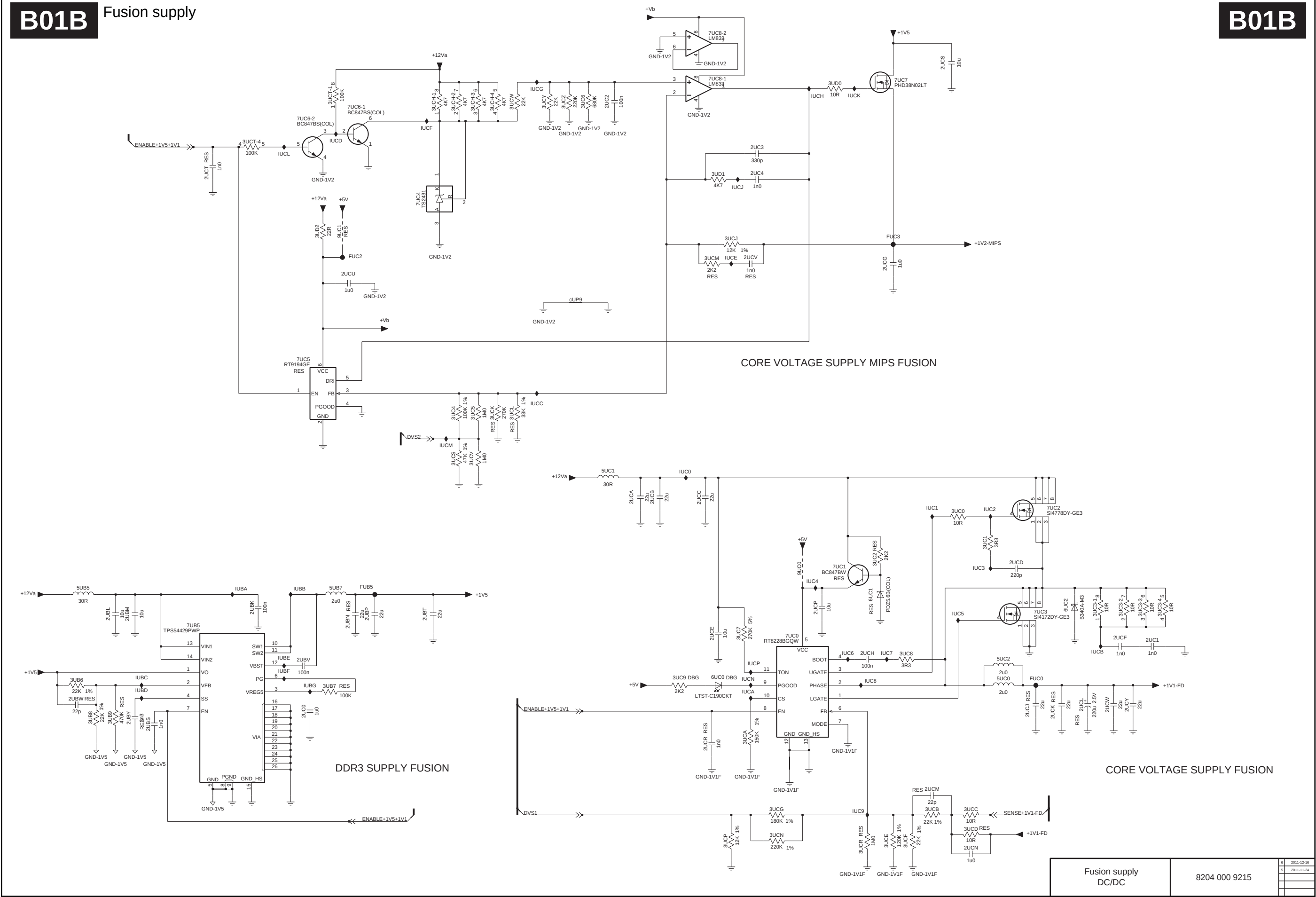
9.10 Block Diagram Video
VIDEO

9.11 Block Diagram Audio
AUDIO

9.14 Supply Lines Overview
SUPPLY LINES OVERVIEW

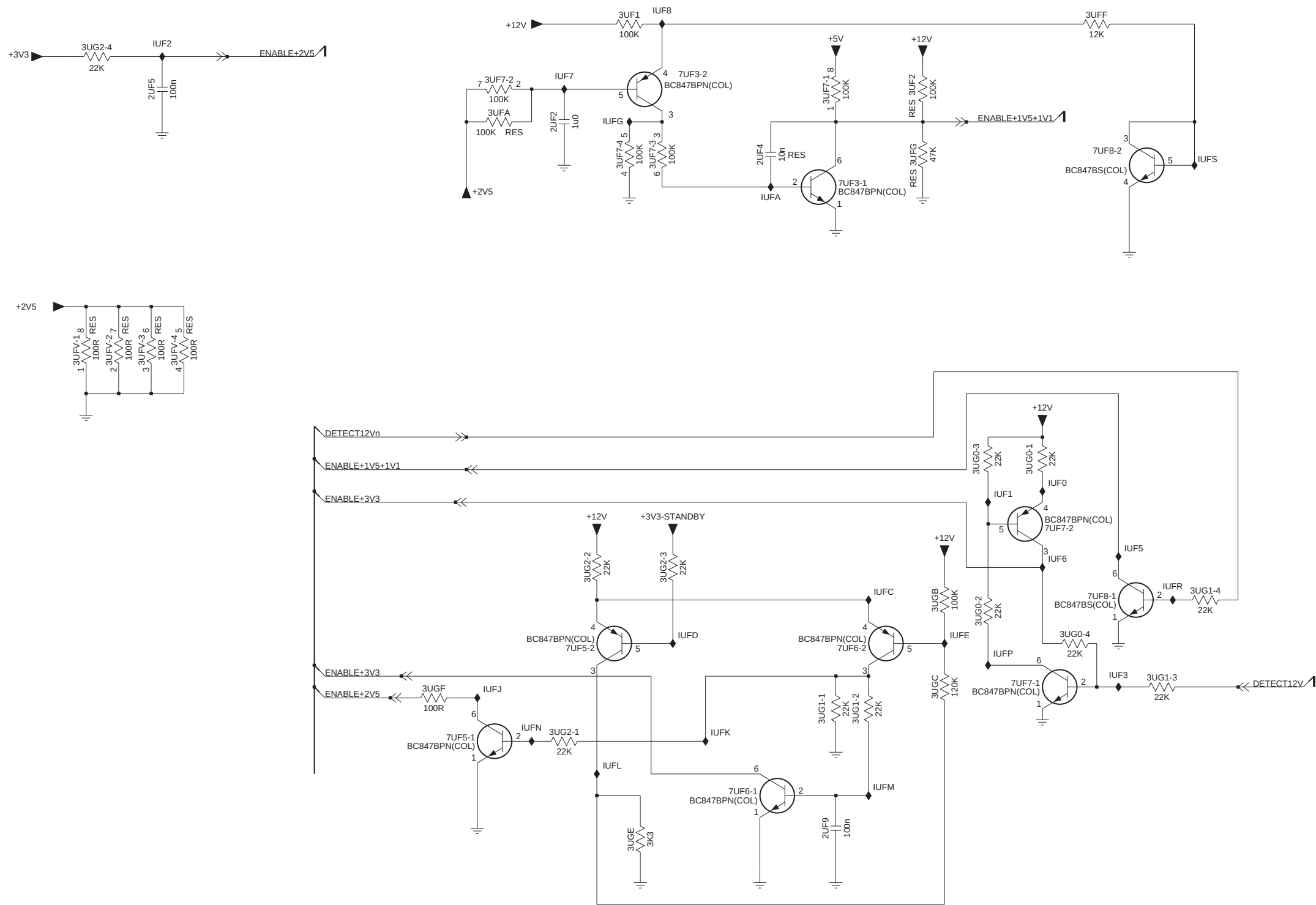


10-4-2 B01B, Fusion supply DC/DC



B01D Power sequencing

B01D



10-4-5 B01E, -

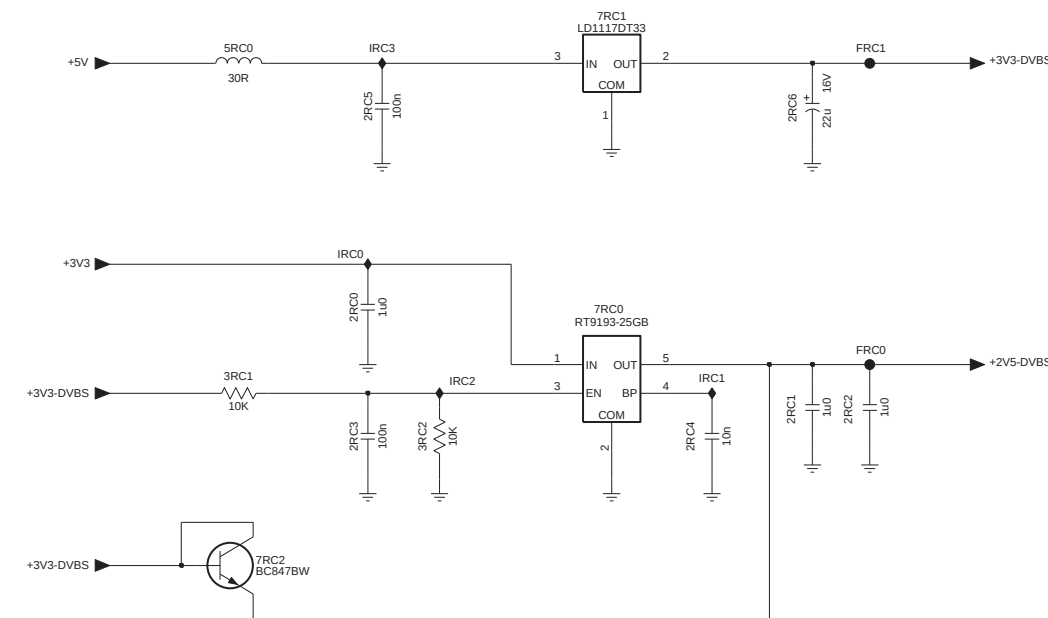
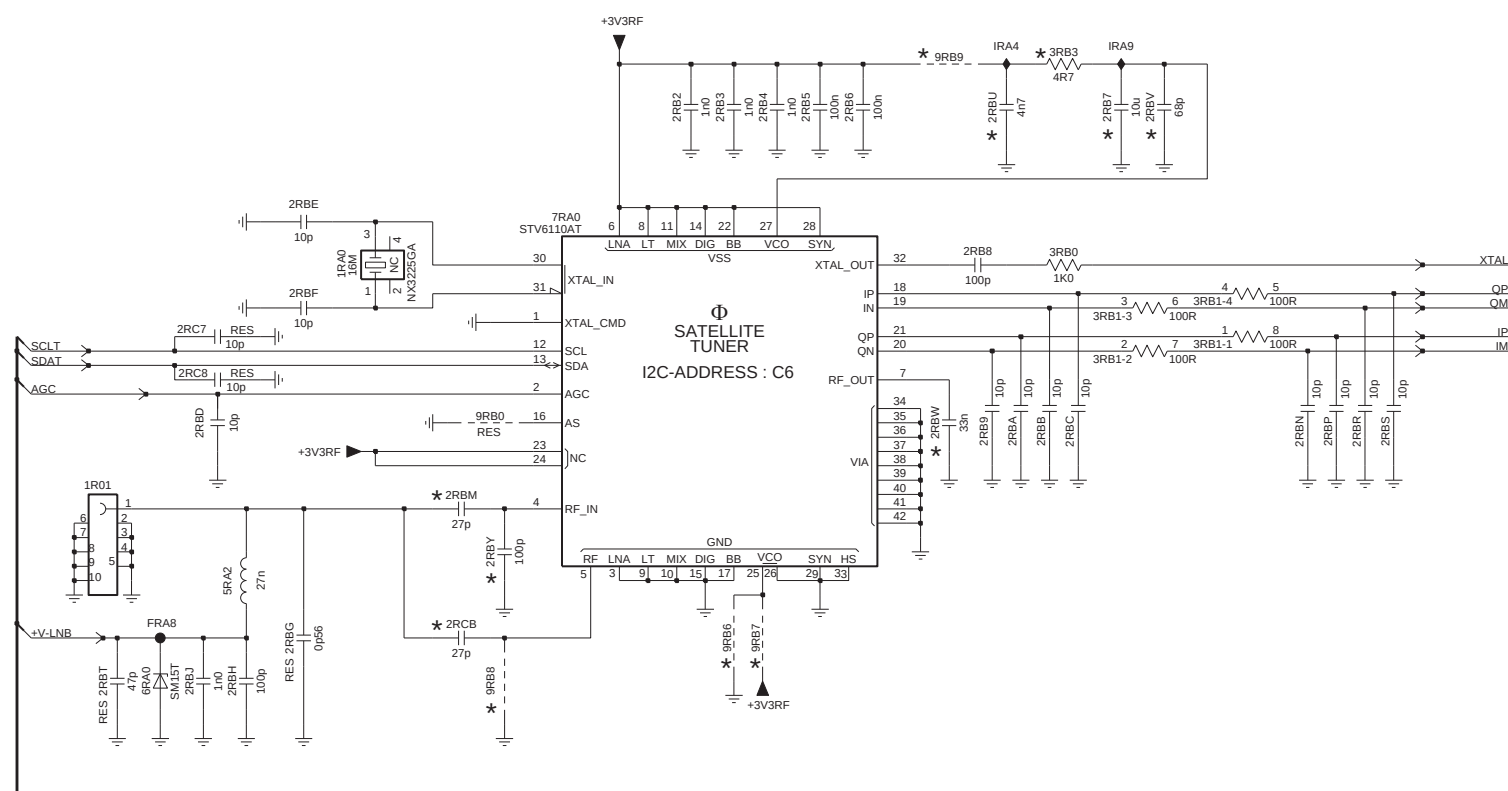
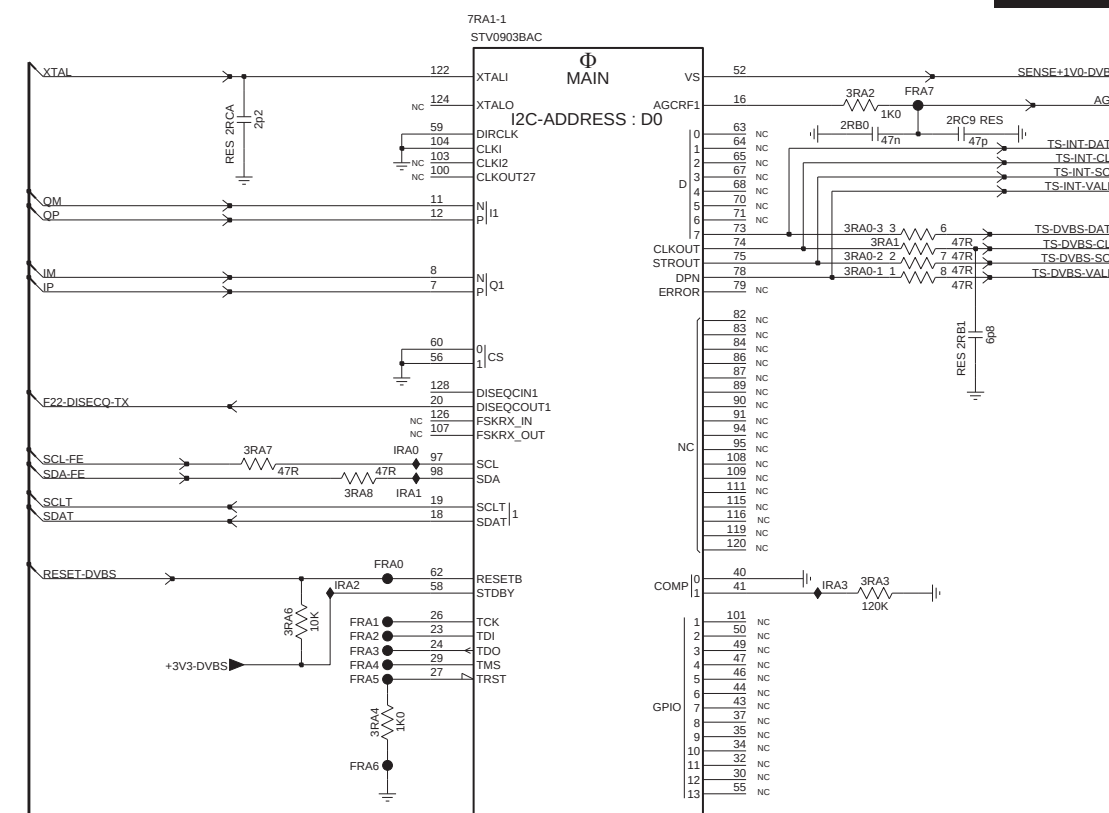
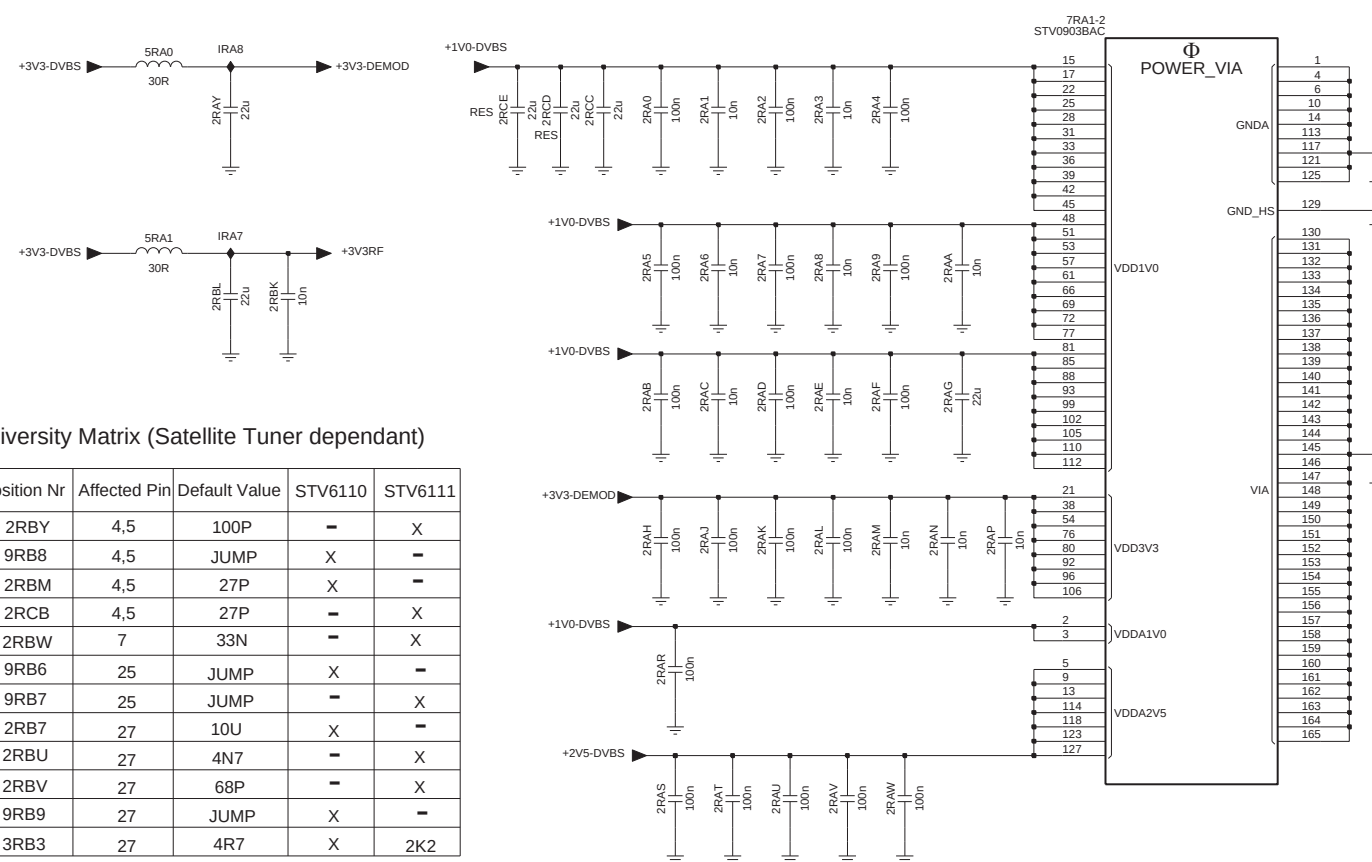
B01E

B01E

Intentionally blank

DC/DC	8204 000 9215	4	2011-12-18
		5	2011-11-24

Position Nr	Affected Pin	Default Value	STV6110	STV6111
2RB5	4,5	100P	—	X
9RB8	4,5	JUMP	X	—
2RBM	4,5	27P	X	—
2RCB	4,5	27P	—	X
2RBW	7	33N	—	X
9RB6	25	JUMP	X	—
9RB7	25	JUMP	—	X
2RB7	27	10U	X	—
2RBU	27	4N7	—	X
2RBV	27	68P	—	X
9RB9	27	JUMP	X	—
3RB3	27	4R7	X	2K2

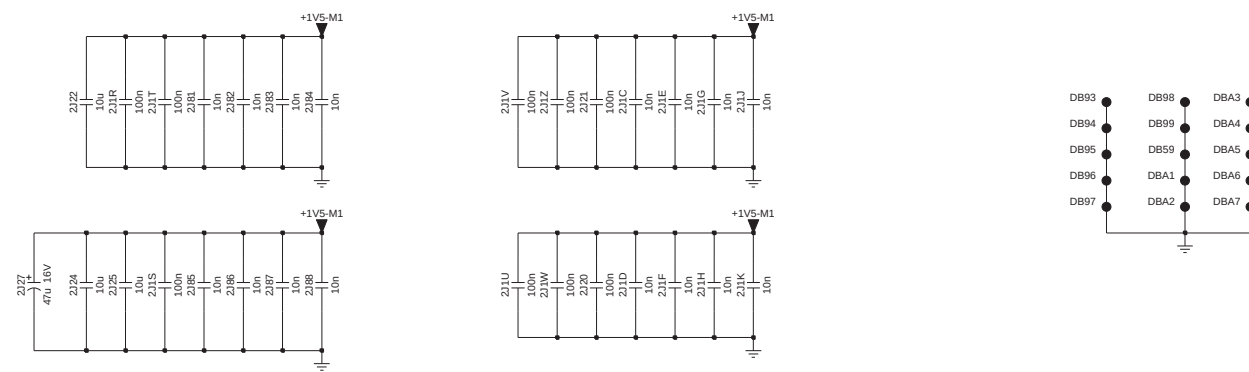
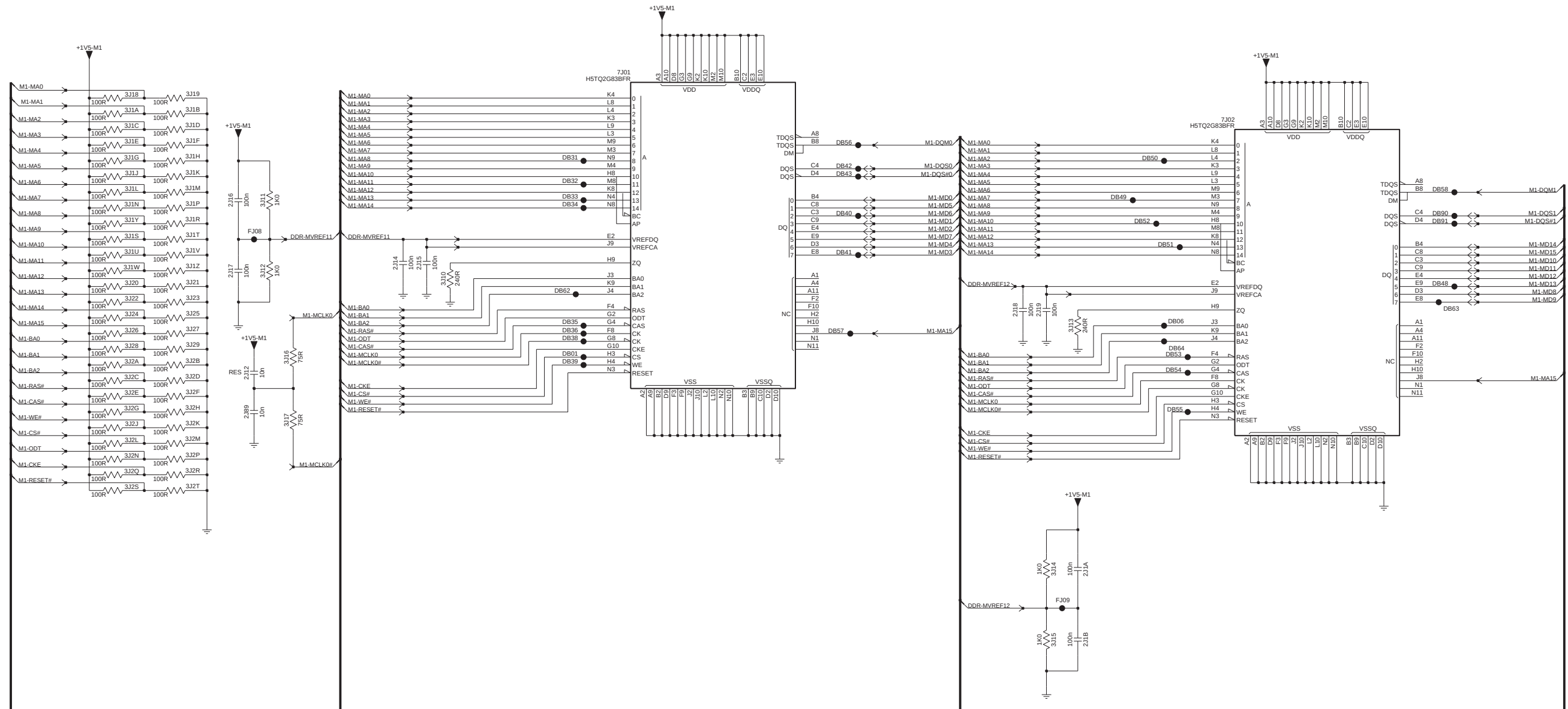


10-4-11 B03C, UMAC 1 DDR3

B03C

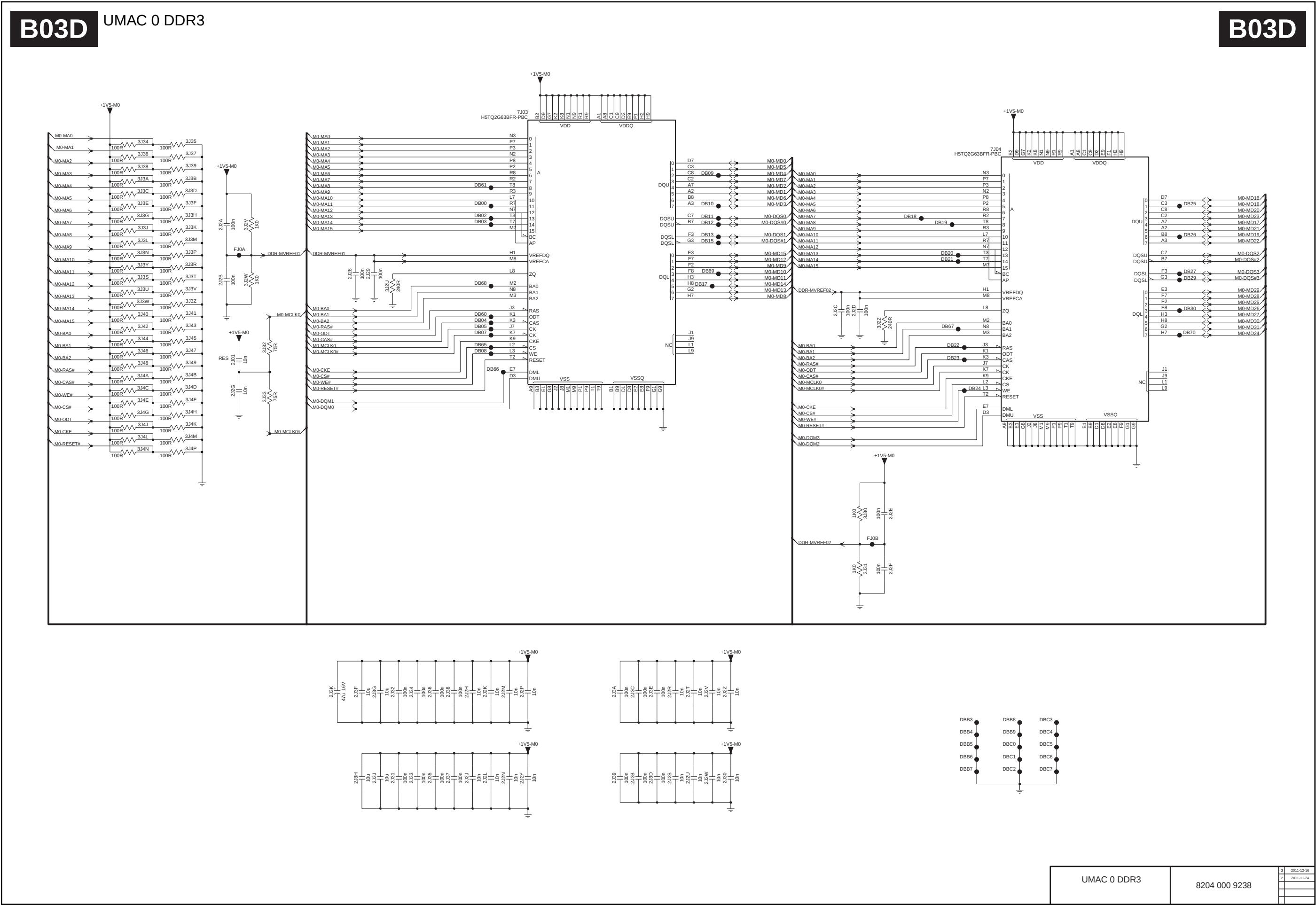
UMAC 1 DDR3

B03C



UMAC 1 DDR3	8204 000 9238	3	2011-12-16
		2	2011-11-24

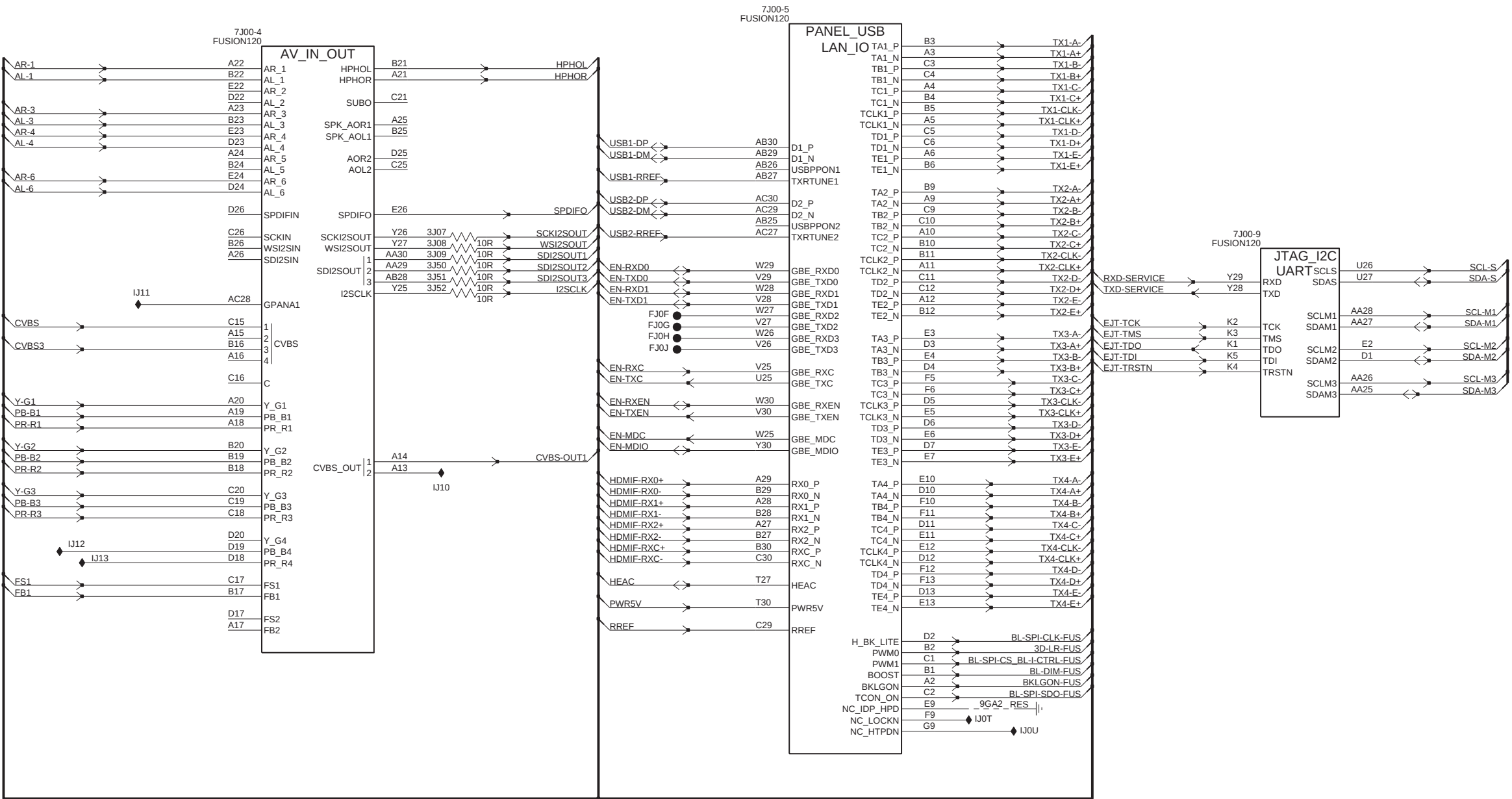
10-4-12 B03D, UMAC 0 DDR3



10-4-13 B03E, LVDS fanout

B03E LVDS fanout

B03E



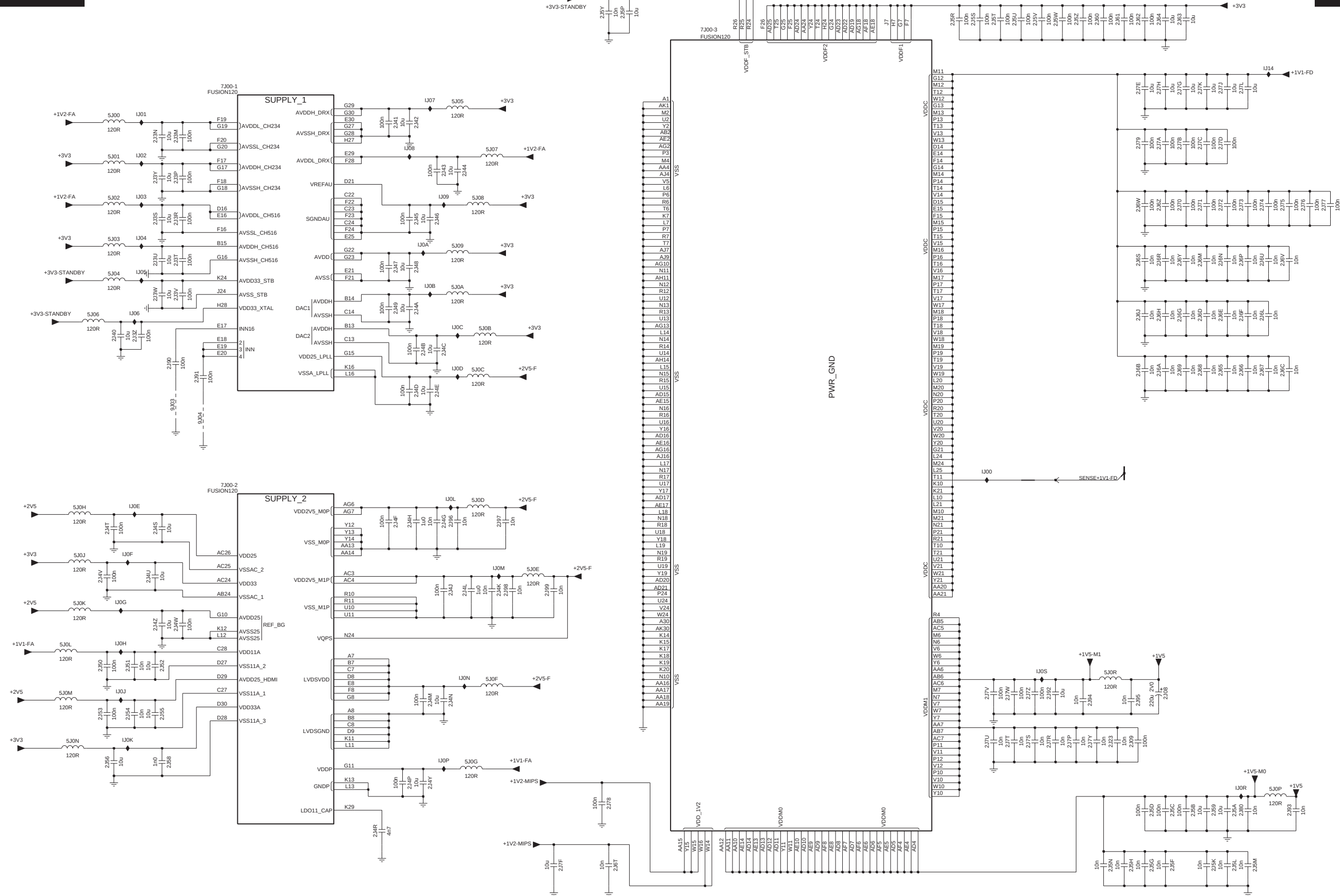
LVDS fanout	8204 000 9238	3	2011-12-30
		2	2011-11-24

10-4-14 B03F, Fanout power supply

B03F

Fanout power supply

B03F



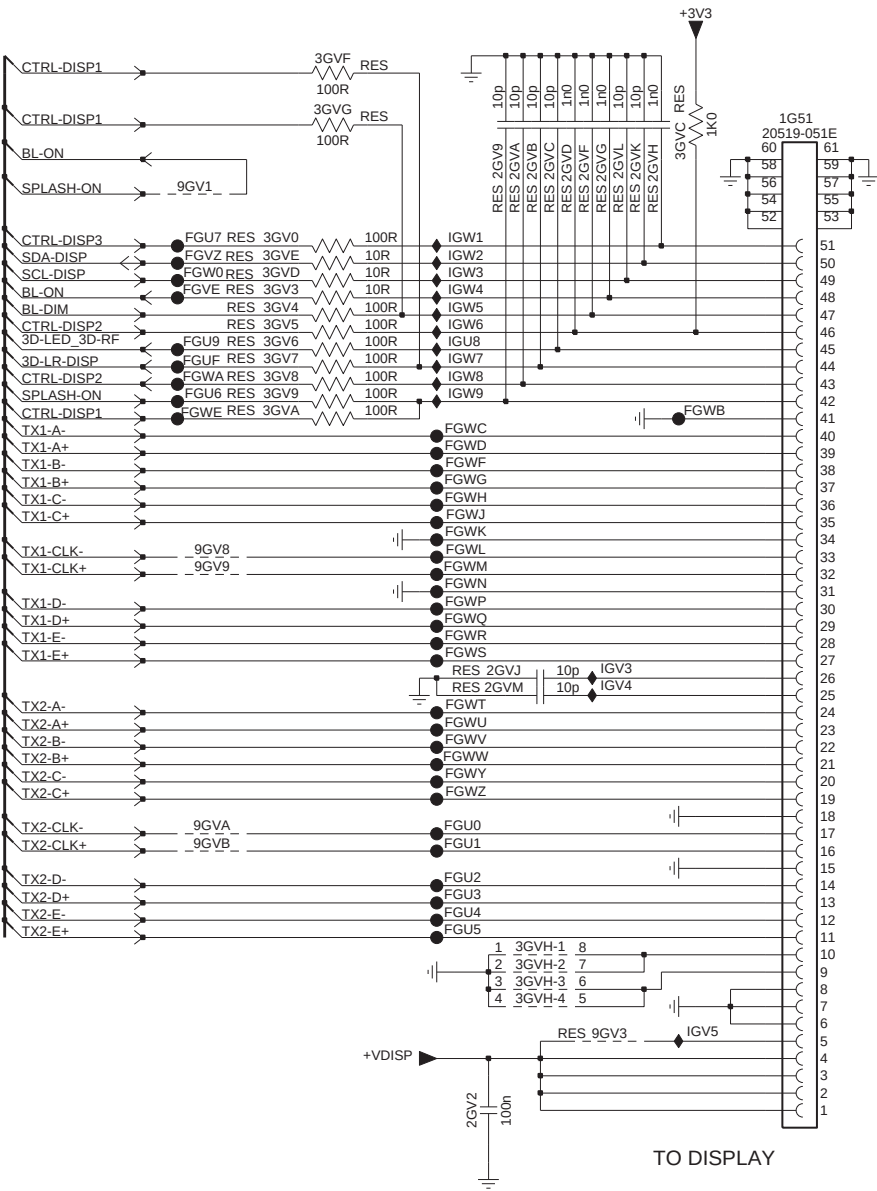
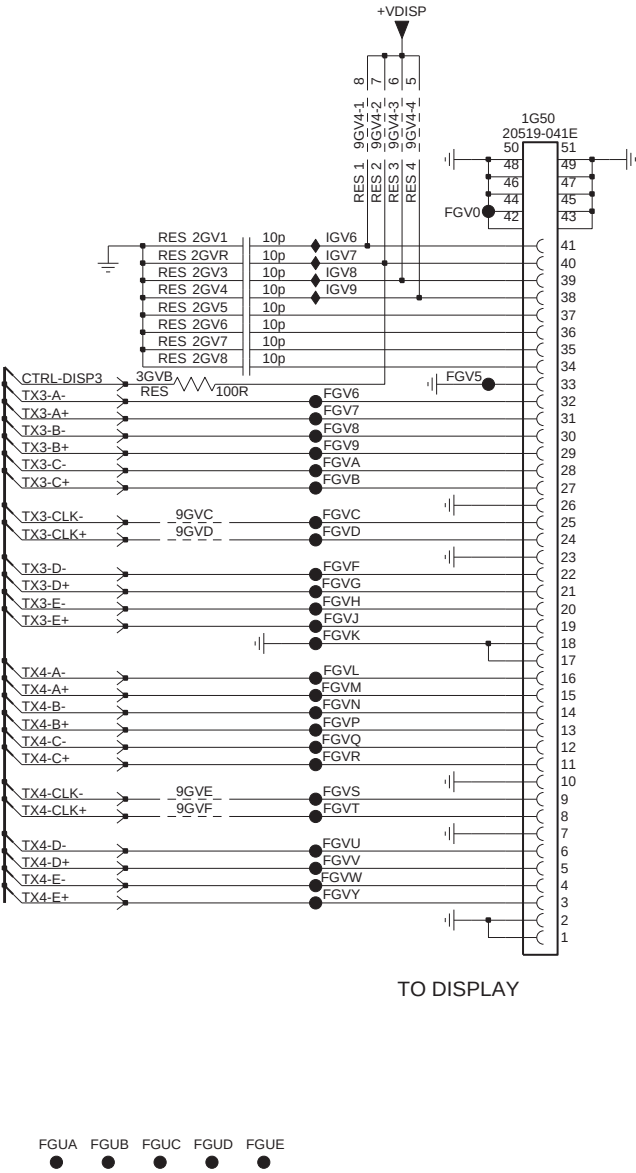
Fanout power supply

8204 000 9238

10-4-16 B04B, LVDS

B04B LVDS

B04B

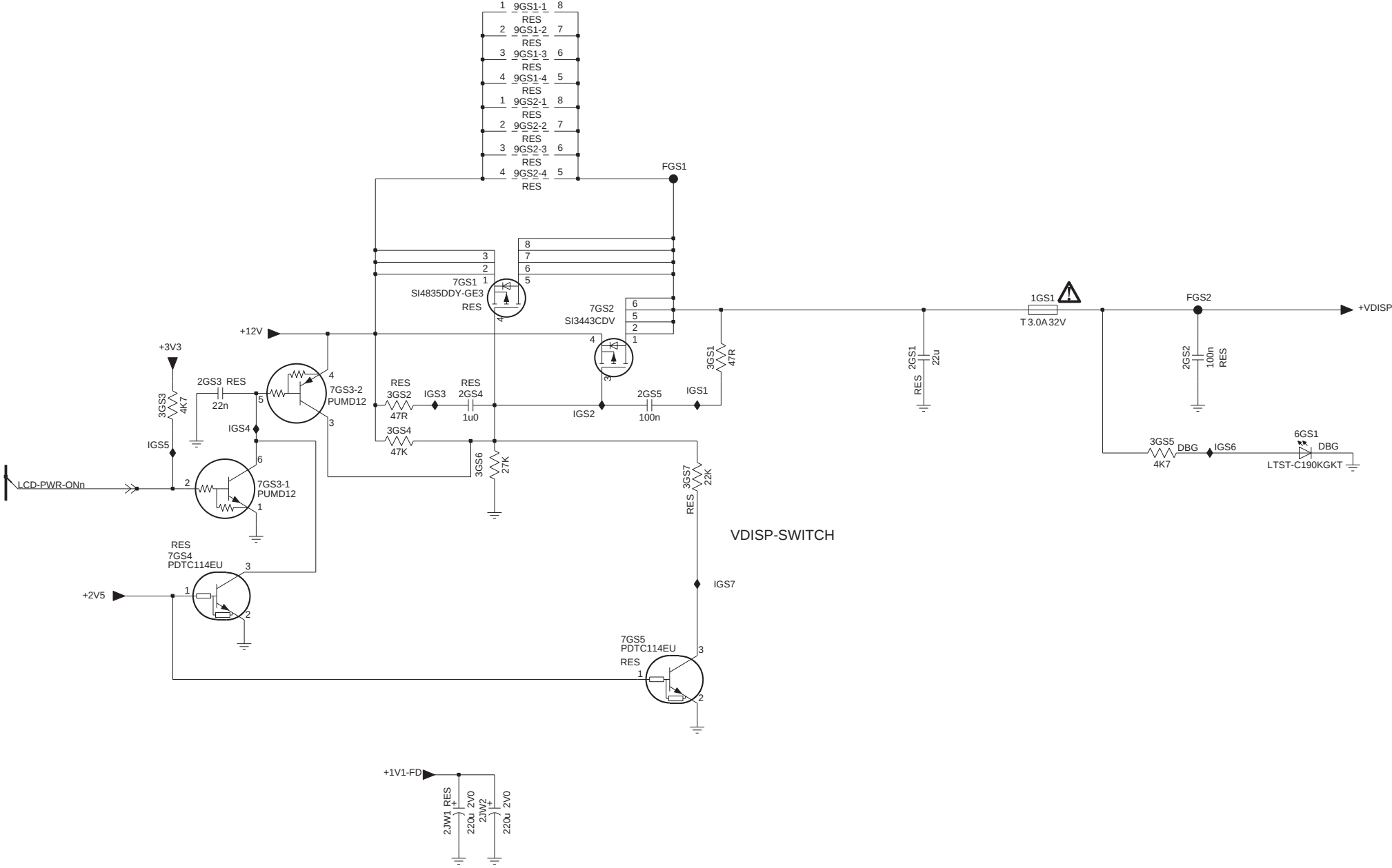


LVDS	8204 000 9231	4	2011.12.08

10-4-17 B04C, VDisp

B04C VDisp

B04C

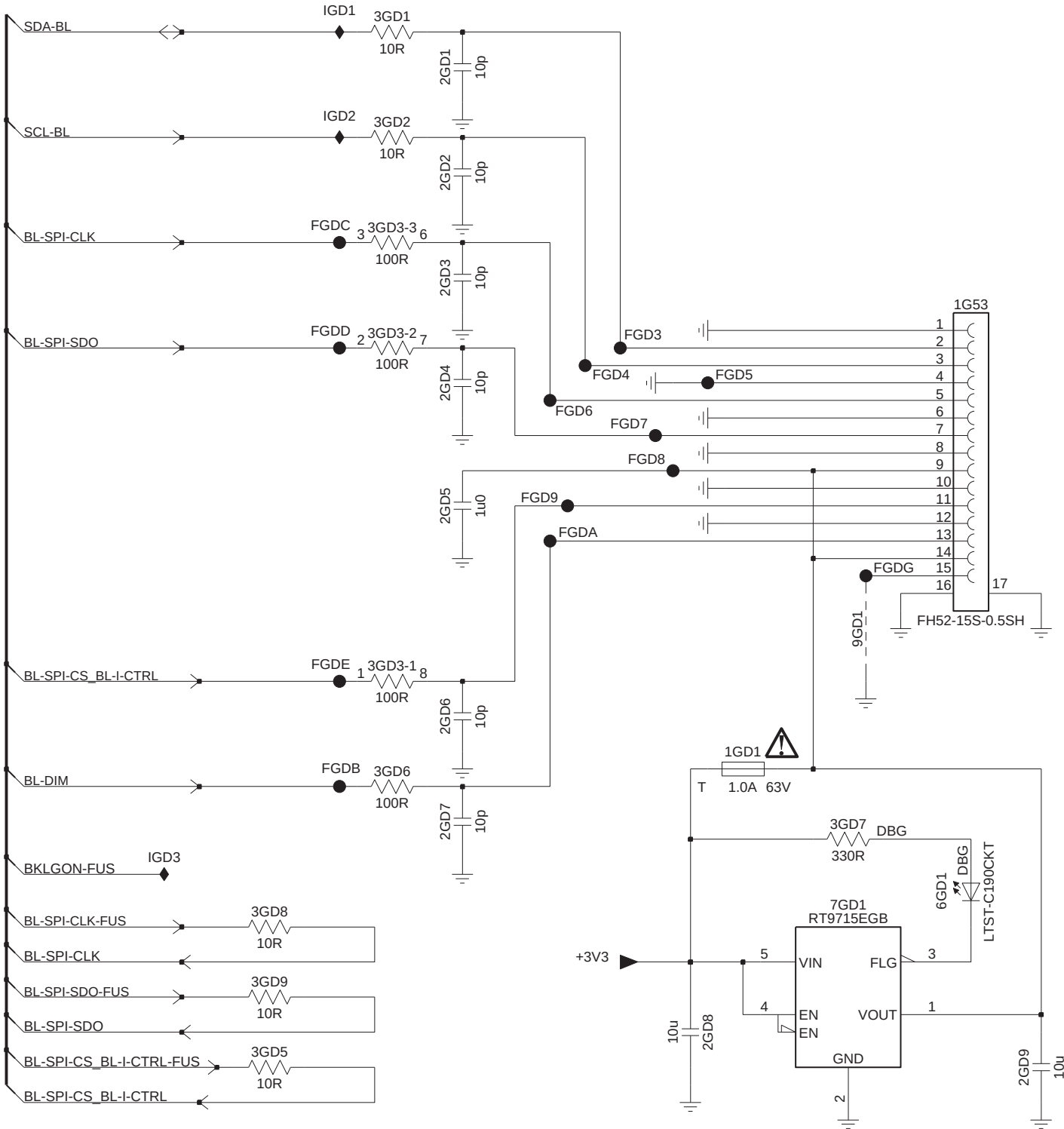


VDisp	8204 000 9231	4	2011.12.08

10-4-18 B04D, Connector - Backlight

B04D Connector - Backlight

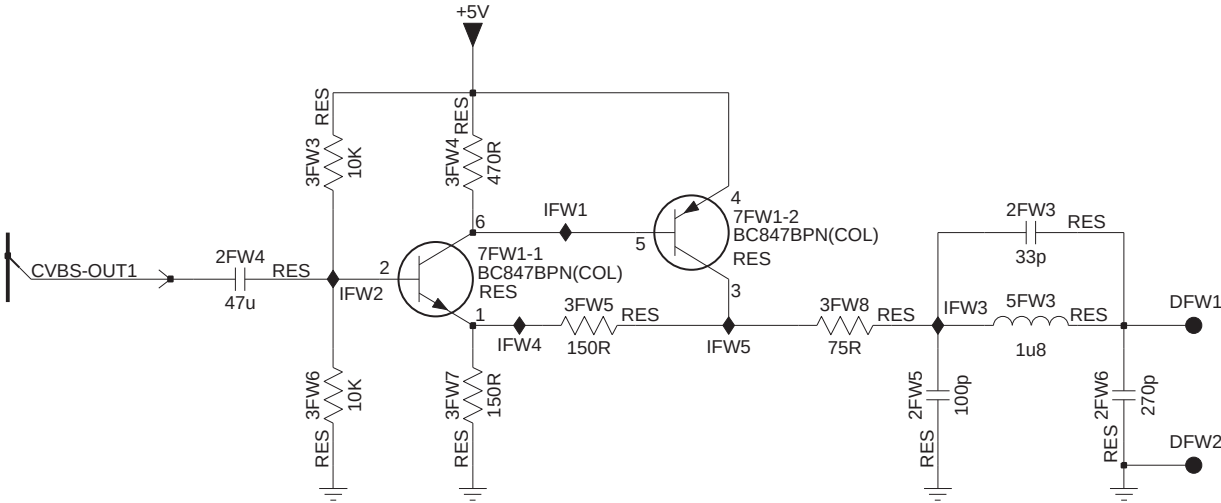
B04D



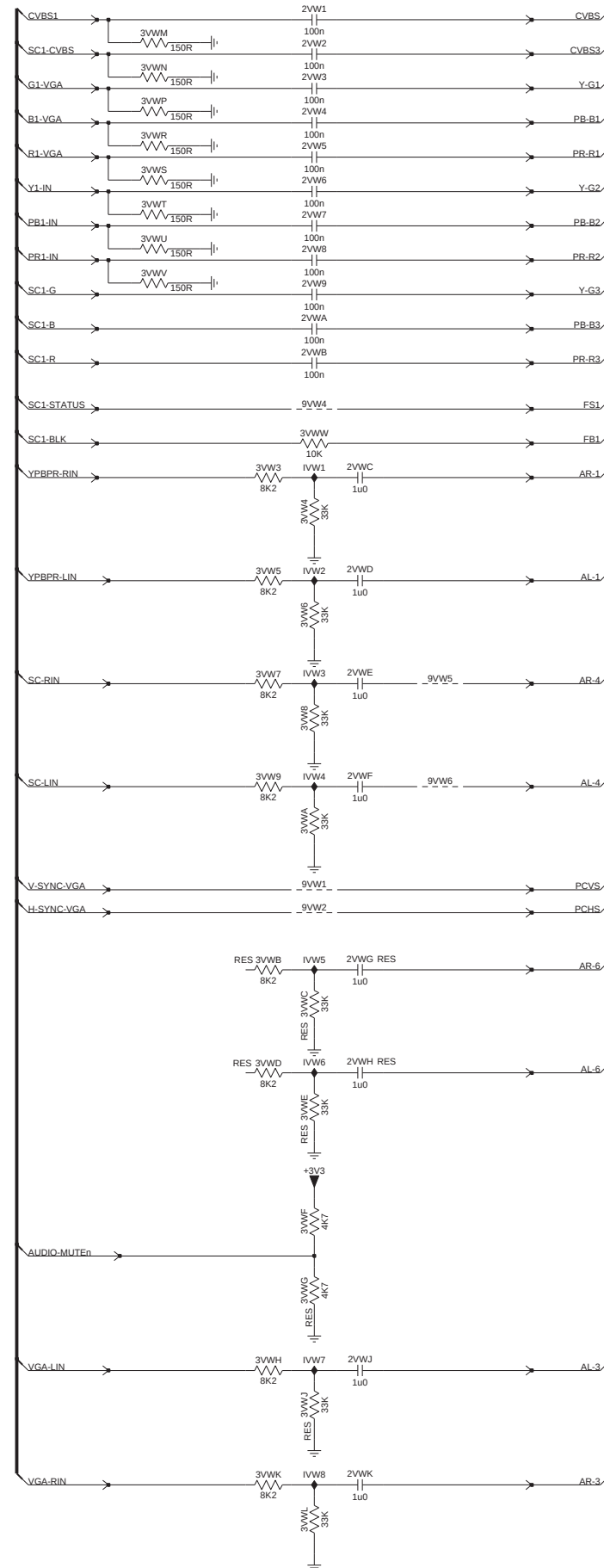
B04E

Tuner CVBS Debug

B04E



Tuner CVBS Debug	8204 000 9231	4	2011-12-08

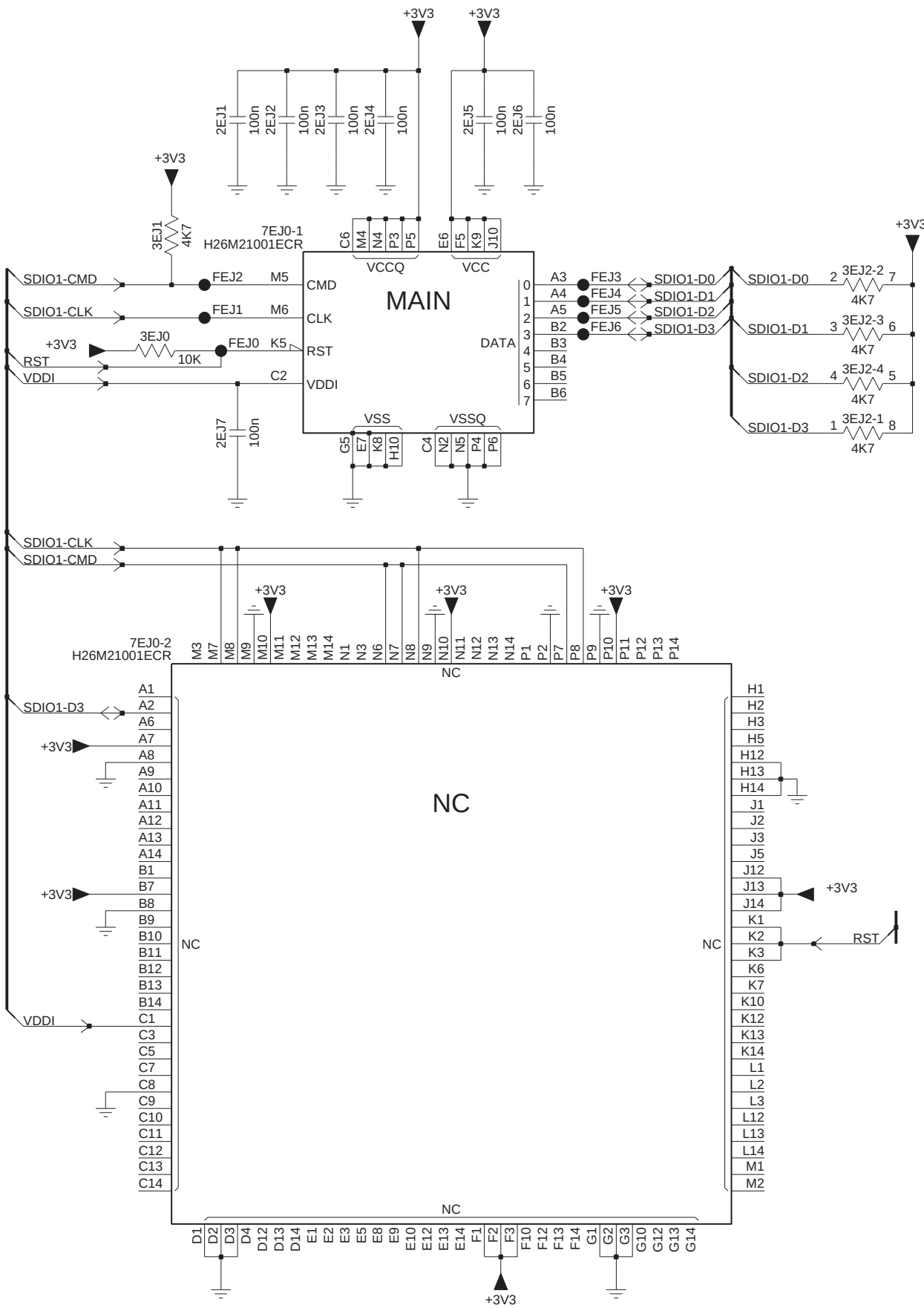


10-4-21 B04G, EMMC

B04G

EMMC

B04G

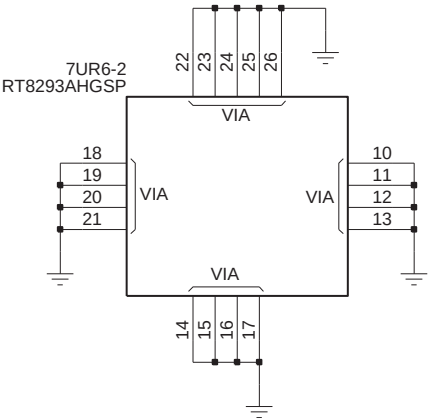
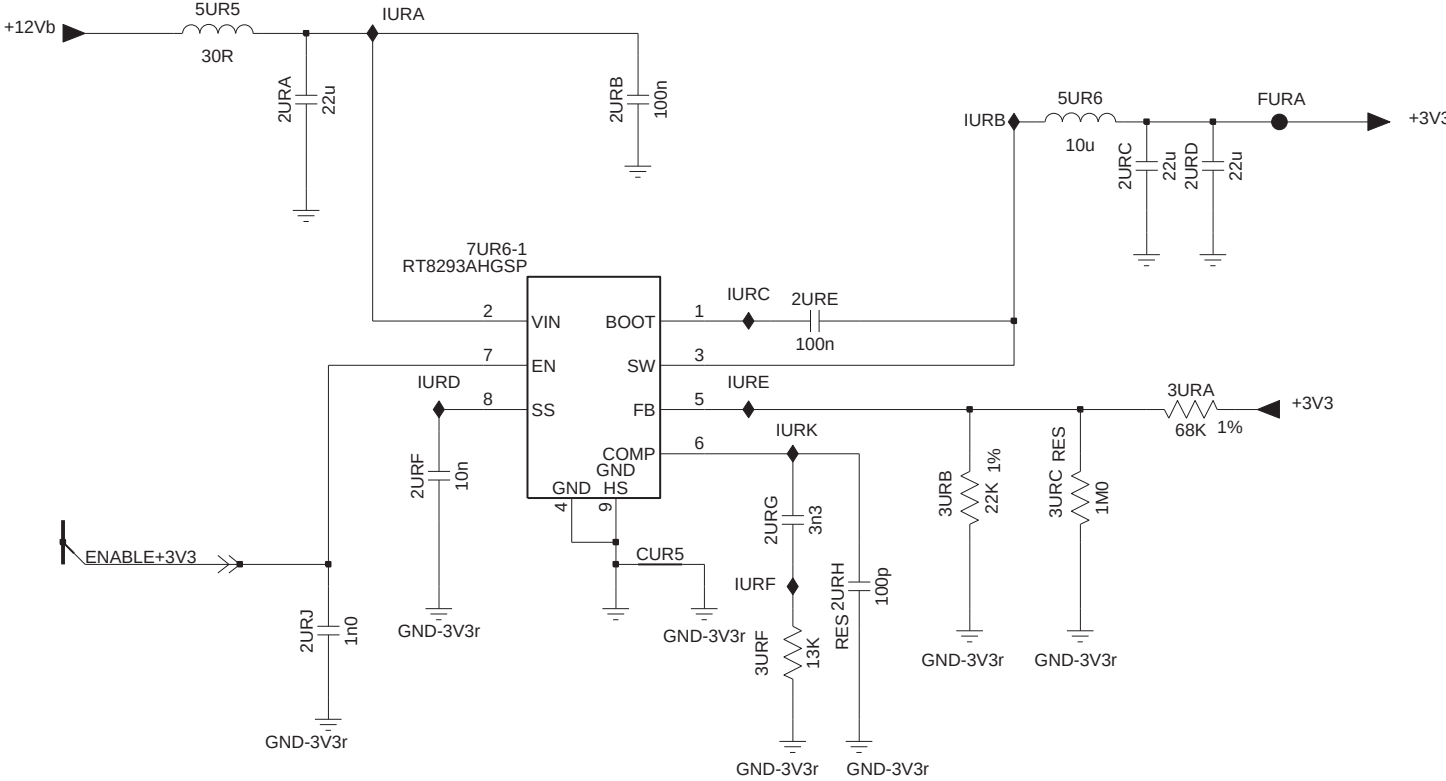
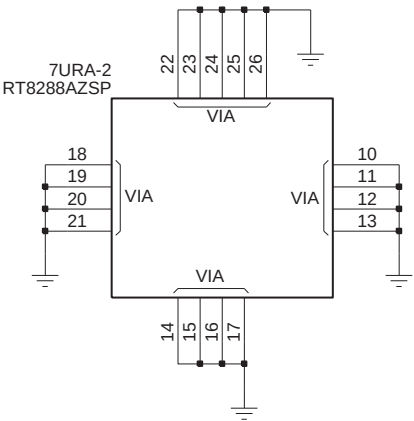
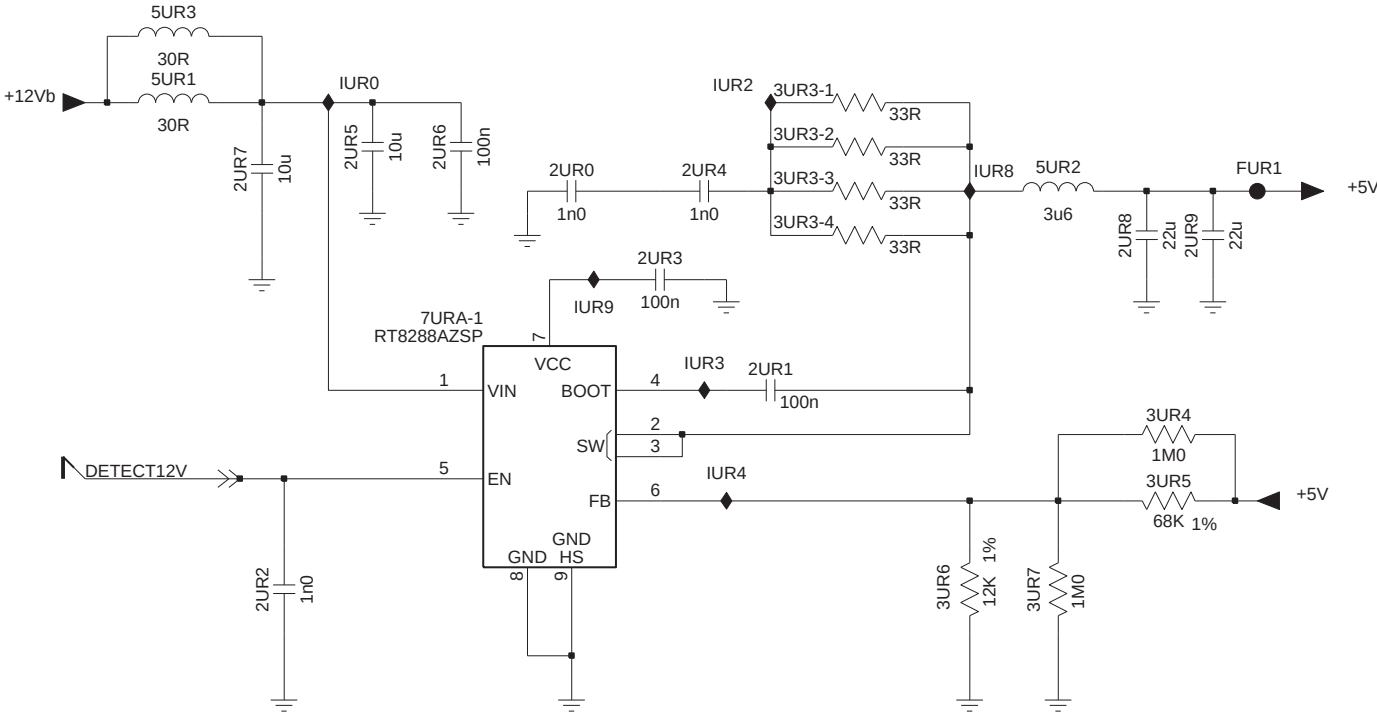


EMMC	8204 000 9231	4	2011.12.08

B04H

Second source DC-DC converters

B04H

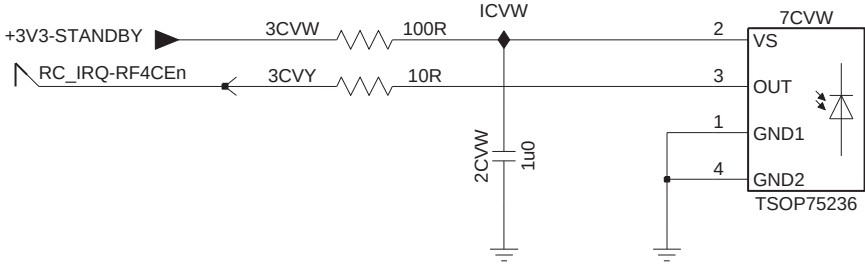


10-4-23 B04I, IR Debug

B04I

IR Debug

B04I



IR Debug	8204 000 9231	4	2011-12-08

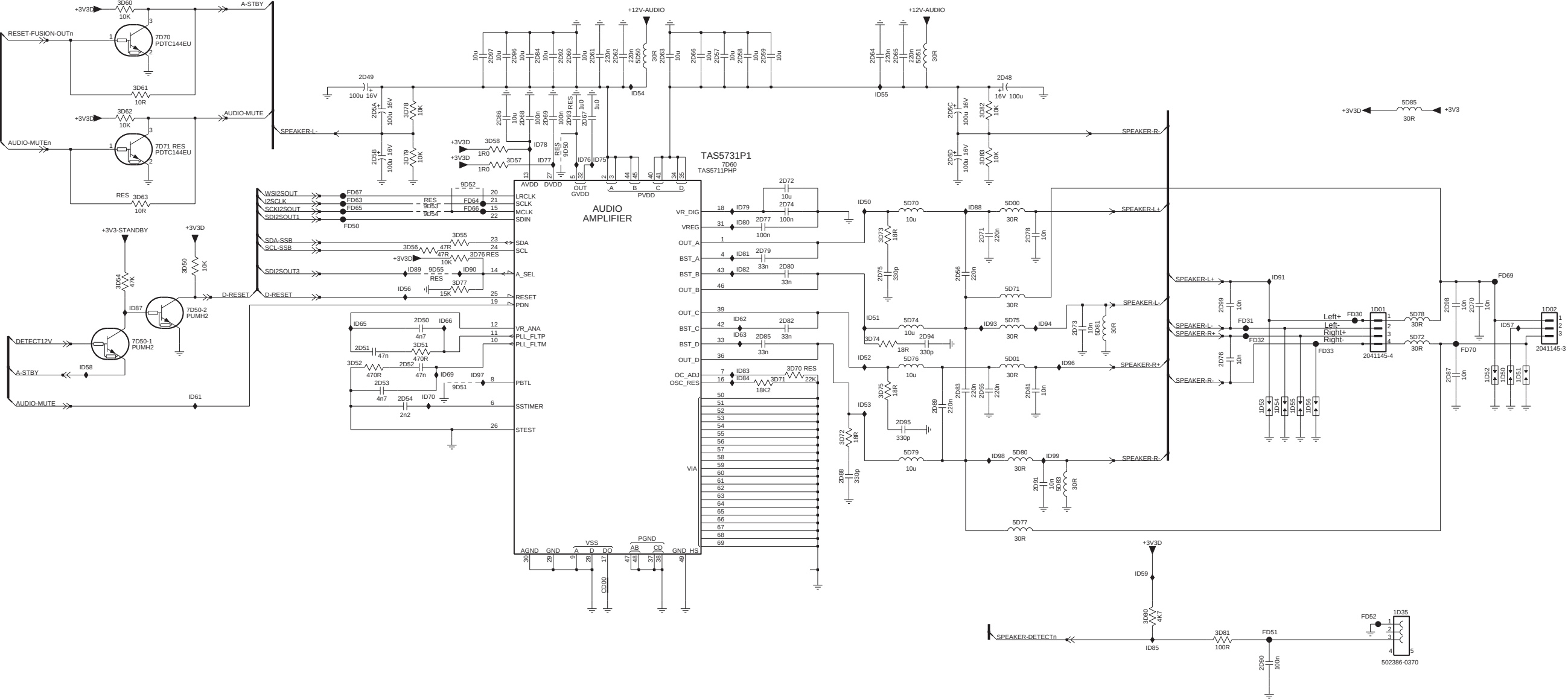
19280_023_120322.eps
120322

10-4-24 B05A, Class-D amplifier

B05A

Class-D amplifier

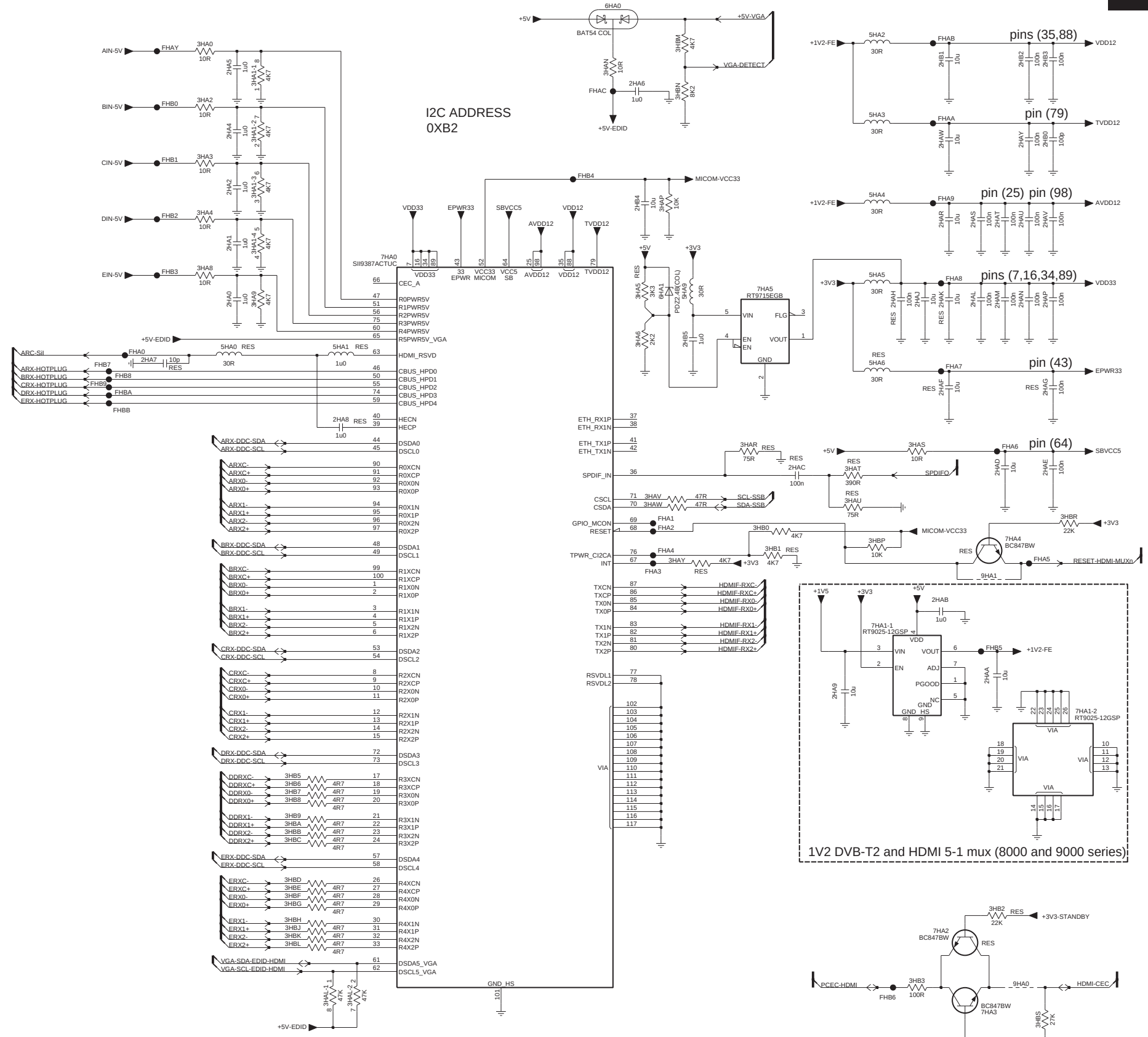
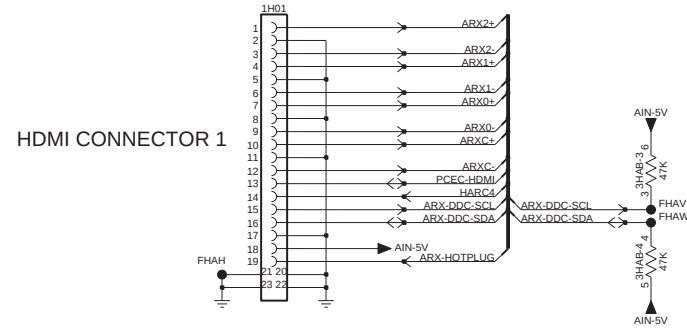
B05A



Class-D amplifier	8204 000 9220	4	2011-12-30

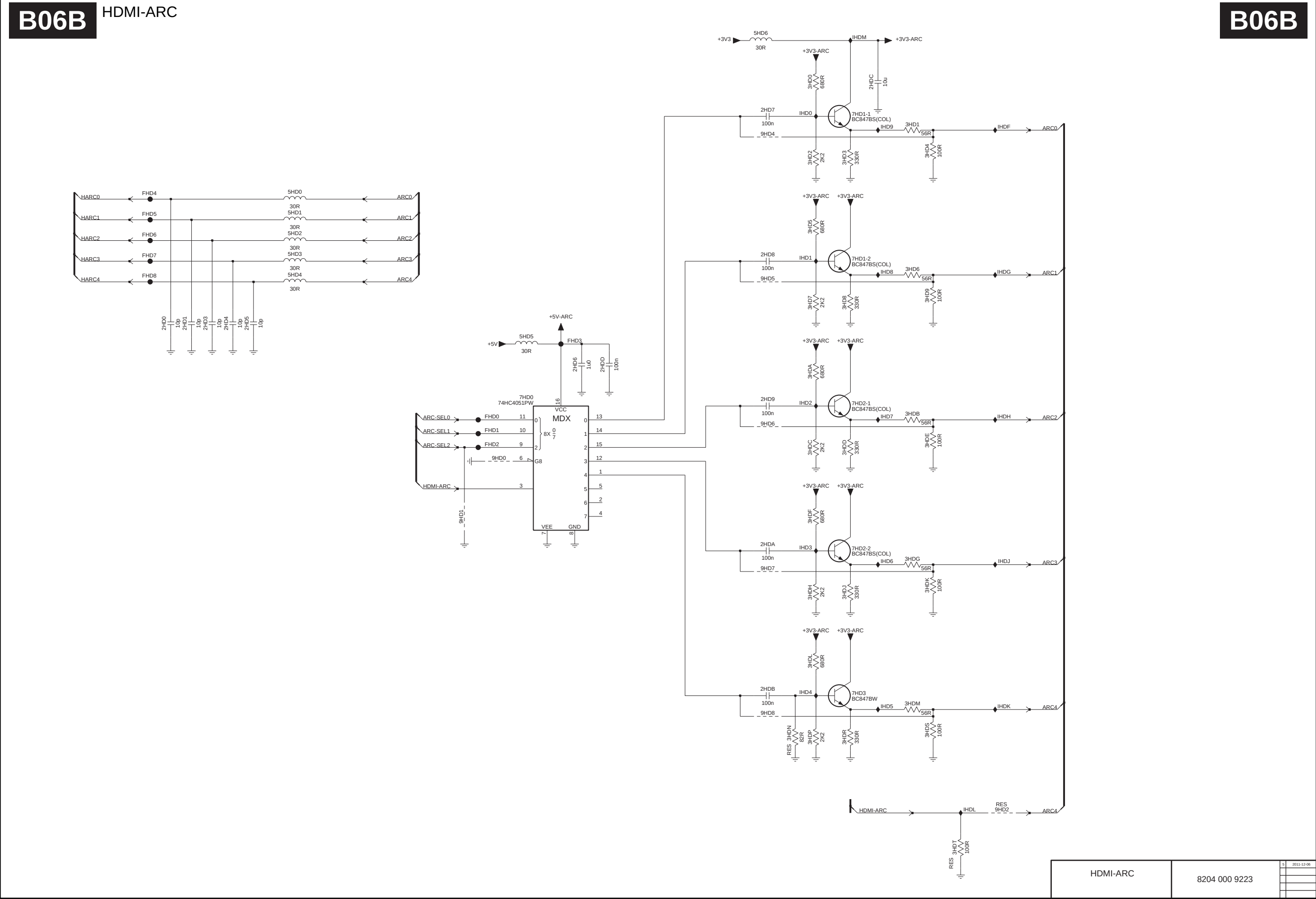
B06A	HDMI
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B06A



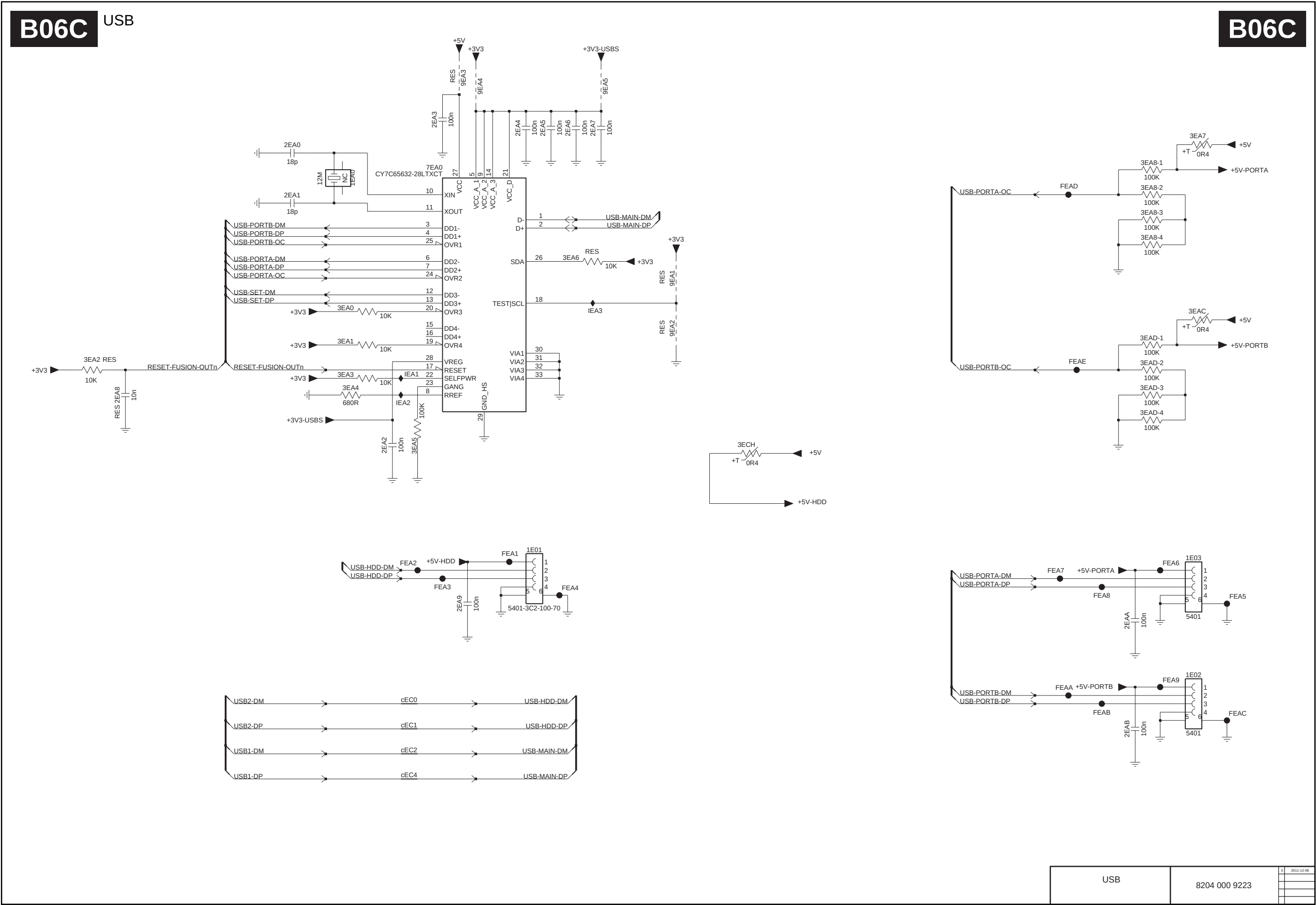
HDMI	8204 000 9223	5	2011-12-06

10-4-27 B06B, HDMI-ARC



HDMI-ARC	8204 000 9223	5	2011.12.08

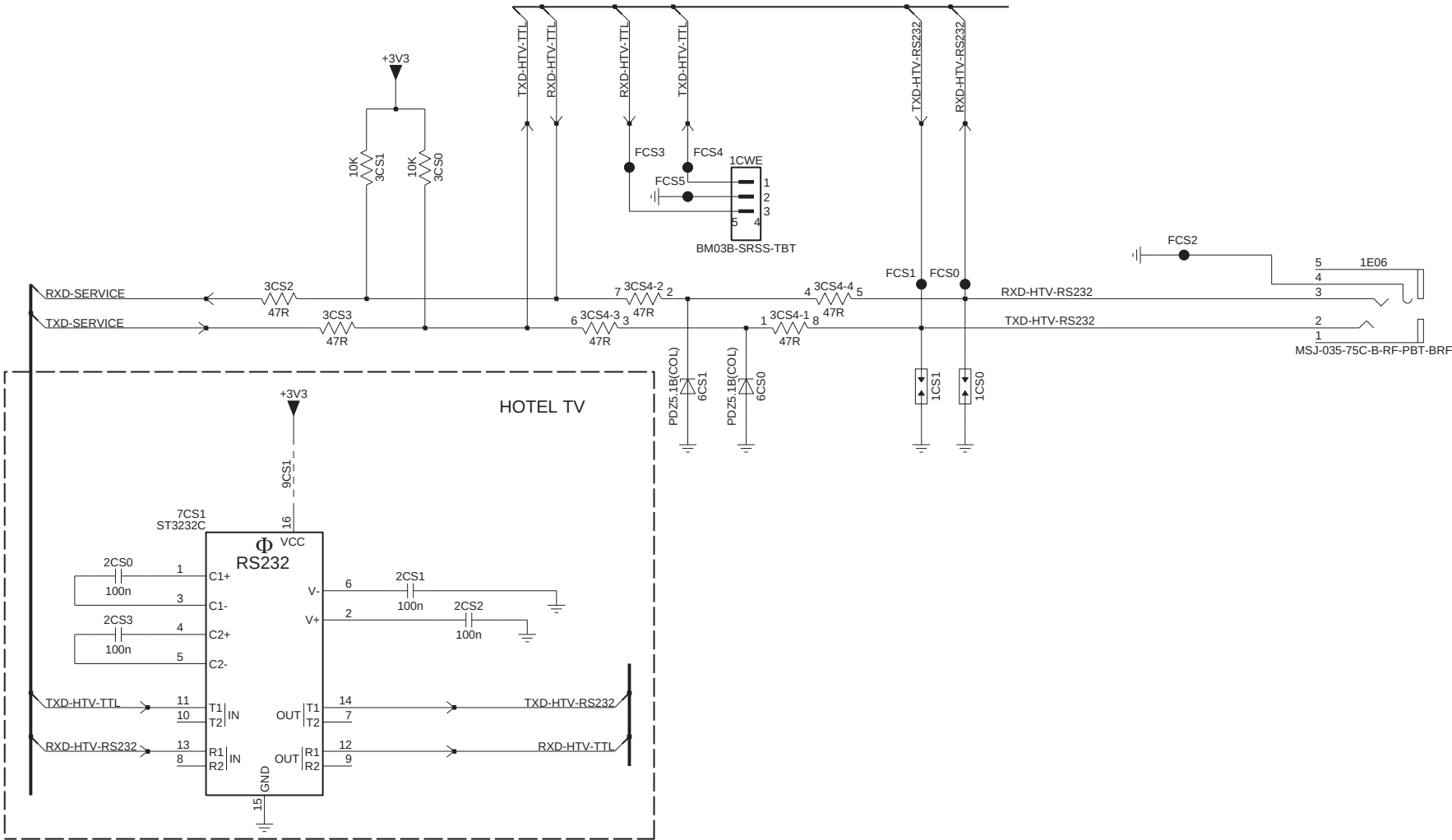
10-4-28 B06C, USB



10-4-29 B06D, Service

B06D Service

B06D



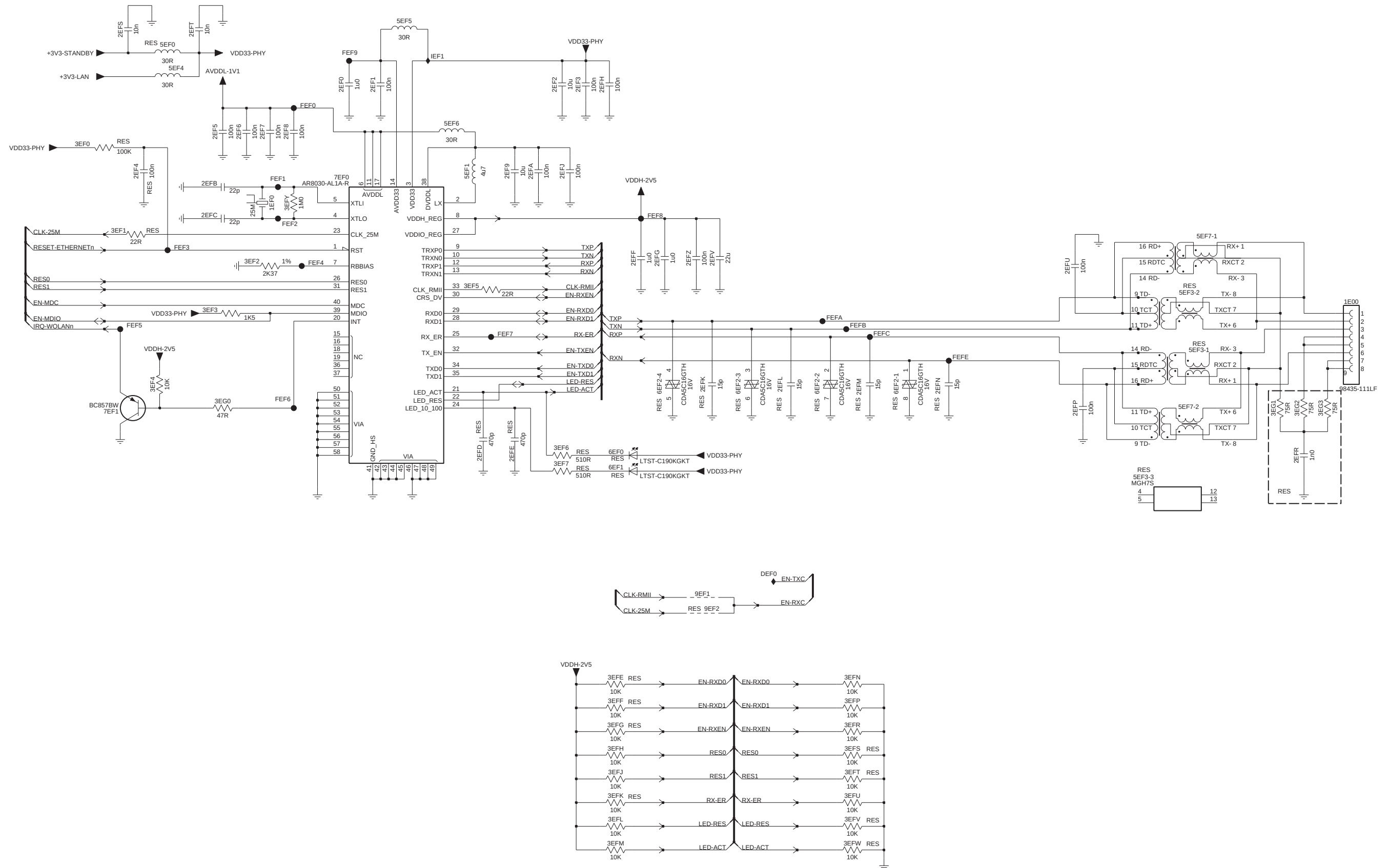
Service	8204 000 9223	5	2011.12.08

19280_029_120322.eps
120322

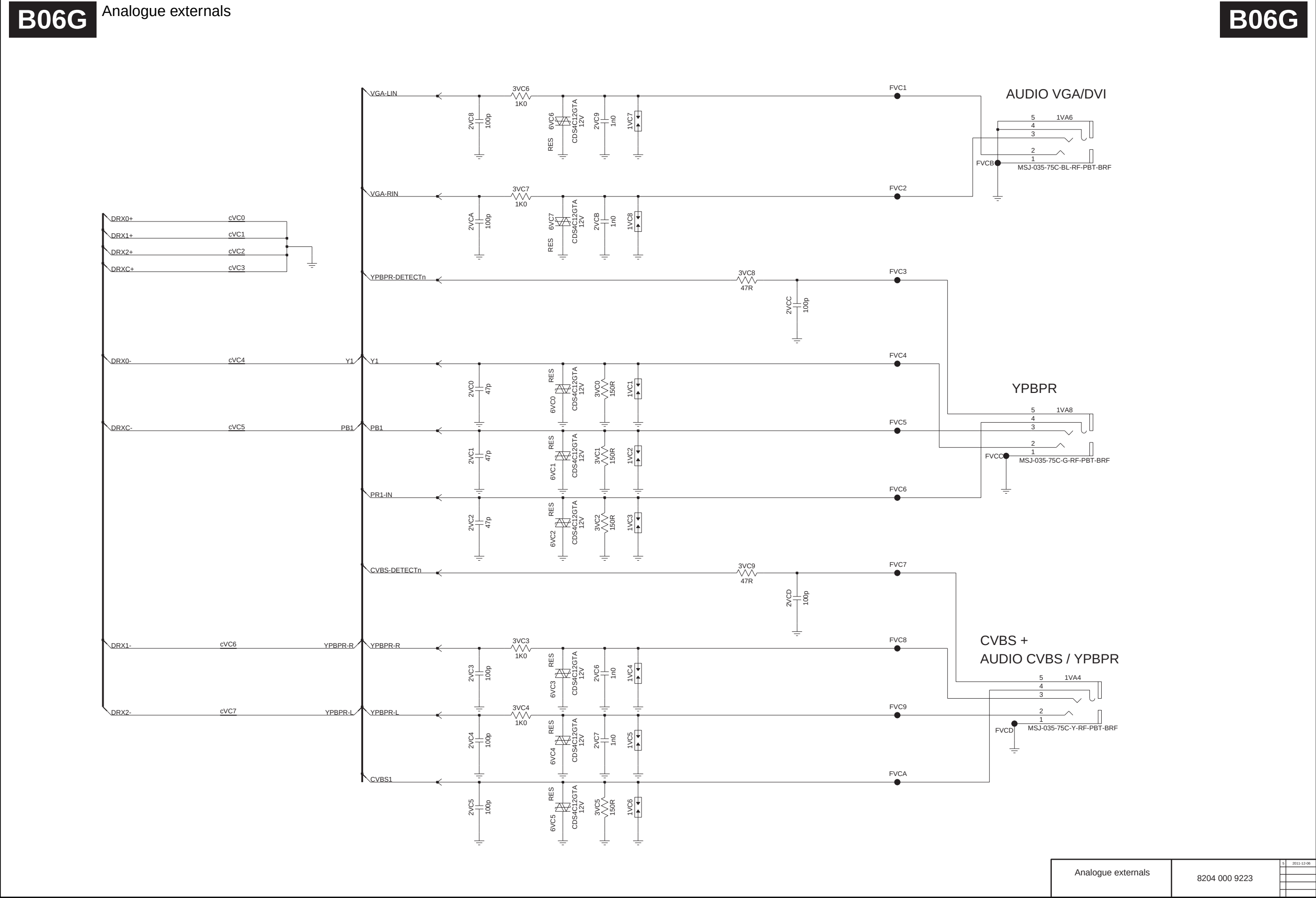
10-4-30 B06E, Ethernet

B06E	Ethernet
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B06E



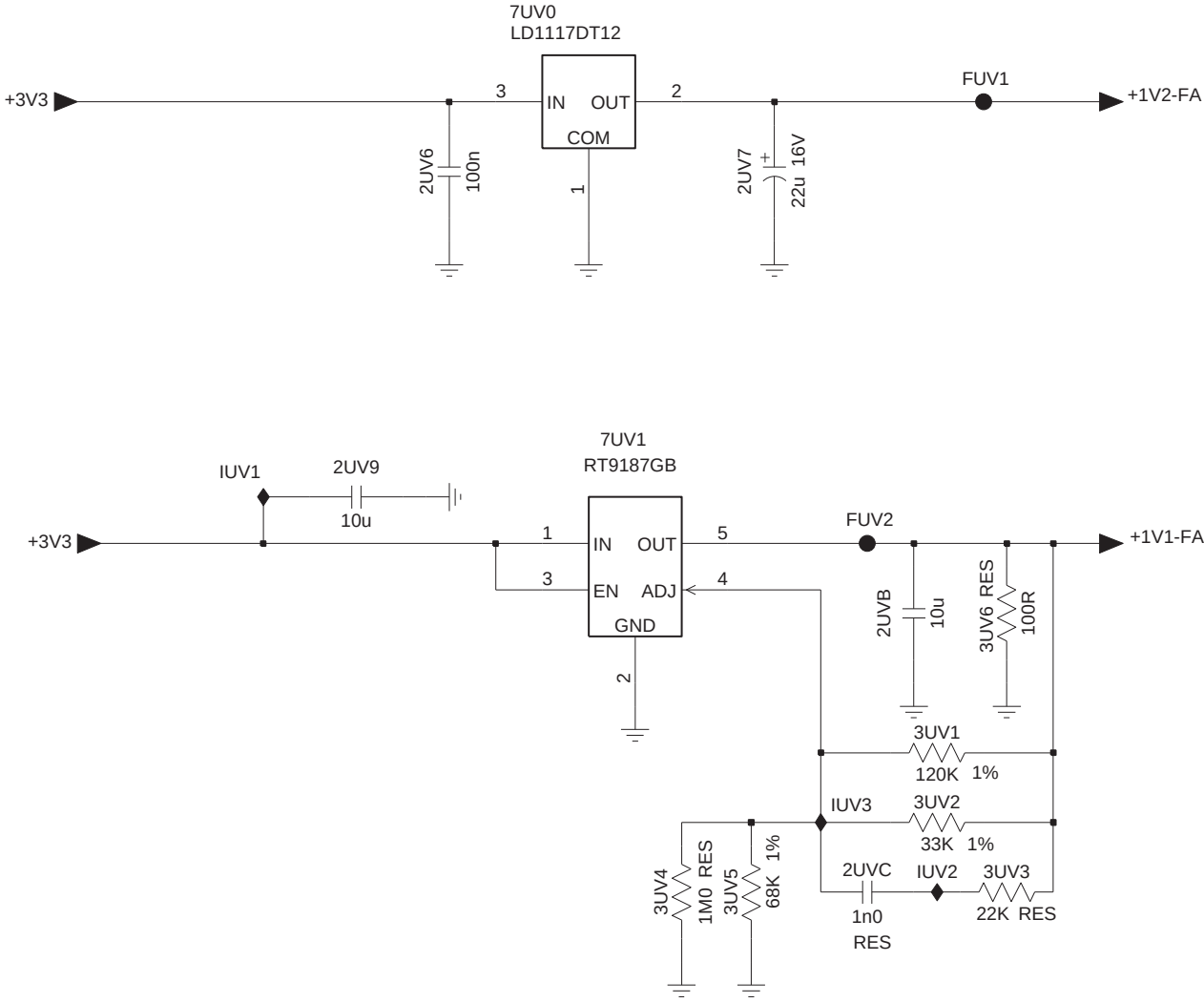
Ethernet	8204 000 9223	5	2011-12-06



10-4-34 B06I, DC-DC

B06I DC-DC

B06I



DC-DC	8204 000 9223	5	2011-12-08

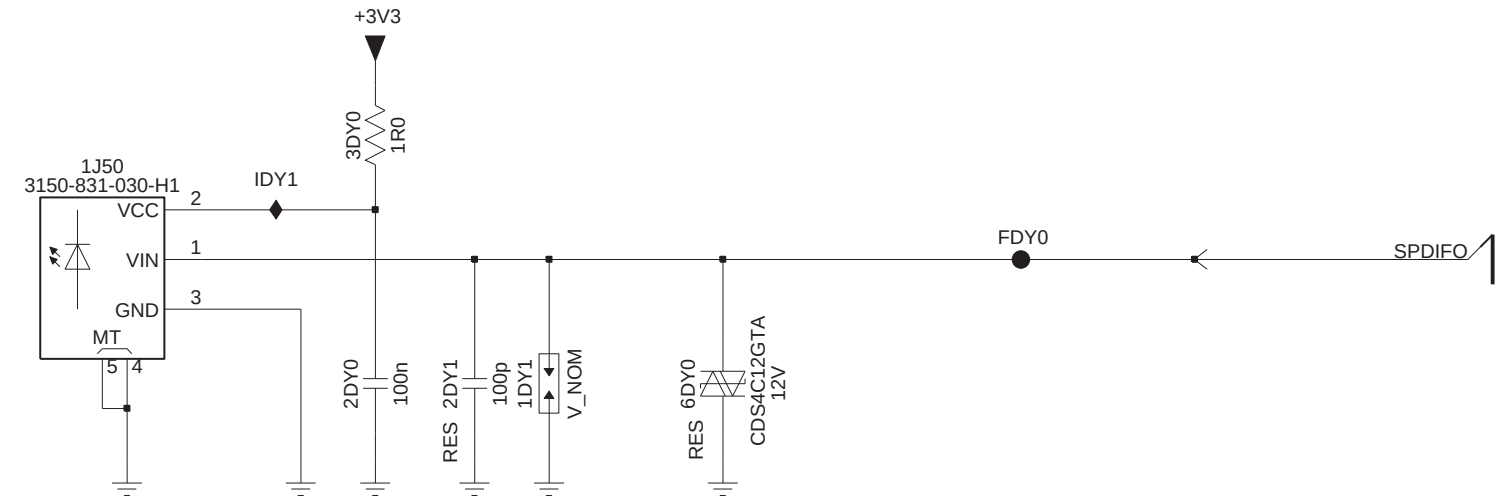
19280_034_120322.eps
120322

10-4-35 B06K, Audio

B06K

Audio

B06K



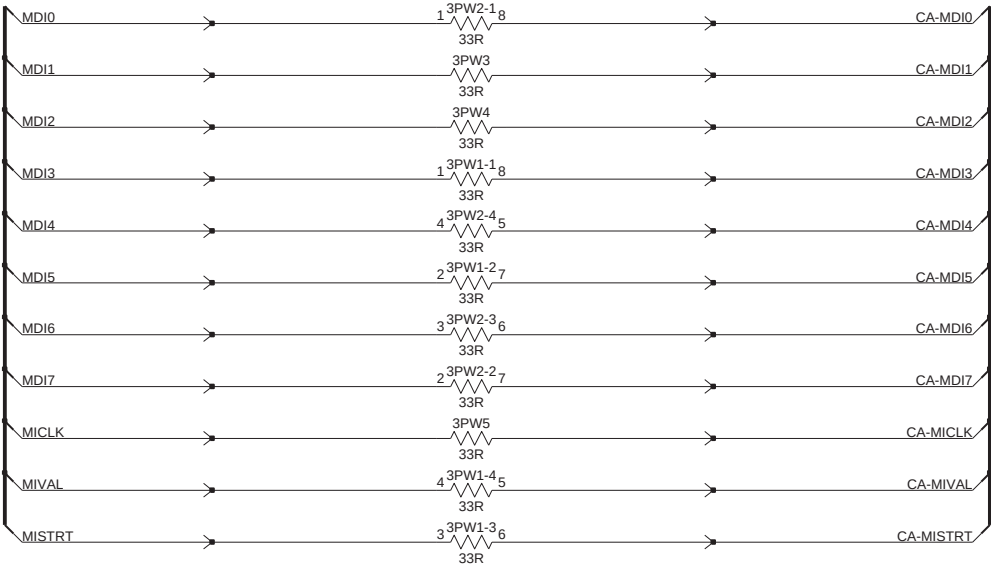
Audio	8204 000 9223	5	2011-12-08

19280_035_120322.eps
120322

10-4-36 B06L, Conditional access

B06L

Conditional access

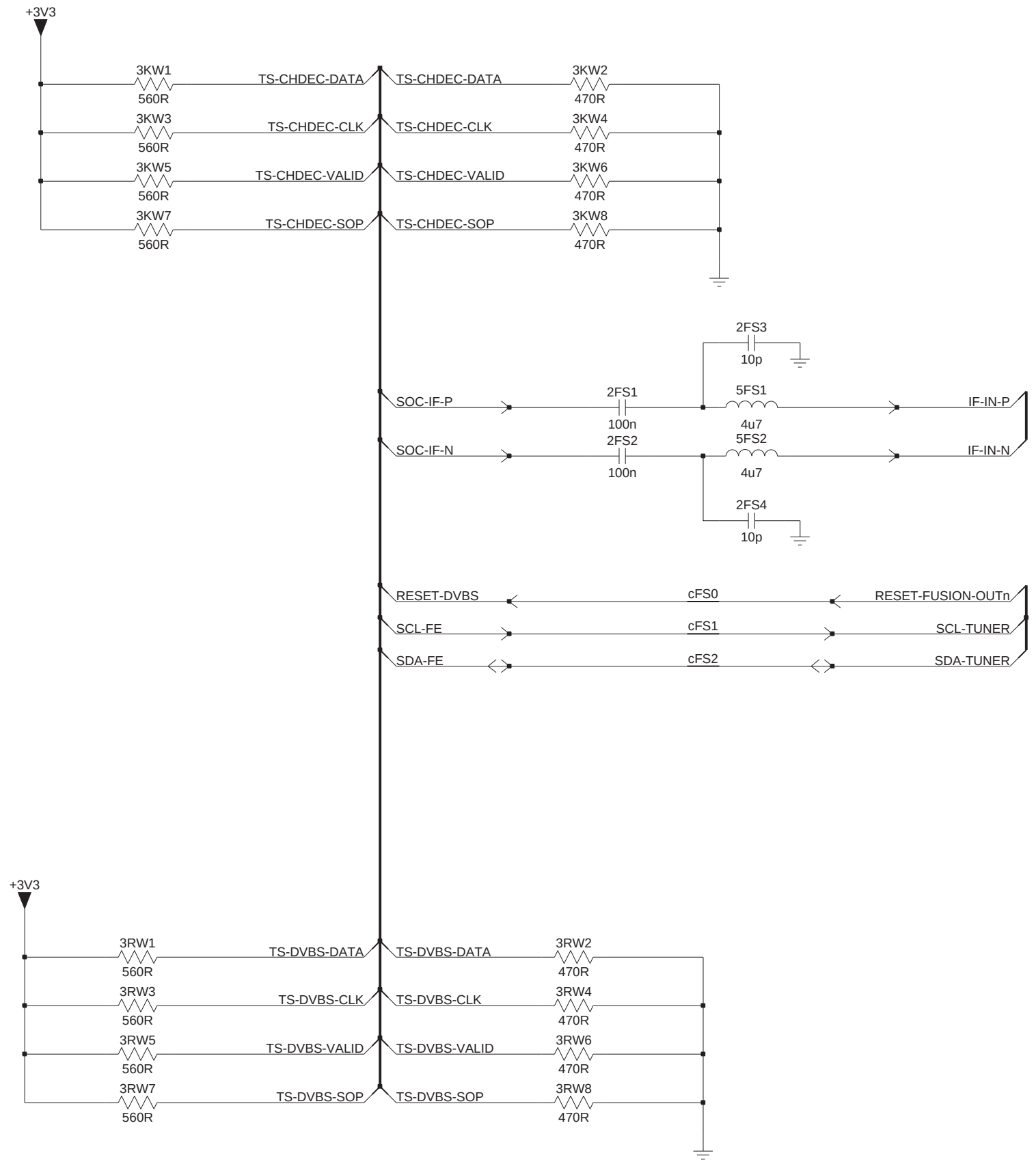


Conditional access	8204 000 9223	5	2011-12-08

10-4-37 B06M, FE

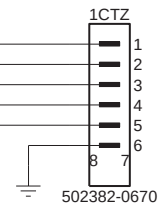
B06M FE

B06M



FE	8204 000 9223	5	2011-12-08

19280_037_120322.eps
120322

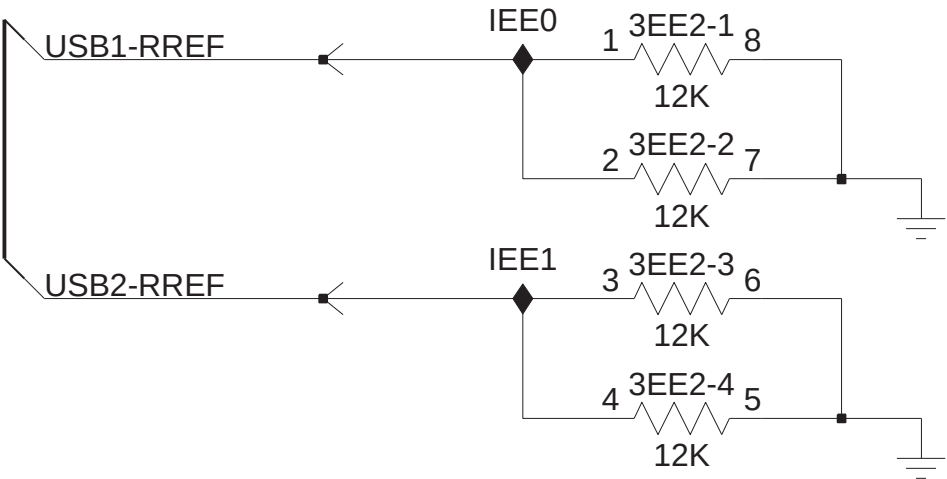


19280_038_120322.eps
120322

B06O

Fusion peripherals

B06O

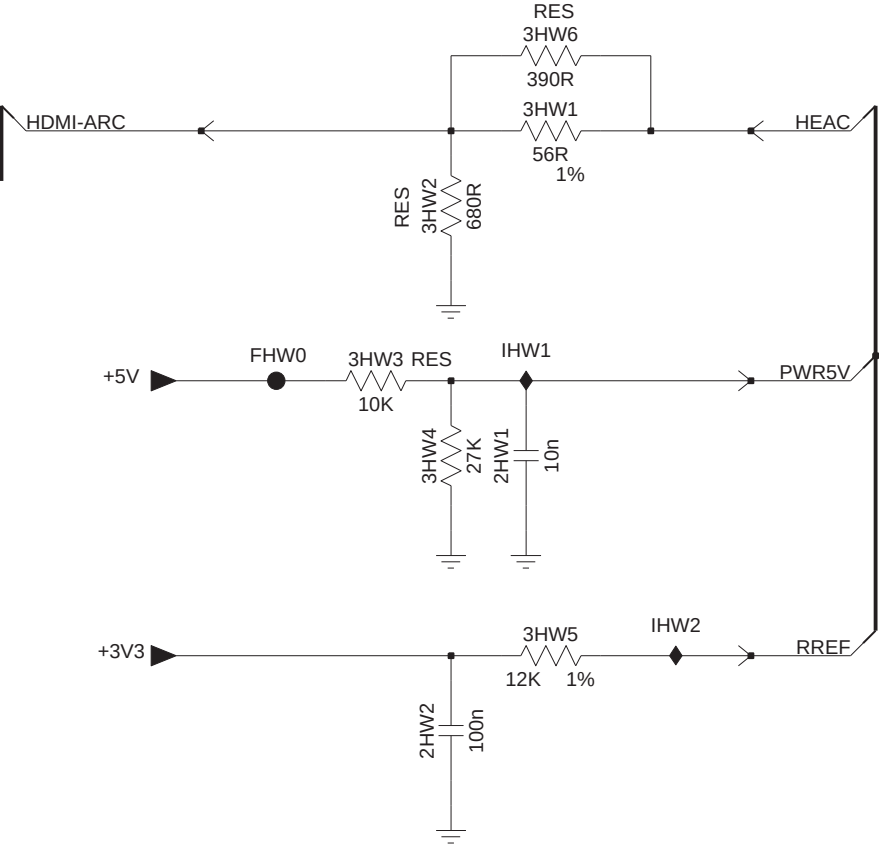


Fusion peripherals	8204 000 9223	5	2011-12-08

10-4-40 B06P, HDMI

B06P HDMI

B06P



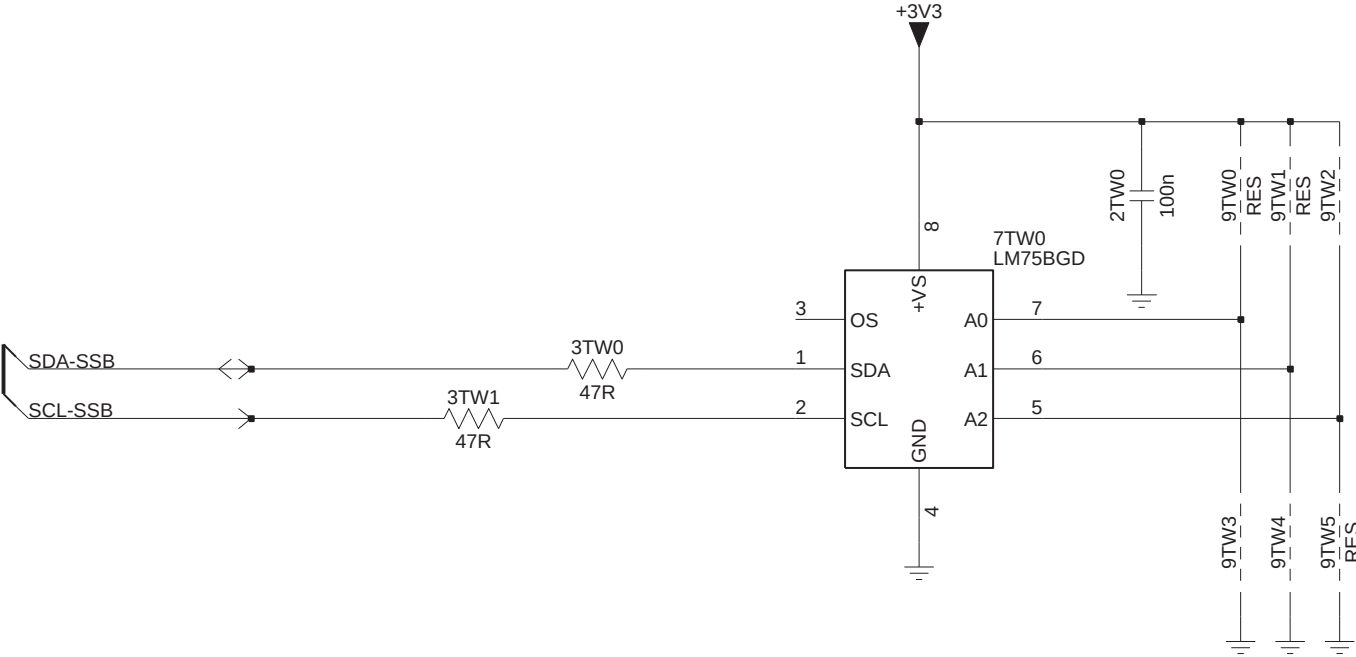
HDMI	8204 000 9223	5	2011-12-08

19280_040_120322.eps
120322

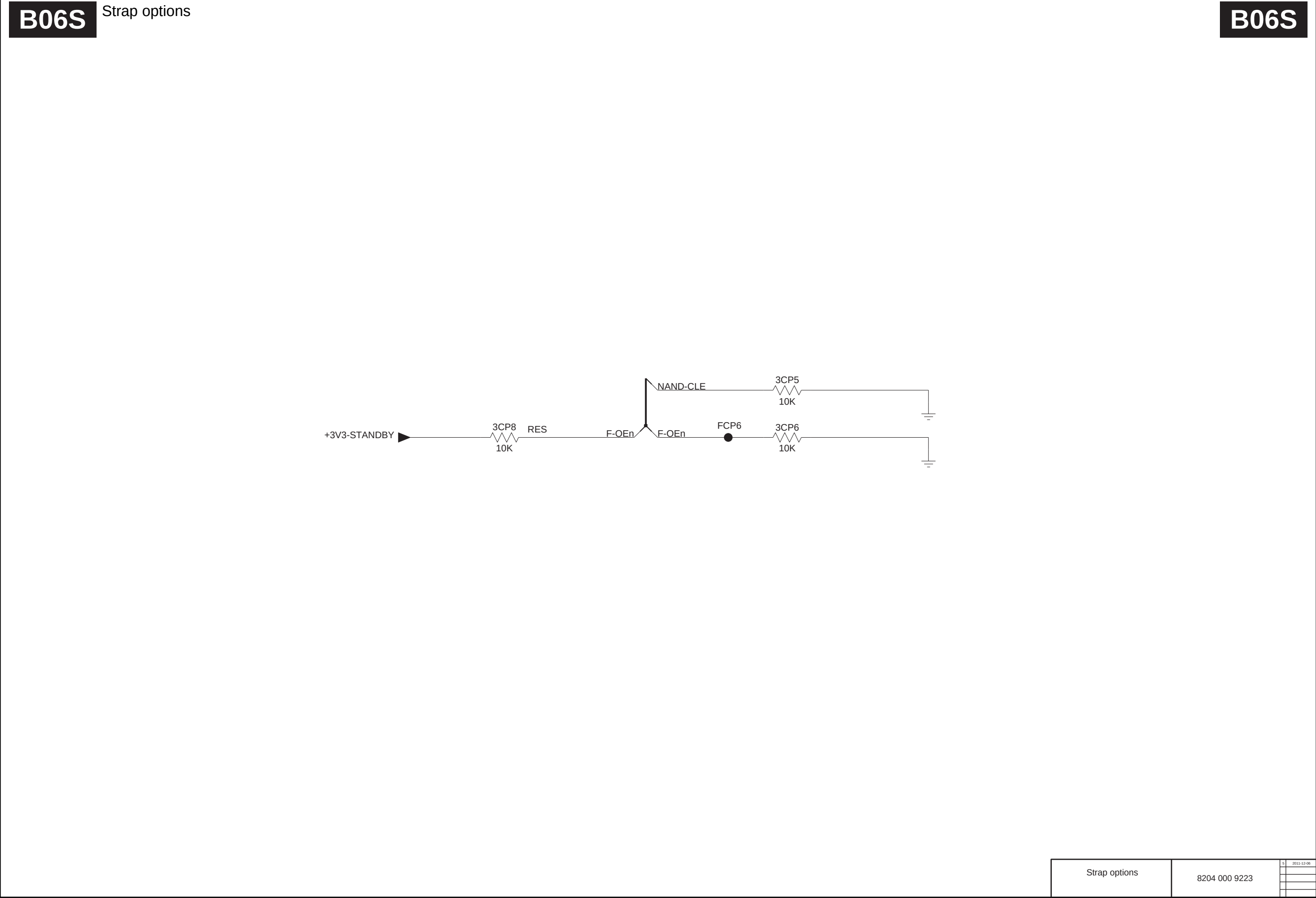
10-4-42 B06R, Temperature sensor

B06R Temperature sensor

B06R



Temperature sensor	8204 000 9223	5	2011-12-08



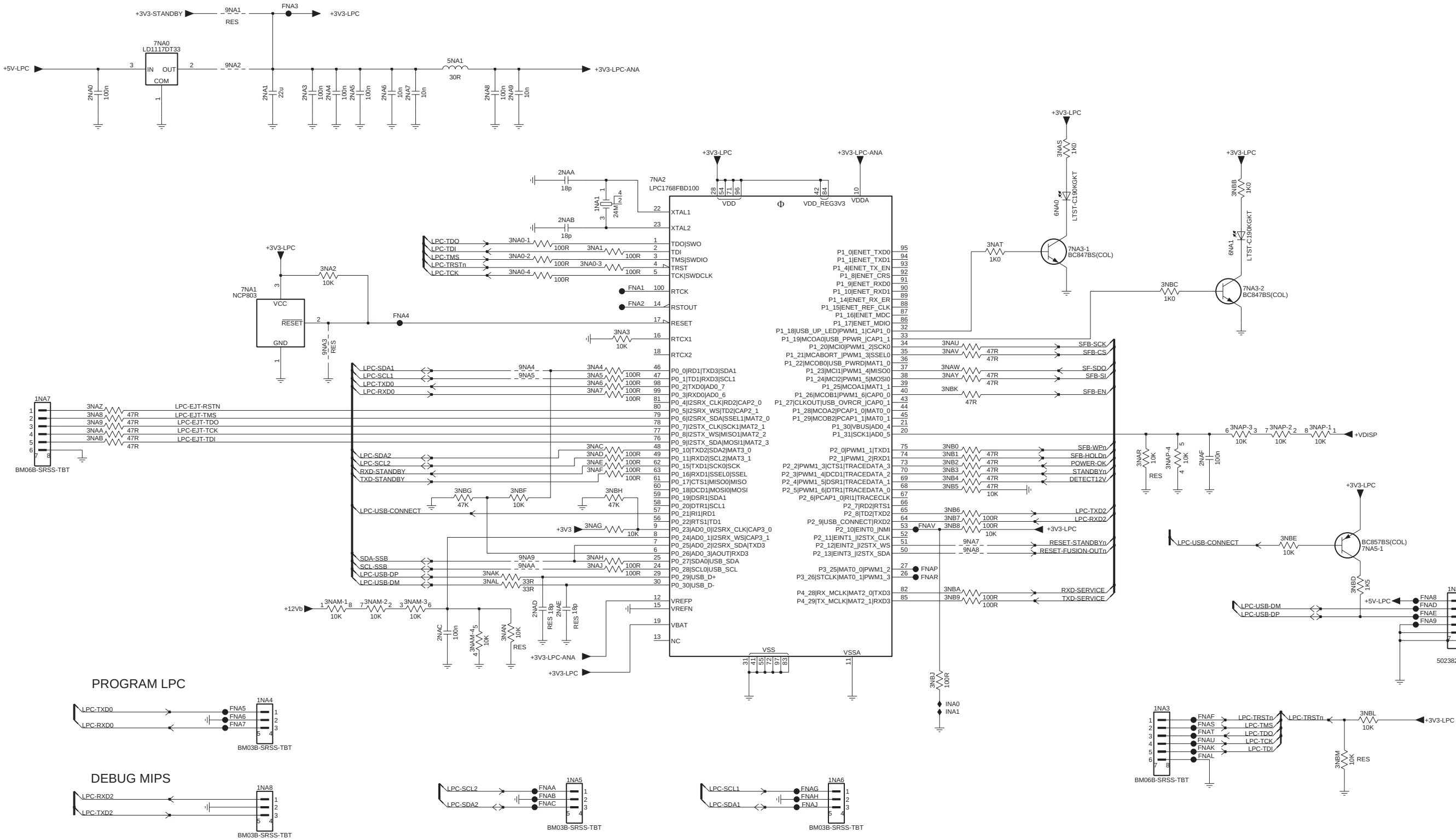
Strap options	8204 000 9223	5	2011-12-08

10-4-44 B07A, LPC debug

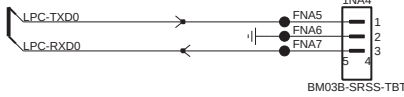
B07A

LPC debug

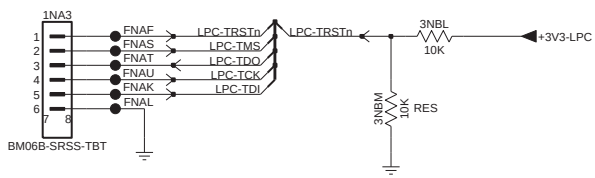
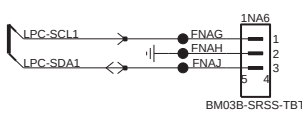
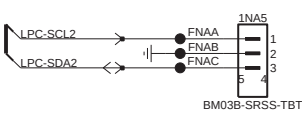
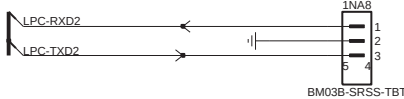
B07A



PROGRAM LPC



DEBUG MIPS



LPC debug

8204 000 9222

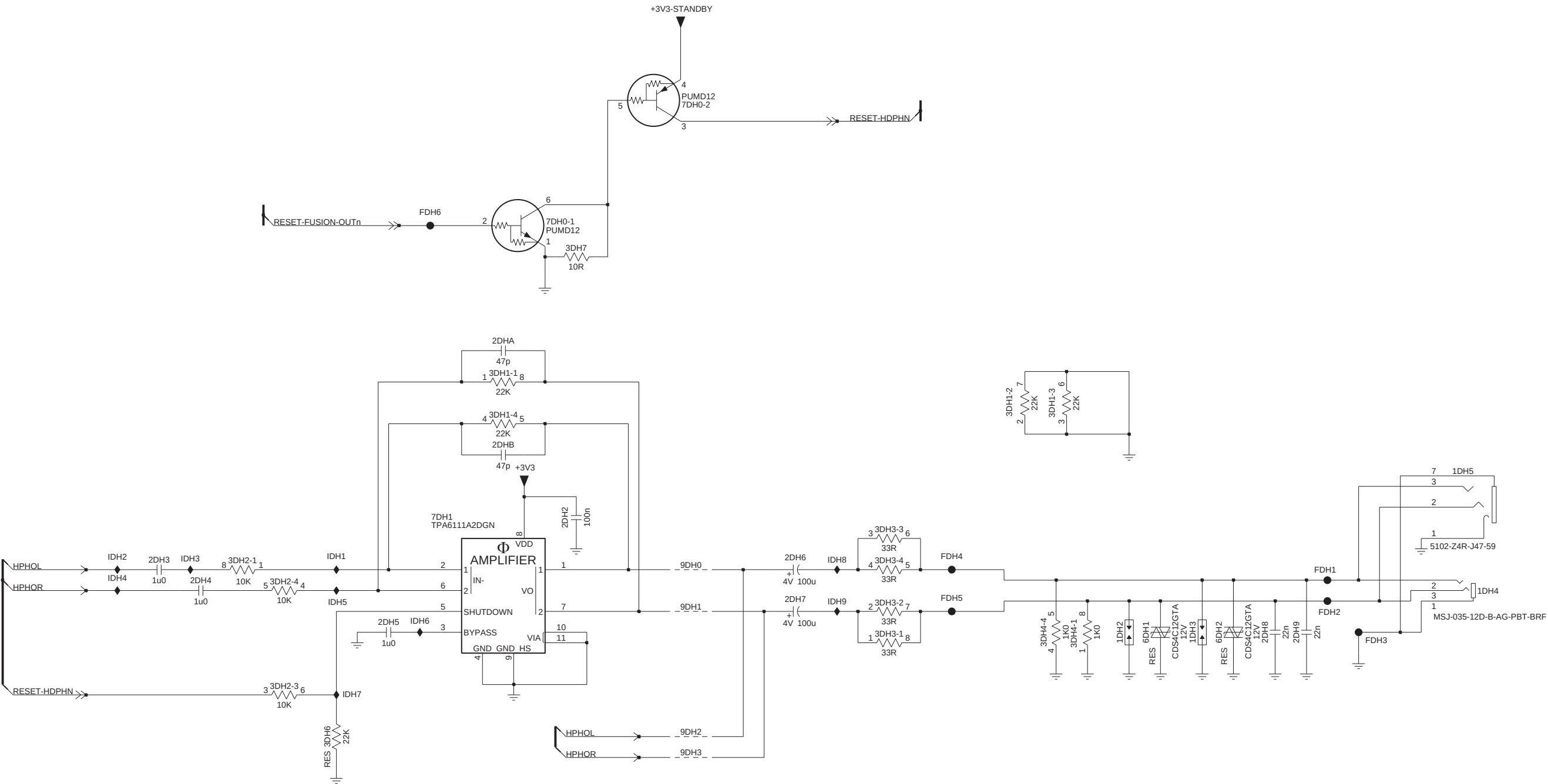
5

2011-12-30

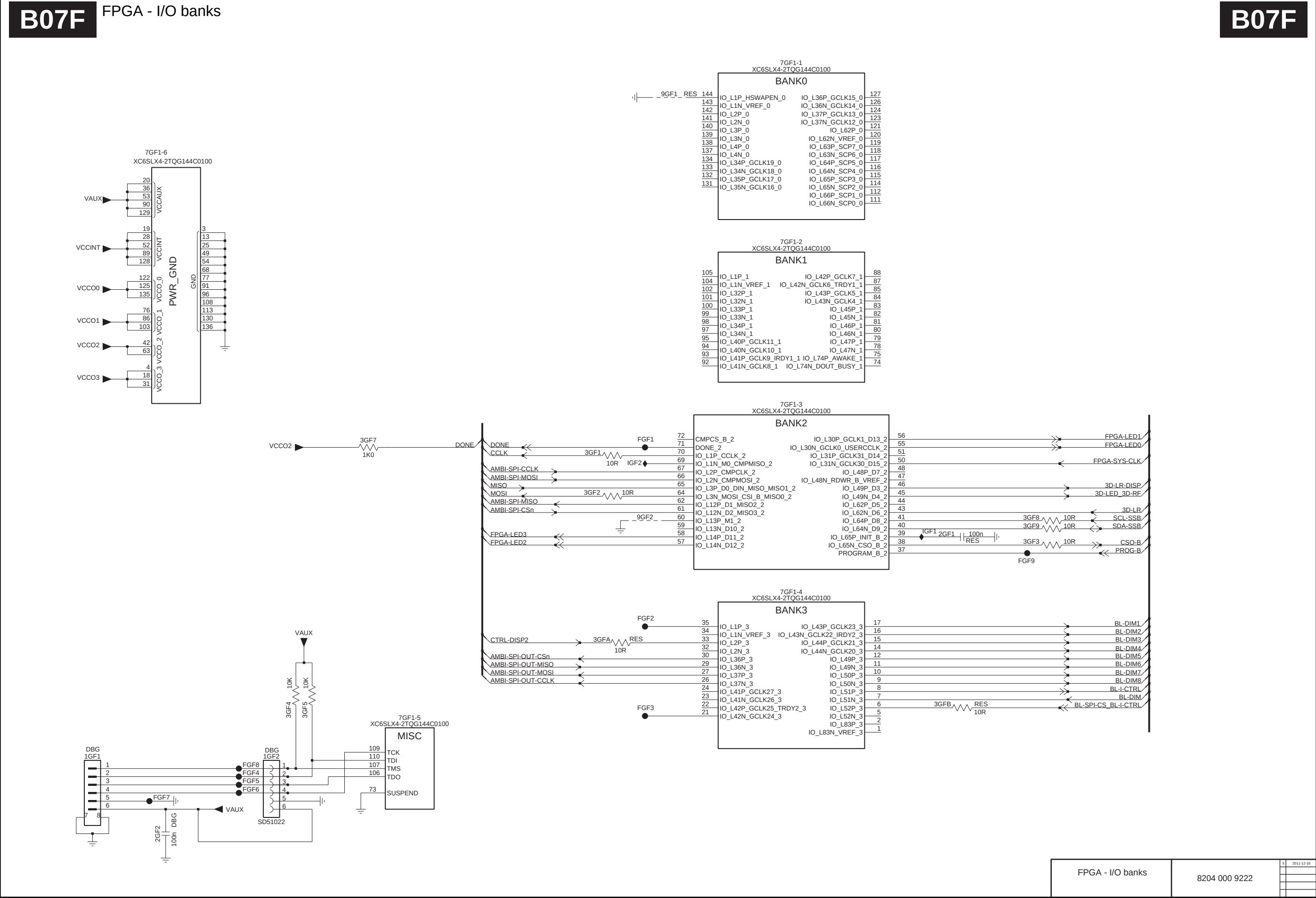
10-4-45 B07B, Headphone

B07B Headphone

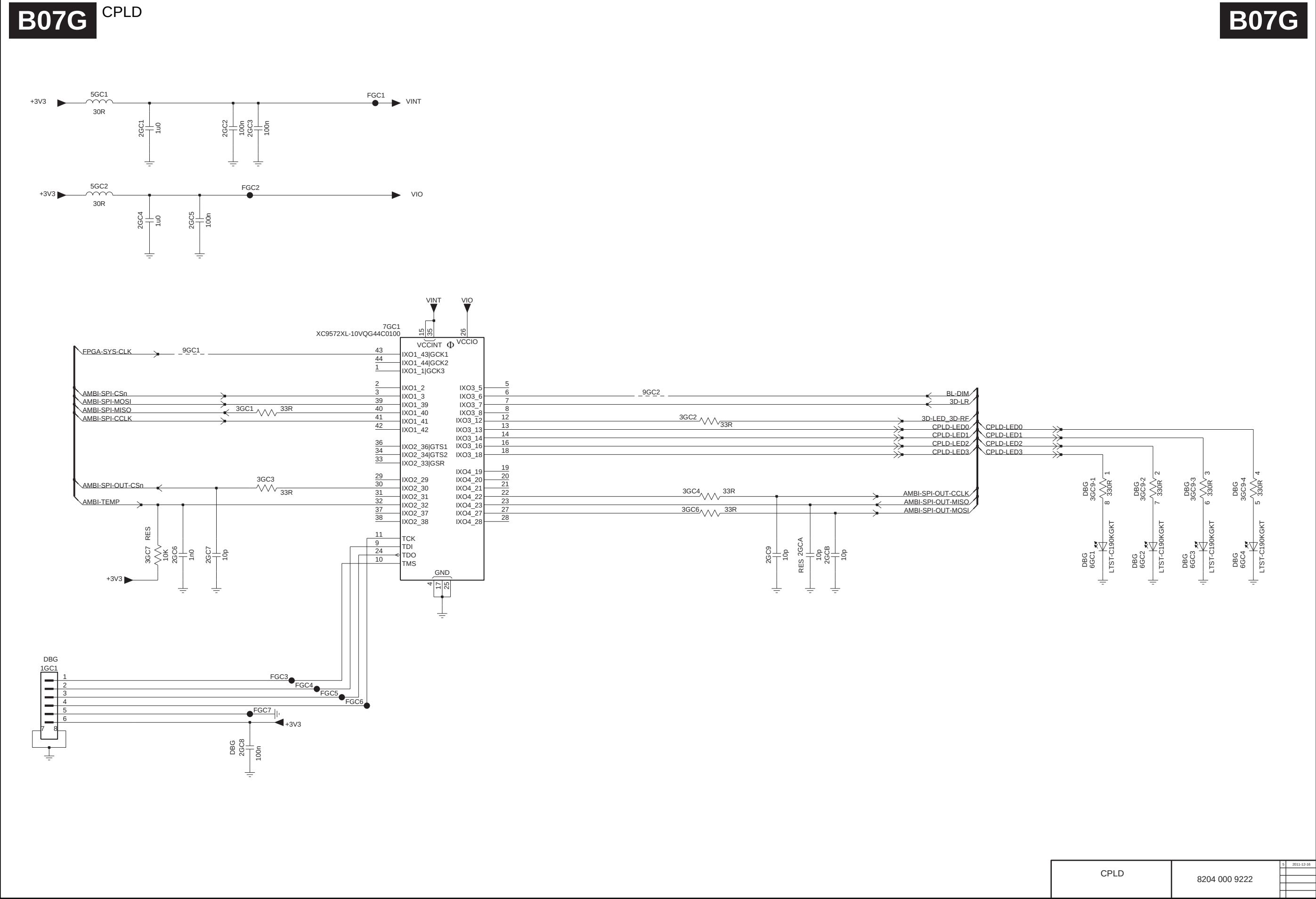
B07B



Headphone	8204 000 9222	5	2011-12-30



10-4-50 B07G, CPLD



CPLD

8204 000 9222

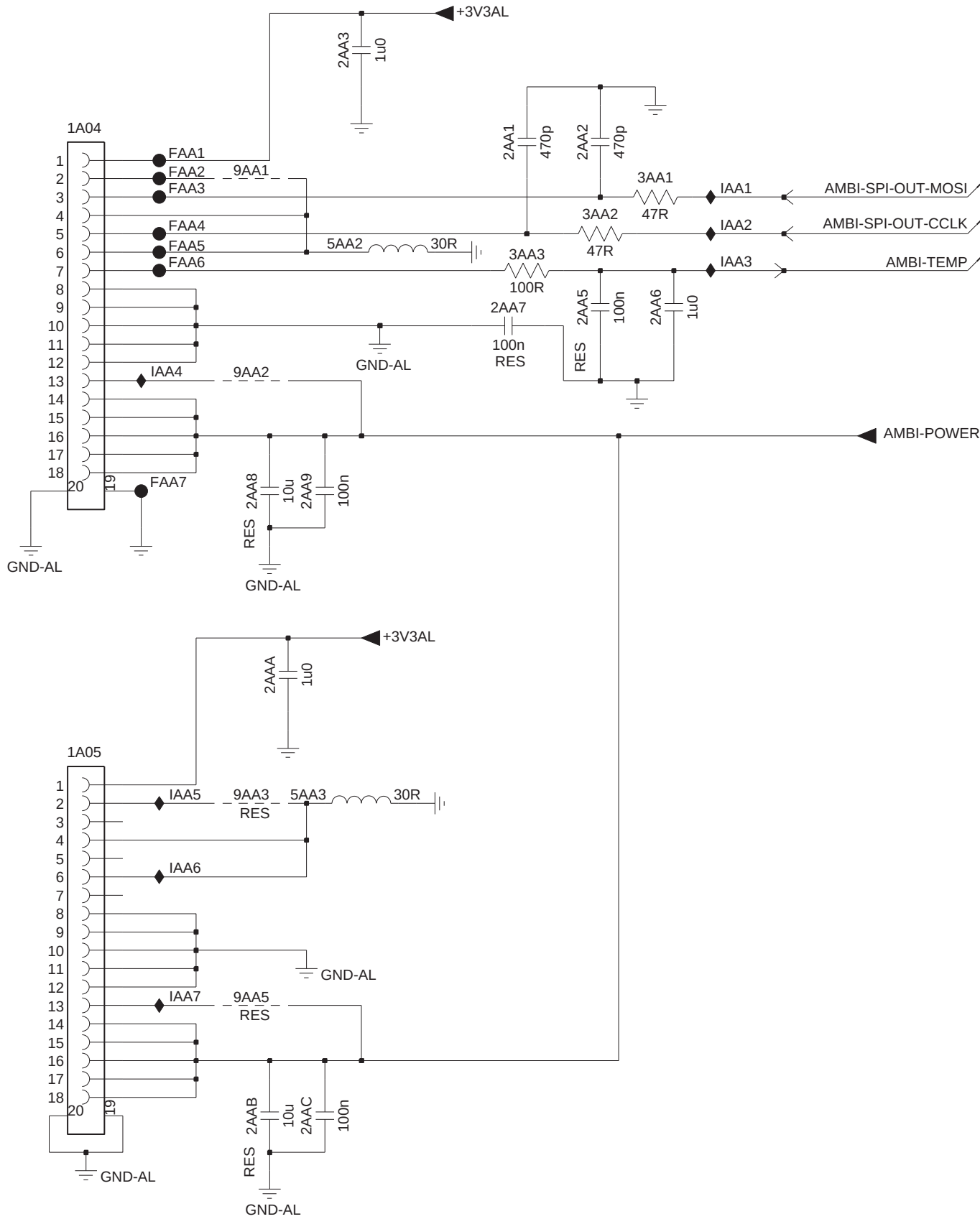
5

2011.12.30

10-4-51 B07H, AmbiLight

B07H AmbiLight

B07H

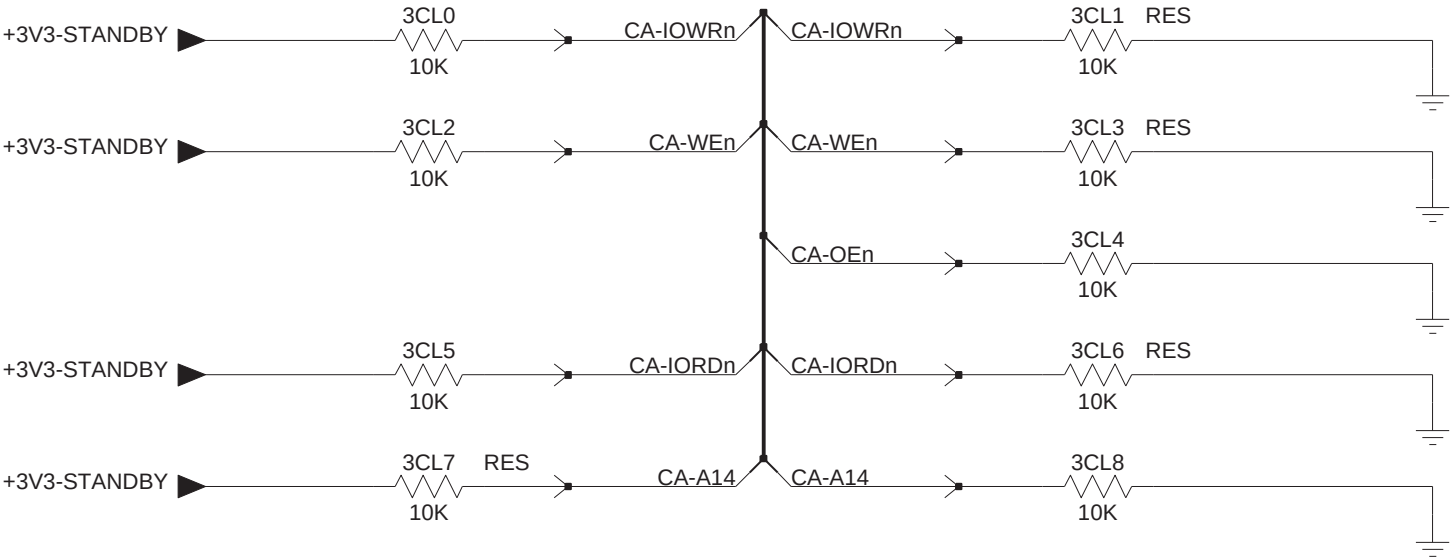


AmbiLight	8204 000 9222	5	2011-12-18

B07I

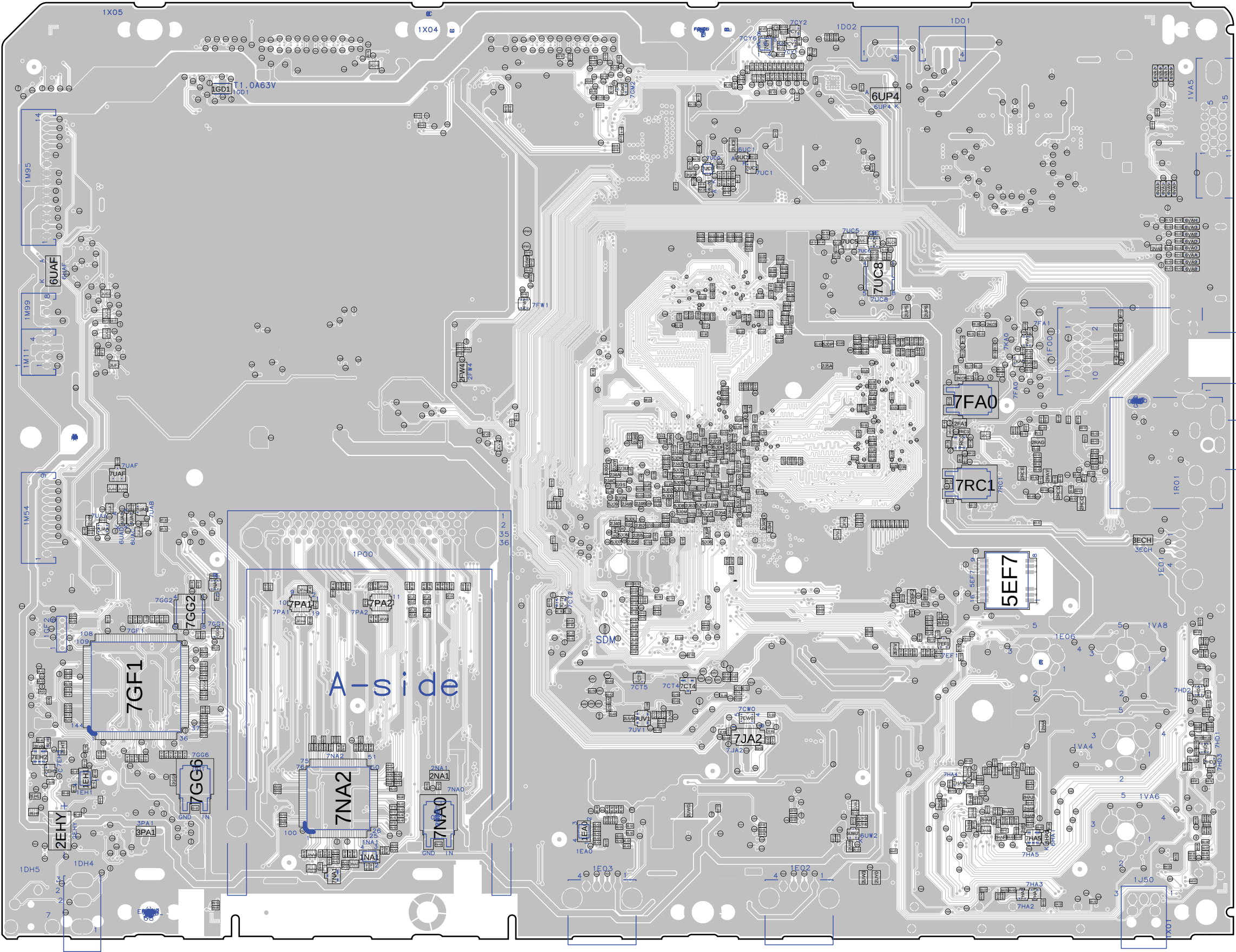
Interconnect

B07I



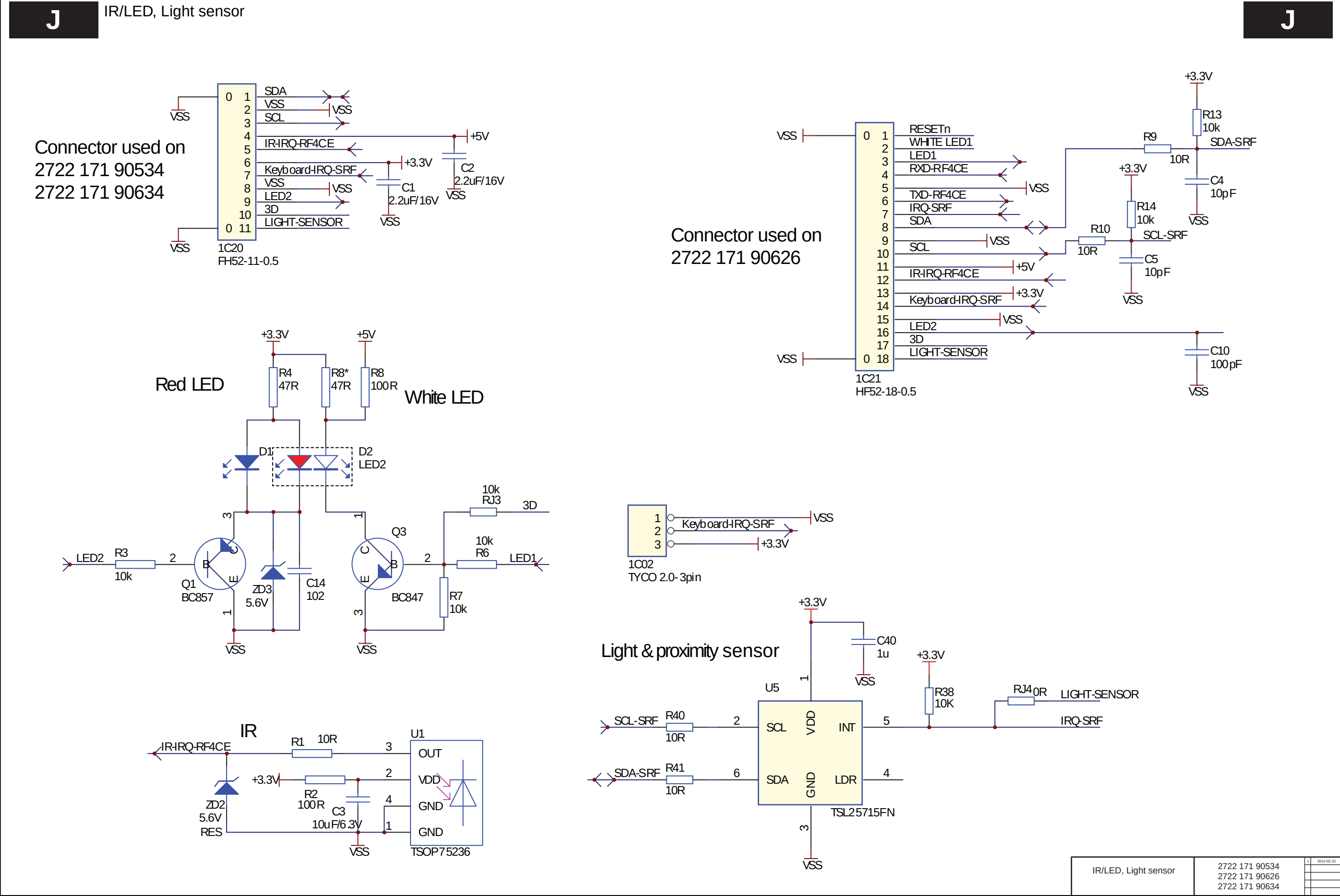
Interconnect	8204 000 9222	5	2011-12-18

10-4-54 Layout bottom



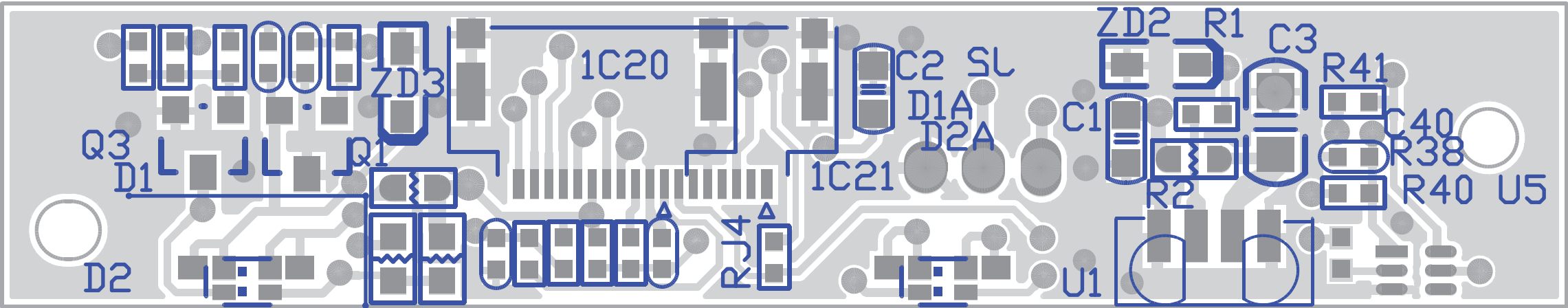
SSB Layout bottom	3104 313 6566	4	2011-12-31

10.5 J 2722171 90534, 90626 & 90634 Sensor board
10-5-1 Sensor board

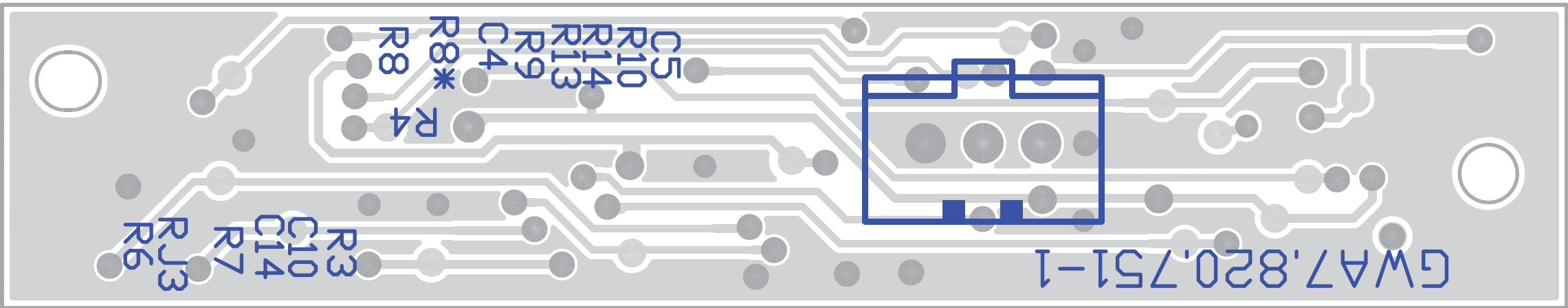


10-5-2 Sensor board layout

Layout top



Layout bottom

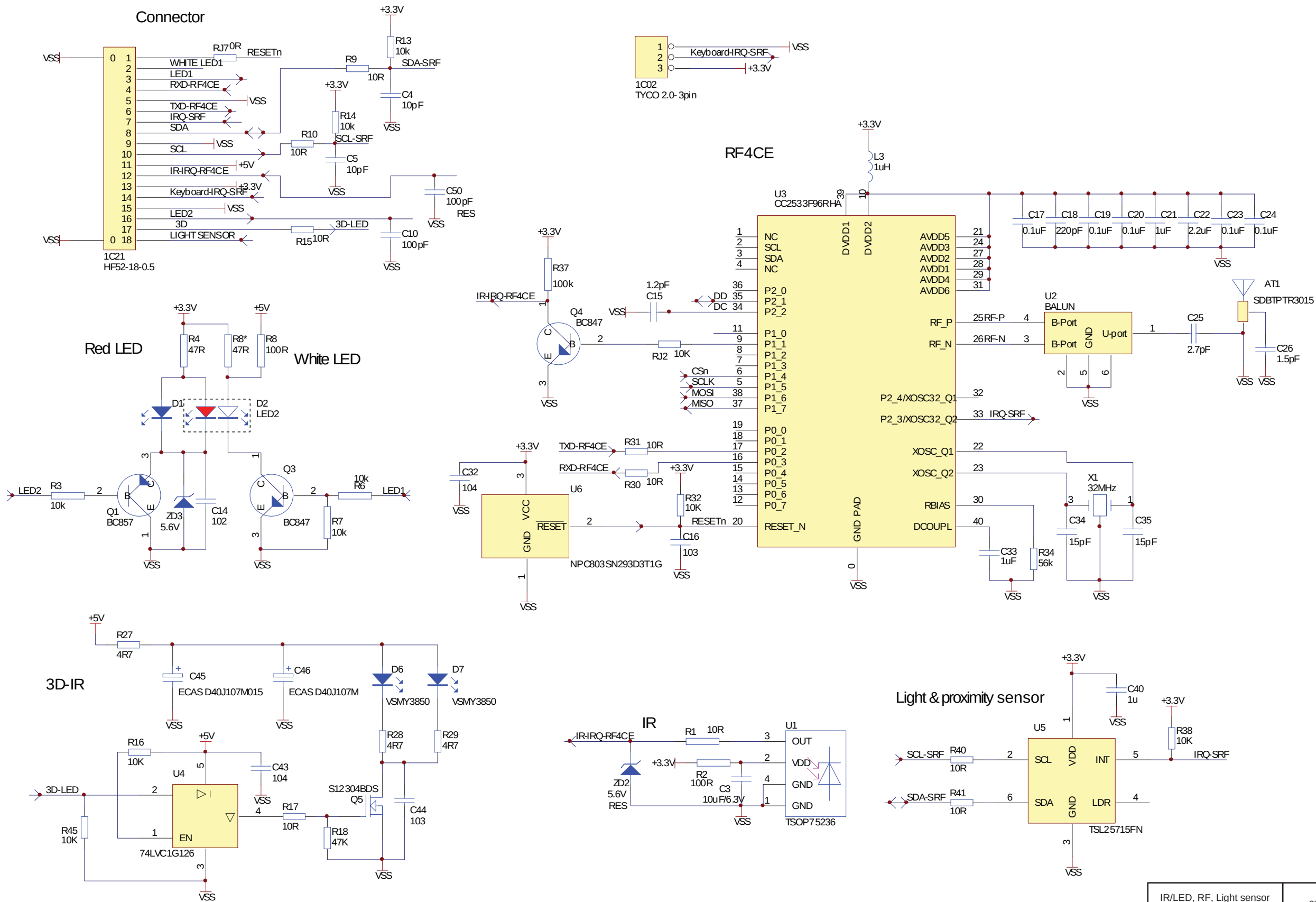


10.6 J 272217190536 Sensor board
10-6-1 Sensor board

J

IR/LED, RF, Light sensor

J



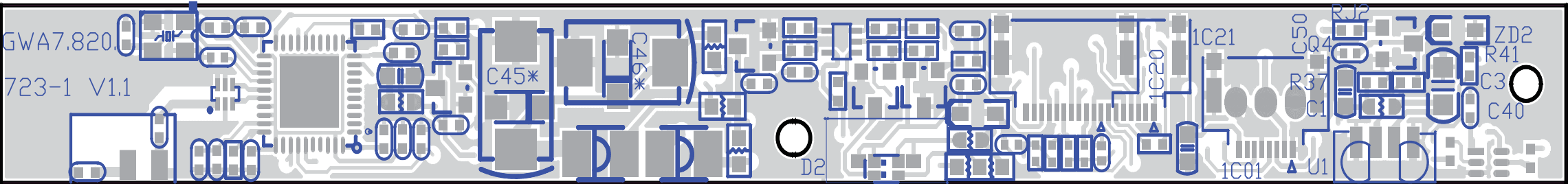
IR/LED, RF, Light sensor

2722 171 90536

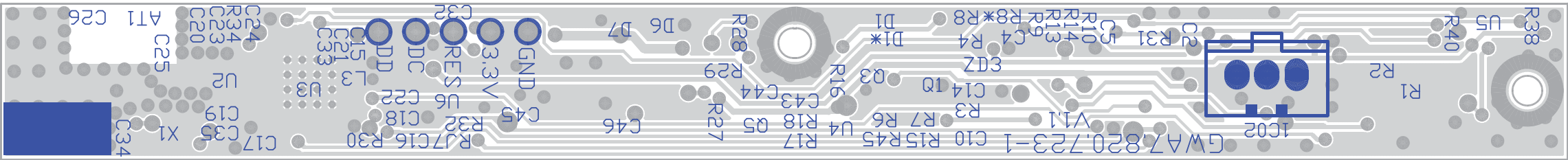
1	2012-02-22

10-6-2 Sensor board layout

Layout top



Layout bottom



Layout	2722 171 90536	1	2012-02-22

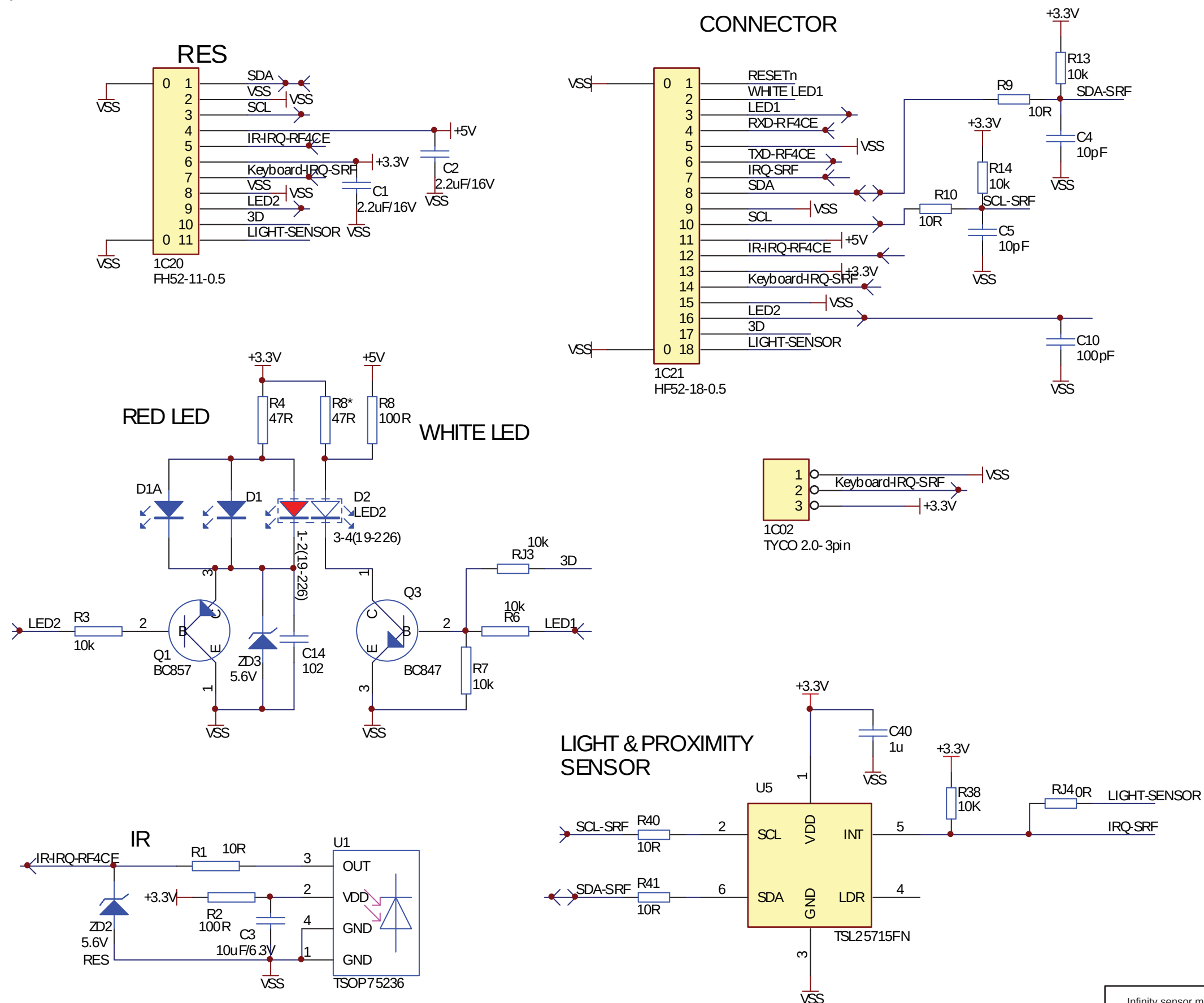
10.7 J 272217190632 Infinity sensor module

10-7-1 Infinity sensor module

J

Infinity sensor module

J



Infinity sensor module

2722 171 90632

1	2012-09-22

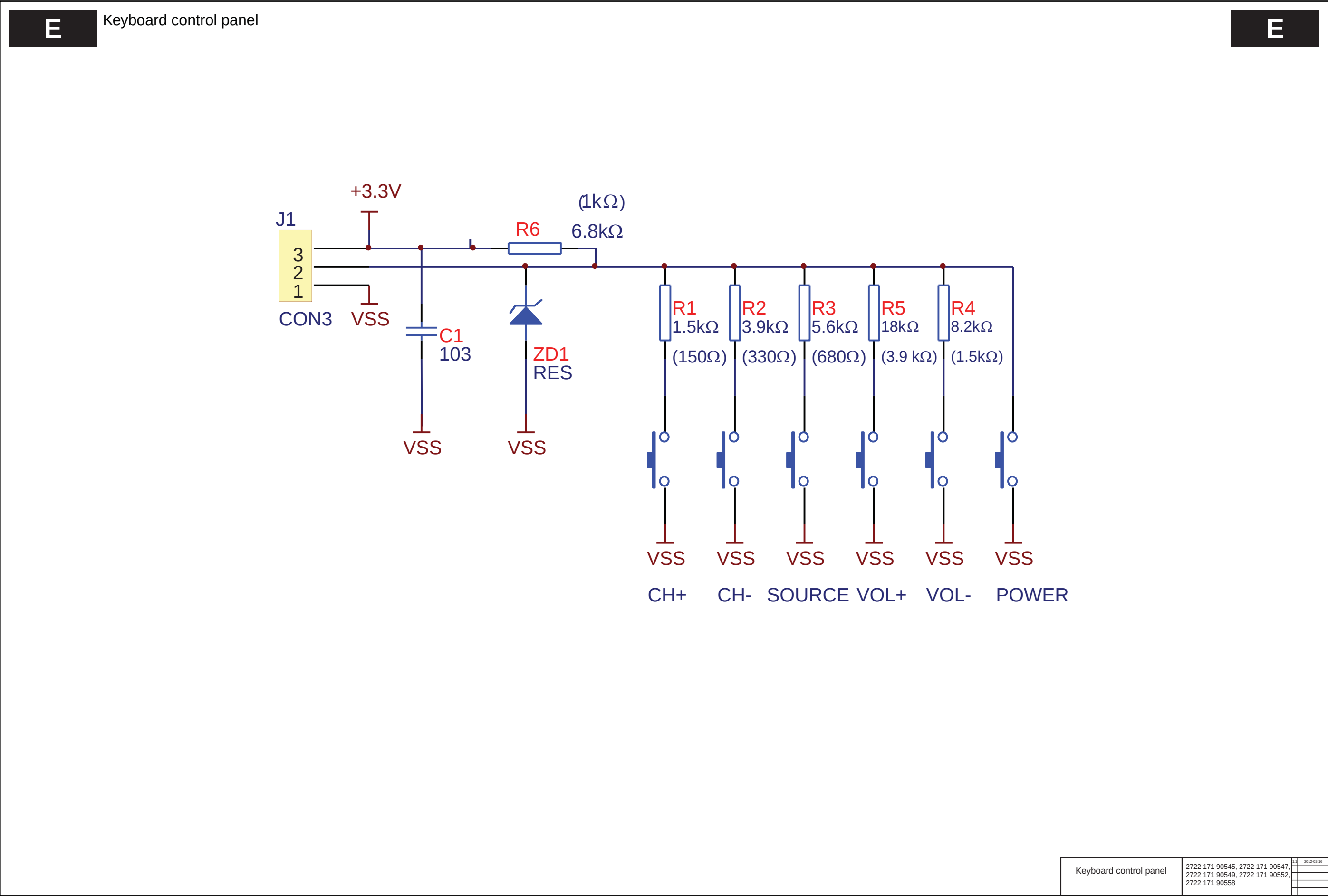
19282_002_120919.eps
120919

10.8

E 2722171 90545, 90547, 90549, 90552, 90558 Keyboard control panel

10-8-1

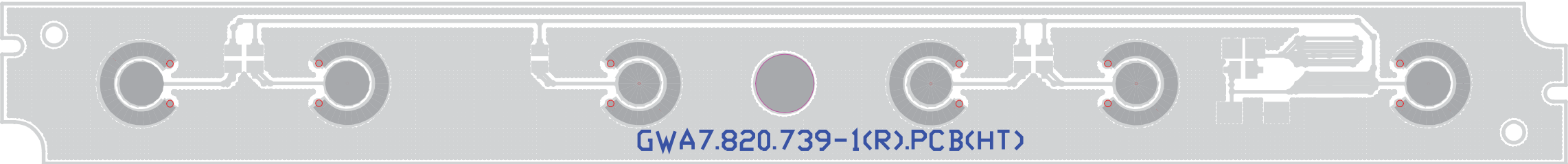
Keyboard control panel



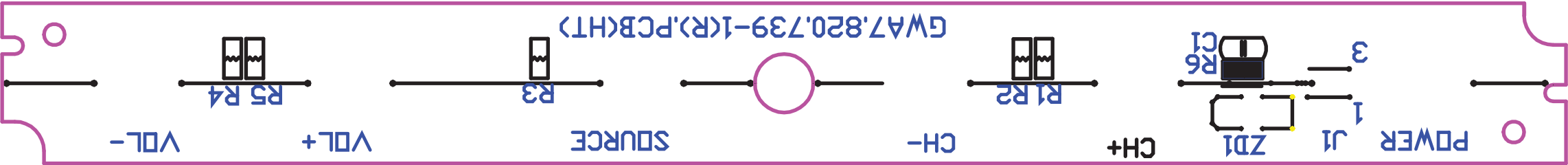
Keyboard control panel	2722 171 90545, 2722 171 90547	1.1	2012-02-08
	2722 171 90549, 2722 171 90552		
	2722 171 90558		

10-8-2 Keyboard control panel layout

Layout top

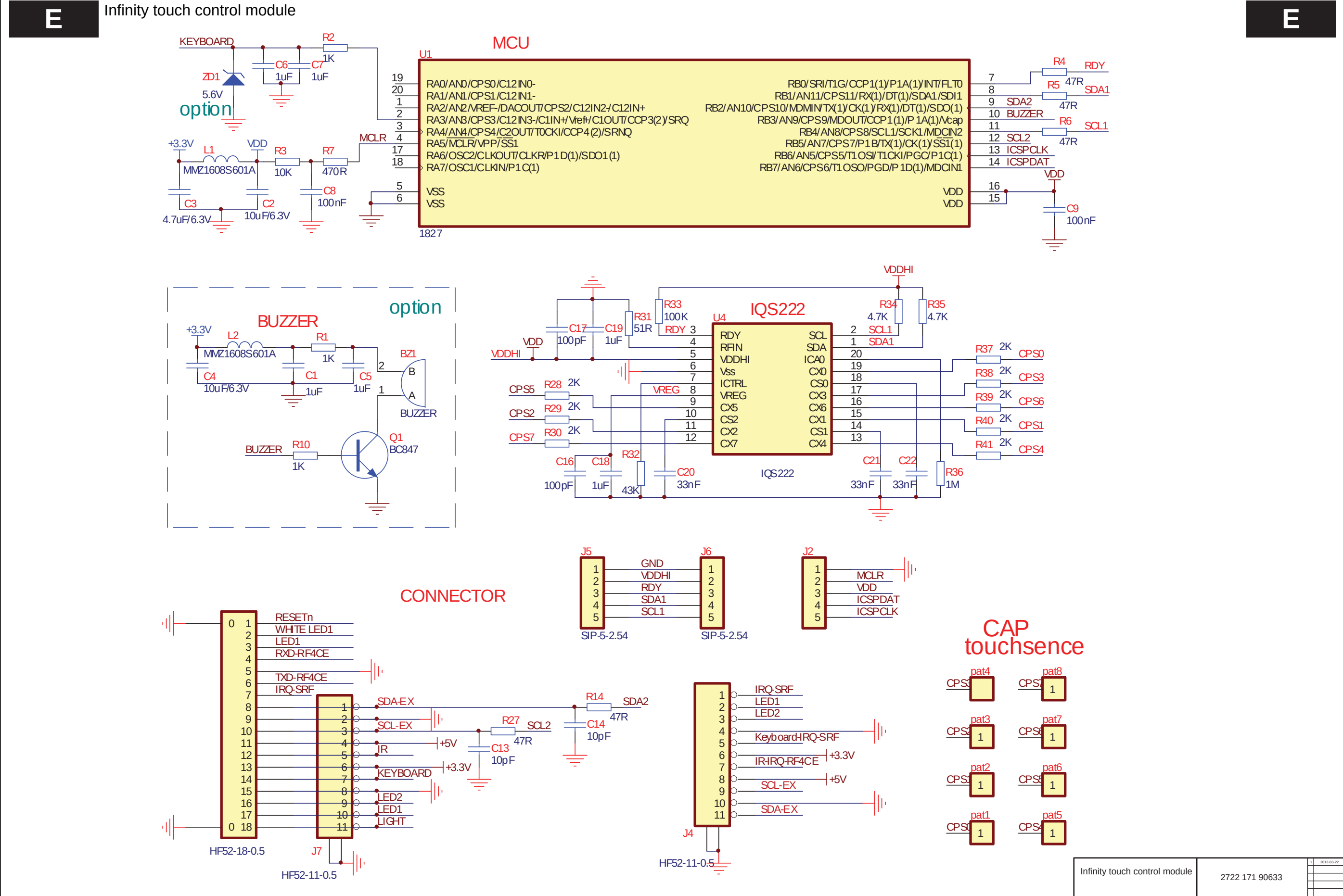


Layout bottom



Layout	2722 171 90545, 2722 171 90547,	1.1	2012-02-18
	2722 171 90549, 2722 171 90552,		
	2722 171 90558		

10.9 E 272217190633 Infinity touch control module
10-9-1 Touch control module



10.10 E 272217190735 Keyboard control panel
10-10-1 Keyboard control panel

