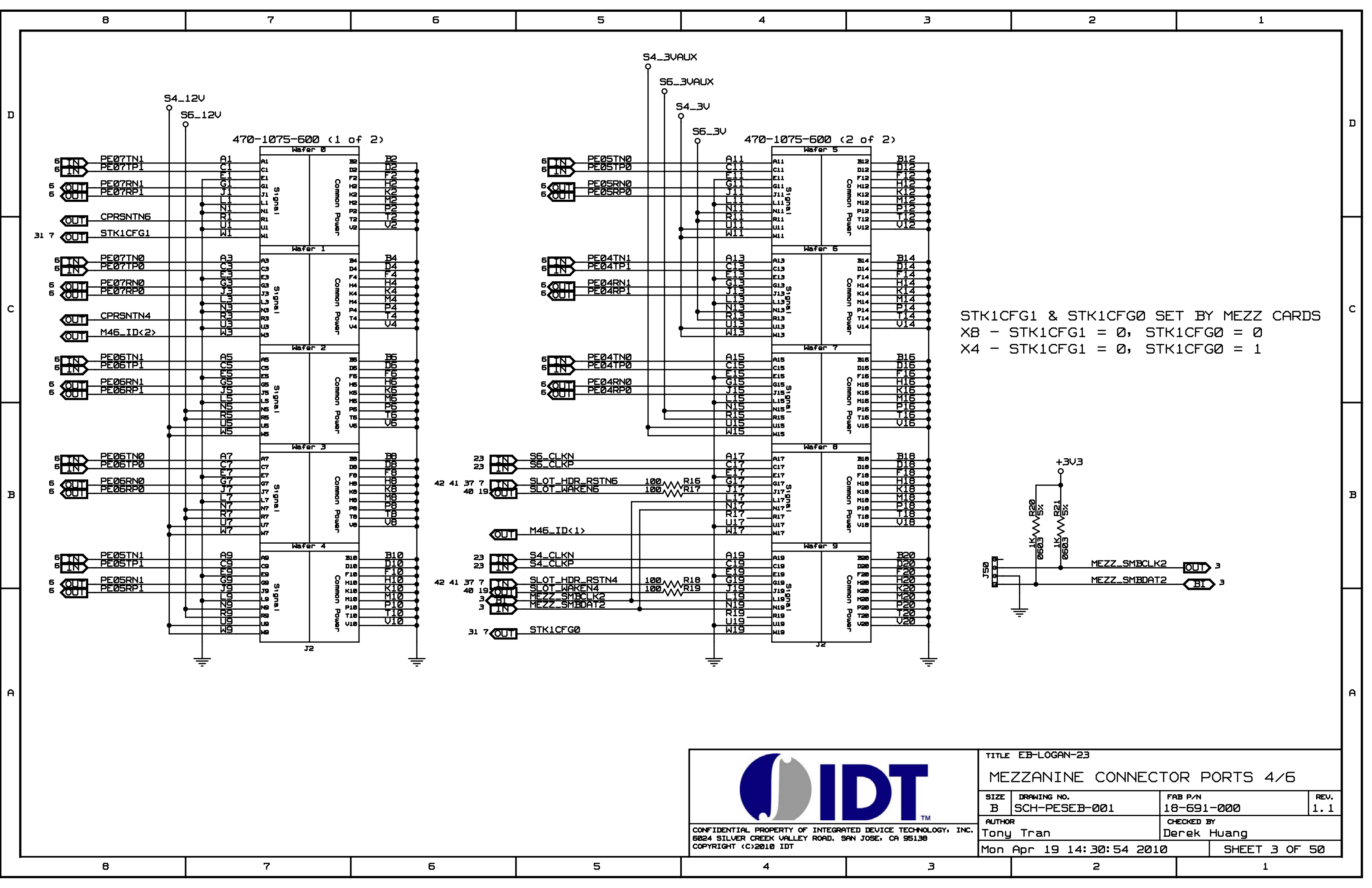


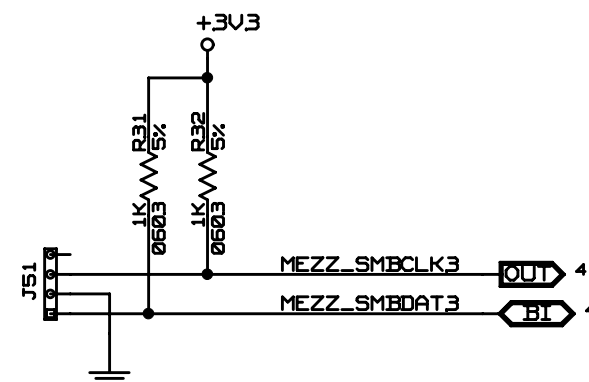
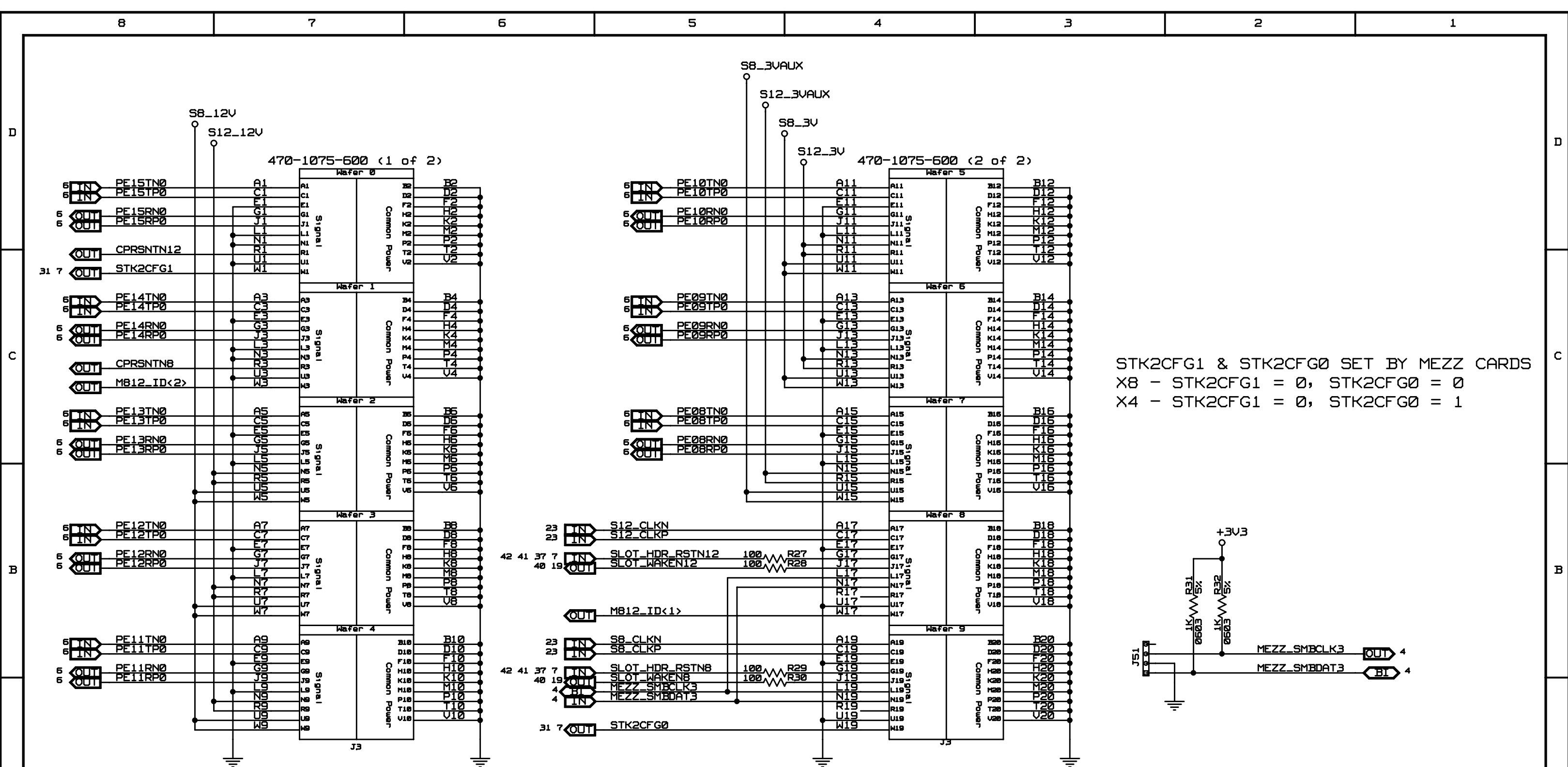
REVISIONS				
DCN	REV	DESCRIPTION	DATE	CHANGE BY
	1.0	INITIAL RELEASE	2009-12-05	T. TRAN

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		TITLE EB-LOGAN-23		
		SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000
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		Mon Apr 19 14:29:53 2010		SHEET 1 OF 50



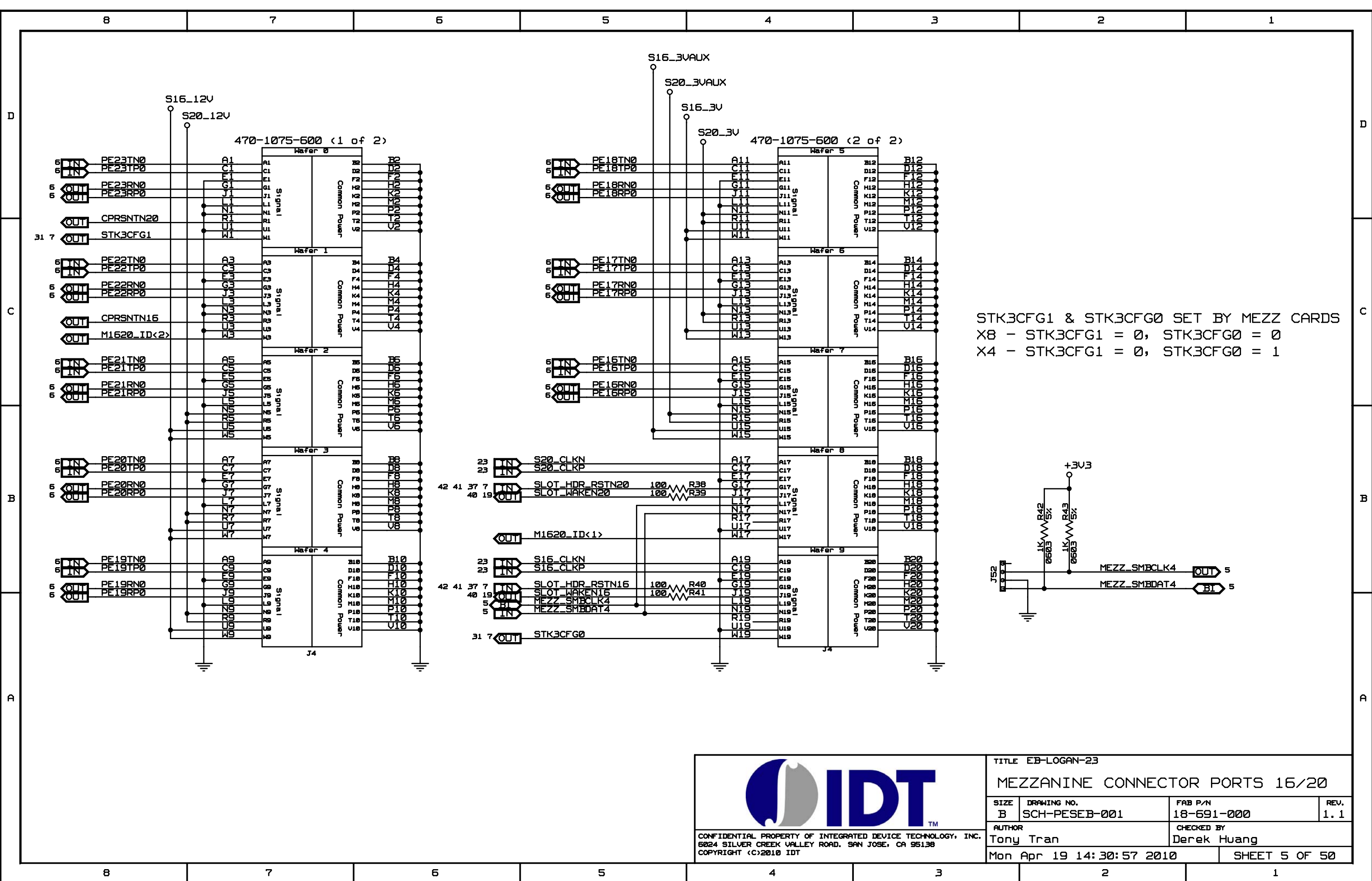


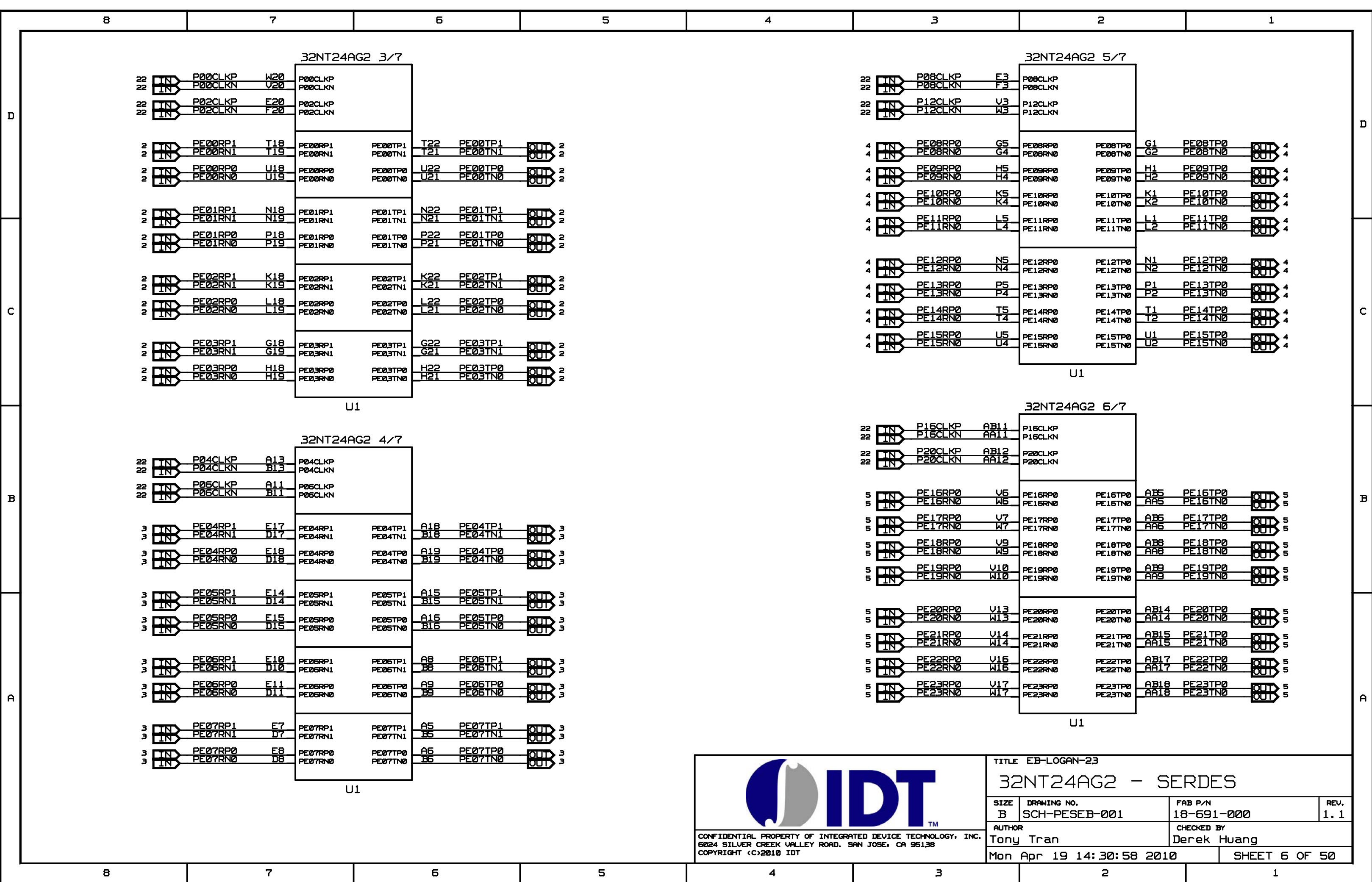
STK2CFG1 & STK2CFG0 SET BY MEZZ CARDS
X8 - STK2CFG1 = 0, STK2CFG0 = 0
X4 - STK2CFG1 = 0, STK2CFG0 = 1

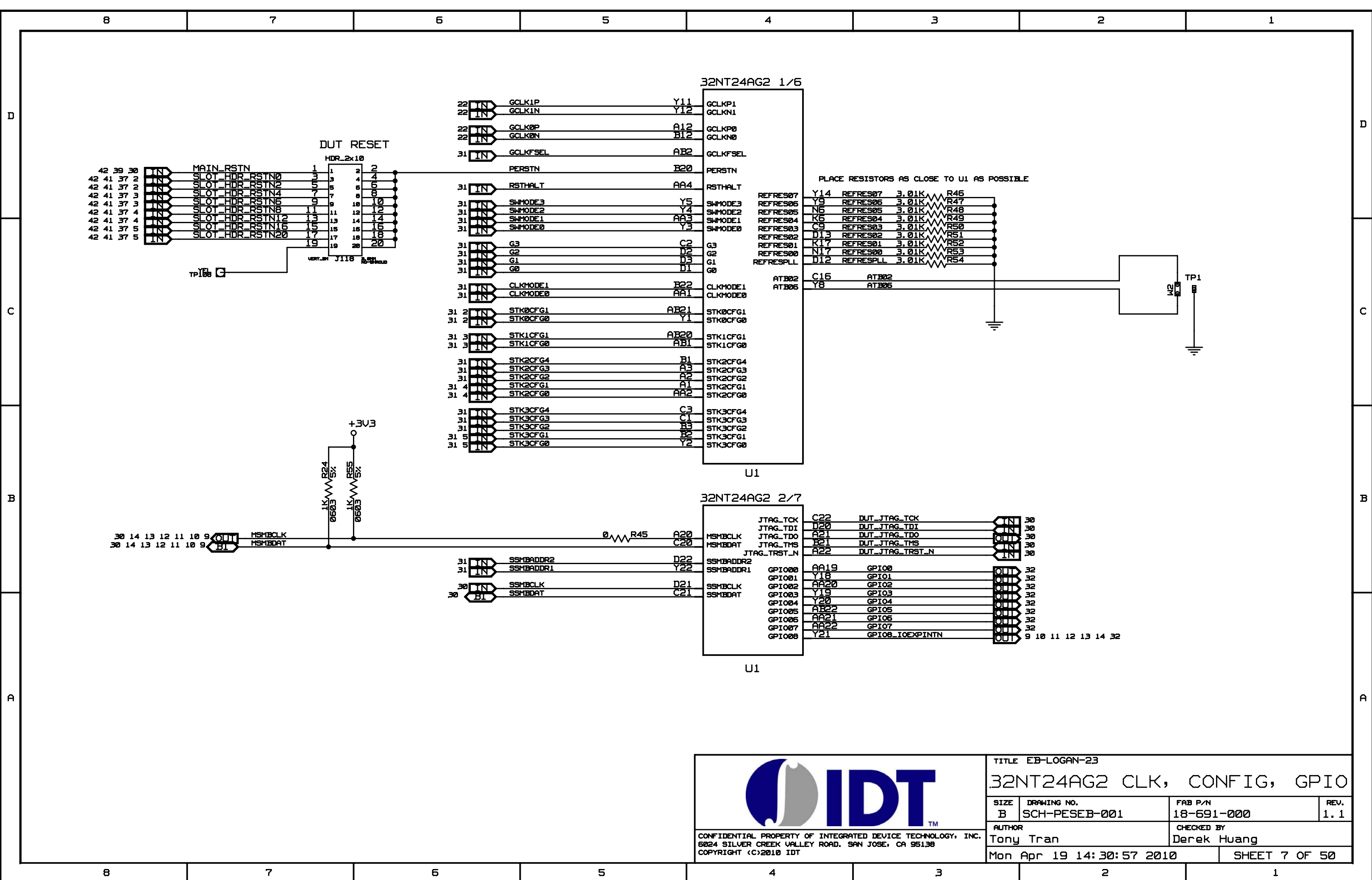


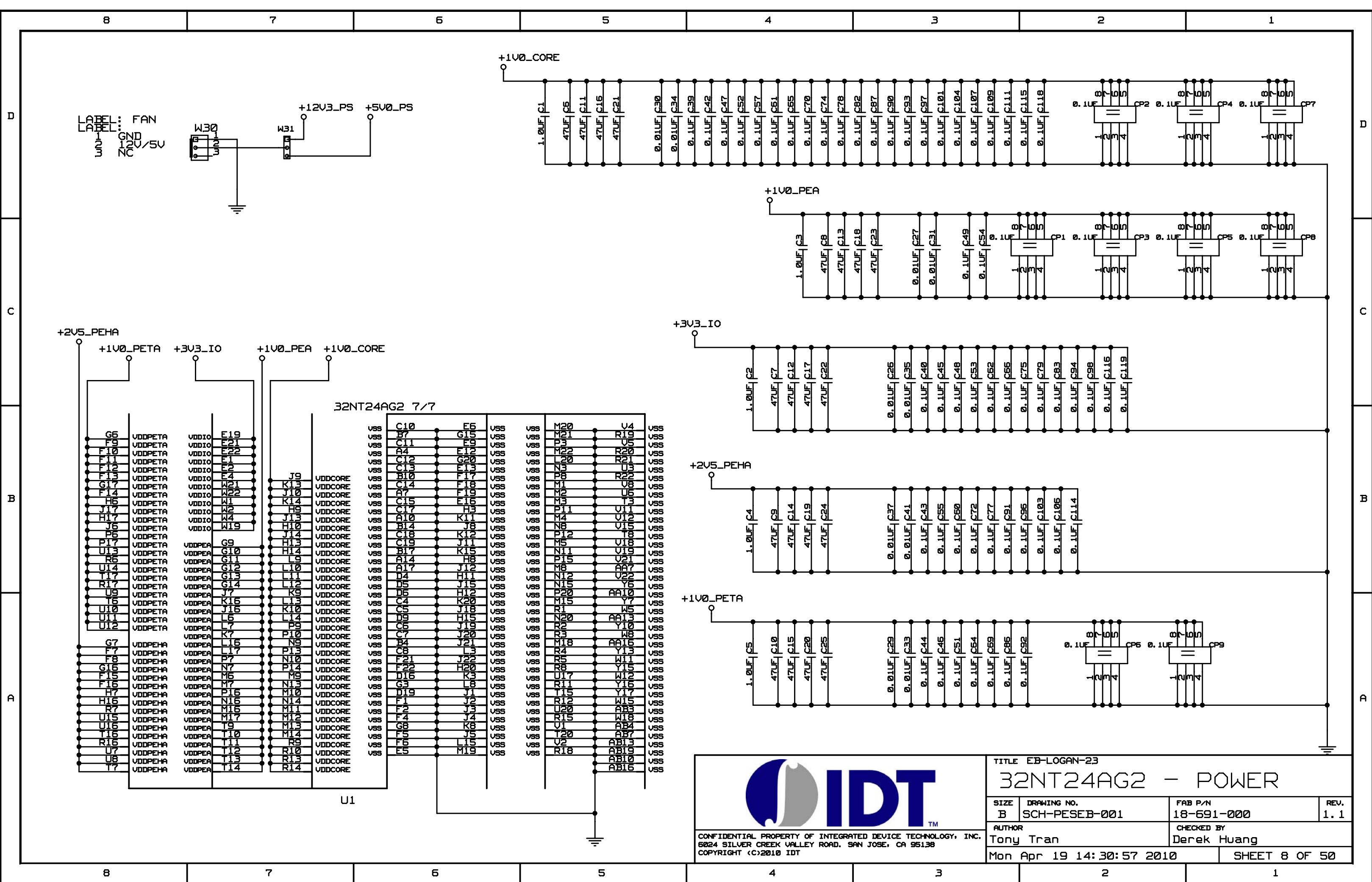
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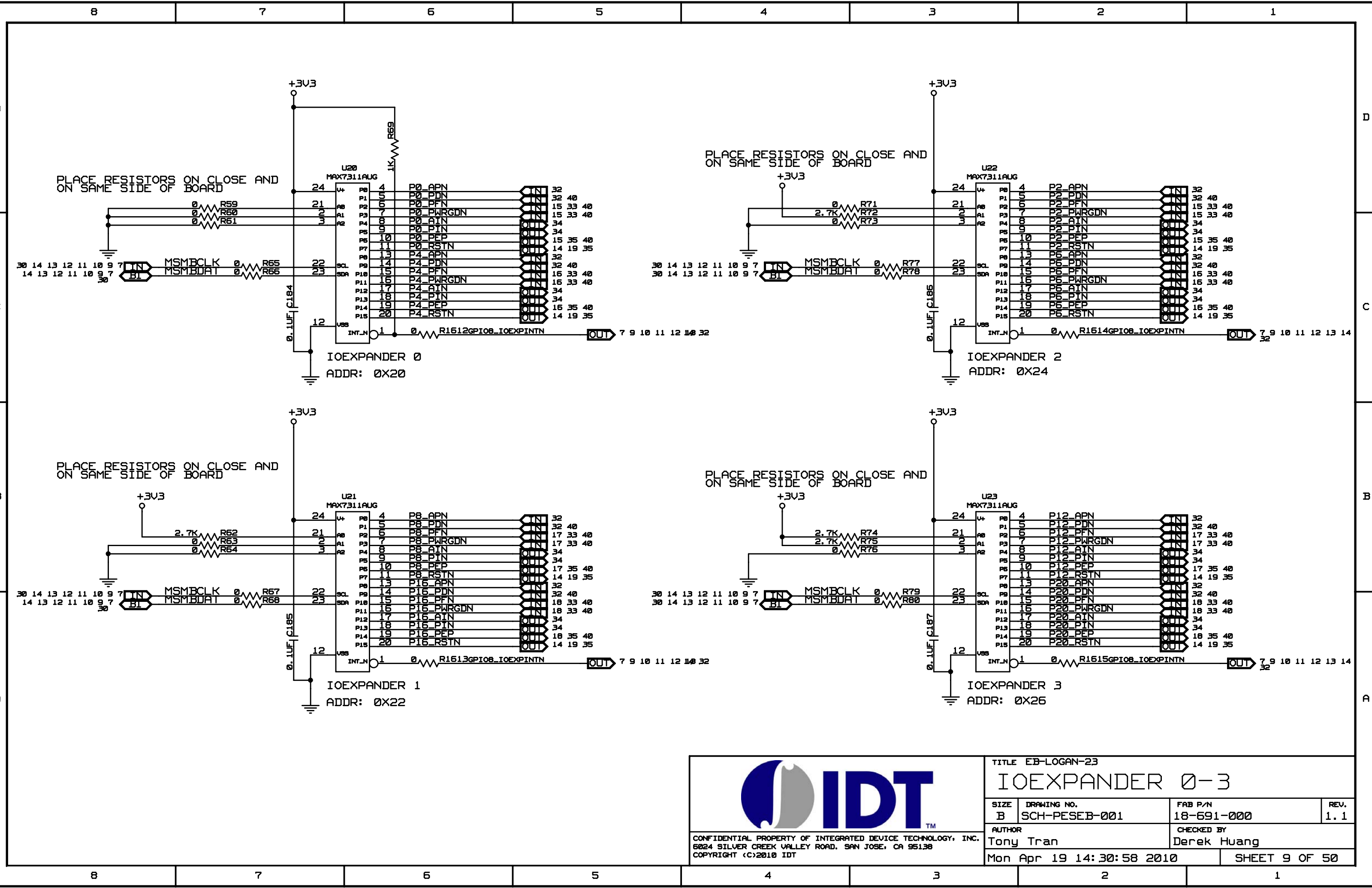
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MEZZANINE CONNECTOR PORTS 8/12			
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
AUTHOR Tony Tran		CHECKED BY Derek Huang	
Mon Apr 19 14:30:56 2010		SHEET 4 OF 50	

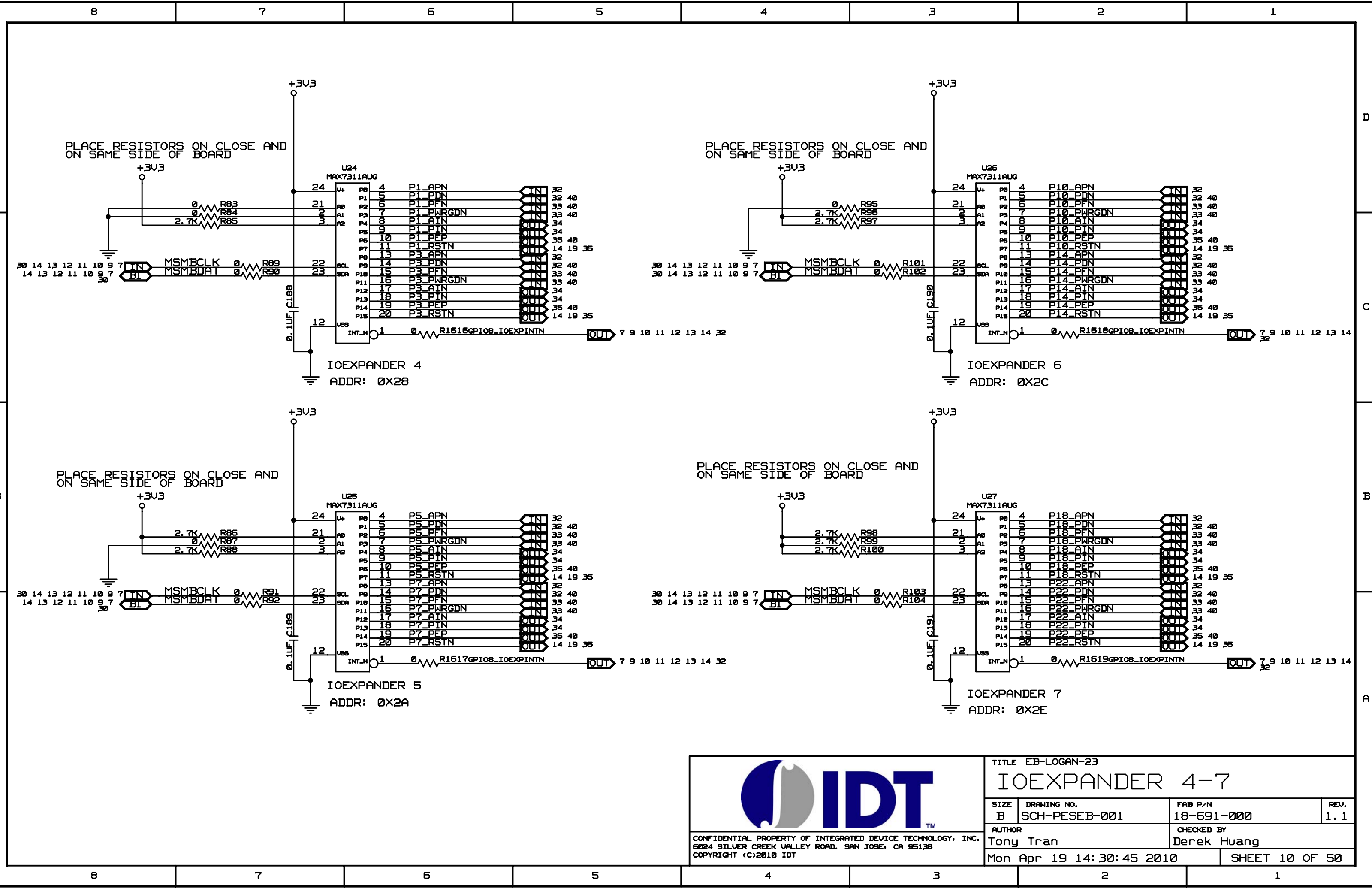








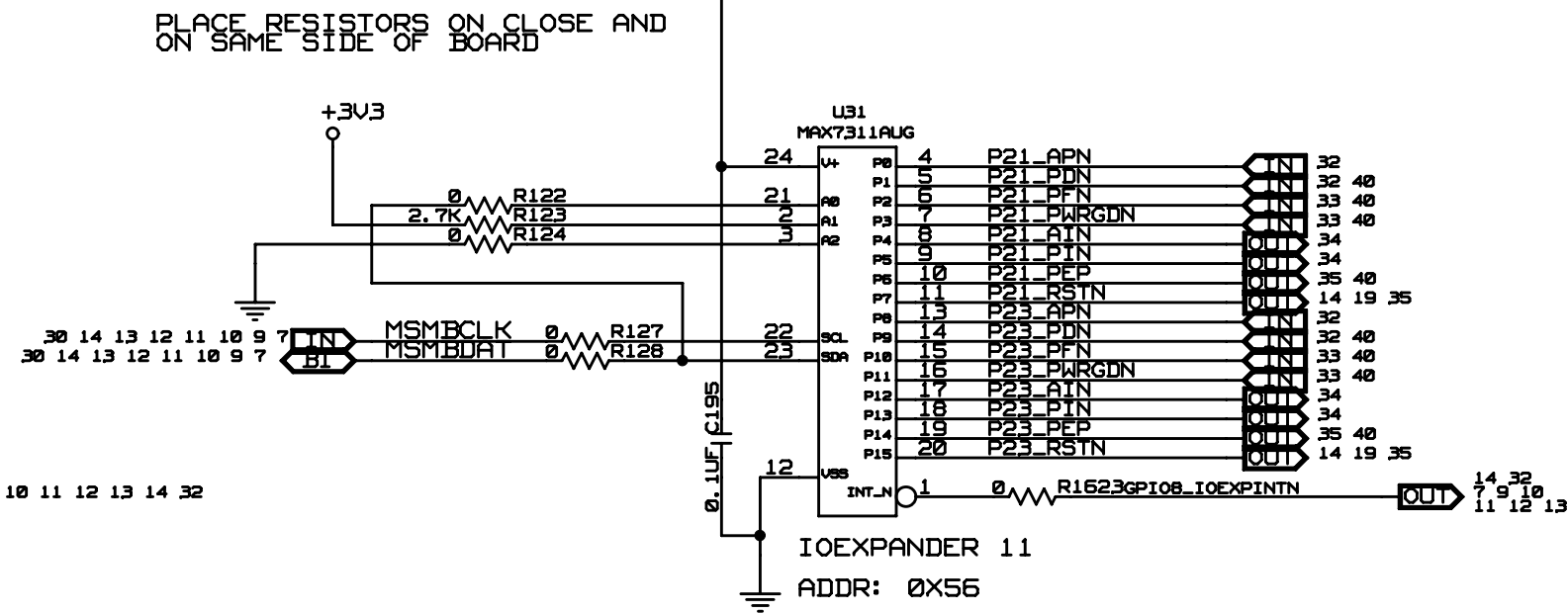
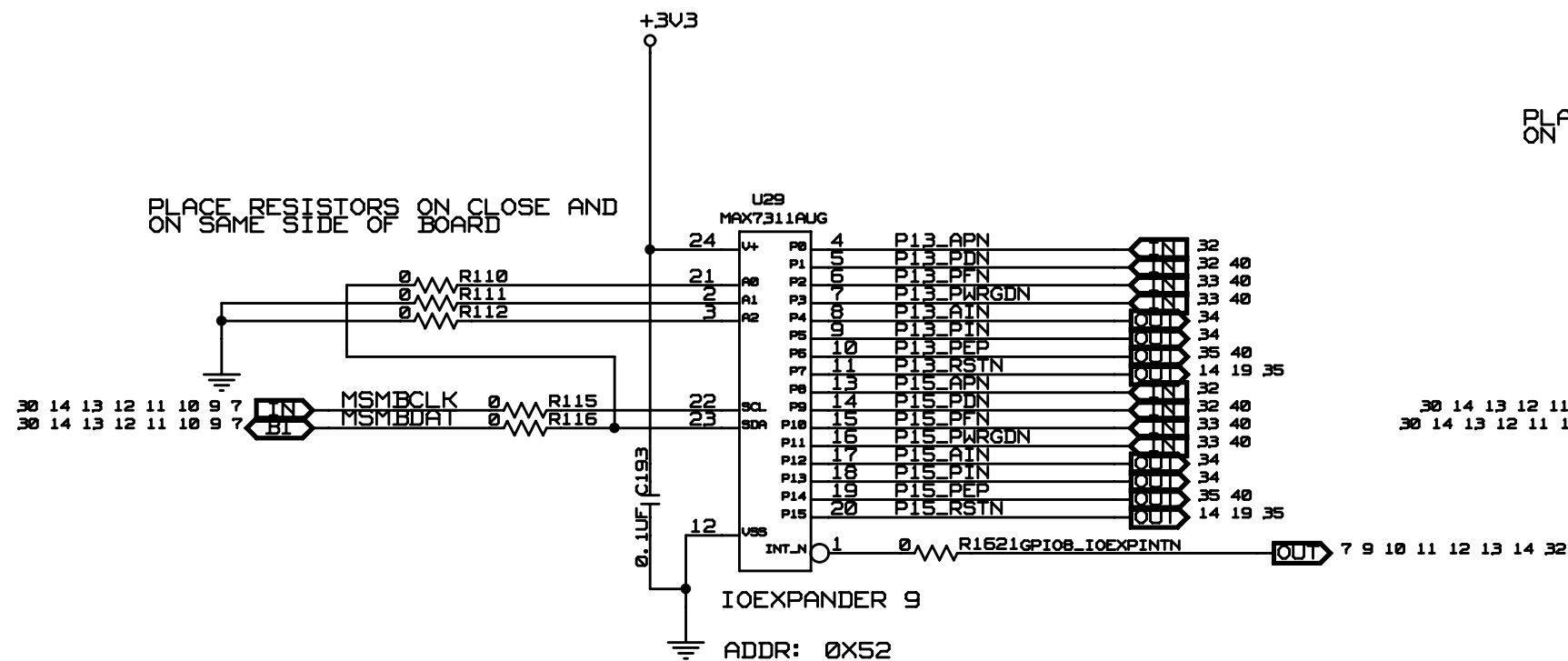
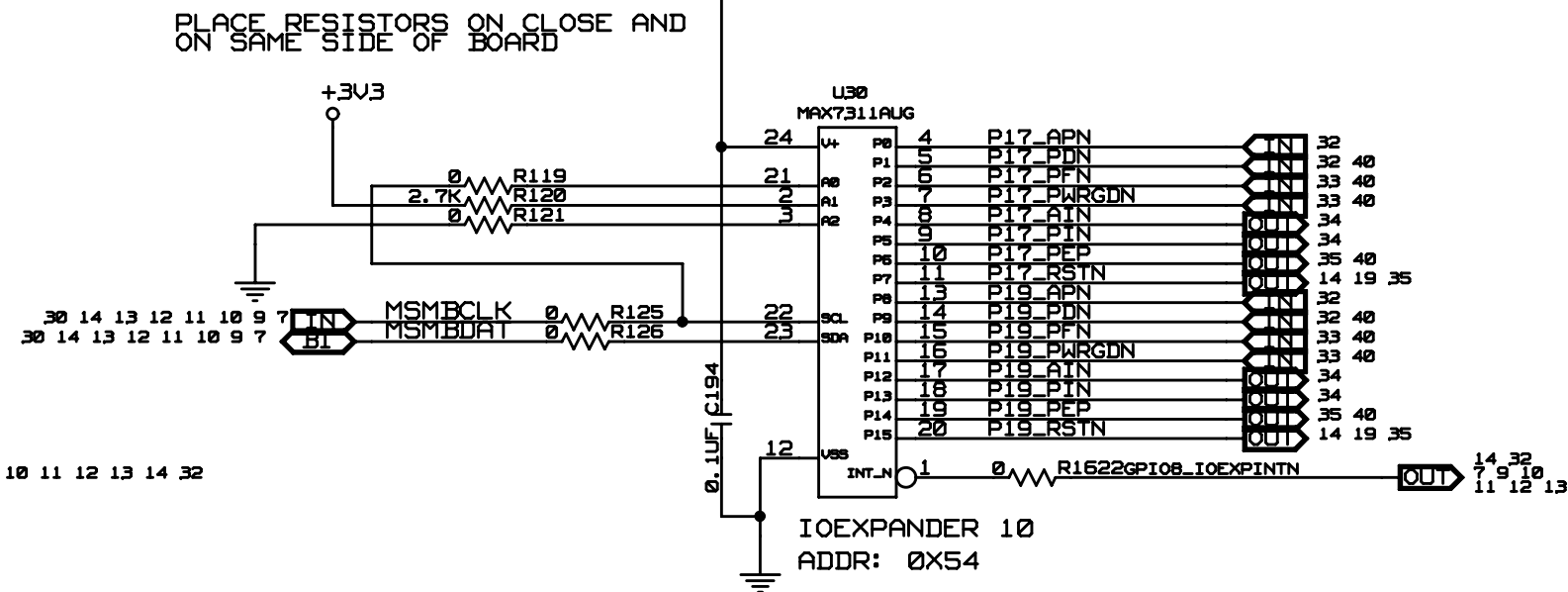
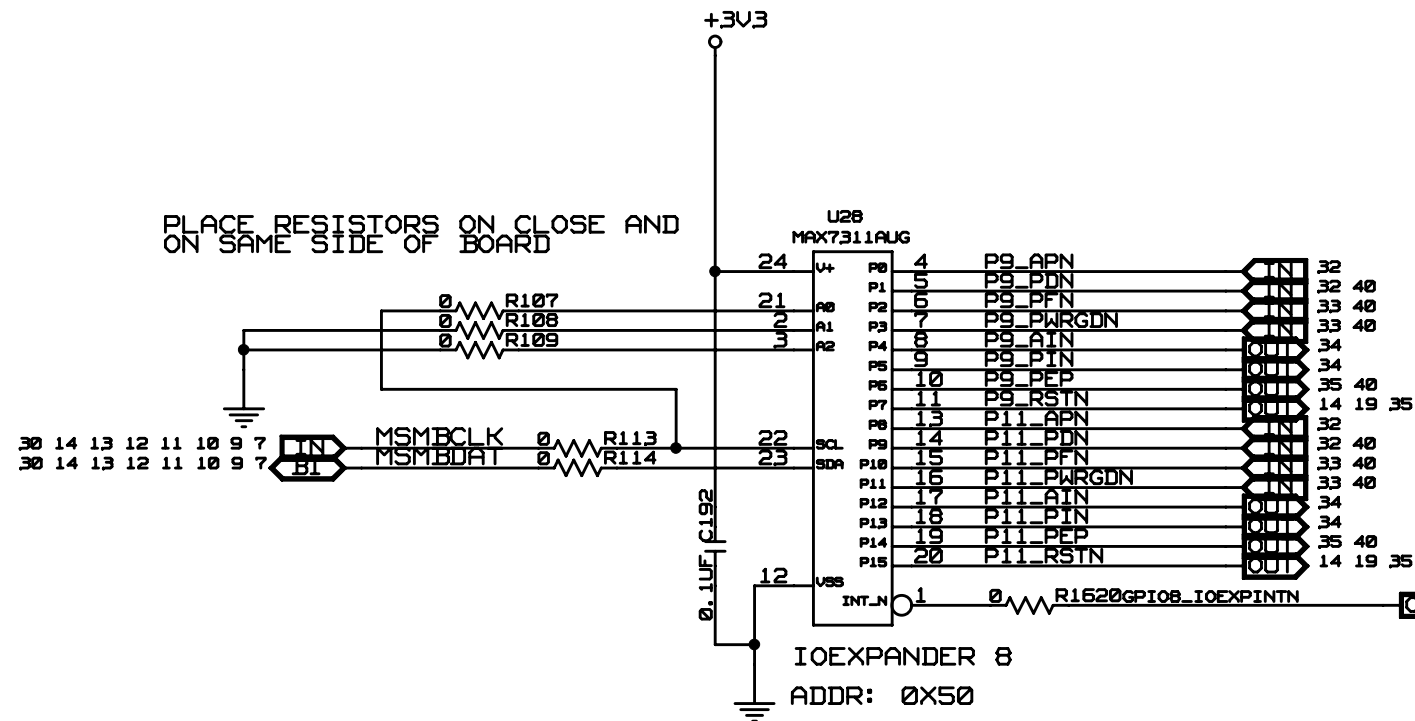






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TITLE EB-LOGAN-23			
IOEXPANDER 4-7			
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TITLE E06b0G0H+23ation Board

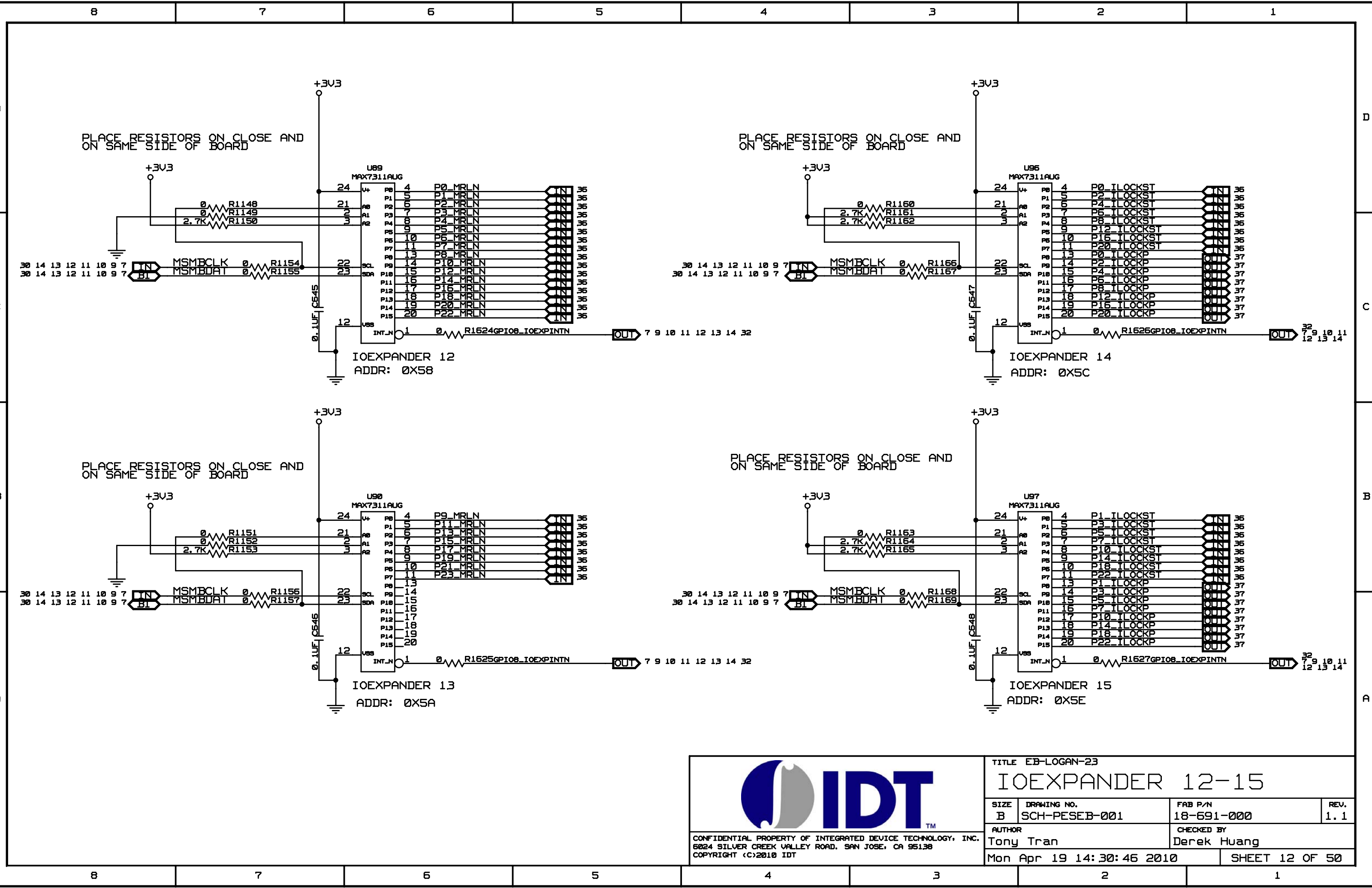
IOEXPANDER 8-11

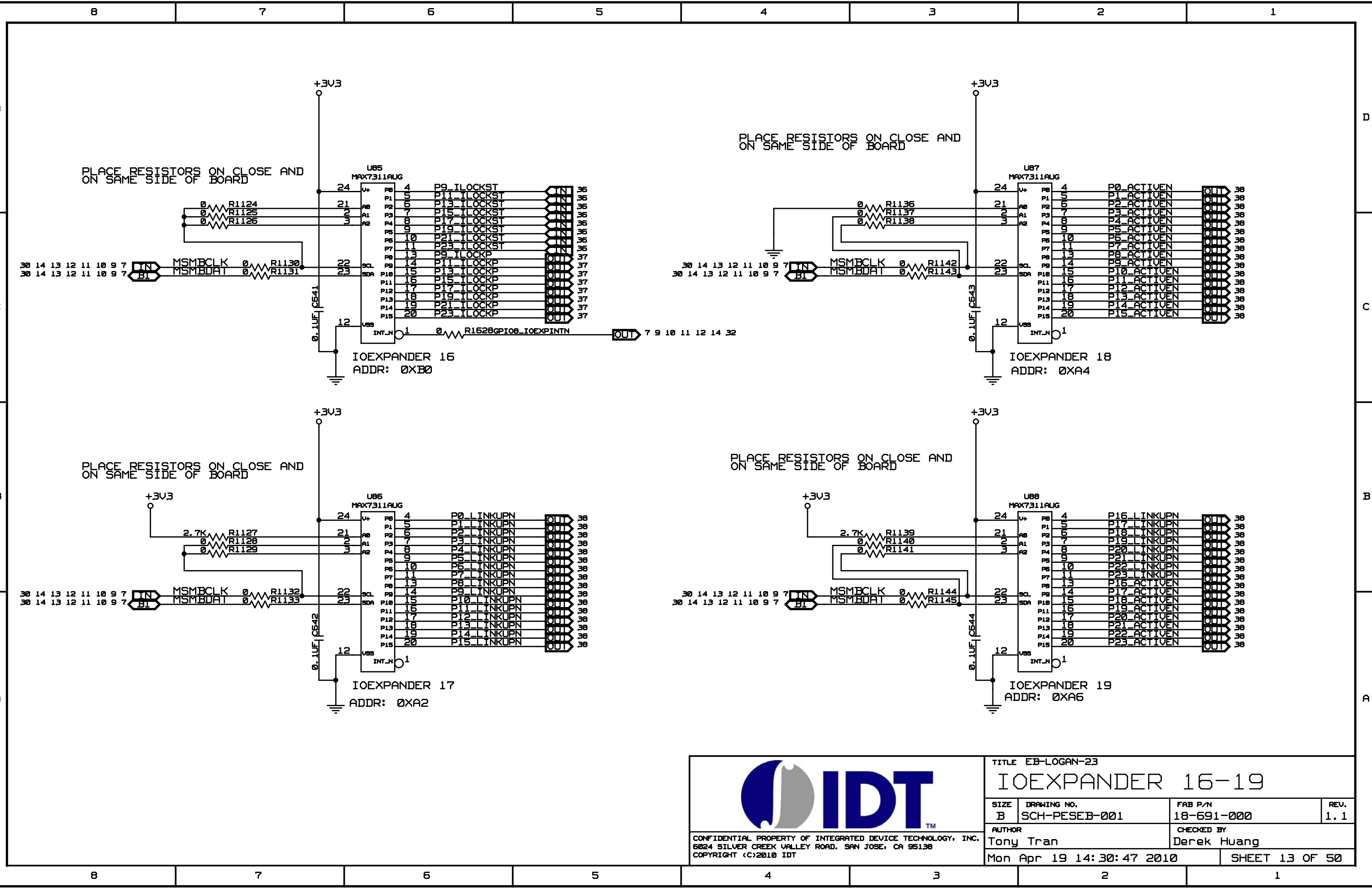
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.0
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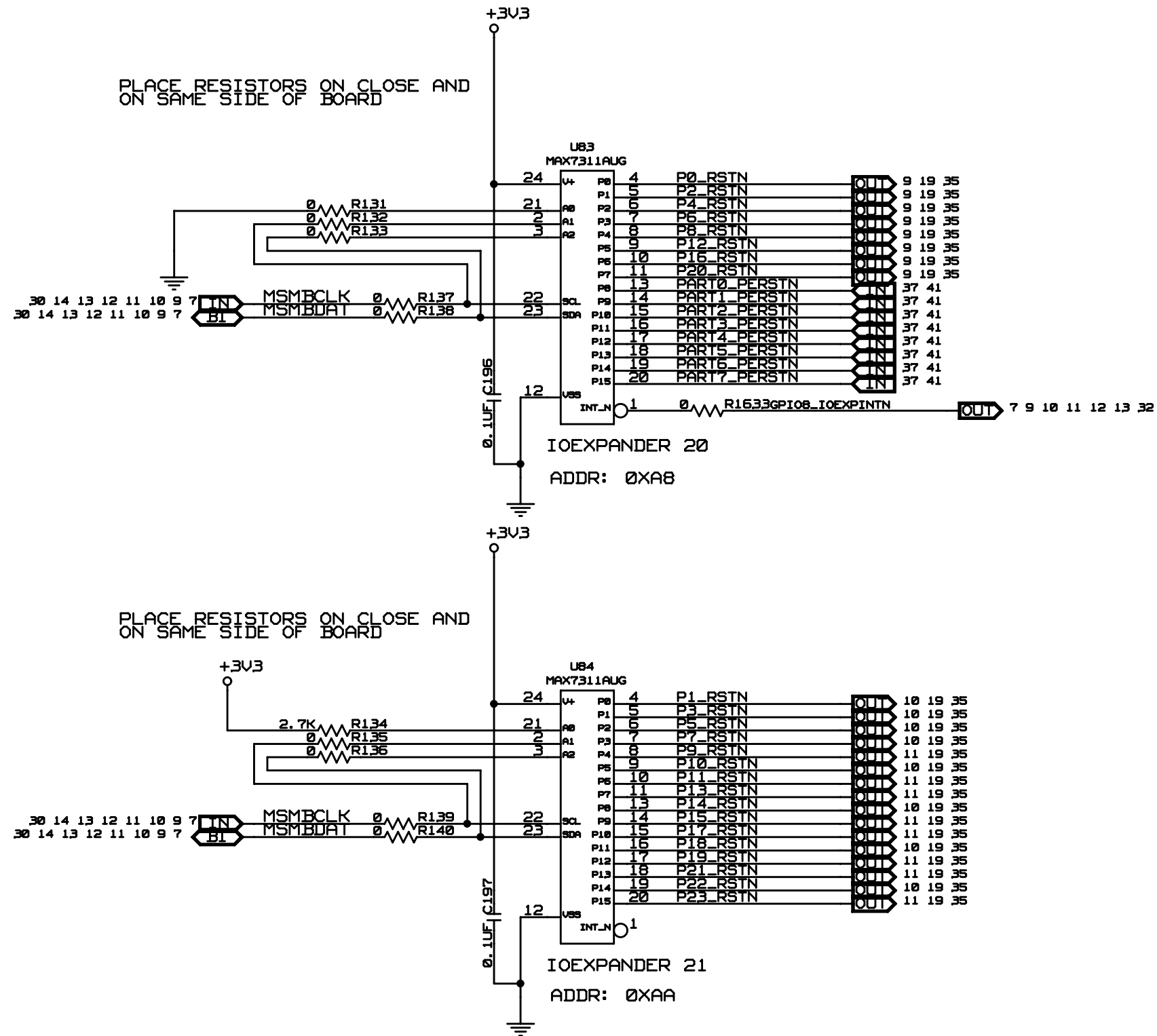




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TITLE EB-LOGAN-23
IOEXPANDER 16-19

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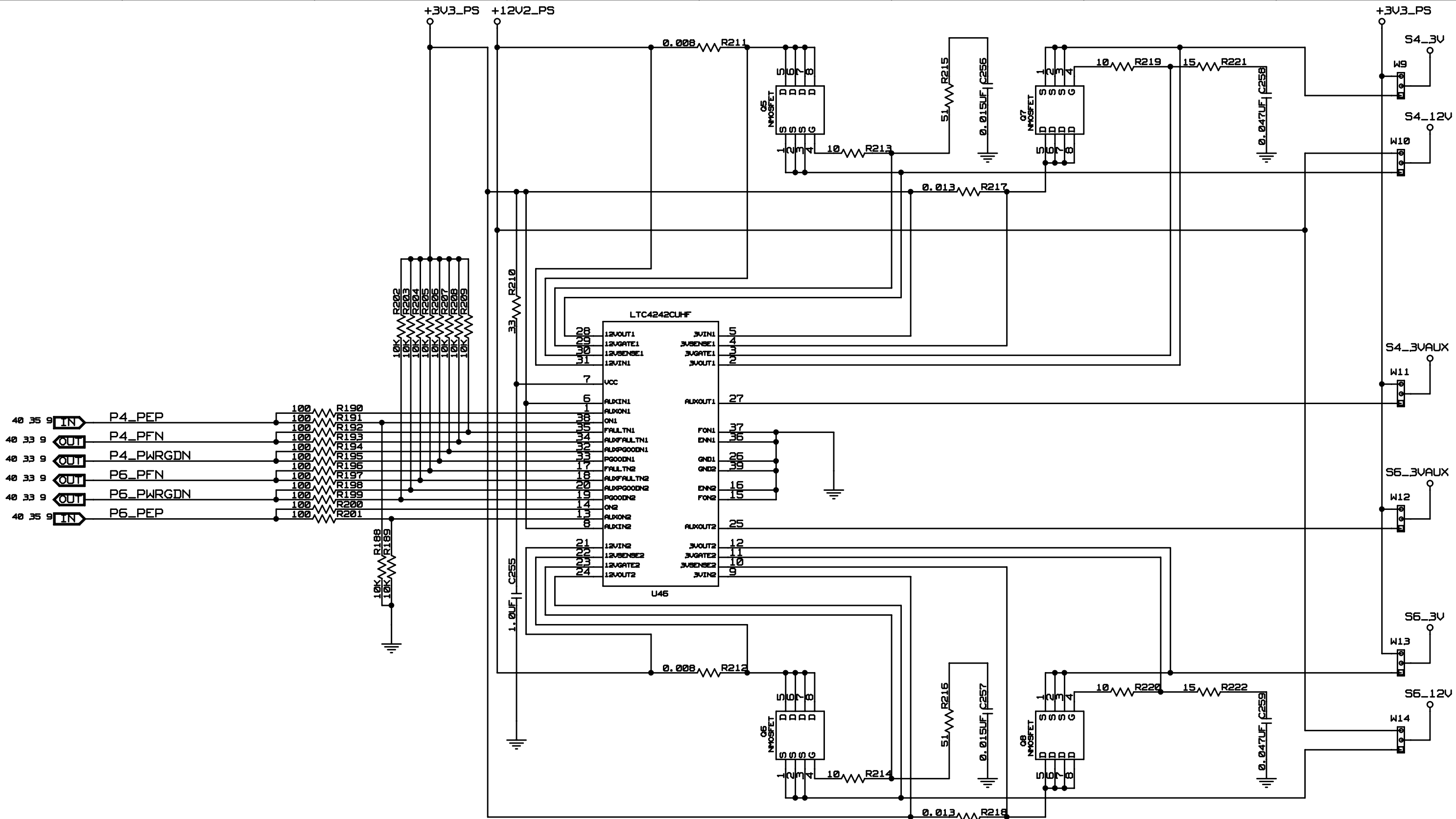
IOEXPANDER 20-21

SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
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TITLE EB-LOGAN-23

HOT PLUG CONTROL PORTS 4-6

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D

D

C

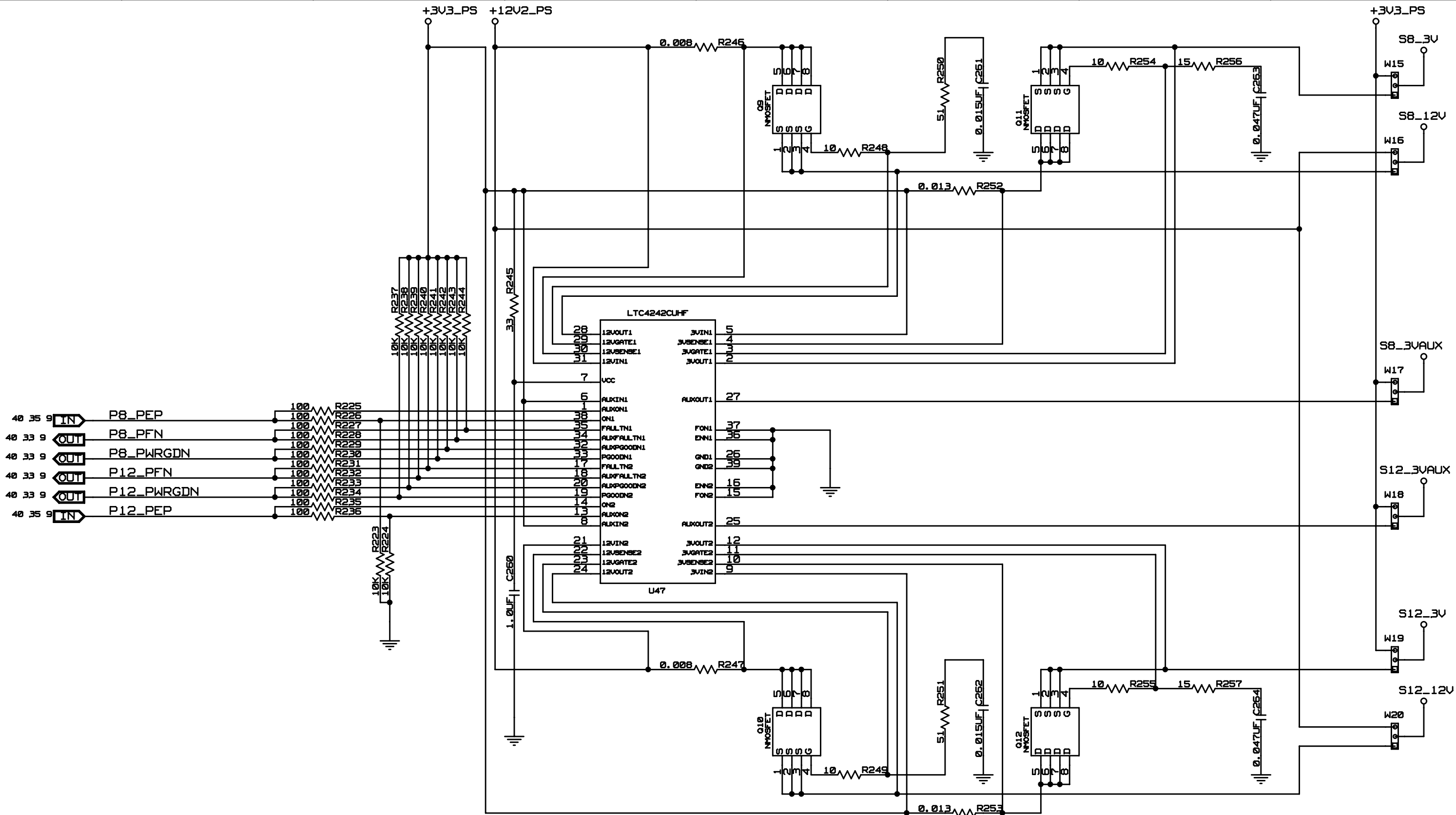
C

B

B

A

A



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TITLE EB-LOGAN-23

HOT PLUG CONTROL PORTS 8-12

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D

D

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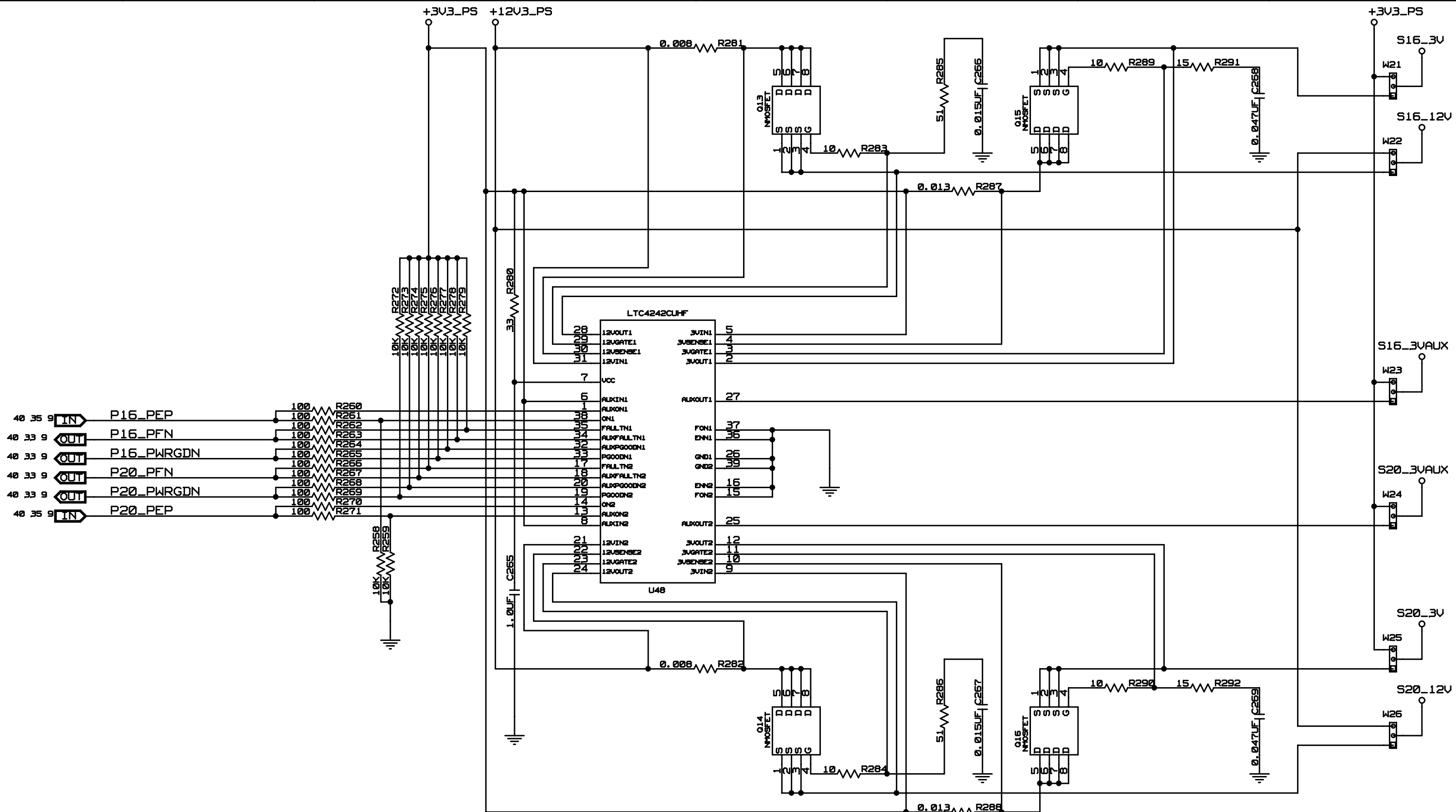
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B

B

A

A



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TITLE EB-LOGAN-23

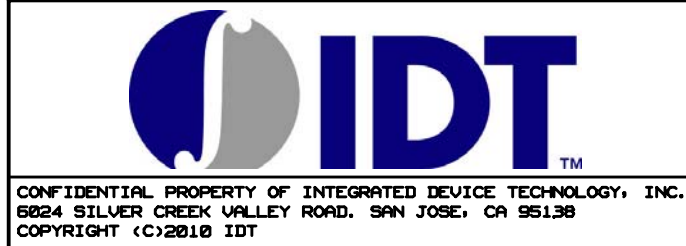
HOT PLUG CONTROL PORTS 16-20

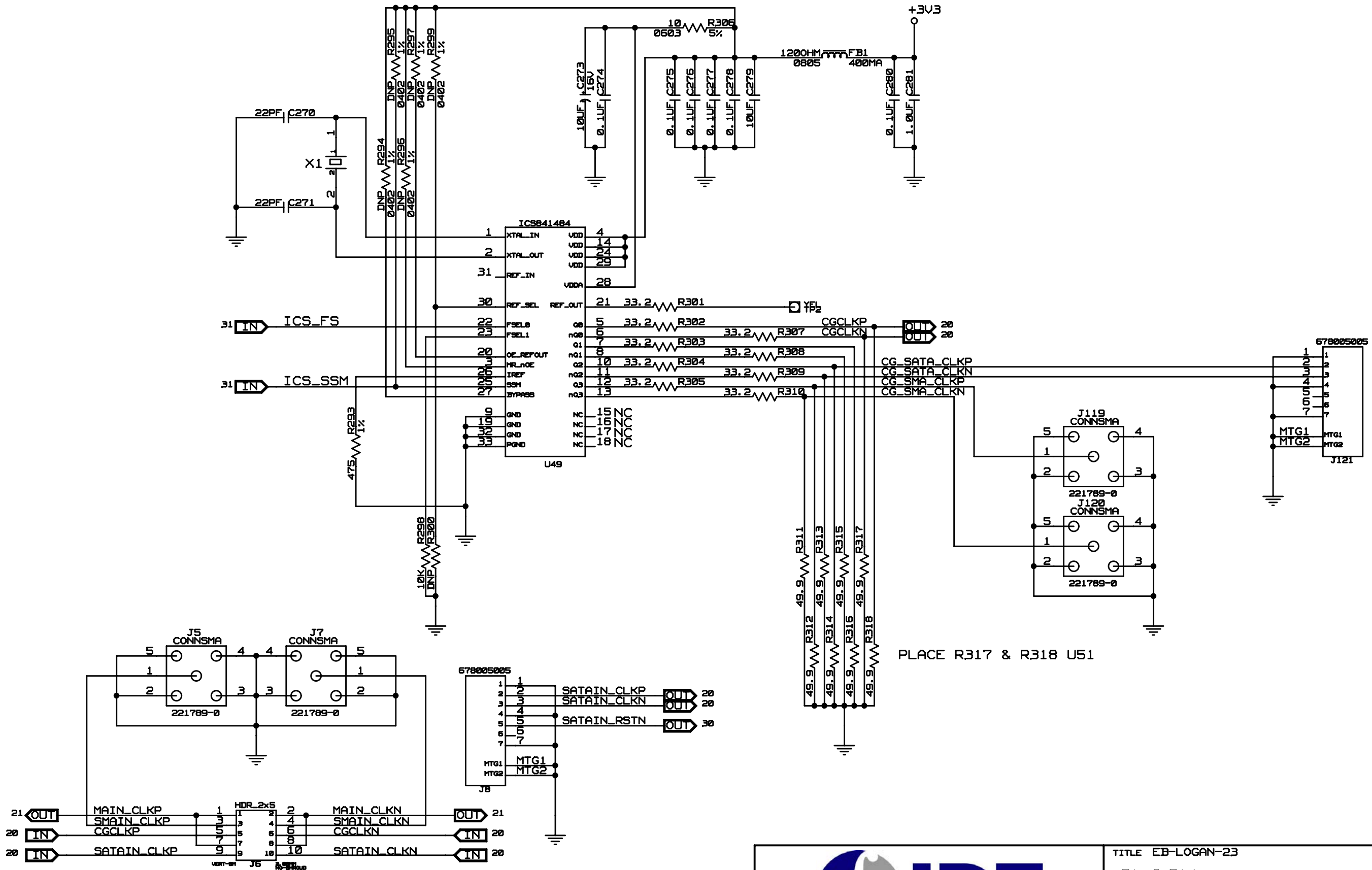
SIZE	DRAWING NO.	FAB P/N	REV.
B	SCH-PESEB-001	18-691-000	1.1

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TITLE EB-LOGAN-23

CLOCK

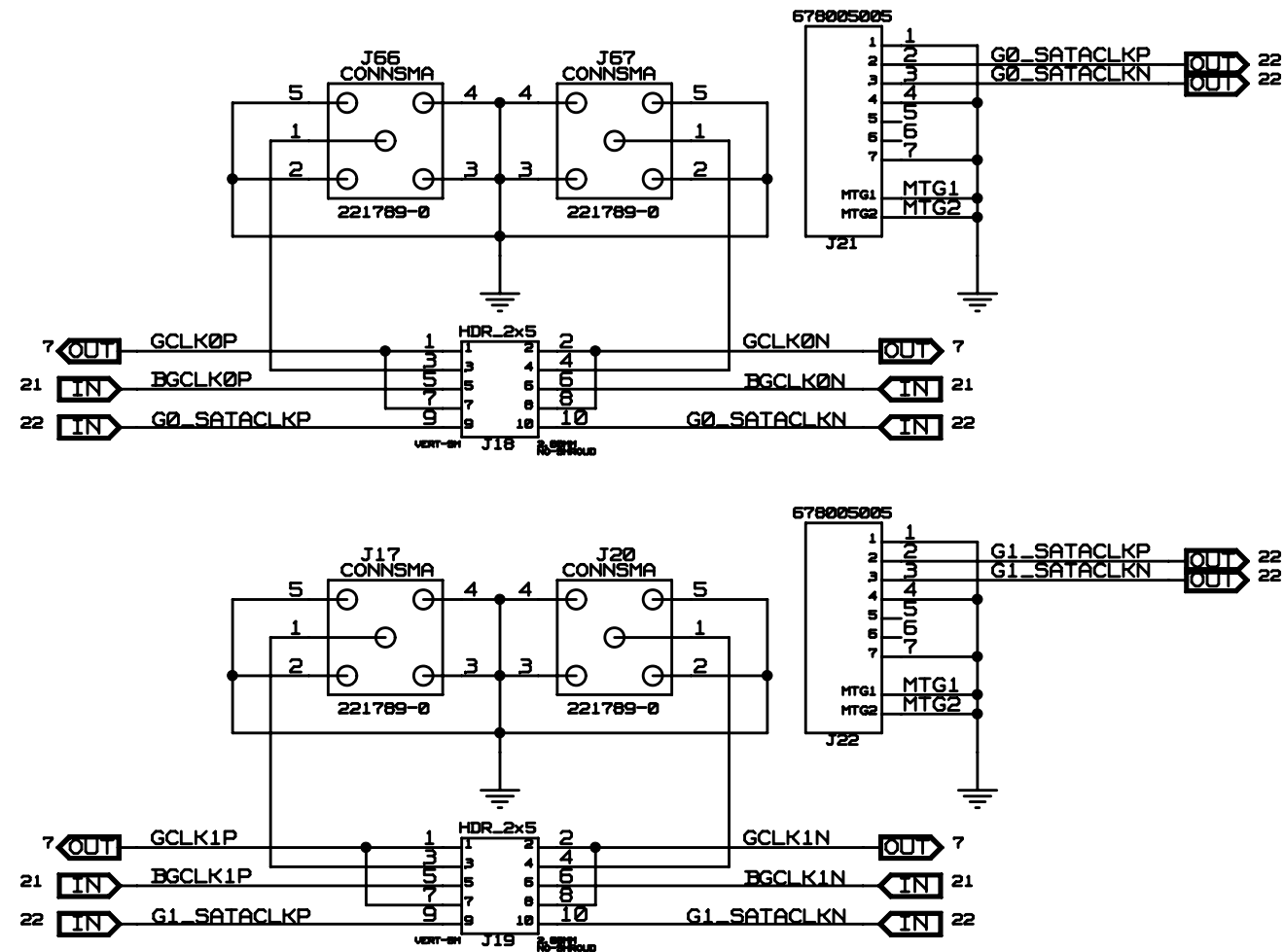
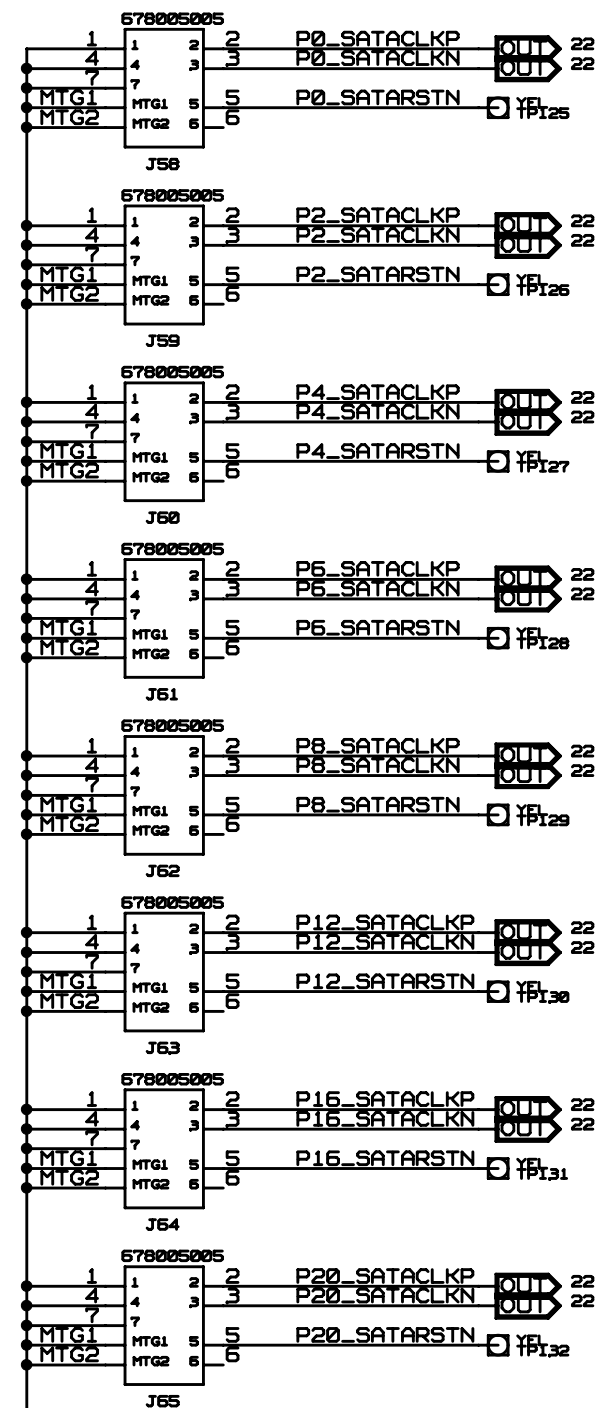
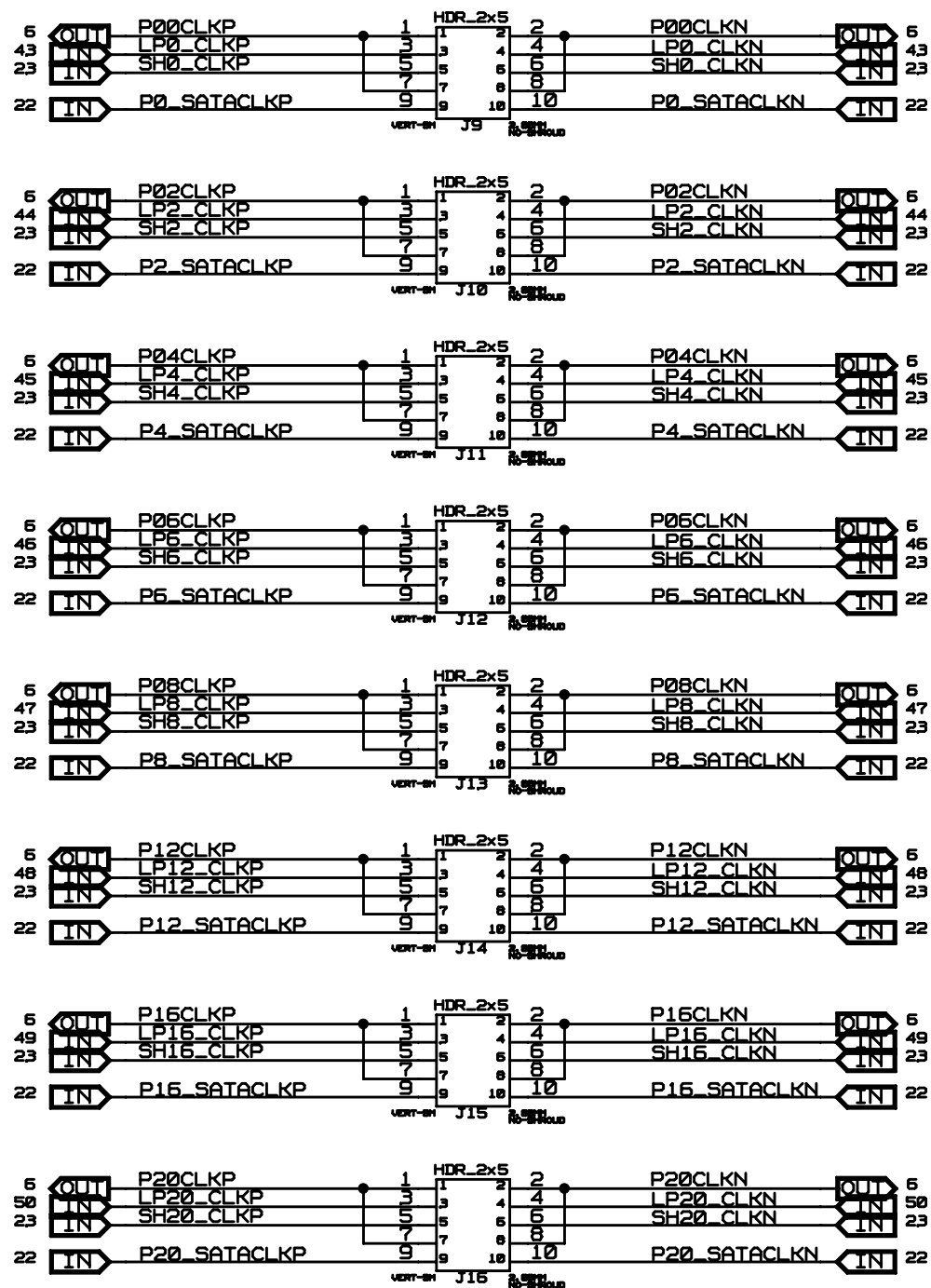
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B	SCH-PESEB-001	18-691-000	1.1

AUTHOR	CHECKED BY
Tony Tran	Derek Huang

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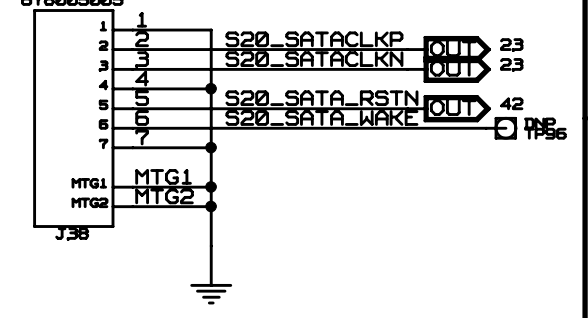
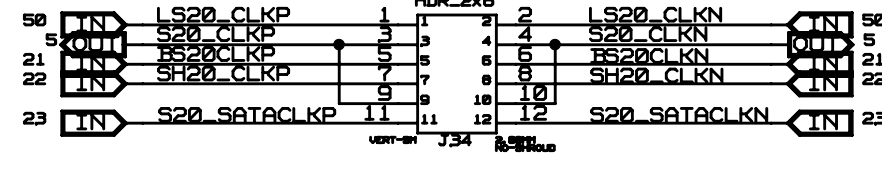
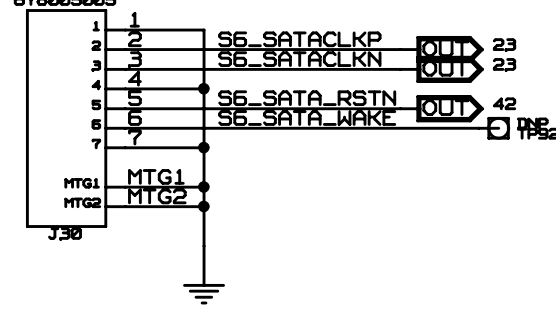
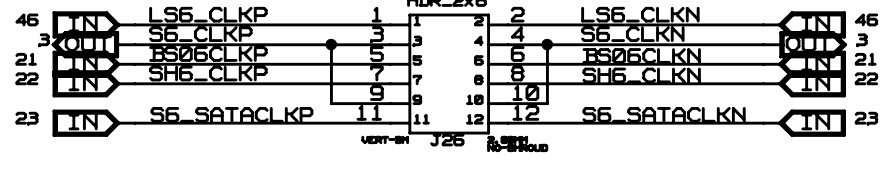
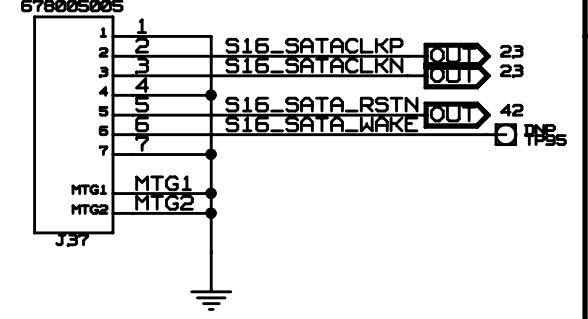
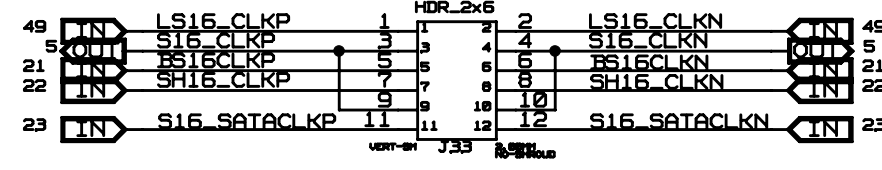
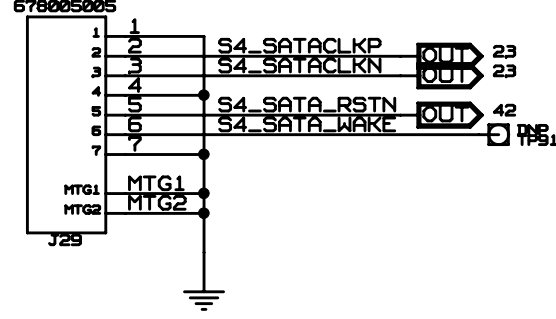
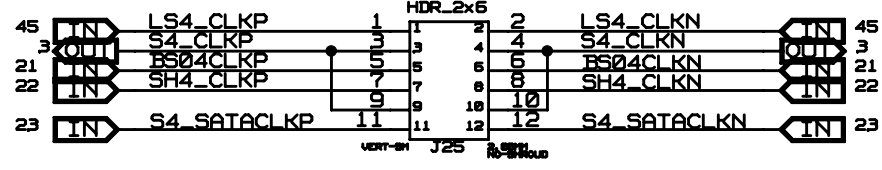
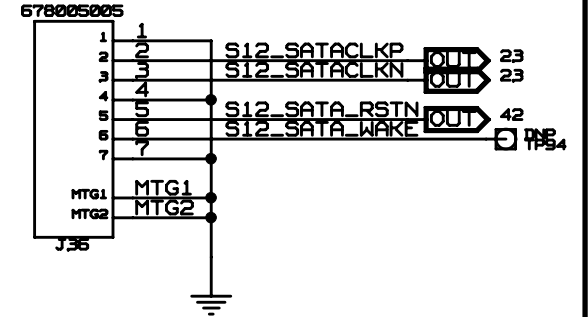
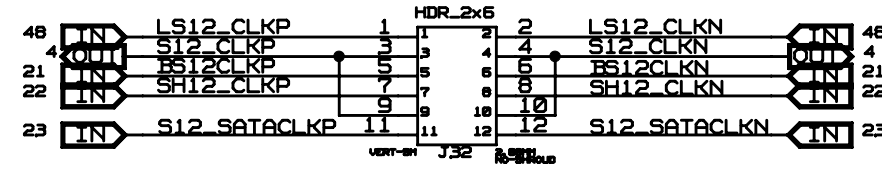
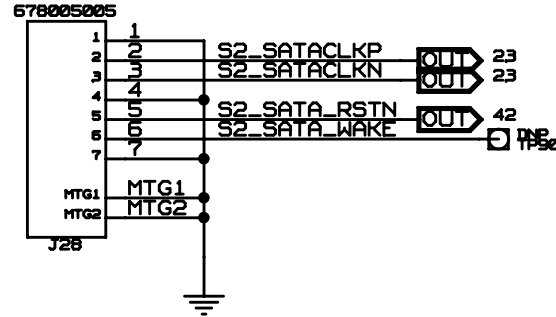
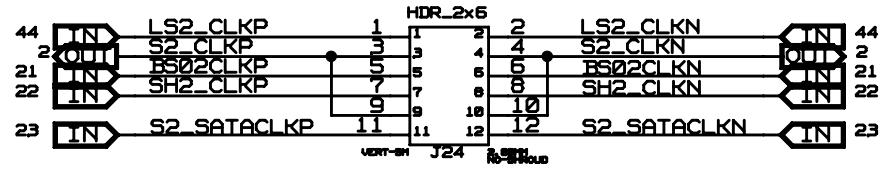
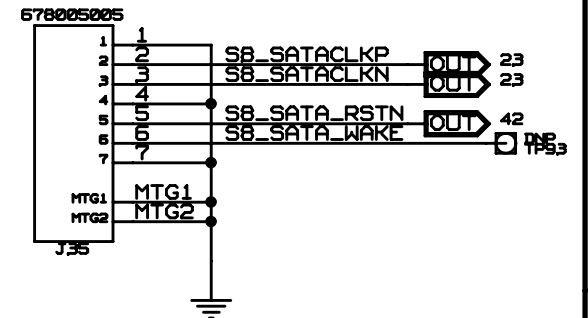
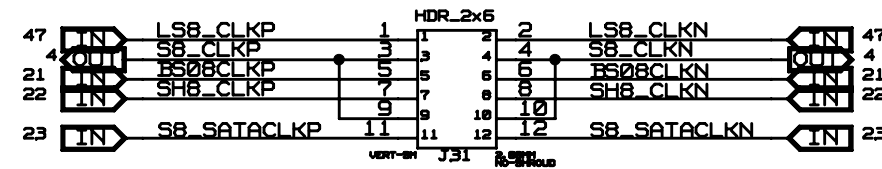
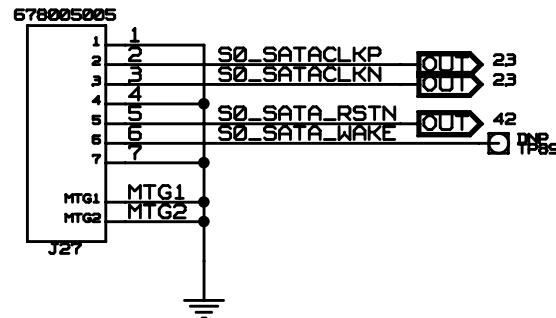
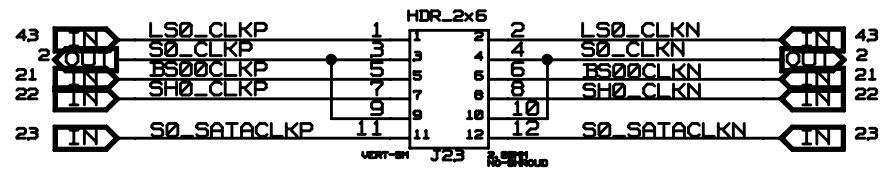
PXXCLK - OUT CLK
LPXXCLK - LOCAL CLOCK GEN. PORT CLK
SHXXCLK - SLOT HDR. CLK



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TITLE EB-LOGAN-23			
CLOCK SELECTOR DUT PCLK 0-20, GCLK 0-1			
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
AUTHOR Tony Tran		CHECKED BY Derek Huang	
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SXXCLK - SLOT CLK
BSXXCLK - BUFFER SLOT CLK
LSXXCLK - LOCAL CLOCK GEN. SLOT CLK
SHXXCLK - SLOT HDR. CLK



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TITLE EB-LOGAN-23

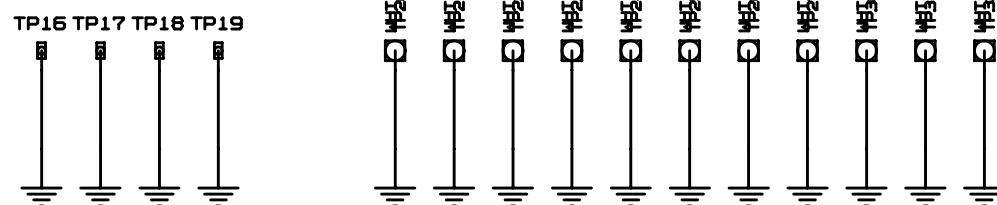
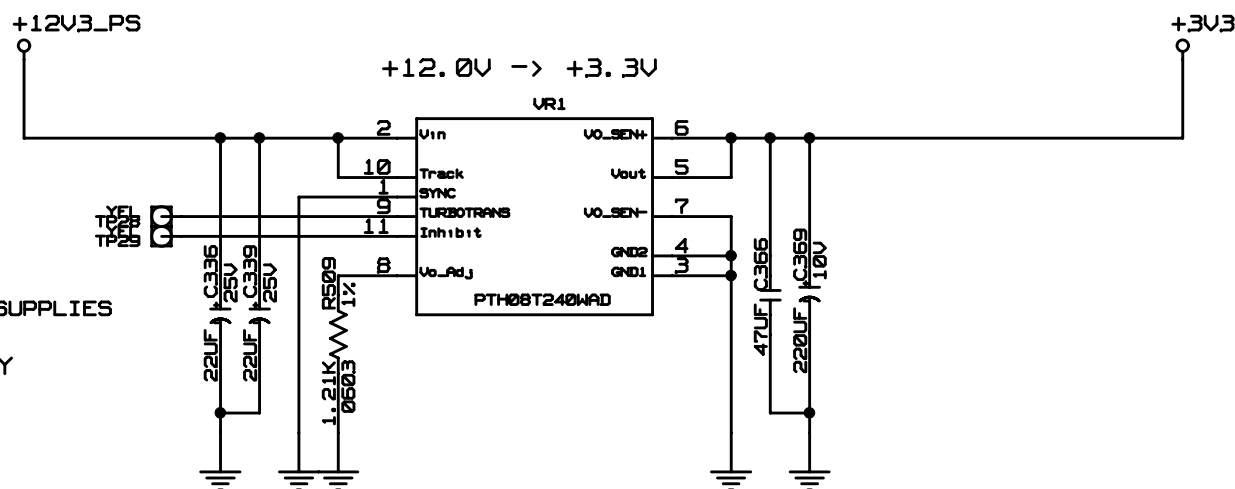
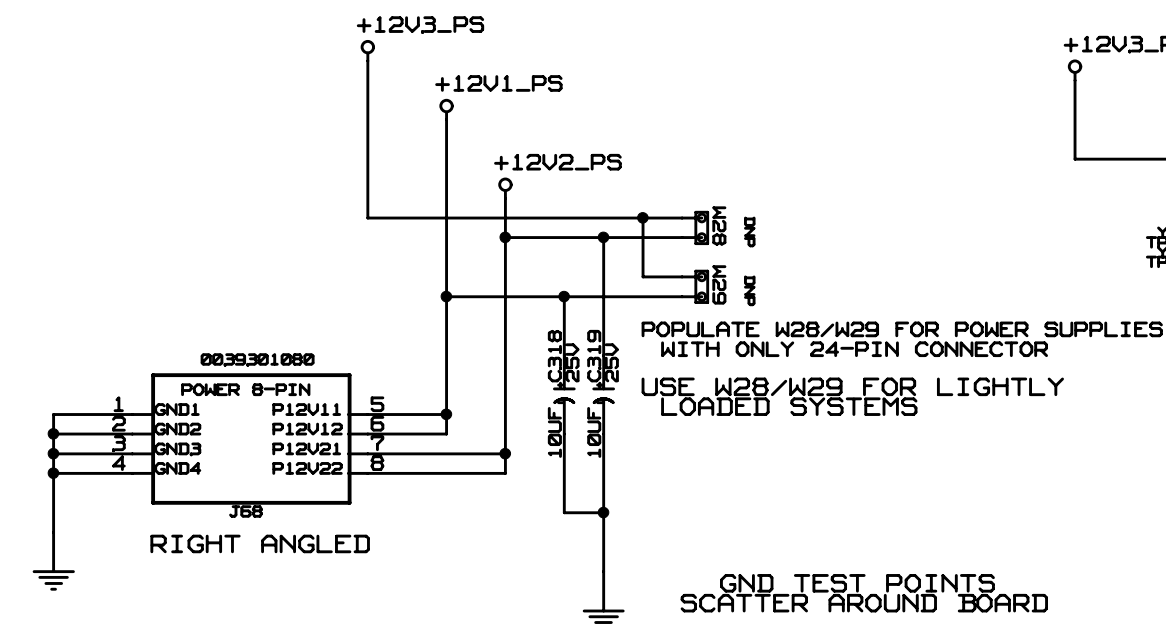
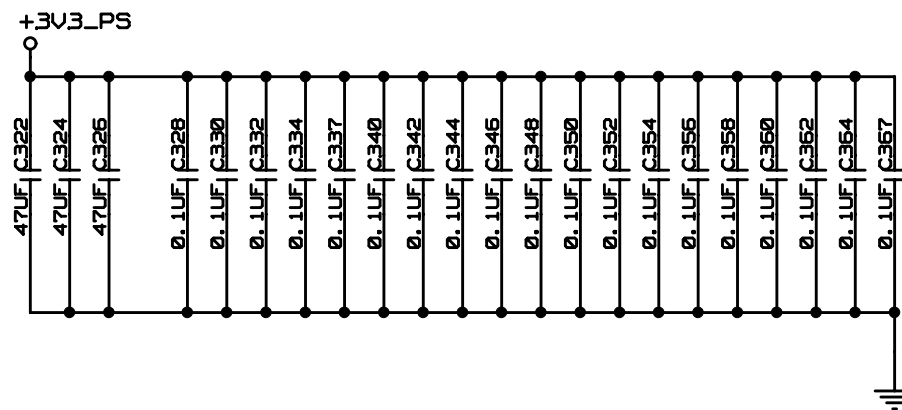
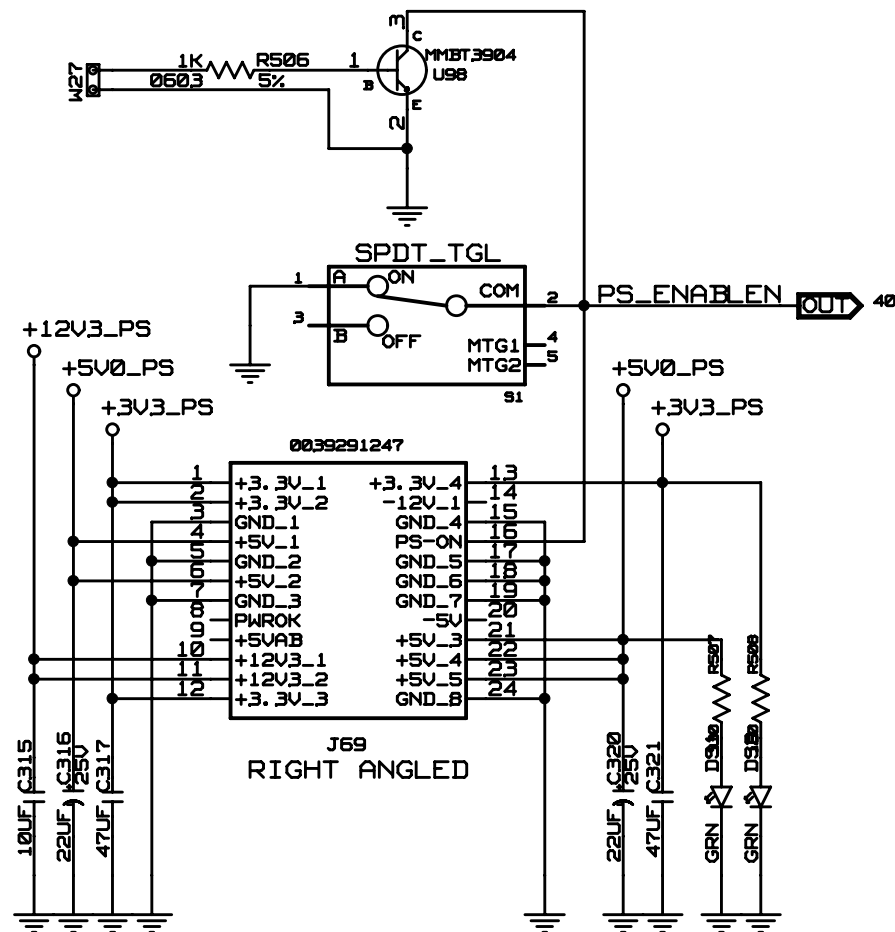
CLOCK SELECTOR SLOTS 0-20

SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
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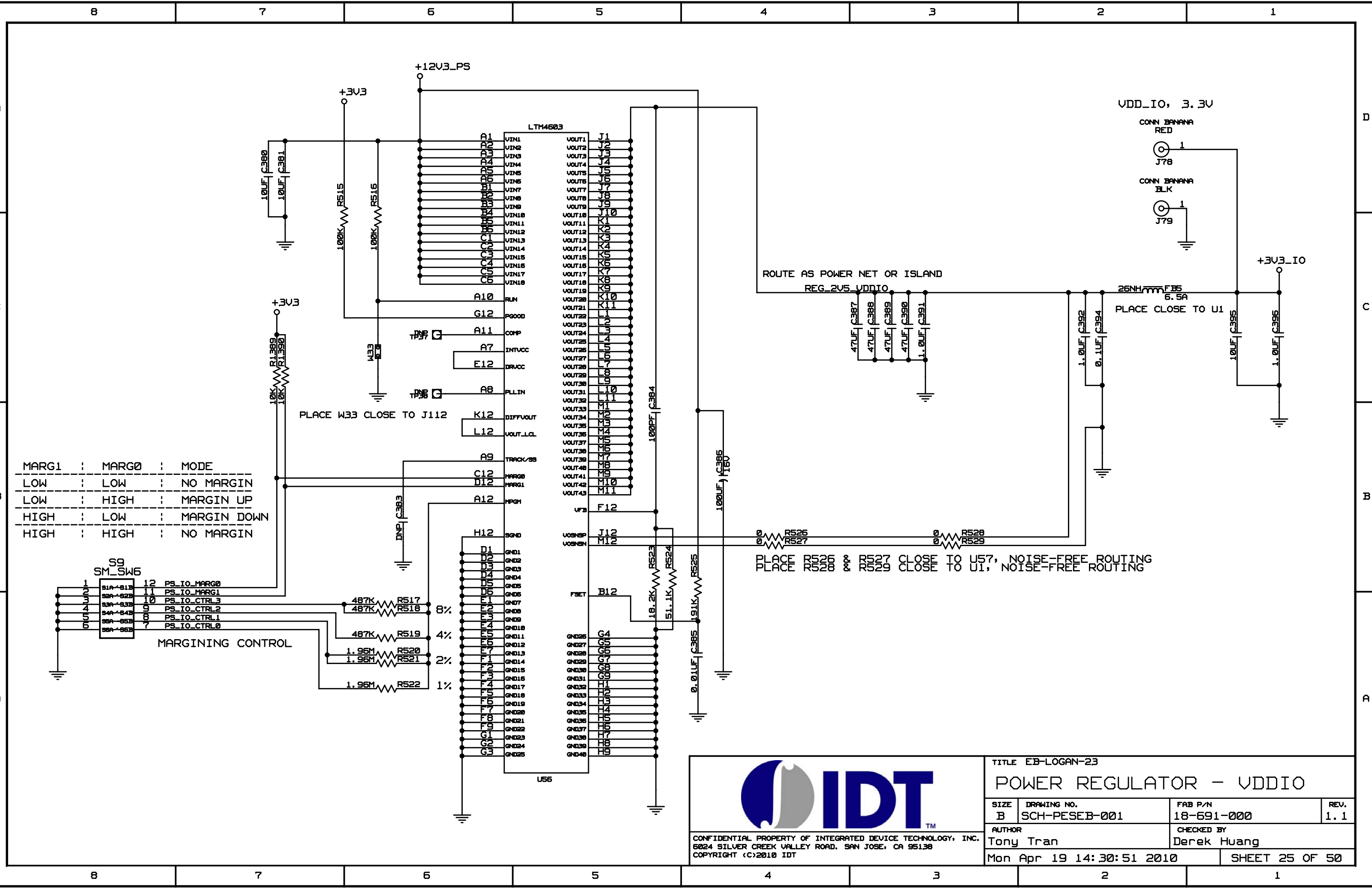
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TITLE EB-LOGAN-23 POWER CONNECTORS			
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
AUTHOR Tony Tran		CHECKED BY Derek Huang	
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MARG1	MARG0	MODE
LOW	LOW	NO MARGIN
LOW	HIGH	MARGIN UP
HIGH	LOW	MARGIN DOWN
HIGH	HIGH	NO MARGIN

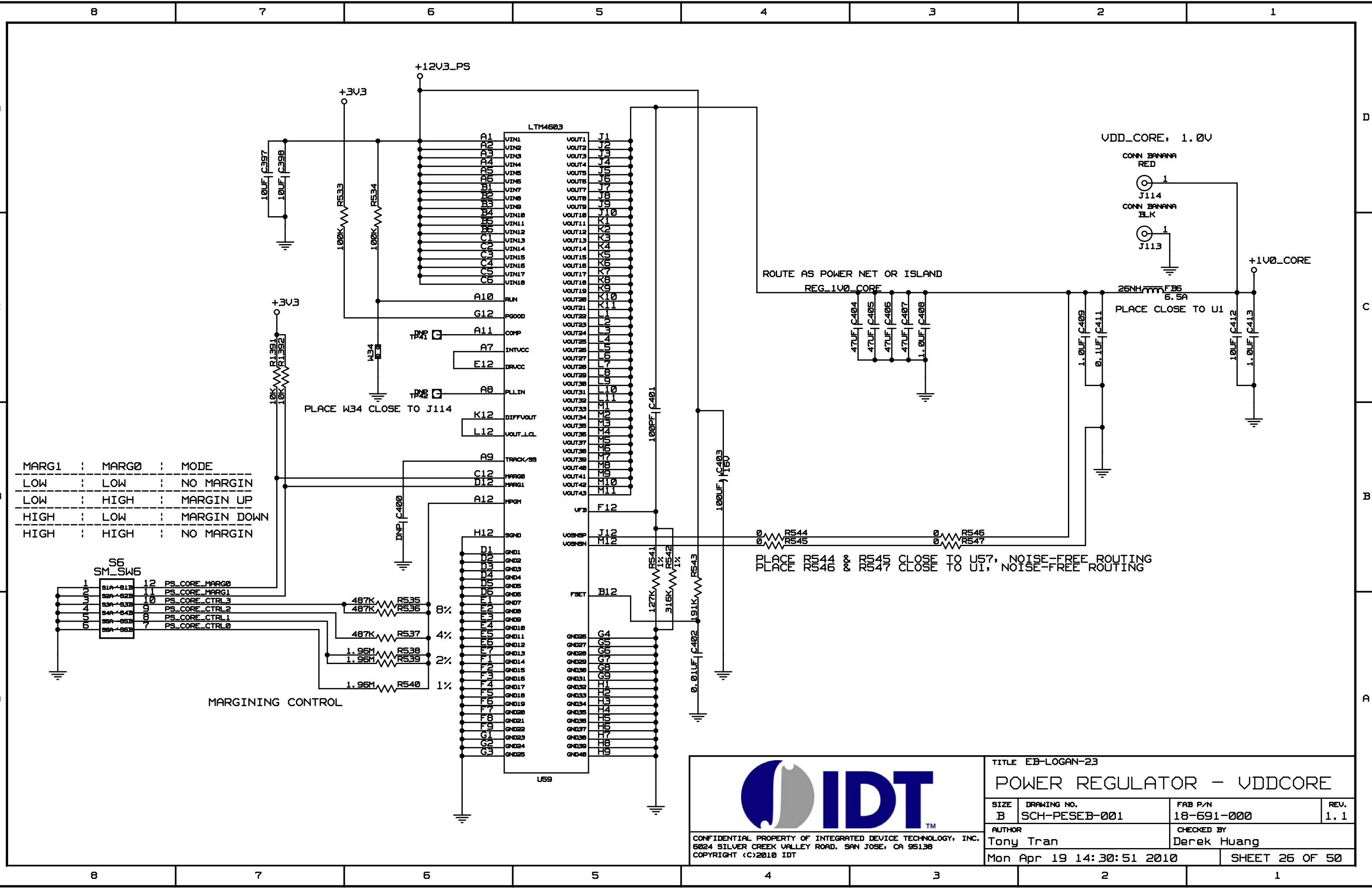
MARGINING CONTROL



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TITLE EB-LOGAN-23
POWER REGULATOR - VDDIO

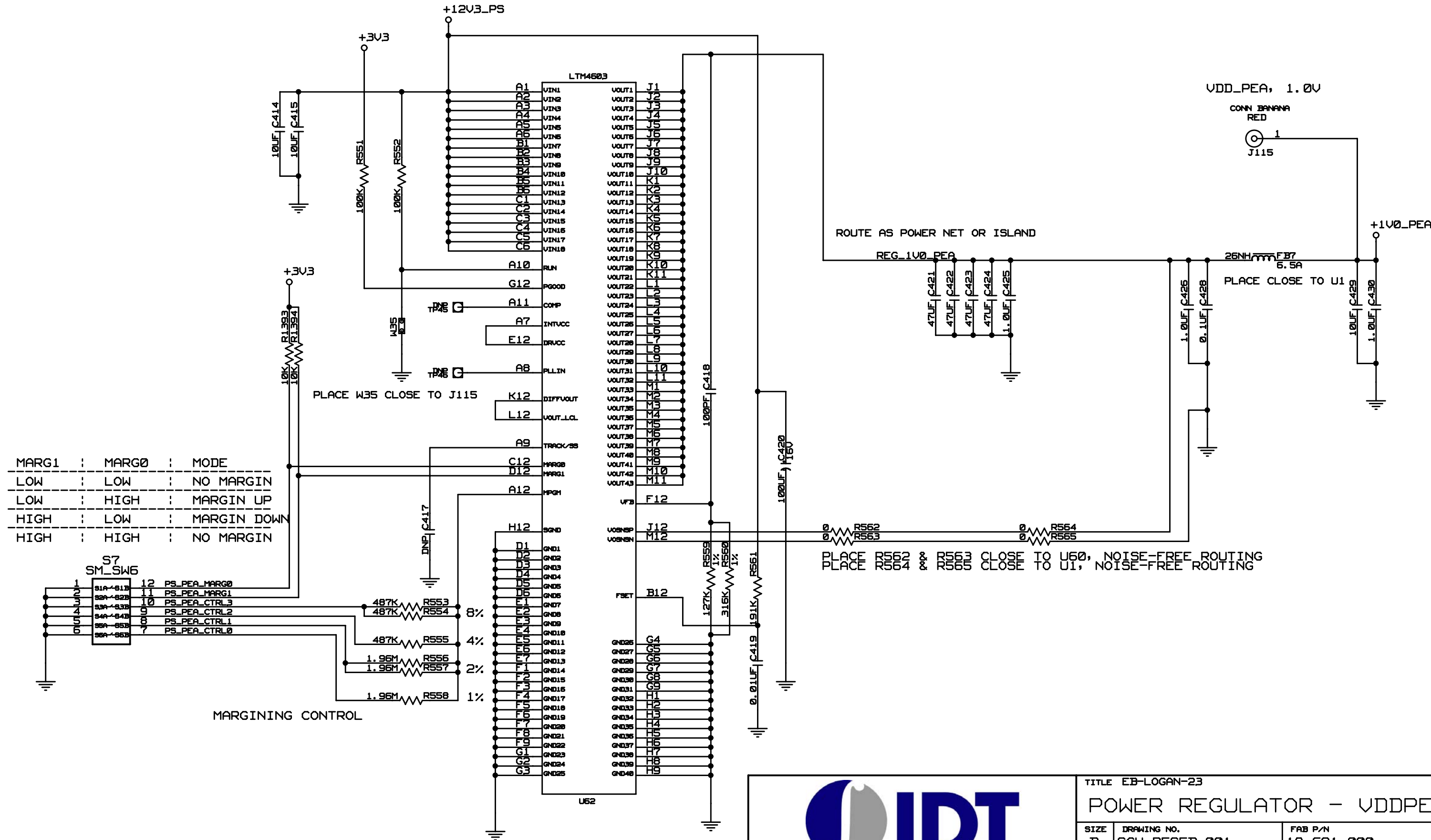
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
AUTHOR Tony Tran		CHECKED BY Derek Huang	
Mon Apr 19 14:30:51 2010			SHEET 25 OF 50



MARG1	MARG0	MODE
LOW	LOW	NO MARGIN
LOW	HIGH	MARGIN UP
HIGH	LOW	MARGIN DOWN
HIGH	HIGH	NO MARGIN

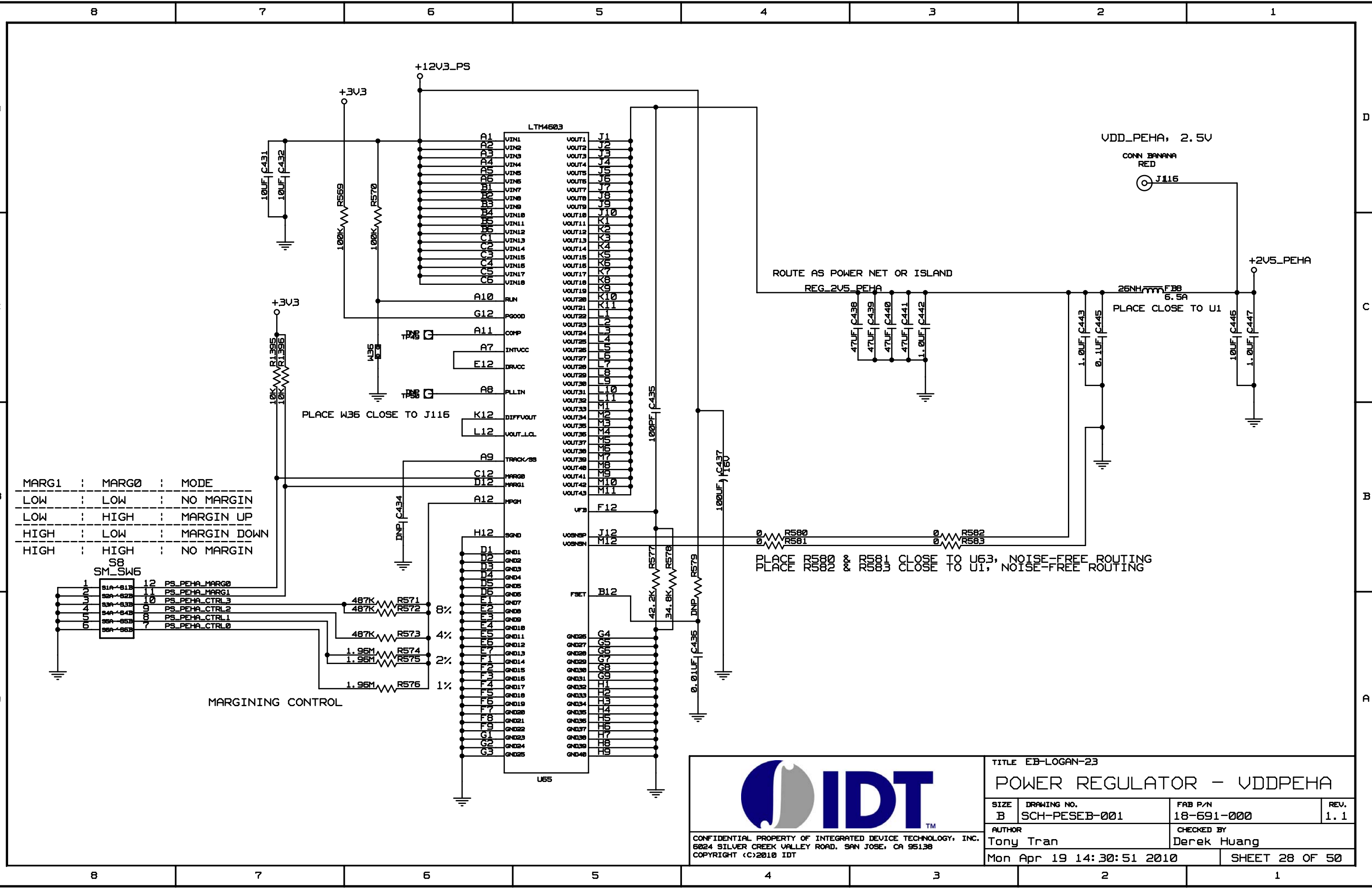
S6 SM_SW6	
1	PS_CORE_MARG0
2	PS_CORE_MARG1
3	PS_CORE_CTRL3
4	PS_CORE_CTRL2
5	PS_CORE_CTRL1
6	PS_CORE_CTRL0

TITLE EB-LOGAN-23			
POWER REGULATOR - VDDCORE			
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
AUTHOR Tony Tran		CHECKED BY Derek Huang	
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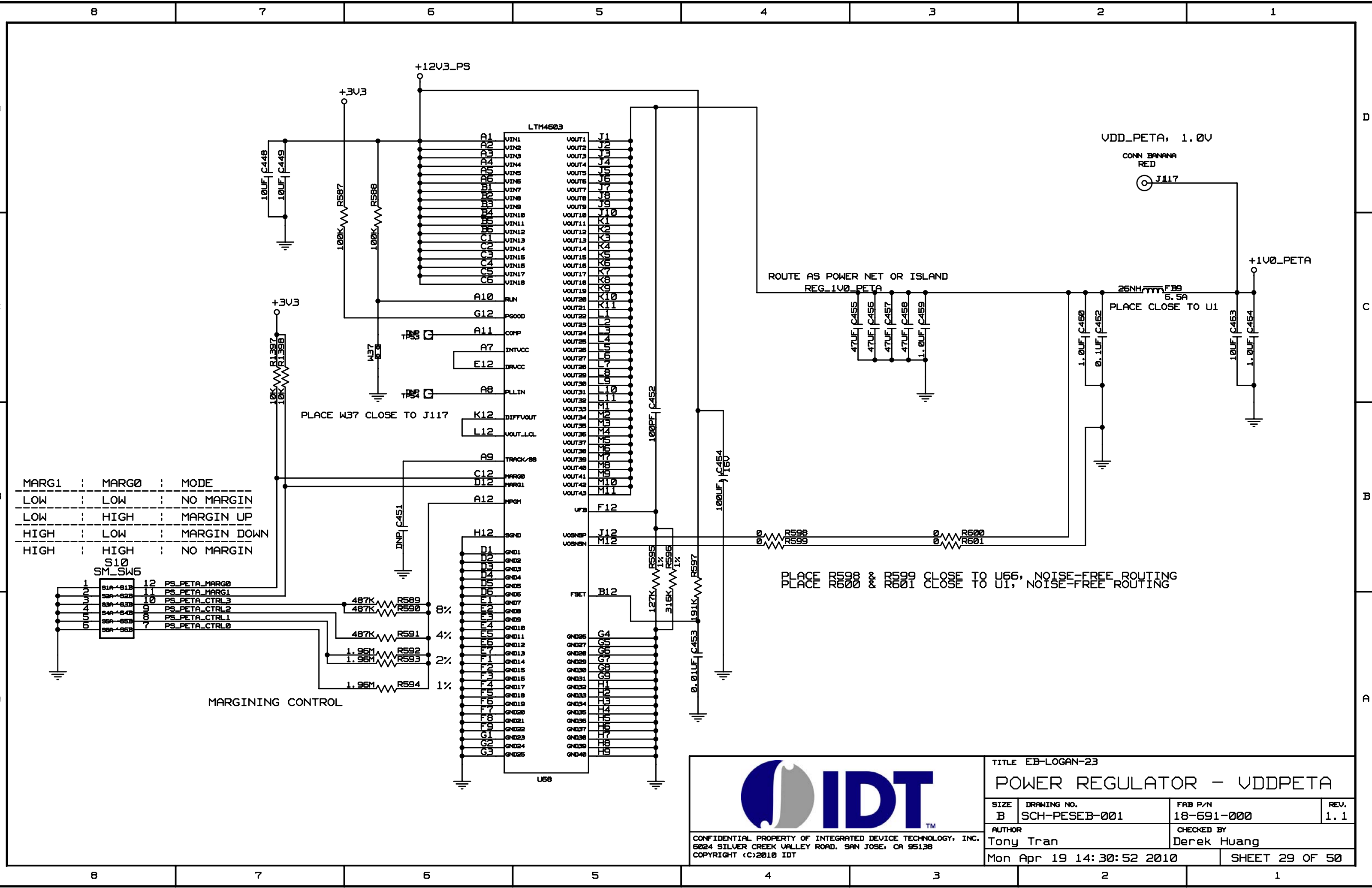
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TITLE EB-LOGAN-23			
POWER REGULATOR - VDDPEA			
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
AUTHOR Tony Tran		CHECKED BY Derek Huang	
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TITLE EB-LOGAN-23			
POWER REGULATOR - VDDPEHA			
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
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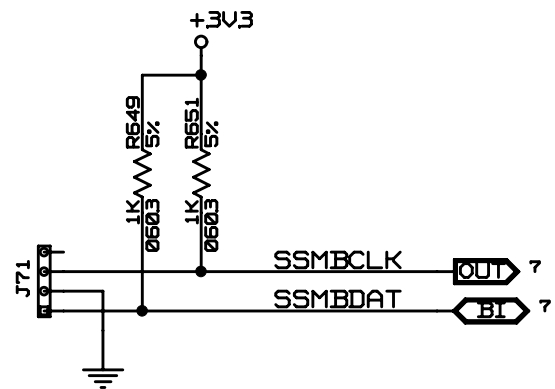
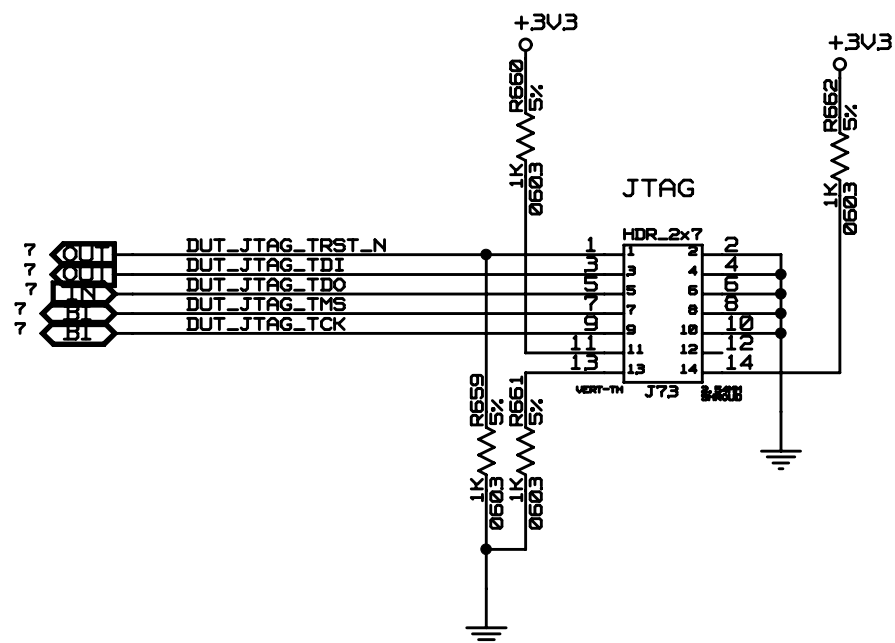
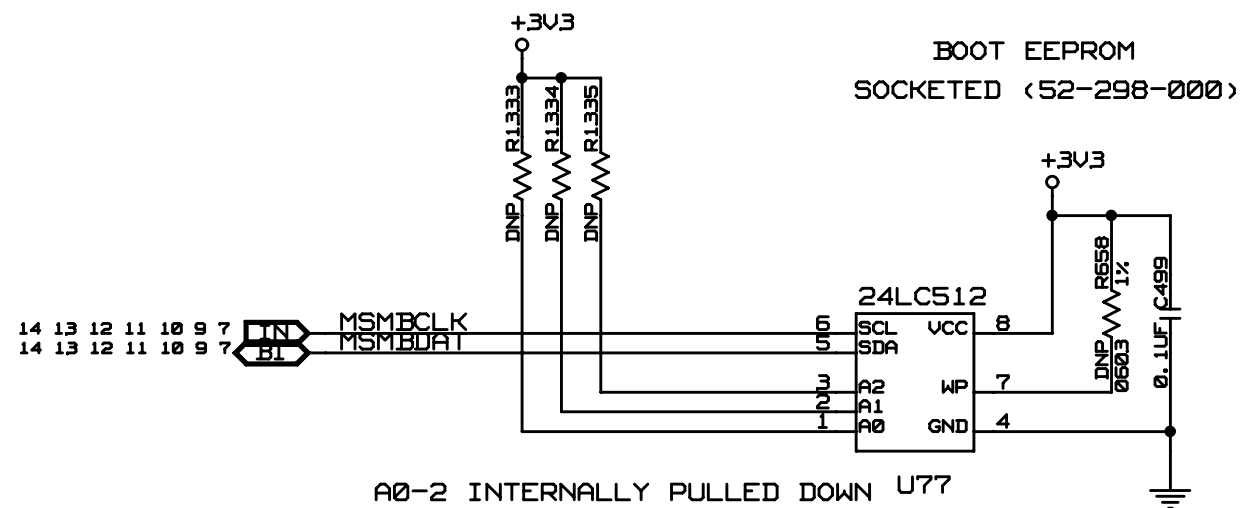
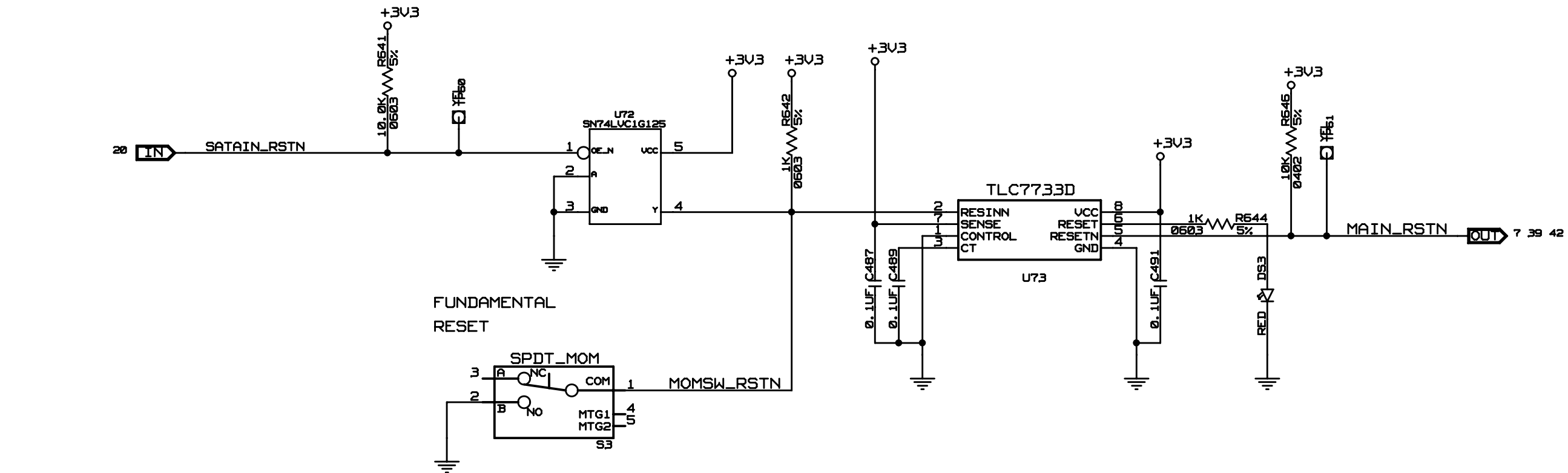
MARG1	MARG0	MODE
LOW	LOW	NO MARGIN
LOW	HIGH	MARGIN UP
HIGH	LOW	MARGIN DOWN
HIGH	HIGH	NO MARGIN

MARGINING CONTROL



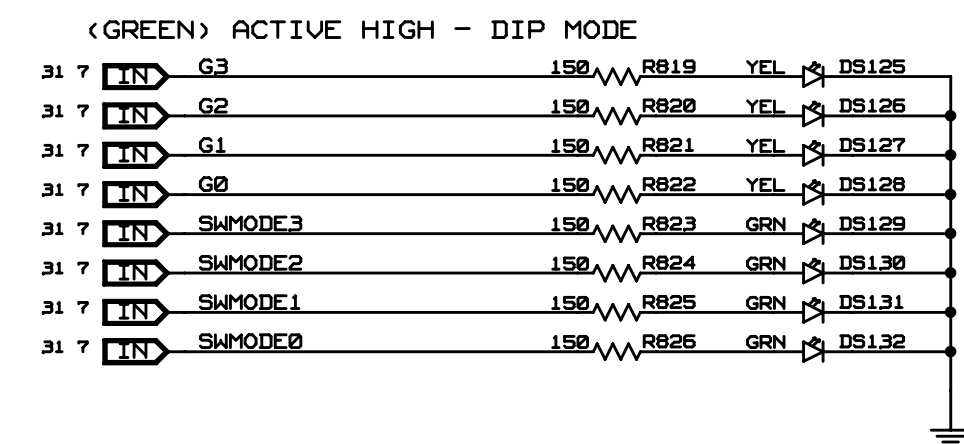
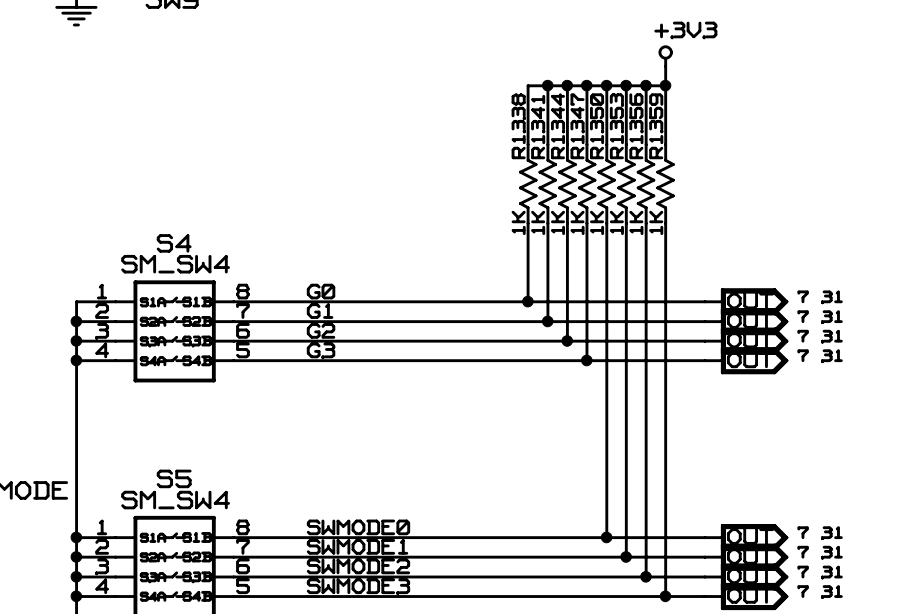
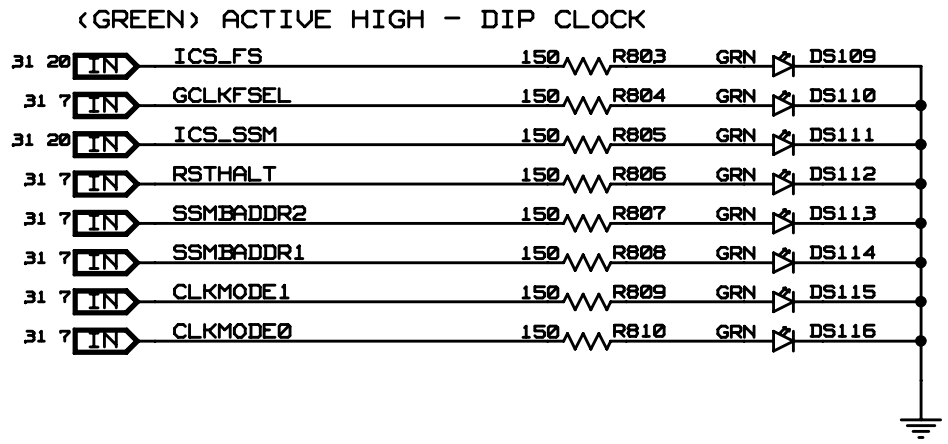
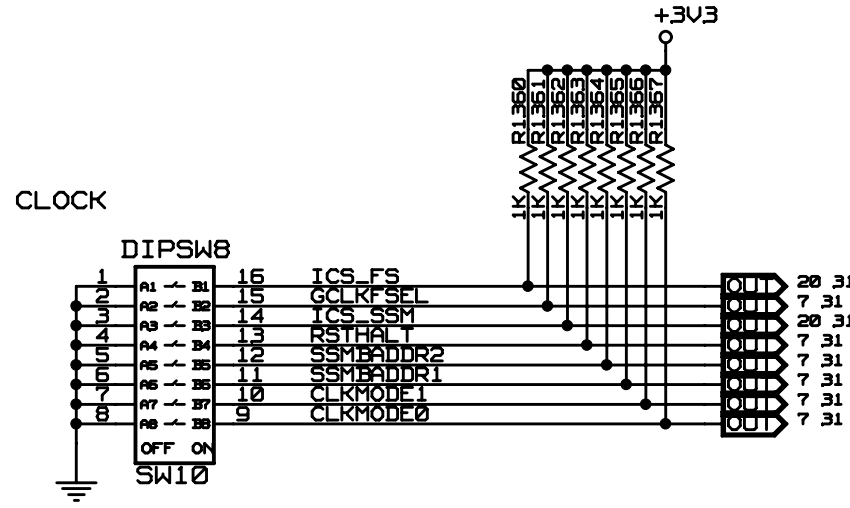
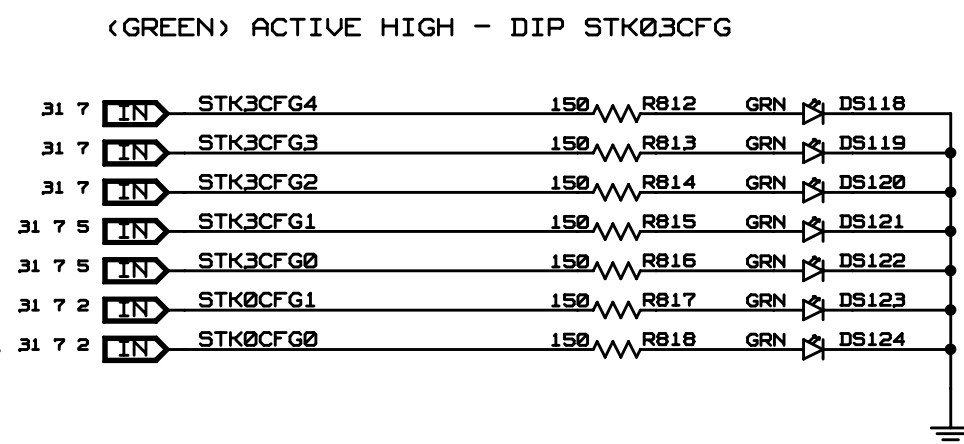
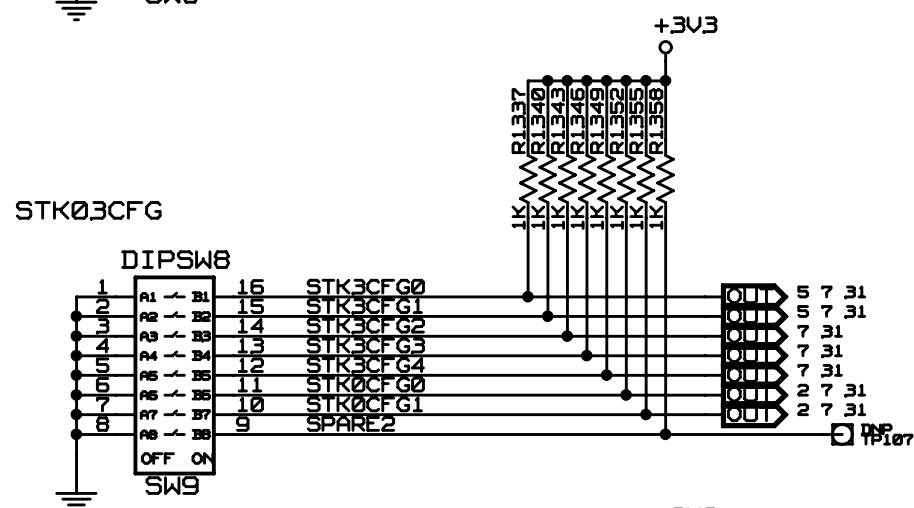
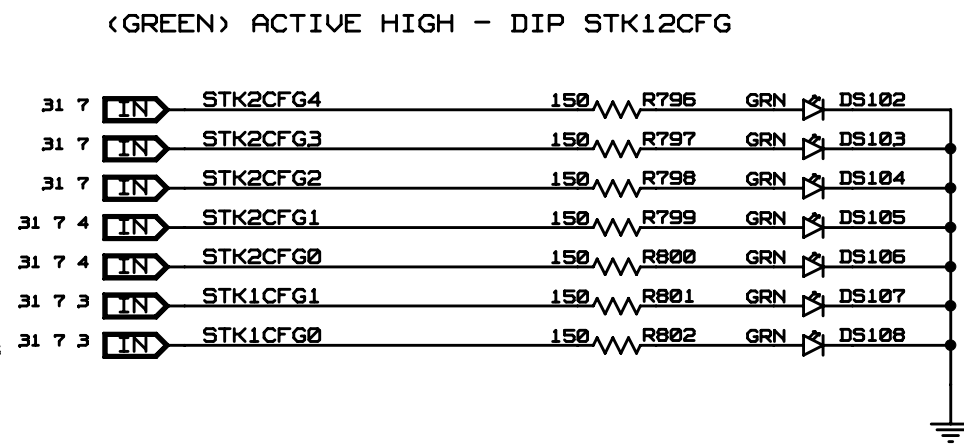
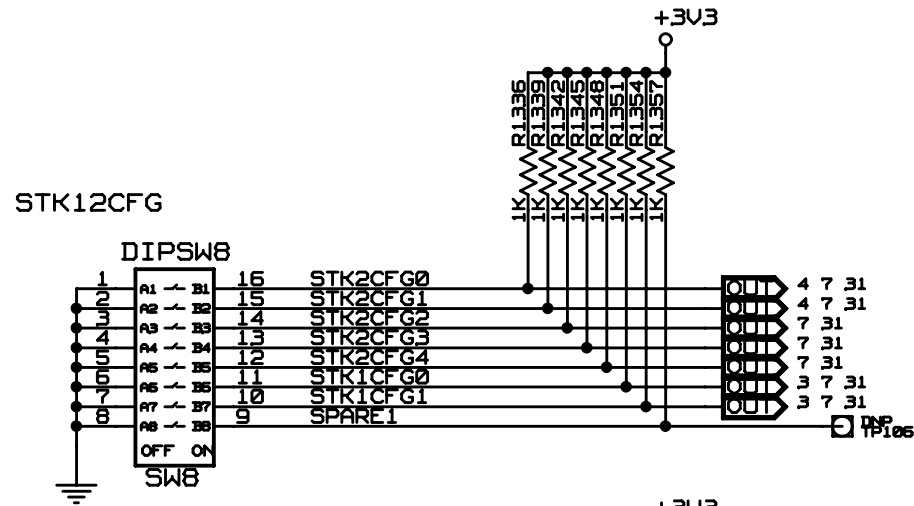
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TITLE EB-LOGAN-23			
POWER REGULATOR - VDDPETA			
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
AUTHOR Tony Tran		CHECKED BY Derek Huang	
Mon Apr 19 14:30:52 2010			SHEET 29 OF 50



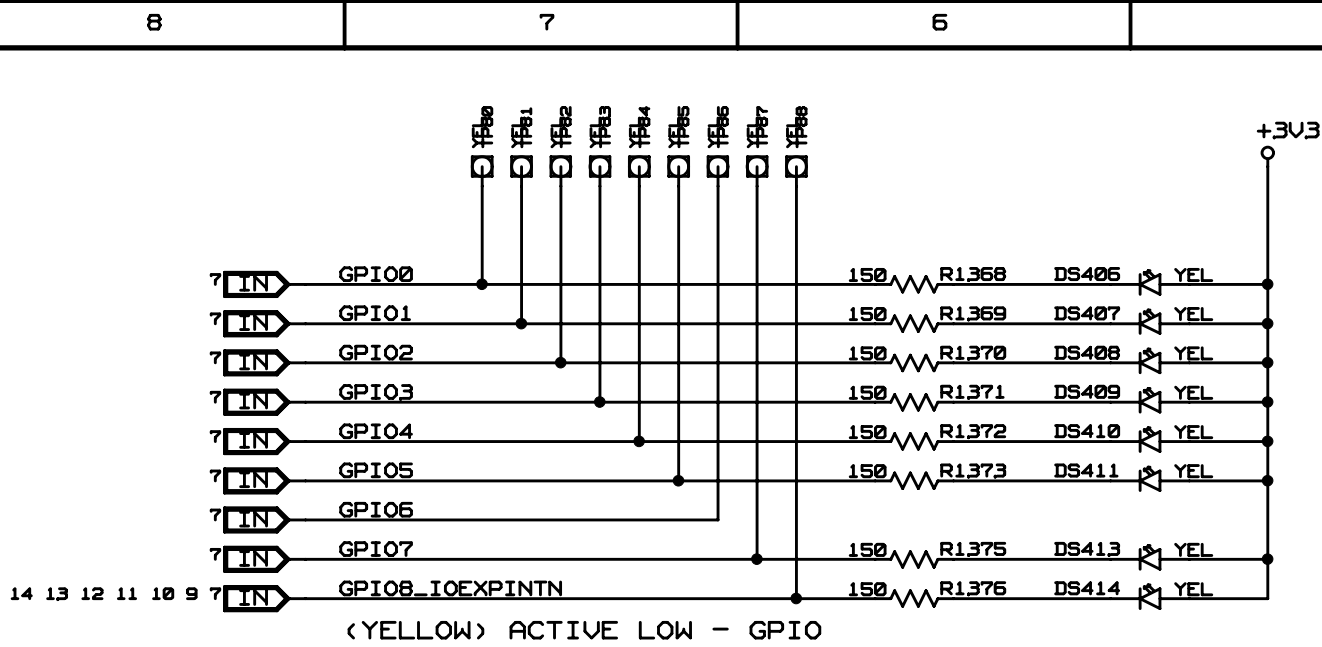
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TITLE EB-LOGAN-23			
RESET, SMBUS, EEPROM, JTAG			
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
AUTHOR Tony Tran		CHECKED BY Derek Huang	
Mon Apr 19 14:30:52 2010			SHEET 30 OF 50



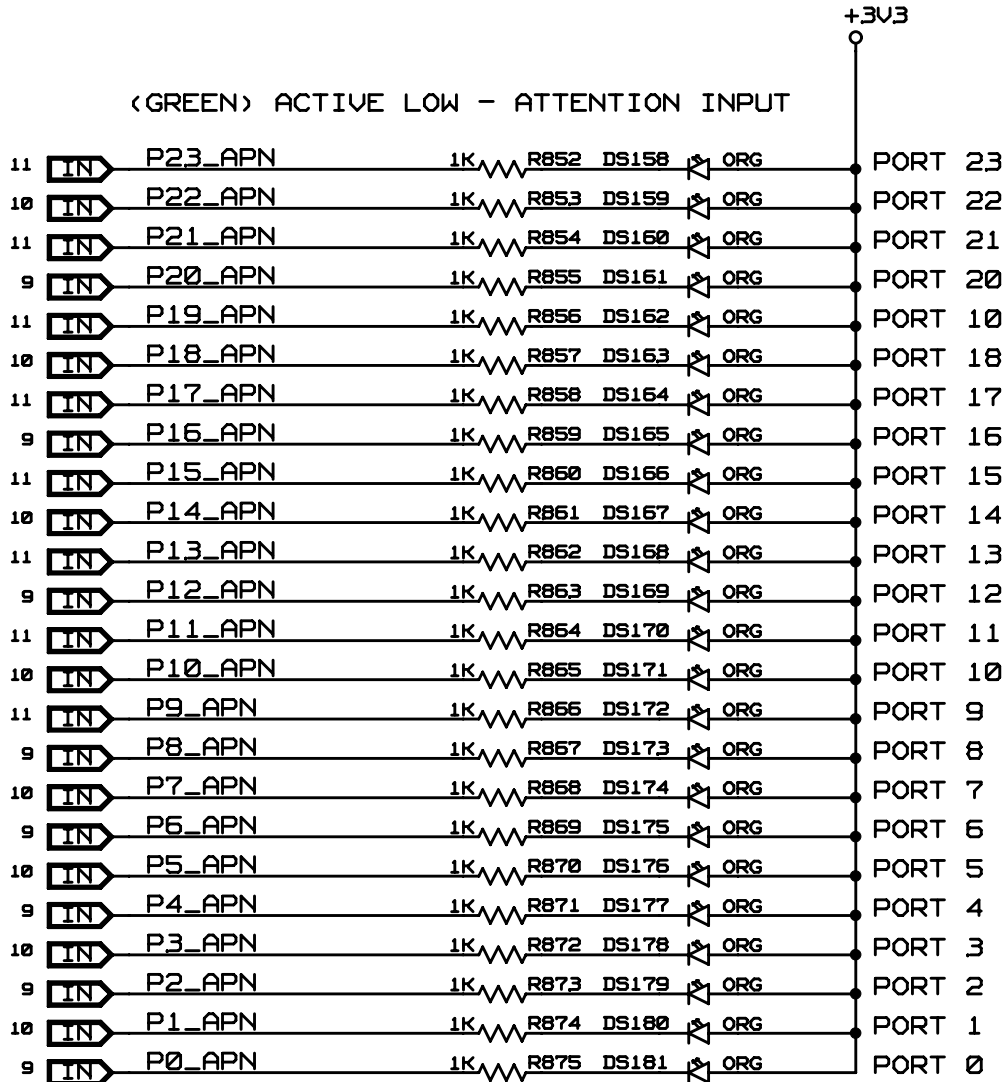
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TITLE EB-LOGAN-23			
DIP SWITCHES			
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
AUTHOR Tony Tran		CHECKED BY Derek Huang	
Mon Apr 19 14:30:52 2010			SHEET 31 OF 50

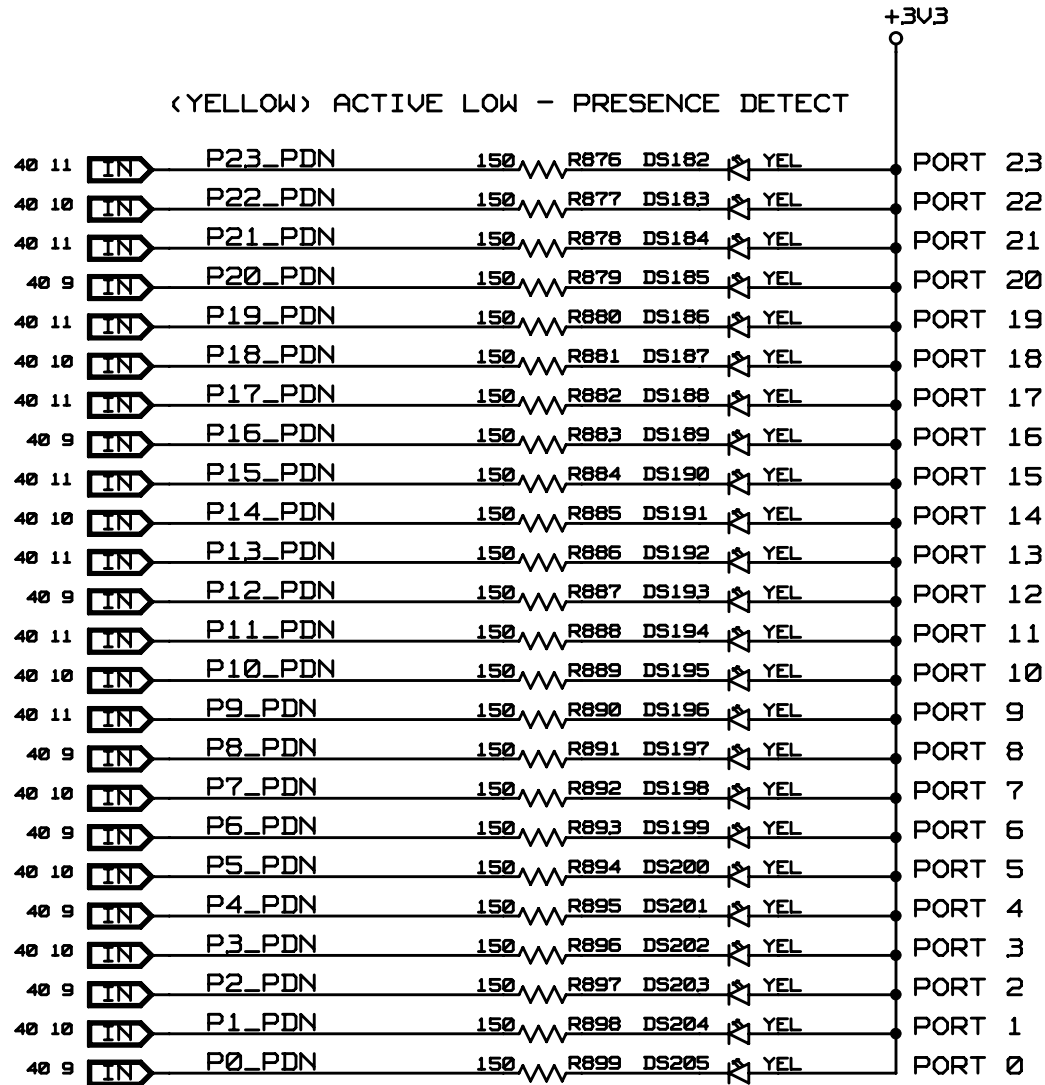


(YELLOW) ACTIVE LOW - GPIO

GPIO	ALT0	ALT1
0	PART0PERSTN	P16LINKUPN
1	PART1PERSTN	P16ACTIVEN
2	PART2PERSTN	P4LINKUPN
3	PART3PERSTN	P4ACTIVEN
4	FAILOVER0	P0LINKUPN
5	GPEN	P0ACTIVEN
7	FAILOVER2	P8LINKUPN
8	IOEXPINTN	P8ACTIVEN



(GREEN) ACTIVE LOW - ATTENTION INPUT



(YELLOW) ACTIVE LOW - PRESENCE DETECT

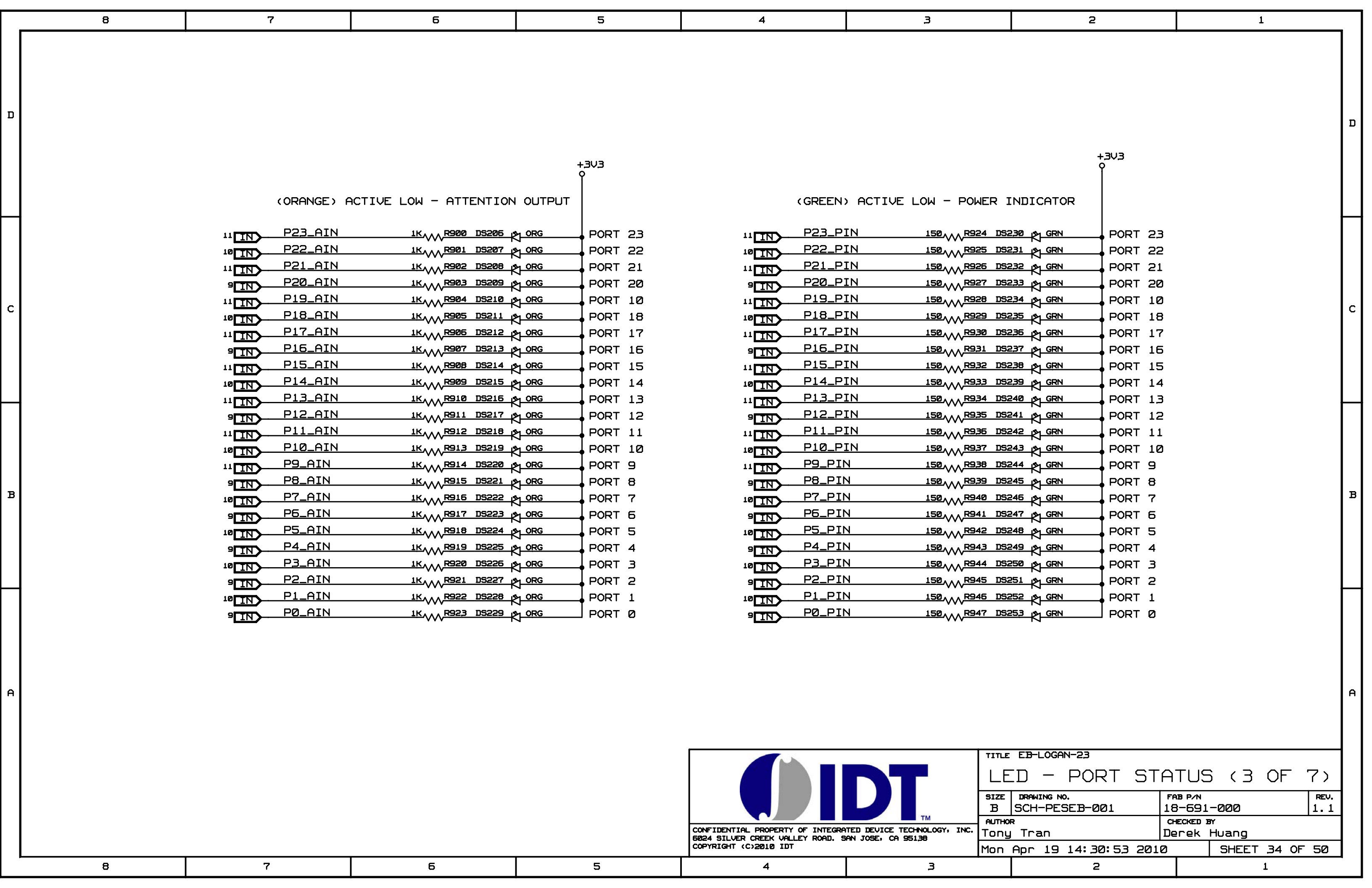


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TITLE EB-LOGAN-23

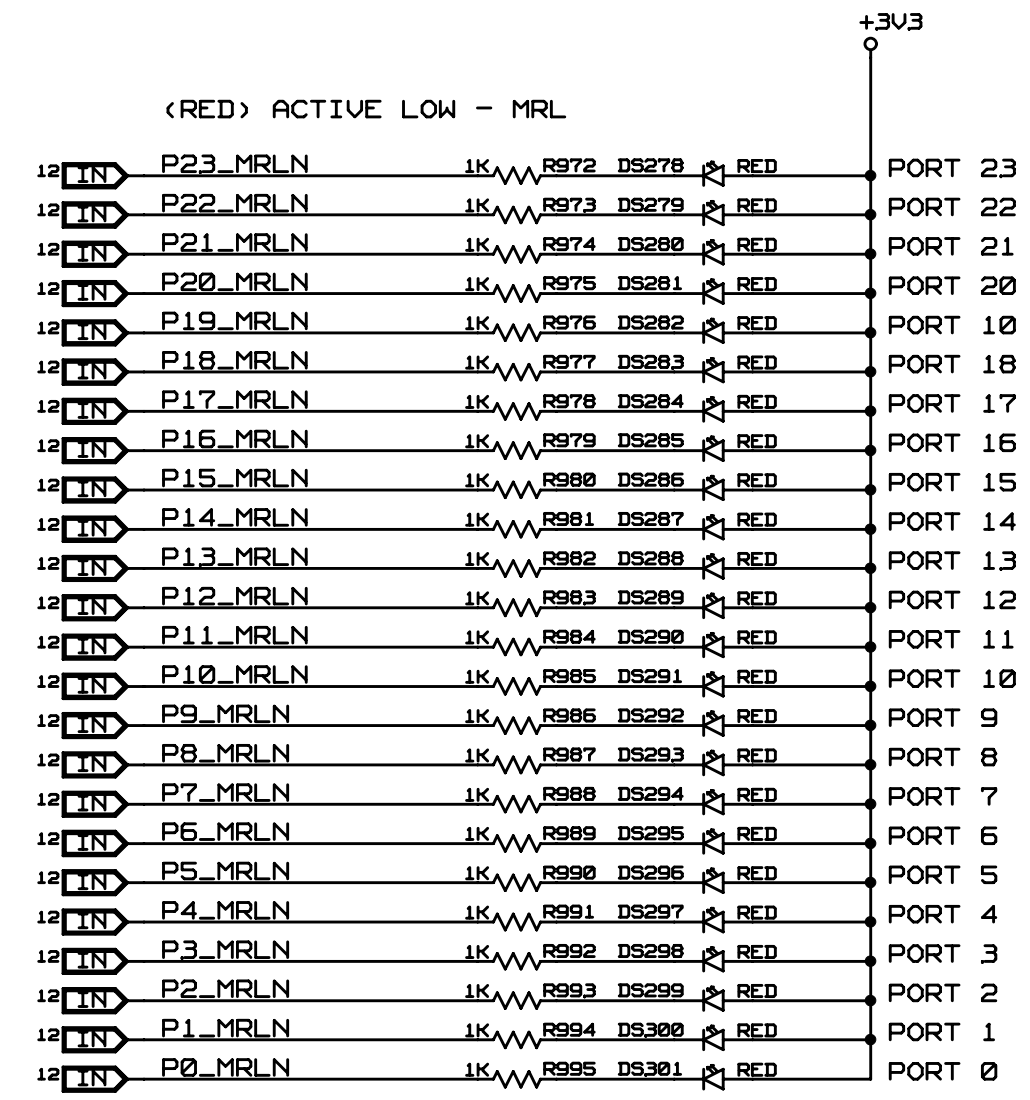
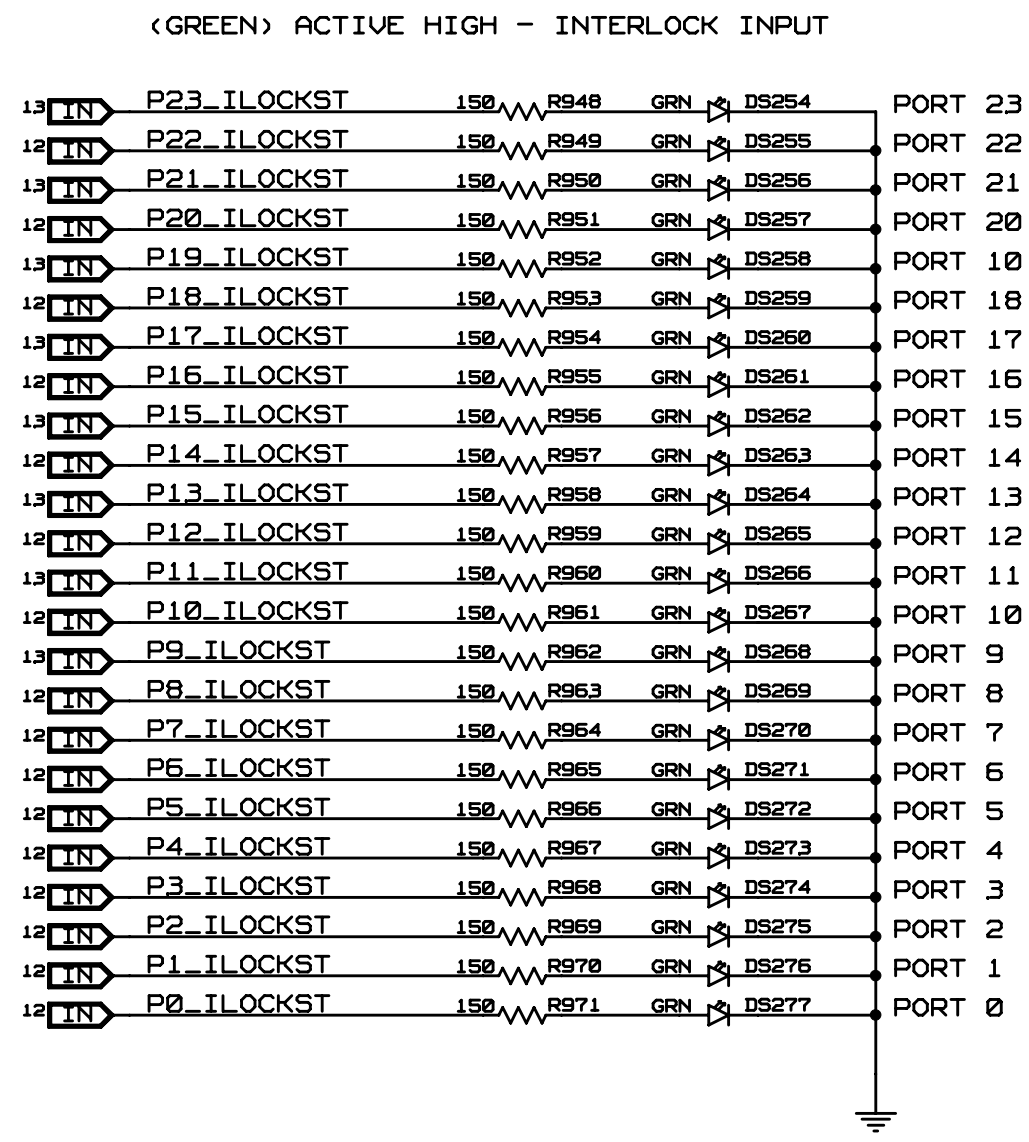
LED - PORT STATUS (1 OF 7)

SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
AUTHOR Tony Tran		CHECKED BY Derek Huang	
Mon Apr 19 14:30:52 2010			SHEET 32 OF 50



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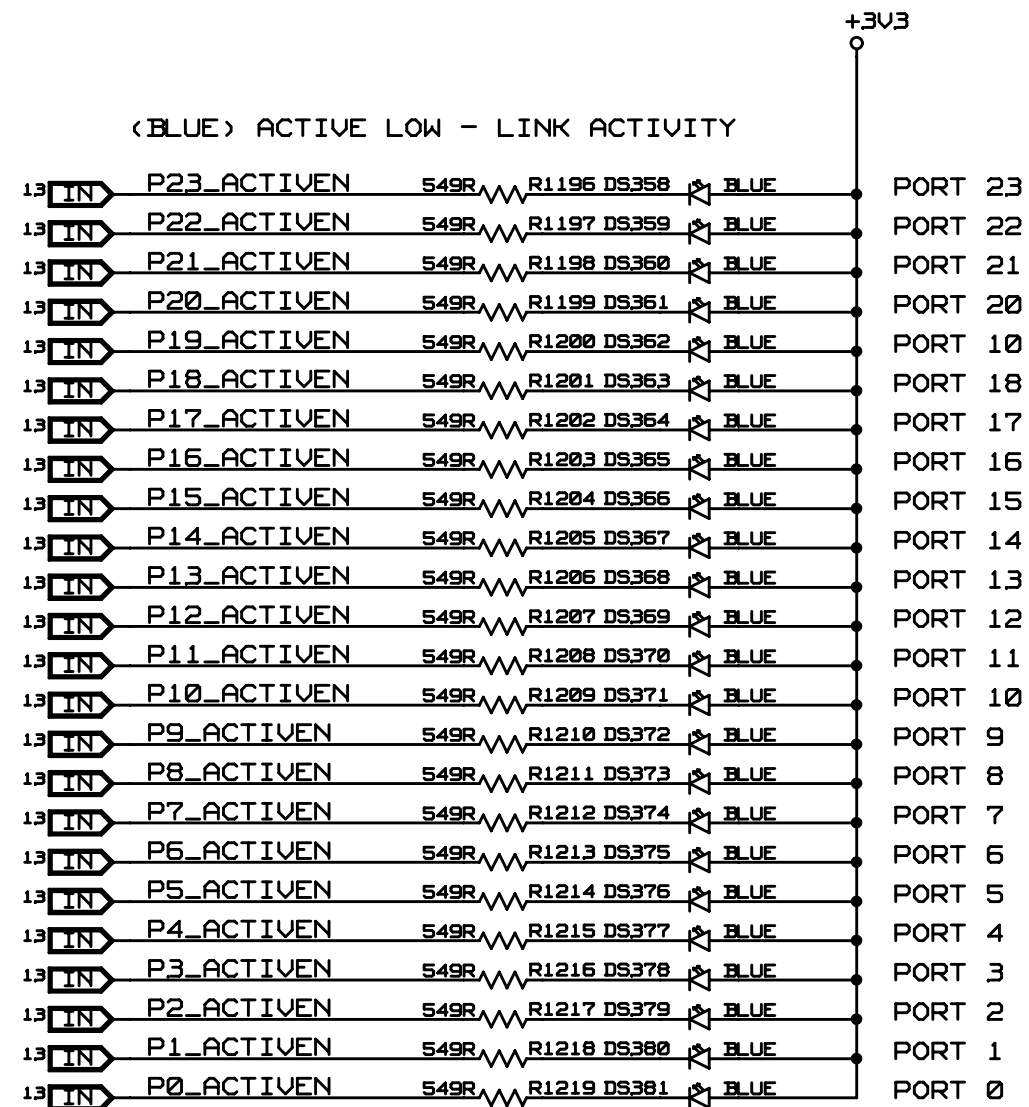
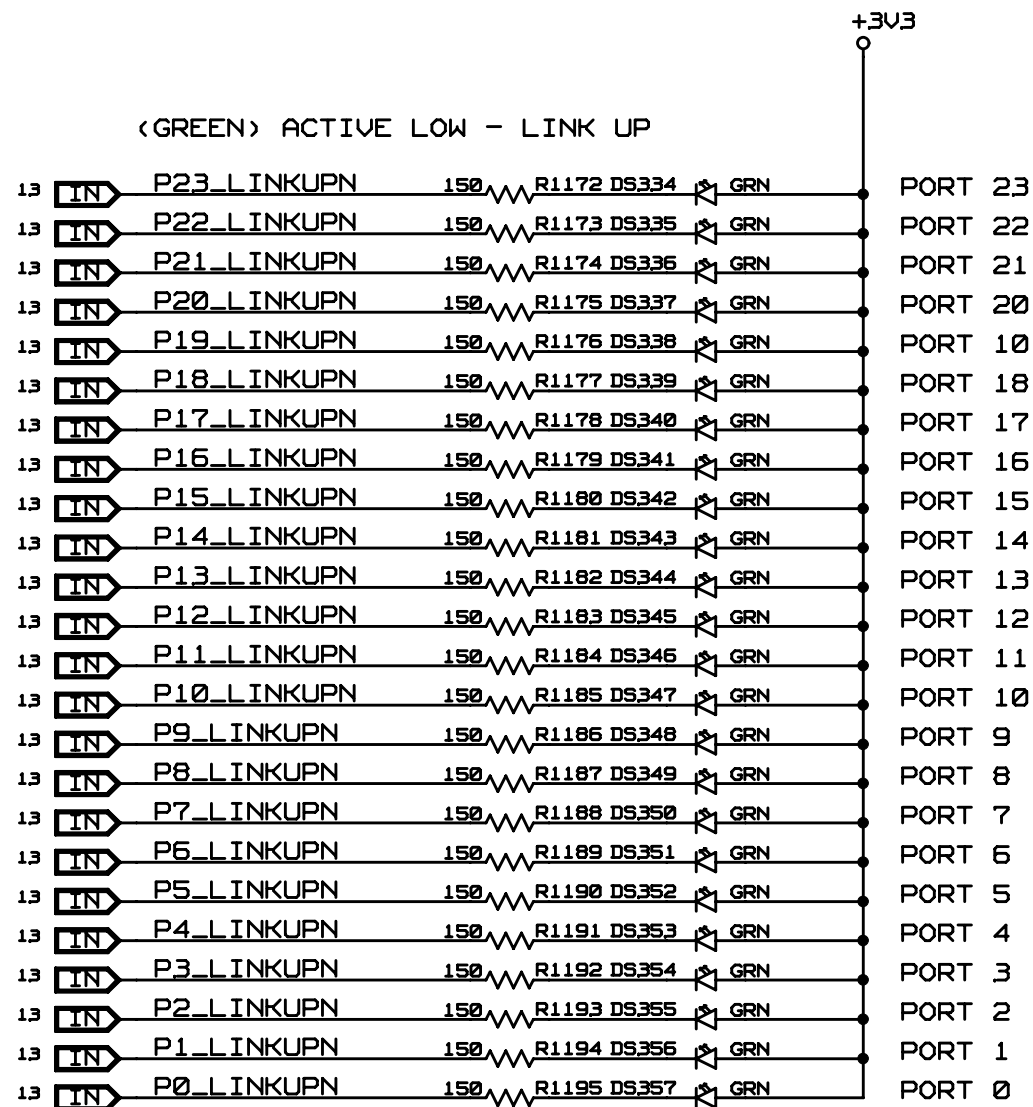
TITLE EB-LOGAN-23			
LED - PORT STATUS (3 OF 7)			
SIZE	DRAWING NO.	FAB P/N	REV.
B	SCH-PESEB-001	18-691-000	1.1
AUTHOR		CHECKED BY	
Tony Tran		Derek Huang	
Mon Apr 19 14:30:53 2010			SHEET 34 OF 50





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TITLE EB-LOGAN-23			
LED - PORT STATUS (5 OF 7)			
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
AUTHOR Tony Tran		CHECKED BY Derek Huang	
Mon Apr 19 14:30:54 2010			SHEET 36 OF 50



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TITLE EB-LOGAN-23

LED - PORT STATUS (7 OF 7)

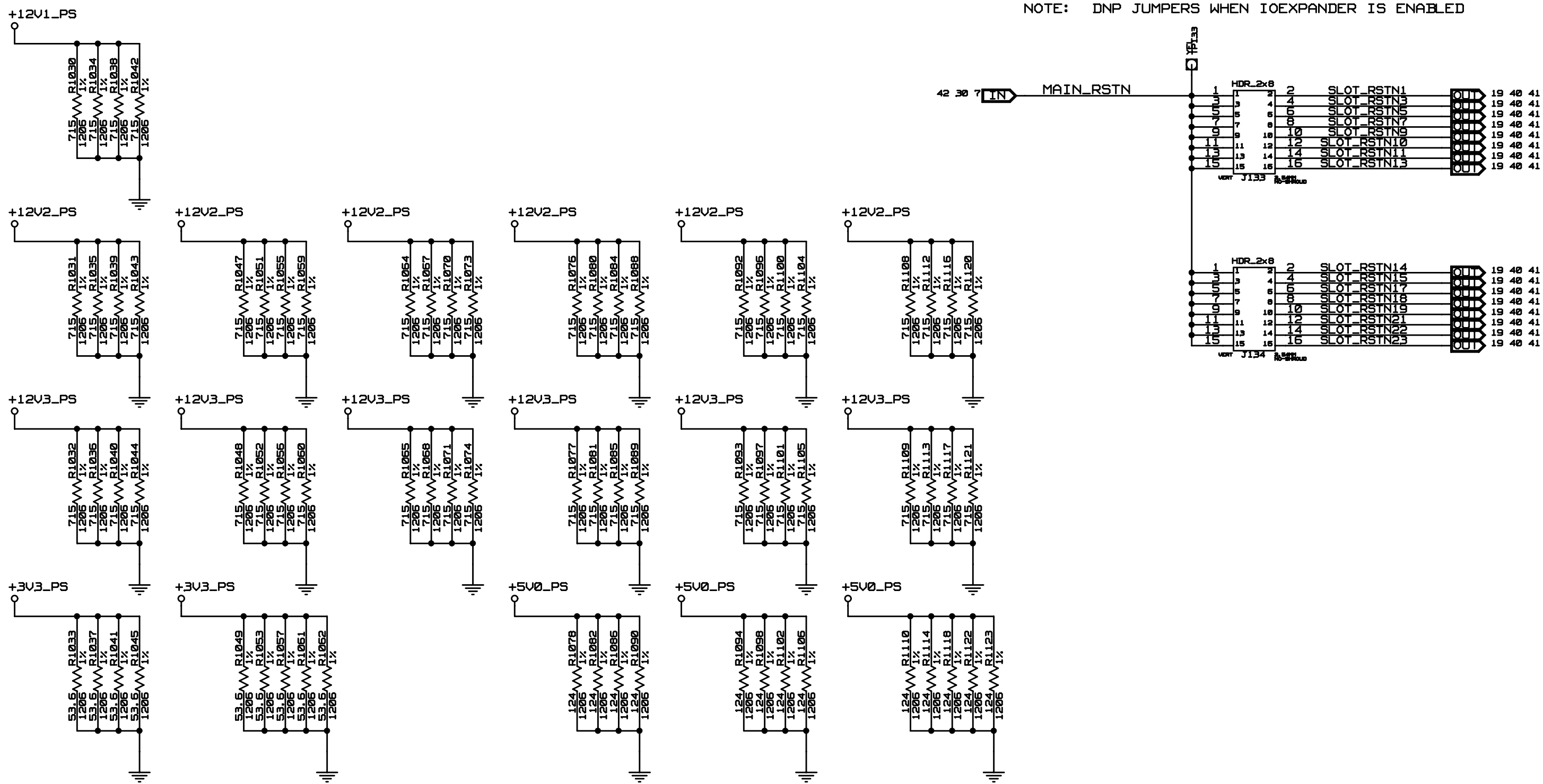
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
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AUTHOR Tony Tran	CHECKED BY Derek Huang
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Mon Apr 19 14:30:54 2010

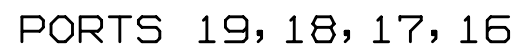
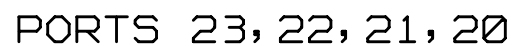
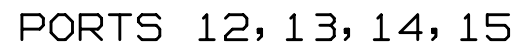
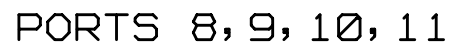
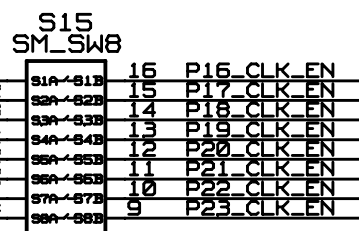
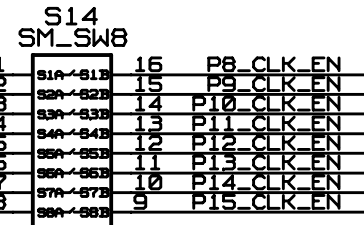
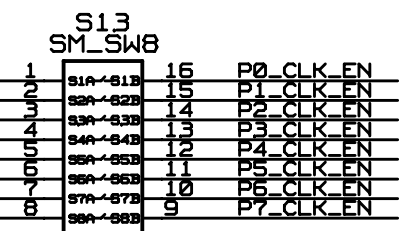
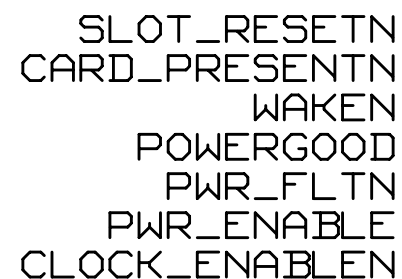
SHEET 38 OF 50

MINIMUM POWER SUPPLY LOADS



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TITLE EB-LOGAN-23			
MIN LOAD RESISTORS			
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
AUTHOR Tony Tran		CHECKED BY Derek Huang	
Mon Apr 19 14:30:59 2010			SHEET 39 OF 50



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TITLE	EB-LOGAN-23
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SIDEBAND CONNECTORS

SIZE	DRAWING NO.	FAB P/N	REV.
B	SCH-PESEB-001	18-691-000	1.1

AUTHOR Tony Tran	CHECKED BY Derek Huang
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Mon Apr 19 14:30:55 2010	SHEET 40 OF 50
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D

D

C

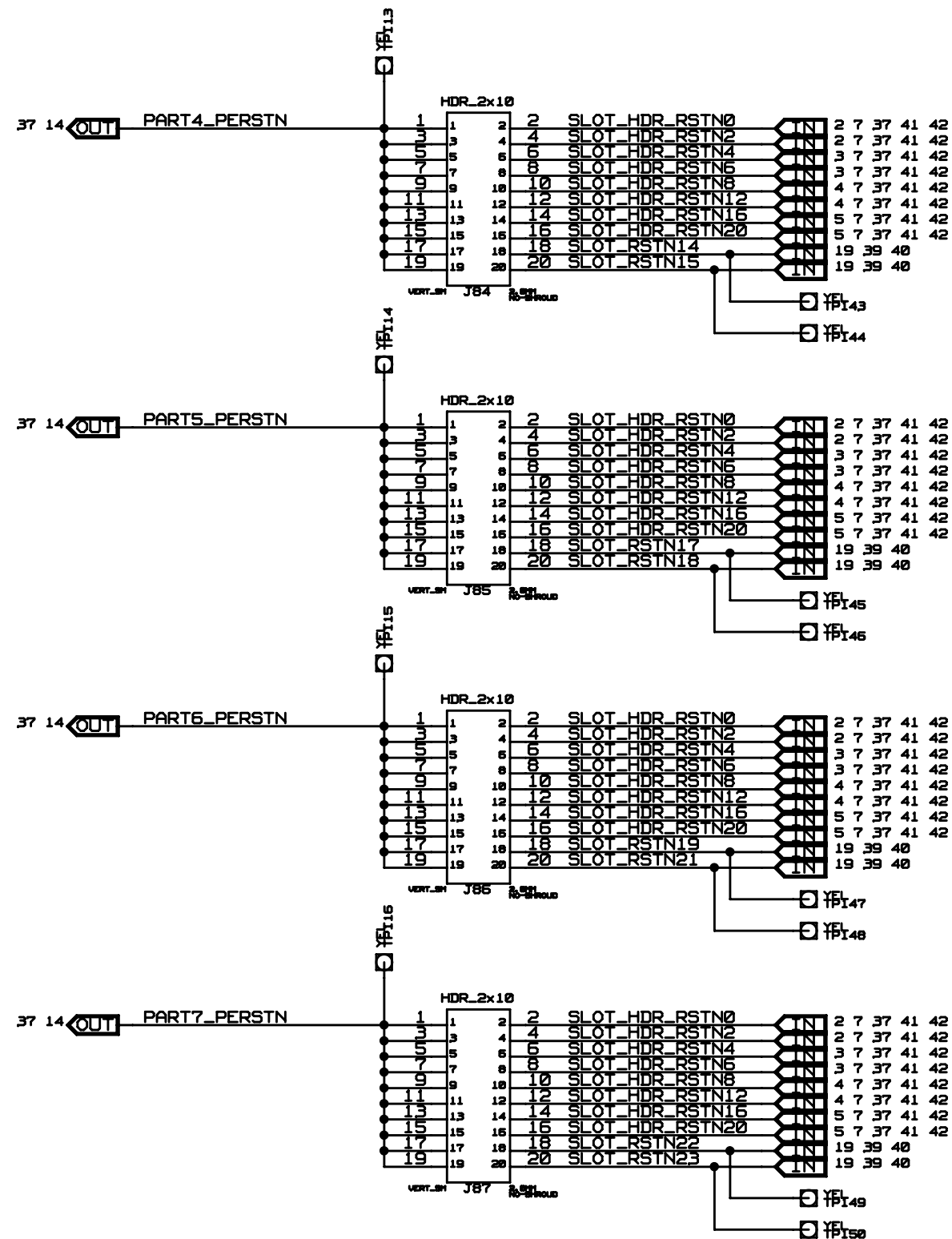
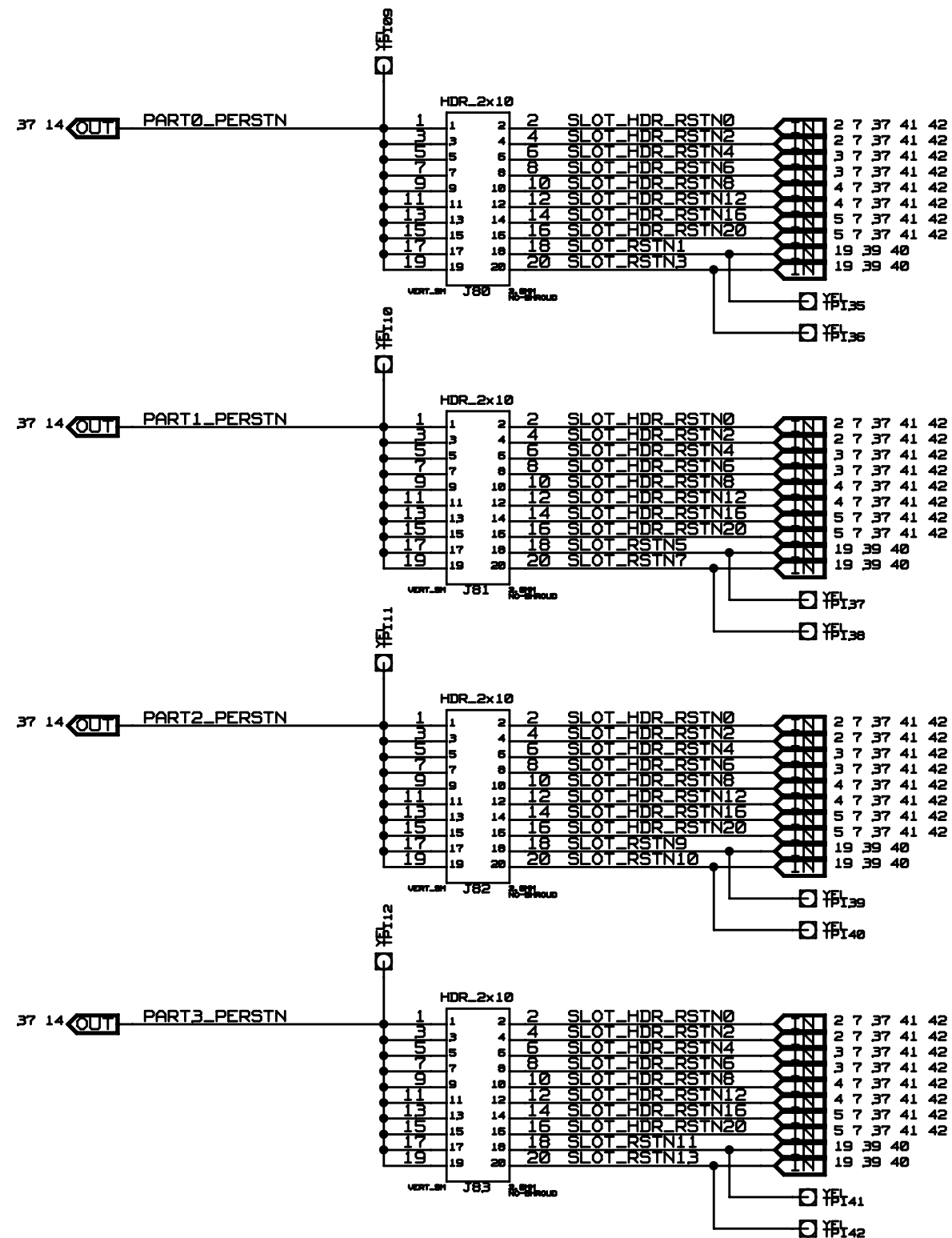
C

B

B

A

A



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TITLE EB-LOGAN-23

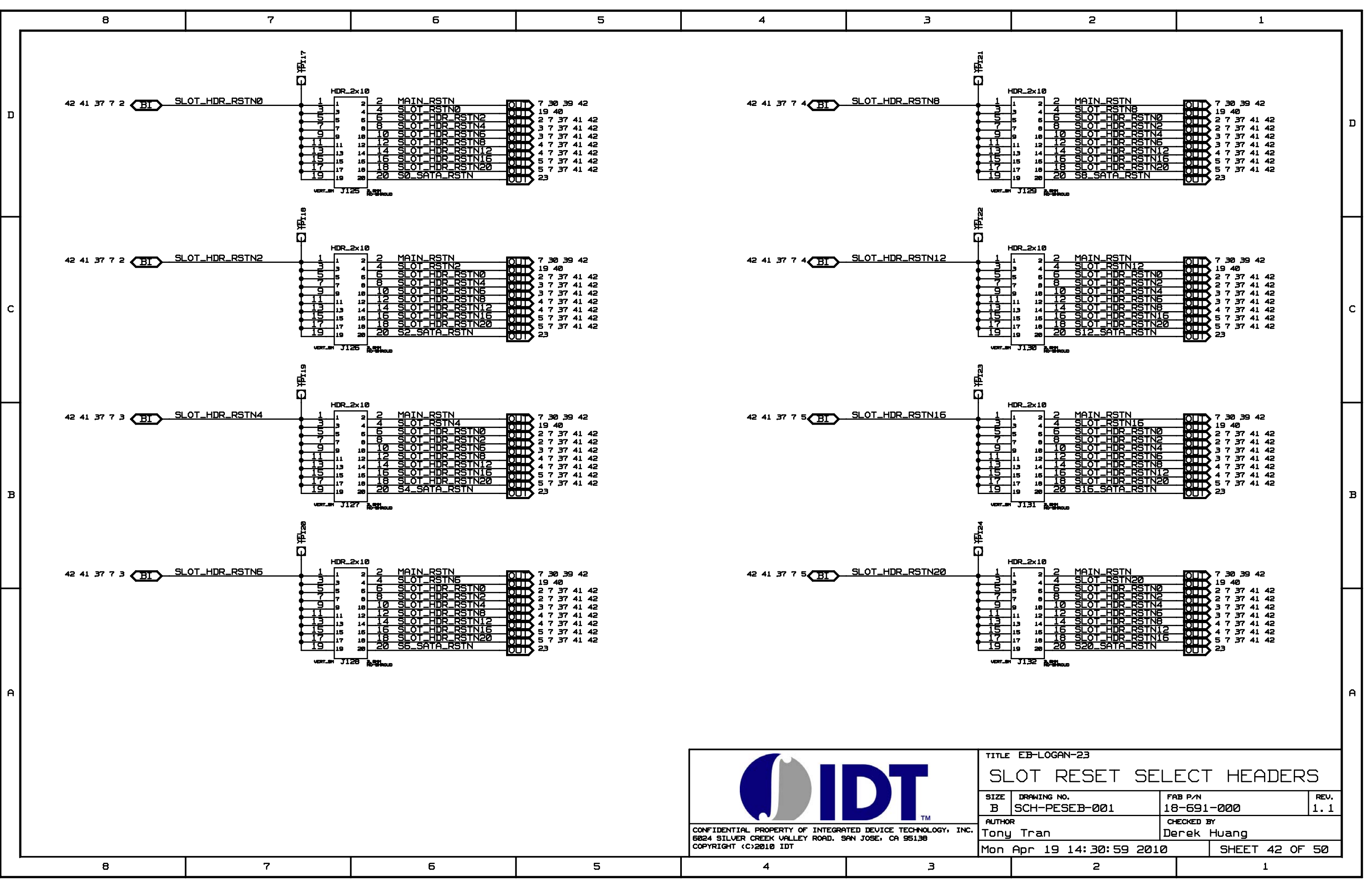
PARTITION RESET SELECT HEADERS

SIZE	DRAWING NO.	FAB P/N	REV.
B	SCH-PESEB-001	18-691-000	1.1

AUTHOR	CHECKED BY
Tony Tran	Derek Huang

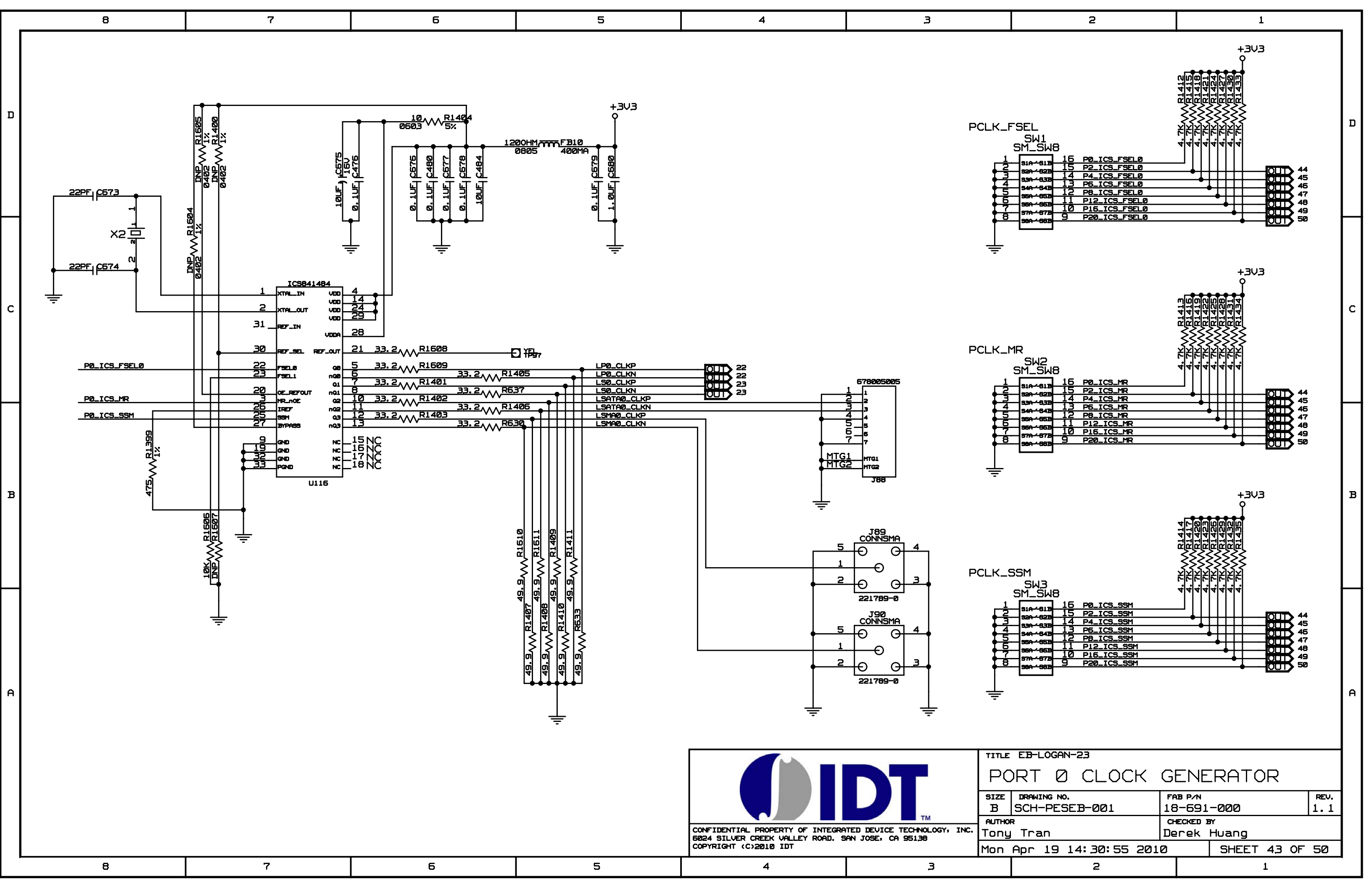
Mon Apr 19 14:30:59 2010

SHEET 41 OF 50



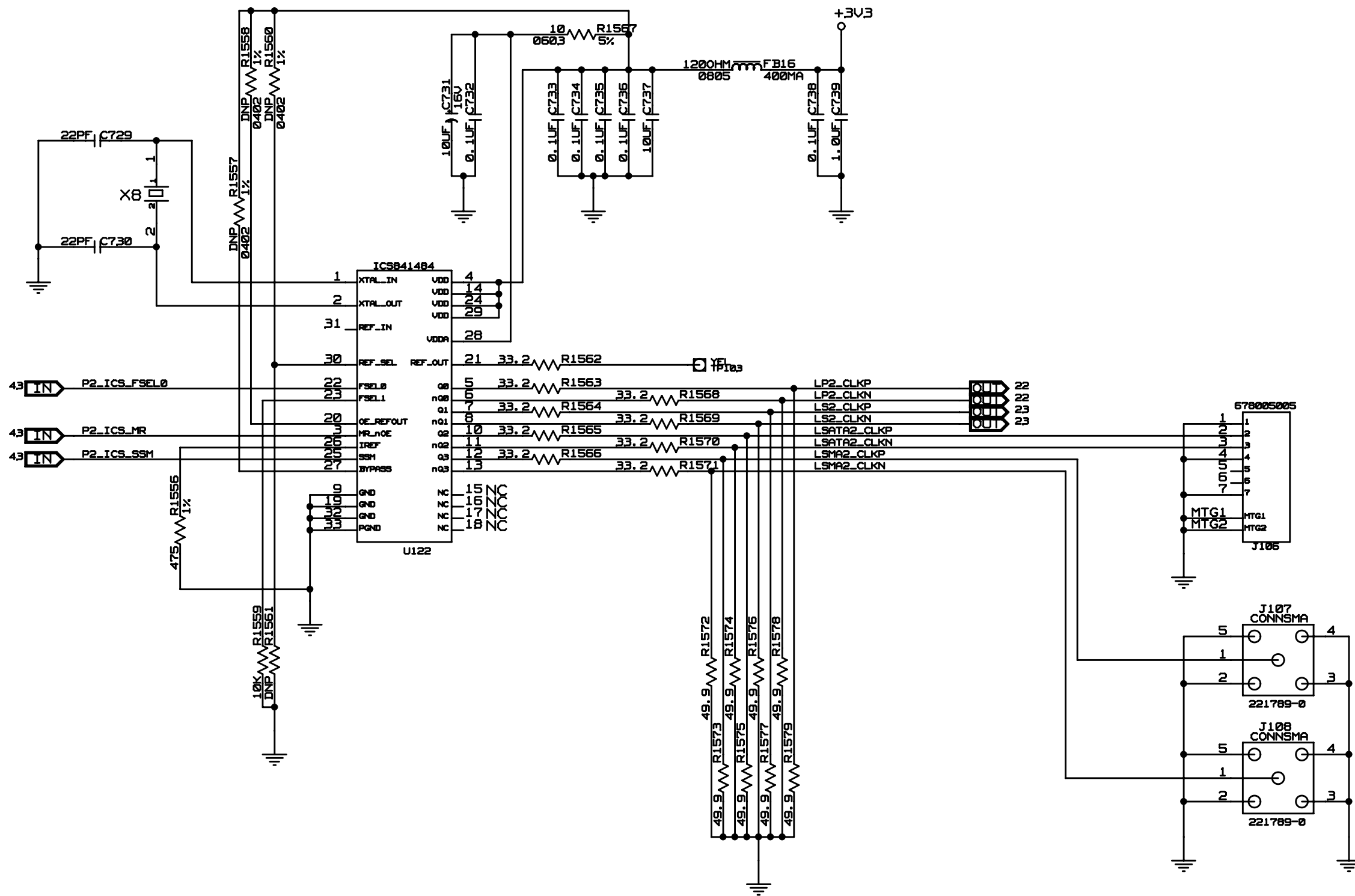
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TITLE EB-LOGAN-23			
SLOT RESET SELECT HEADERS			
SIZE	DRAWING NO.	FAB P/N	REV.
B	SCH-PESEB-001	18-691-000	1.1
AUTHOR		CHECKED BY	
Tony Tran		Derek Huang	
Mon Apr 19 14:30:59 2010			SHEET 42 OF 50



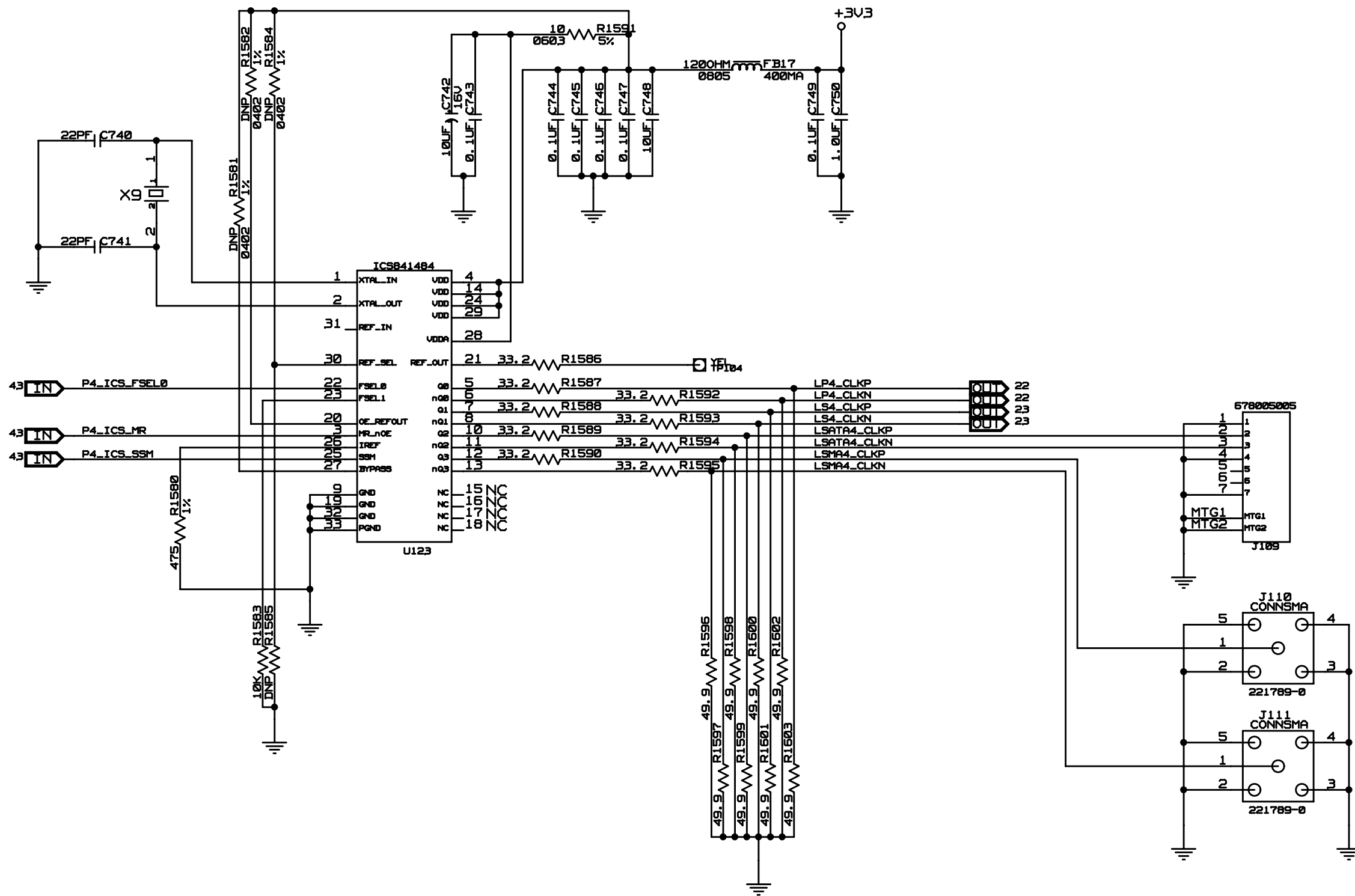
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TITLE EB-LOGAN-23			
PORT 0 CLOCK GENERATOR			
SIZE	DRAWING NO.	FAB P/N	REV.
B	SCH-PESEB-001	18-691-000	1.1
AUTHOR		CHECKED BY	
Tony Tran		Derek Huang	
Mon Apr 19 14:30:55 2010			SHEET 43 OF 50



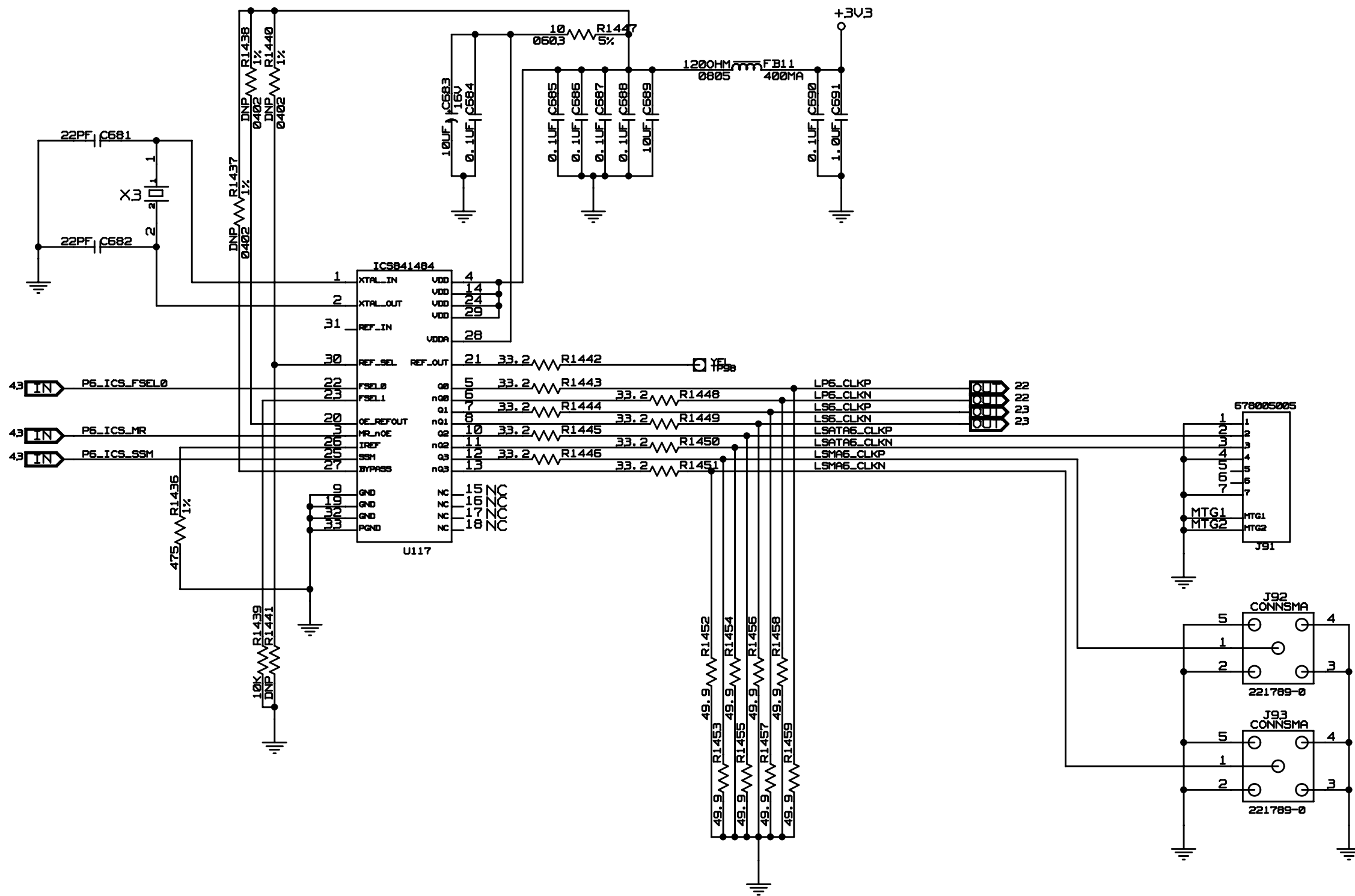
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TITLE EB-LOGAN-23			
PORT 2 CLOCK GENERATOR			
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
AUTHOR Tony Tran		CHECKED BY Derek Huang	
Mon Apr 19 14:30:55 2010			SHEET 44 OF 50



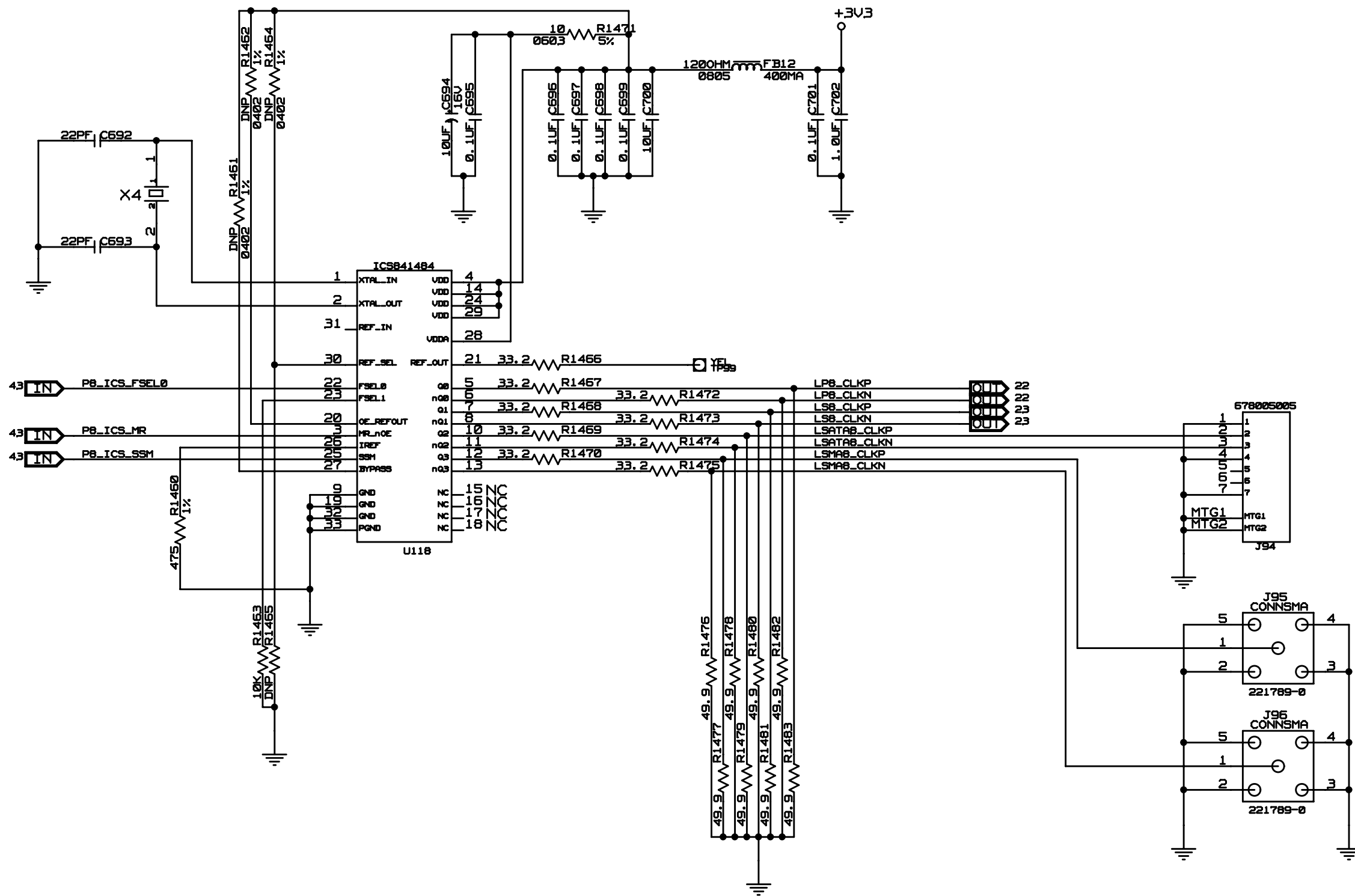
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TITLE EB-LOGAN-23			
PORT 4 CLOCK GENERATOR			
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
AUTHOR Tony Tran		CHECKED BY Derek Huang	
Mon Apr 19 14:30:55 2010			SHEET 45 OF 50



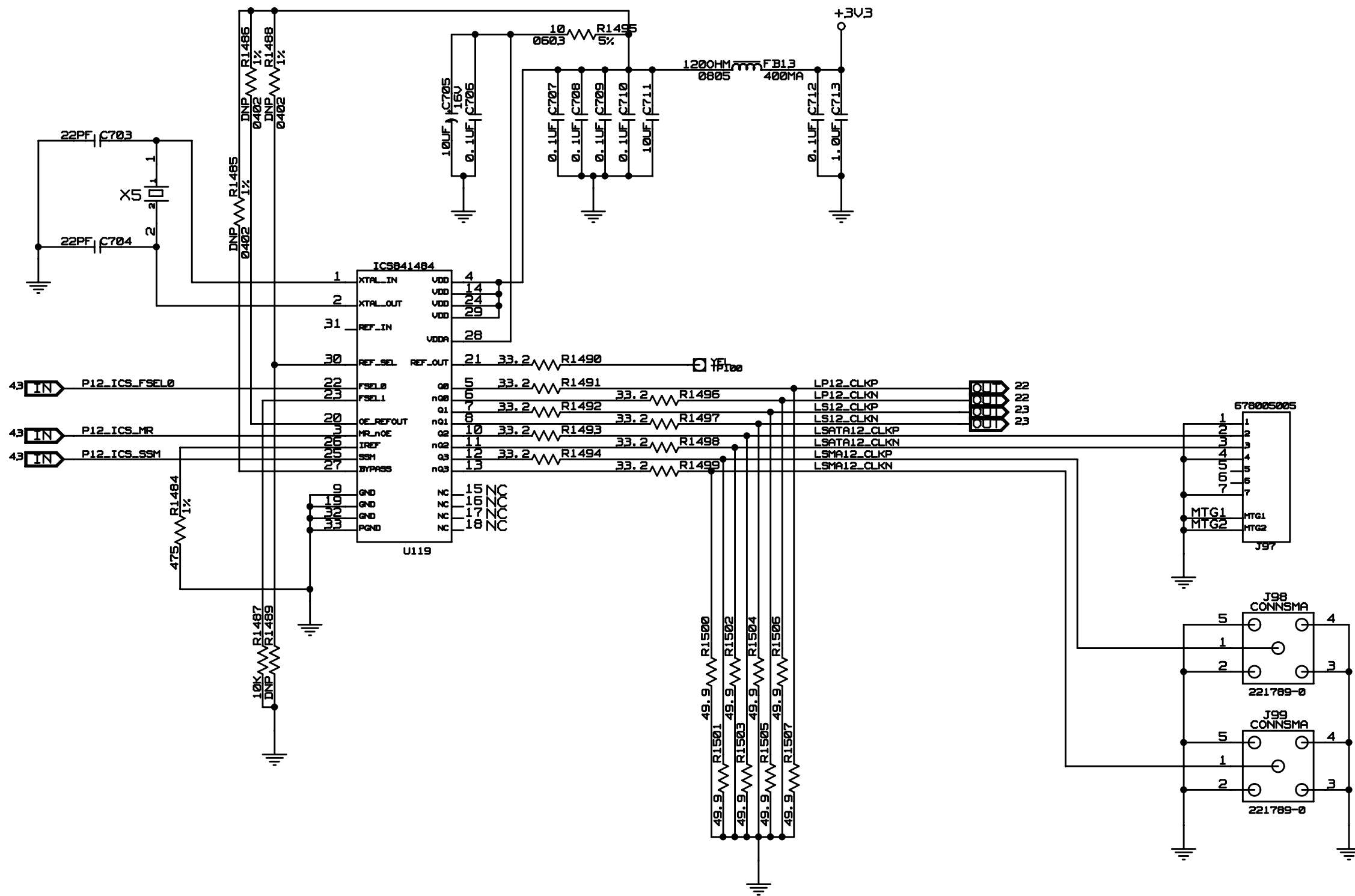
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TITLE EB-LOGAN-23			
PORT 6 CLOCK GENERATOR			
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
AUTHOR Tony Tran		CHECKED BY Derek Huang	
Mon Apr 19 14:30:56 2010			SHEET 46 OF 50



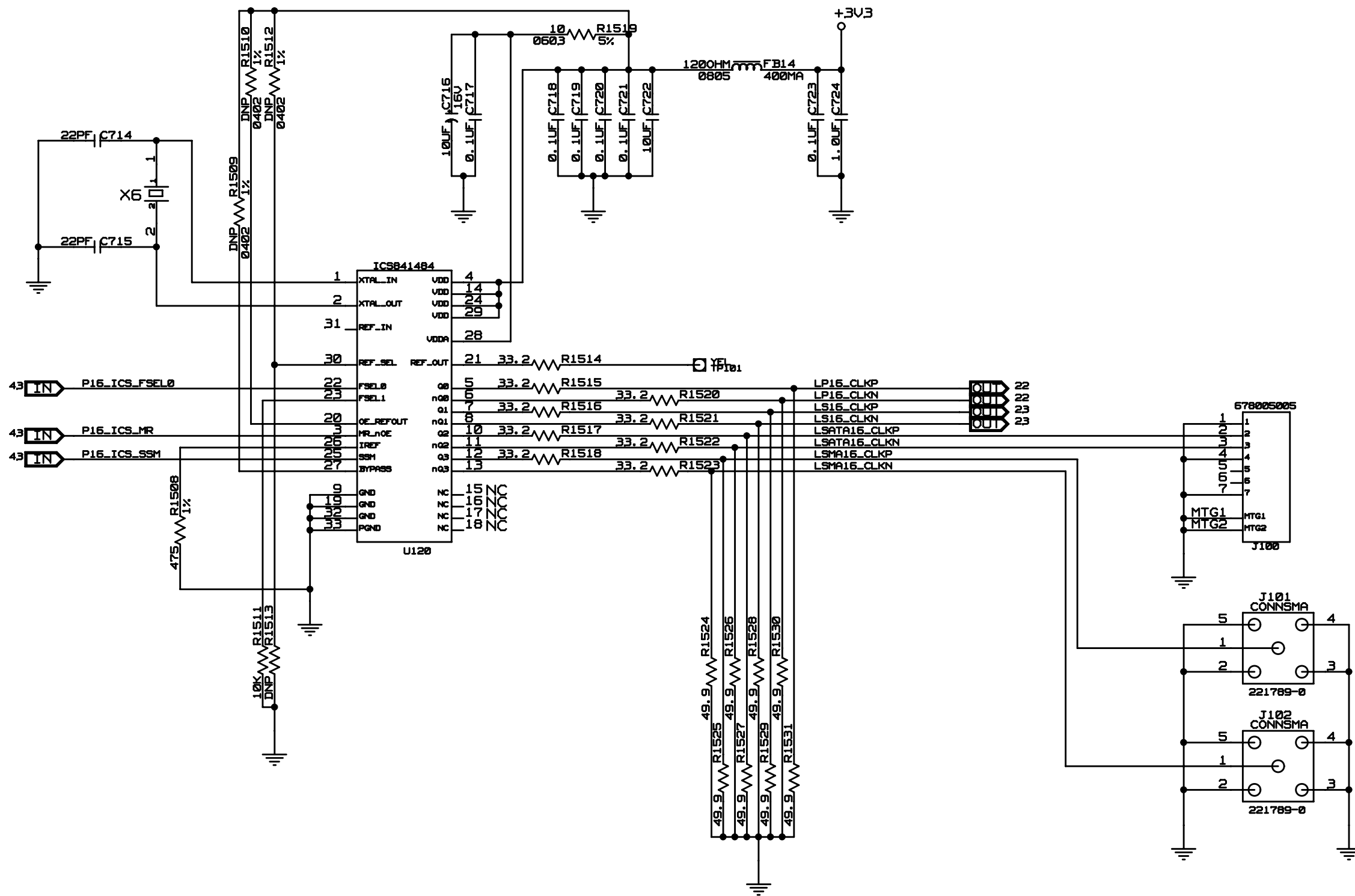
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TITLE EB-LOGAN-23			
PORT 8 CLOCK GENERATOR			
SIZE	DRAWING NO.	FAB P/N	REV.
B	SCH-PESEB-001	18-691-000	1.1
AUTHOR		CHECKED BY	
Tony Tran		Derek Huang	
Mon Apr 19 14:30:56 2010			SHEET 47 OF 50



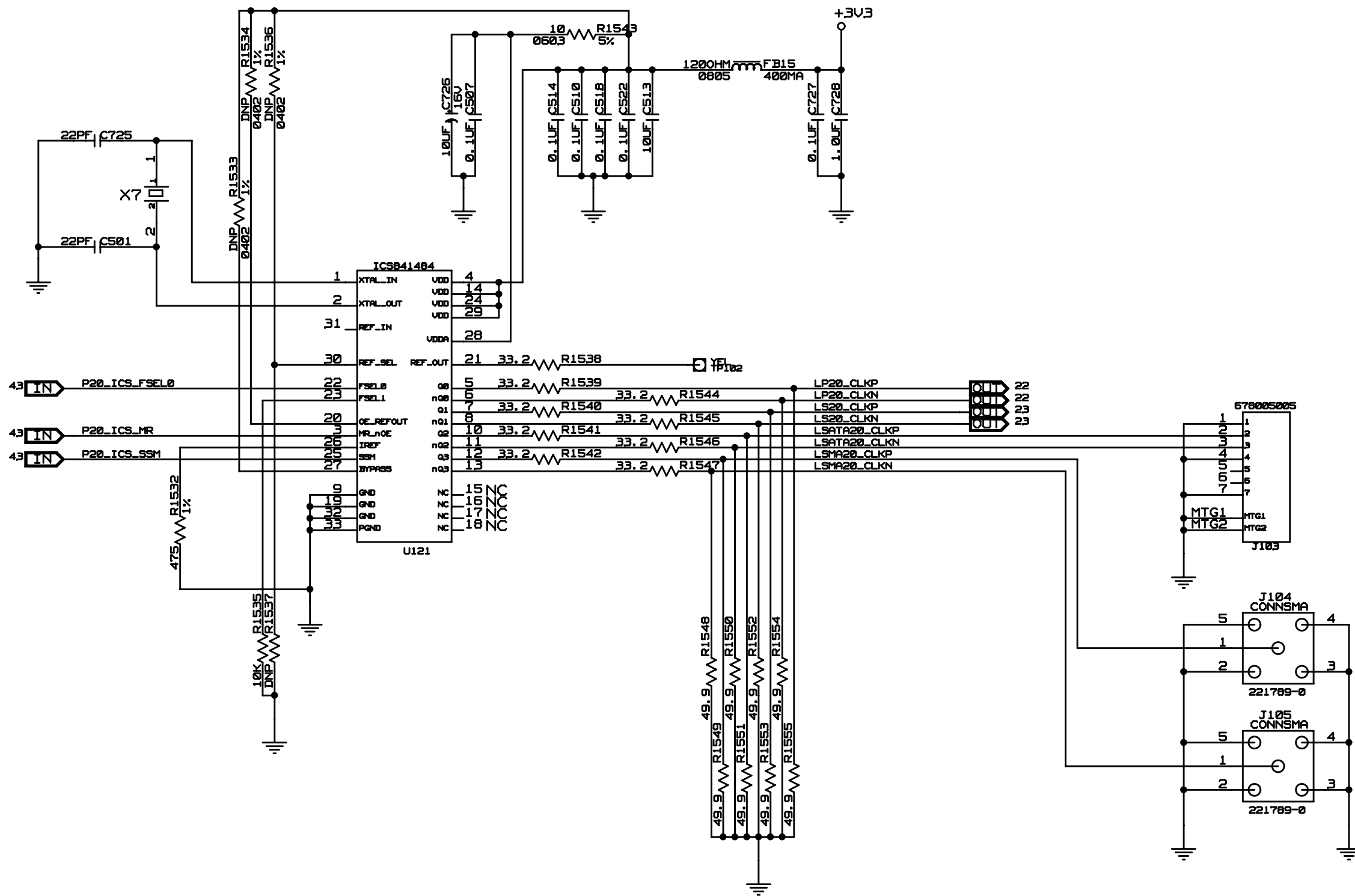
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TITLE EB-LOGAN-23			
PORT 12 CLOCK GENERATOR			
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
AUTHOR Tony Tran		CHECKED BY Derek Huang	
Mon Apr 19 14:30:56 2010			SHEET 48 OF 50



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TITLE EB-LOGAN-23			
PORT 16 CLOCK GENERATOR			
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
AUTHOR Tony Tran		CHECKED BY Derek Huang	
Mon Apr 19 14:30:56 2010			SHEET 49 OF 50



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TITLE EB-LOGAN-23			
PORT 20 CLOCK GENERATOR			
SIZE B	DRAWING NO. SCH-PESEB-001	FAB P/N 18-691-000	REV. 1.1
AUTHOR Tony Tran		CHECKED BY Derek Huang	
Mon Apr 19 14:30:56 2010			SHEET 50 OF 50