


REVISIONS				
DCN	REV	DESCRIPTION	DATE	CHANGE BY
STGC-0100R01	1.0	INITIAL RELEASE	2007-02-06	J.CARRILLO

SHEET DESCRIPTION

1	TABLE OF CONTENTS
2	BLOCK DIAGRAM
3	PES32H8 VSS
4	PES32H8 POWER
5	DECOUPLING CAPS
6	CLOCK REFERENCE
7	CLOCK DISTRIBUTION P1-5
8	CLOCK DISTRIBUTION P6-7
9	POWER SUPPLY
10	SMBUS REFCLK
11	PES32H8
12	IO EXPANDER P1 - P7
13	IO EXPANDER LINK STATUS
14	IO EXPANDER ATTN AND LEDS
15	HOT PLUG CONTROL PORT 2/3
16	HOT PLUG CONTROL PORT 4/5
17	HOT PLUG CONTROL PORT 6/7
18	HOT PLUG CONTROL PORT 1
19	PM PORT 0/1
20	PORT 0 CONNECTORS
21	PORT 1 CONNECTORS
22	PM PORT 2/3
23	PORT 2 CONNECTORS
24	PORT 3 CONNECTORS
25	PM PORT 4/5
26	PORT 4 CONNECTORS
27	PORT 5 CONNECTORS
28	PM PORT 6/7
29	PORT 6 CONNECTORS
30	PORT 7 CONNECTORS
31	WAKE



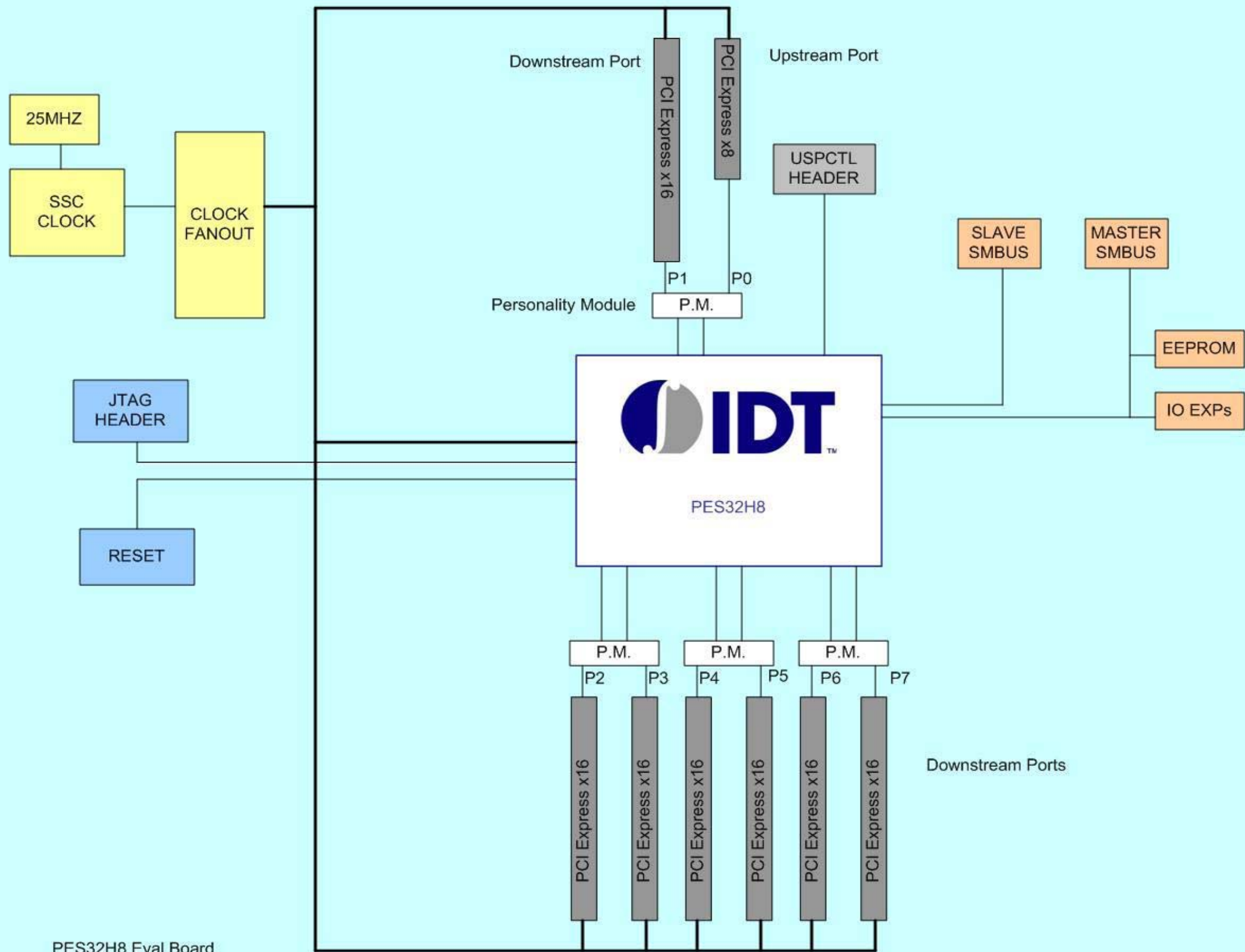
TITLE 89EBPES32H8

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI

CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007


Wednesday, July 18, 2007

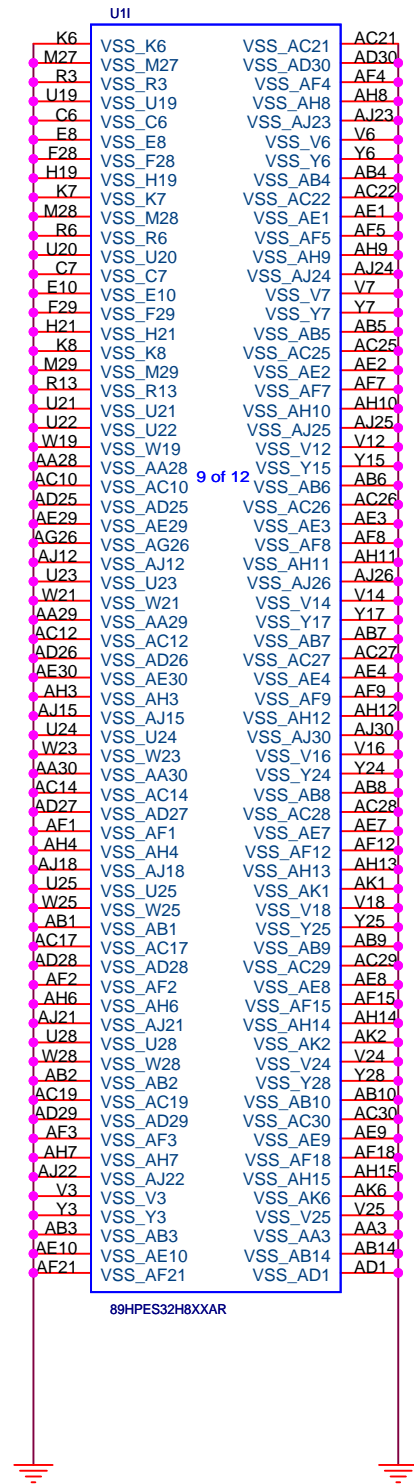
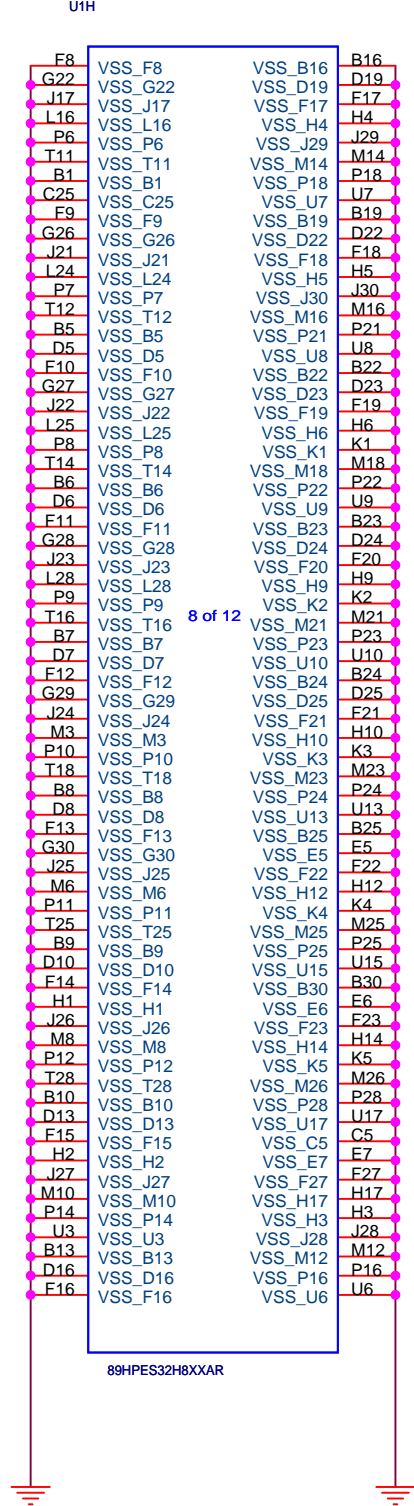
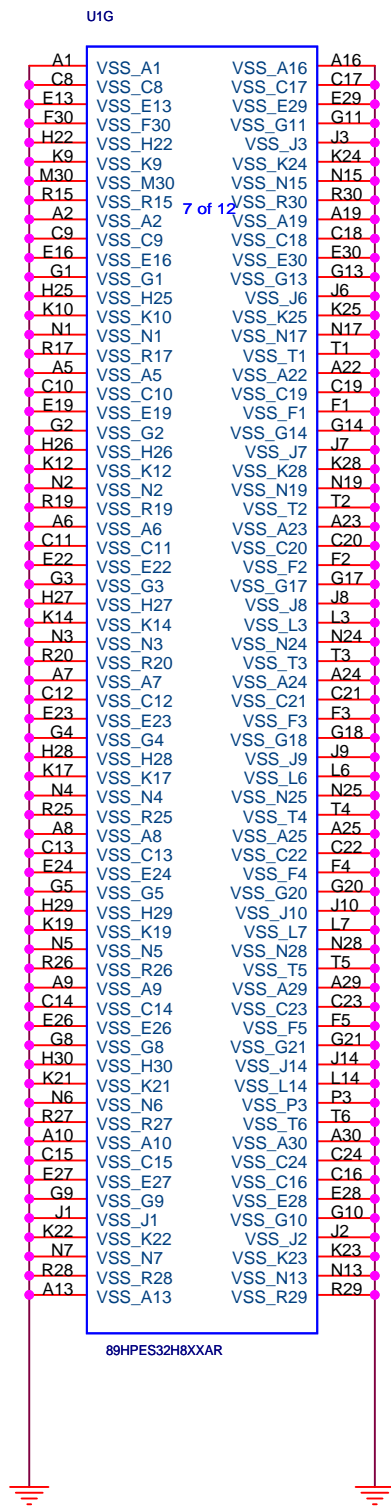
SHEET 1 OF 31

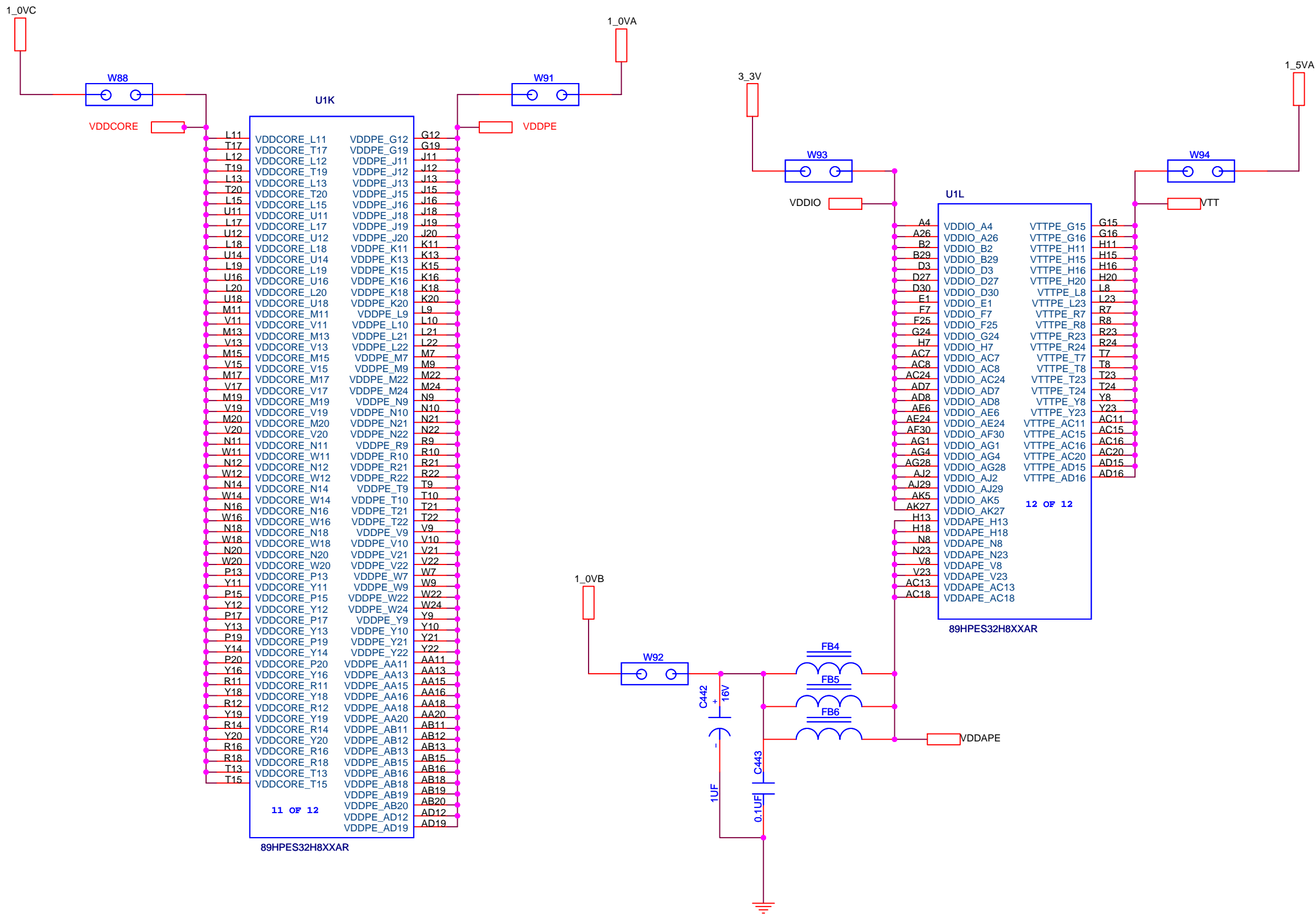



BLOCK DIAGRAM

PES32H8 Eval Board

		TITLE 89EBPES32H8			
		BLOCK DIAGRAM			
		SIZE	DRAWING NO.	FAB P/N	REV.
		B	STGSCH-00101	18-625-000	1.0
		AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI		
CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC. 6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138 COPYRIGHT (C) IDT 2007					
Wednesday, July 18, 2007			SHEET 2 OF 31		



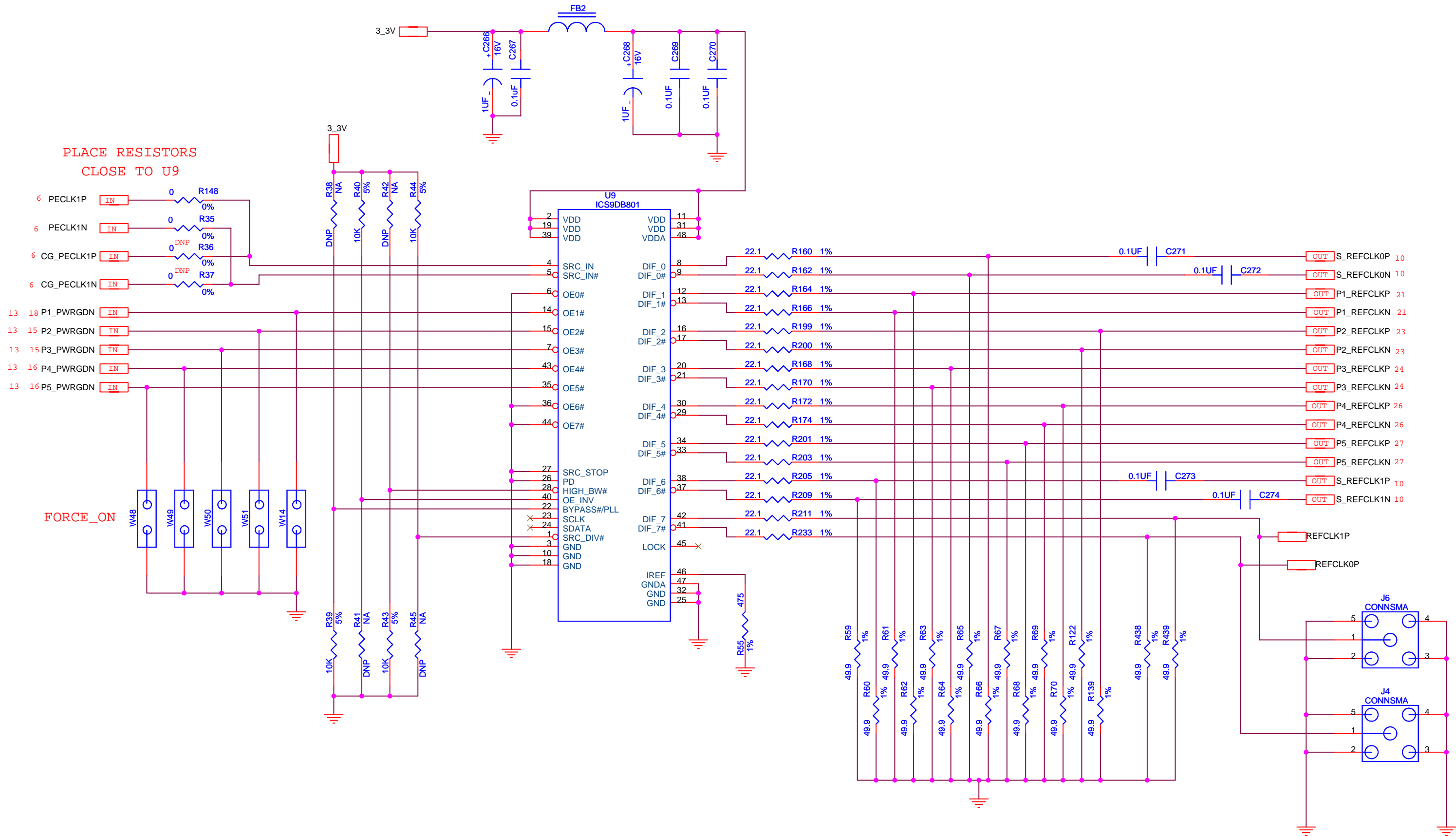




TITLE 89BPES32H8

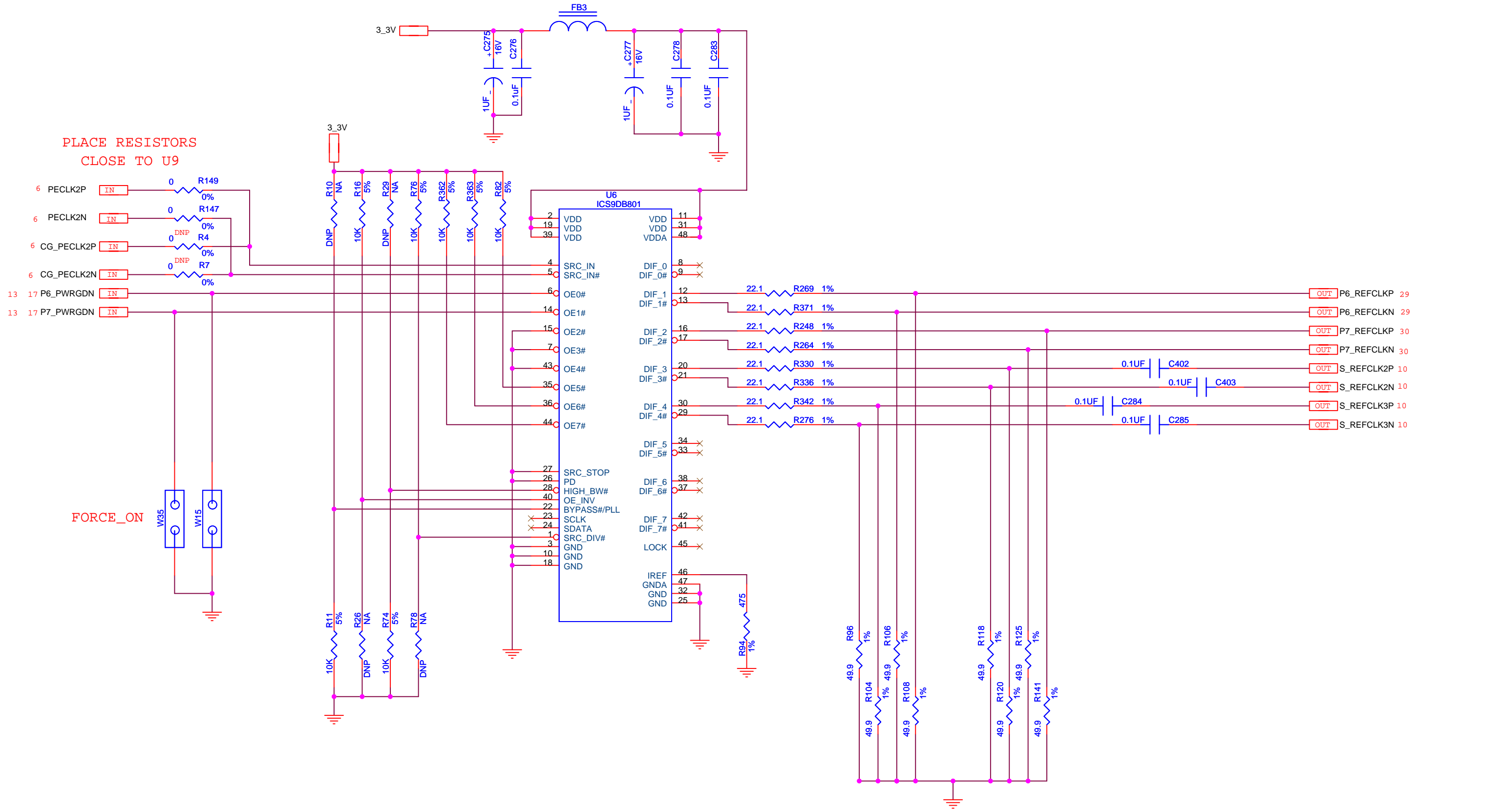
PES32H8 POWER


SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UМАIR/ALI
CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC. 6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138 COPYRIGHT (C) IDT 2007		Wednesday, July 18, 2007	SHEET 4 OF 31



TITLE 89EBPES32H8			
CLOCK DISTRIBUTION P1-5			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI
Wednesday, July 18, 2007		SHEET	7 OF 31

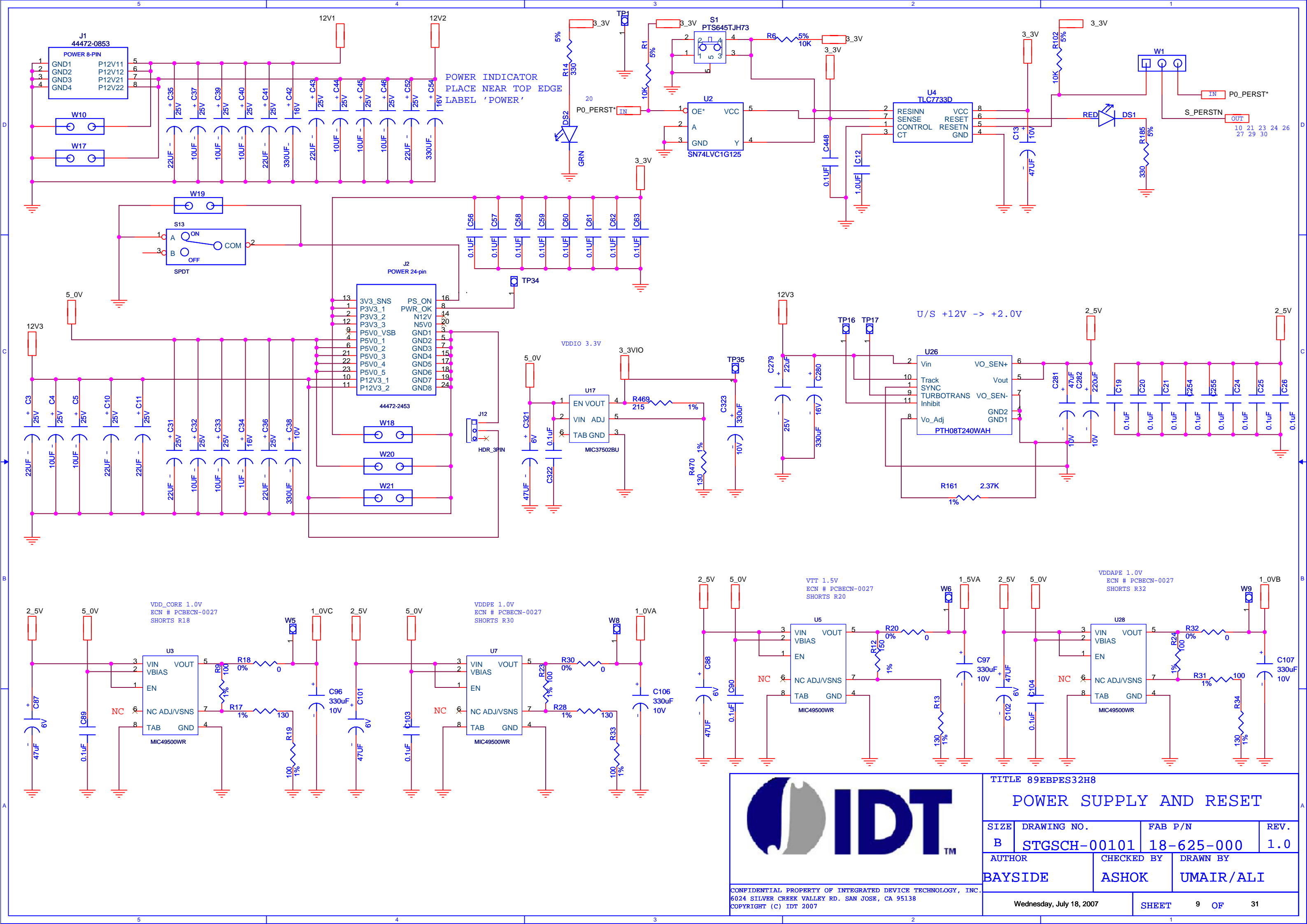
CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007






CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

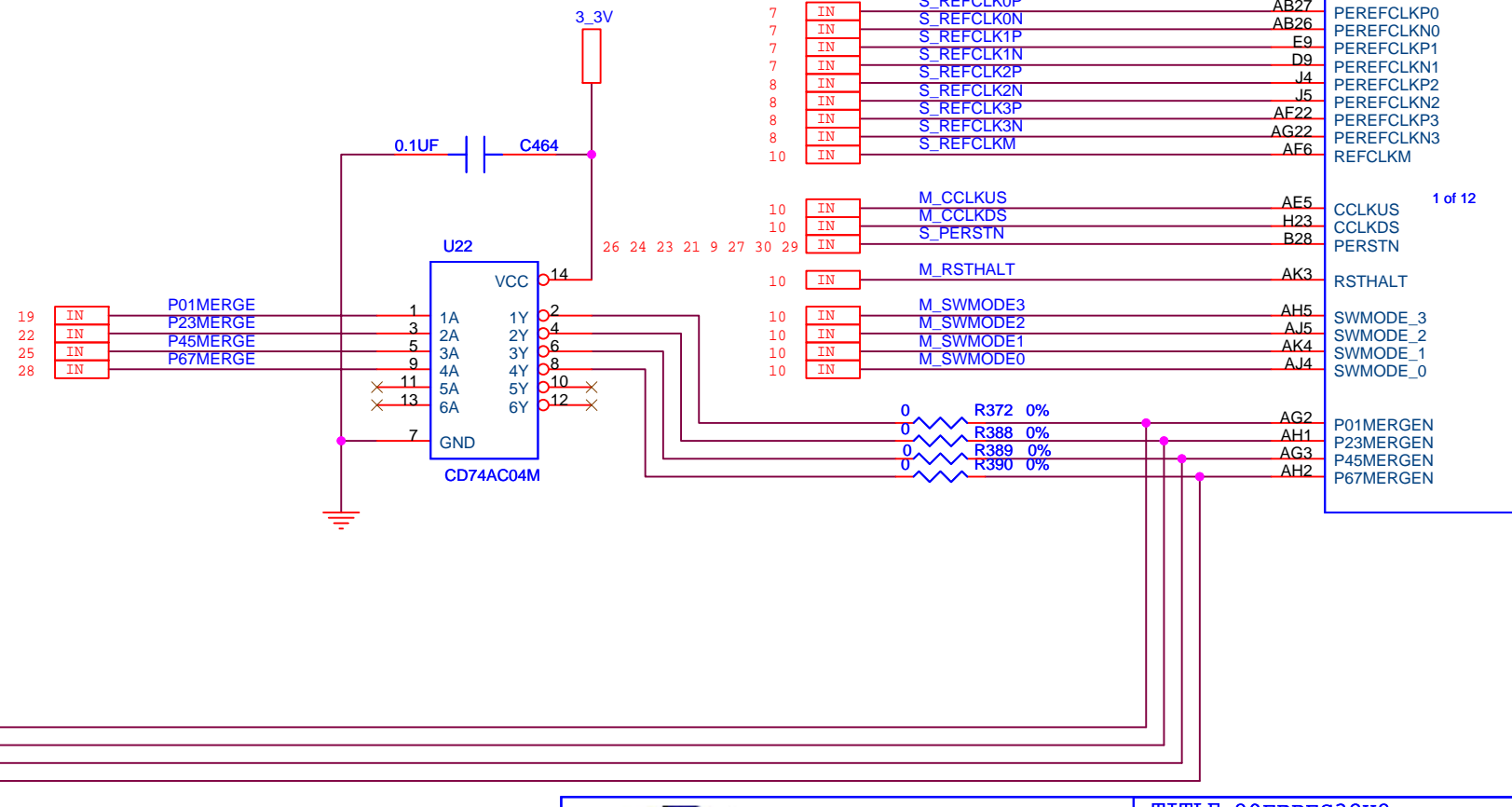
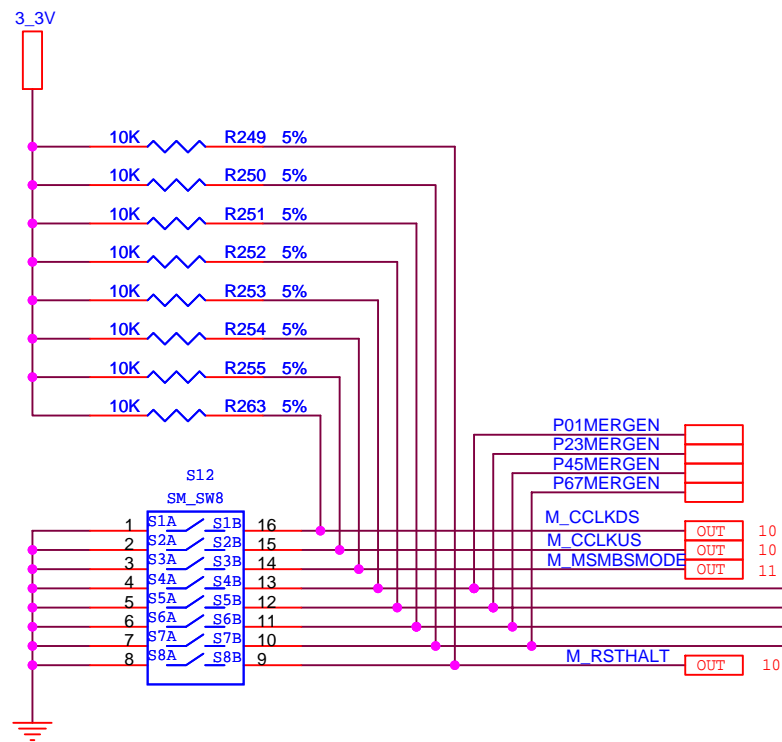
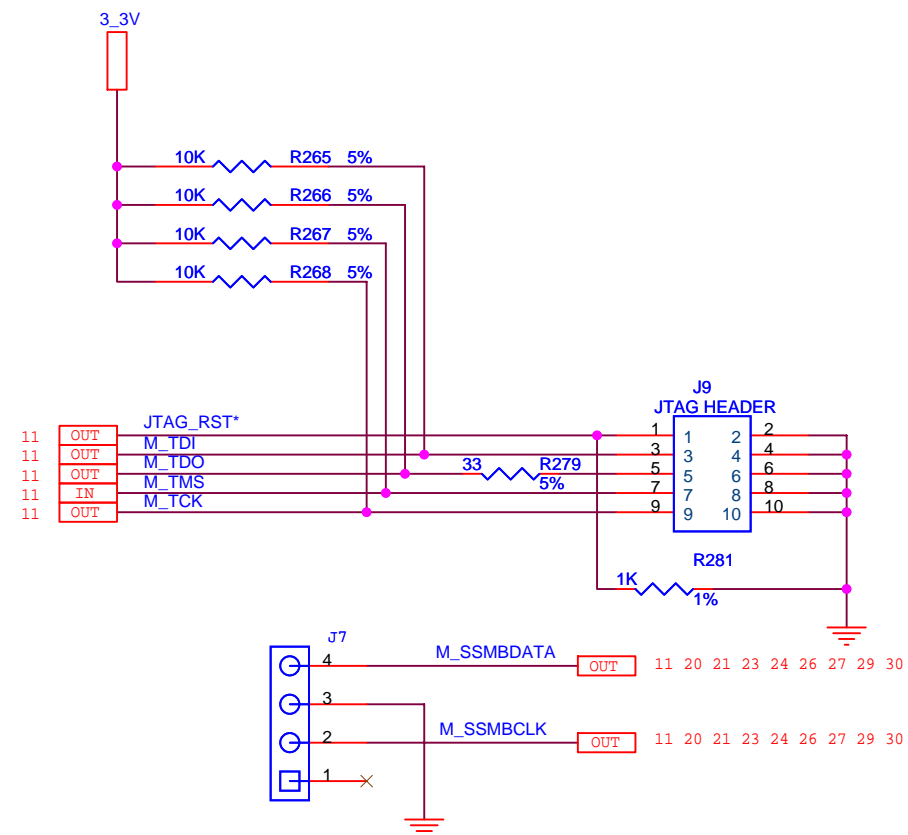
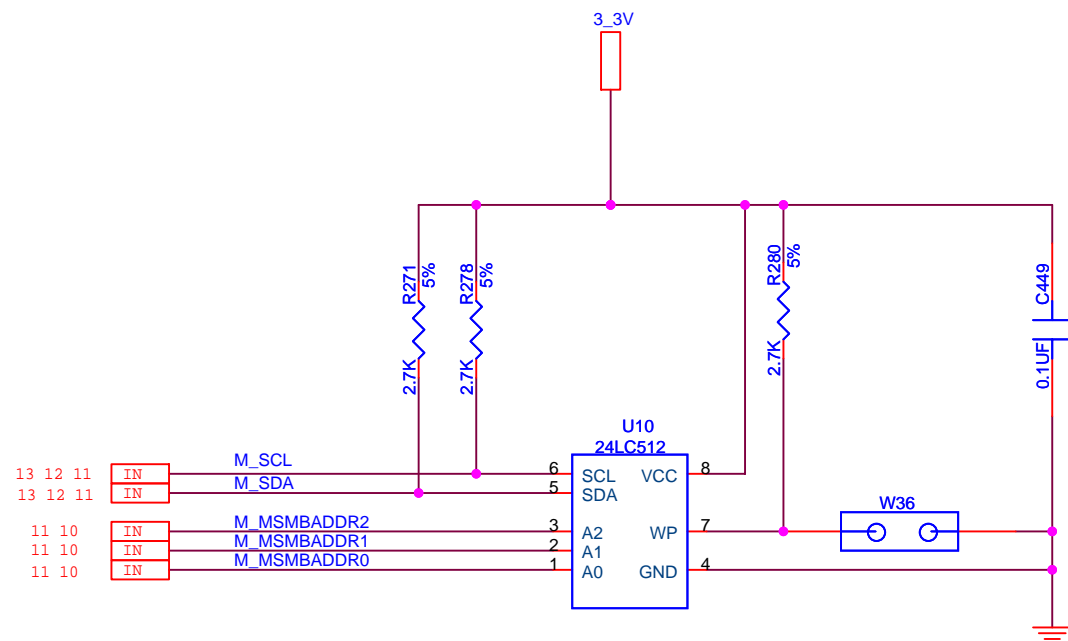
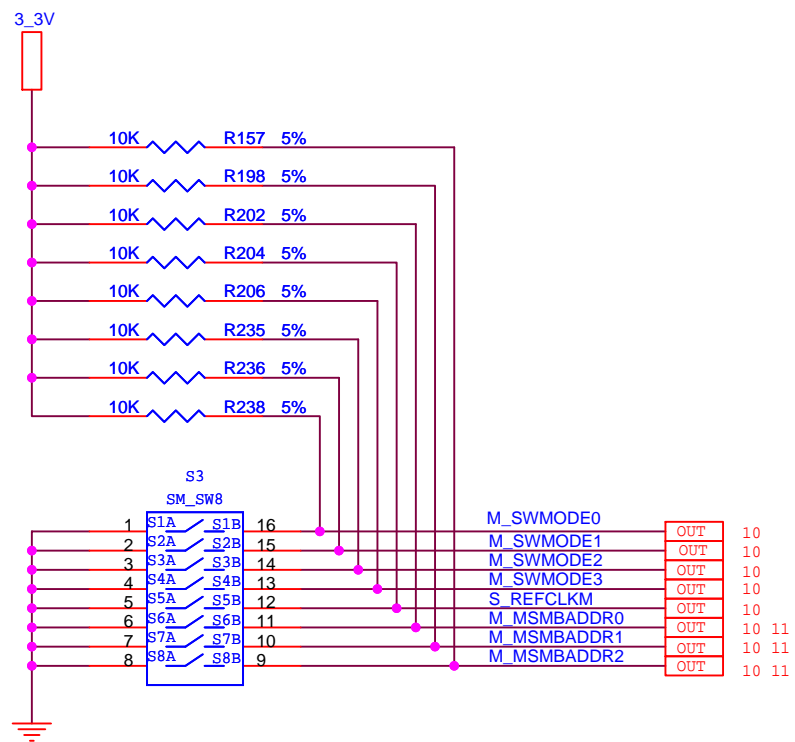
TITLE 89EBPES32H8			
CLOCK DISTRIBUTION P6-7			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI
Wednesday, July 18, 2007		SHEET	8 OF 31





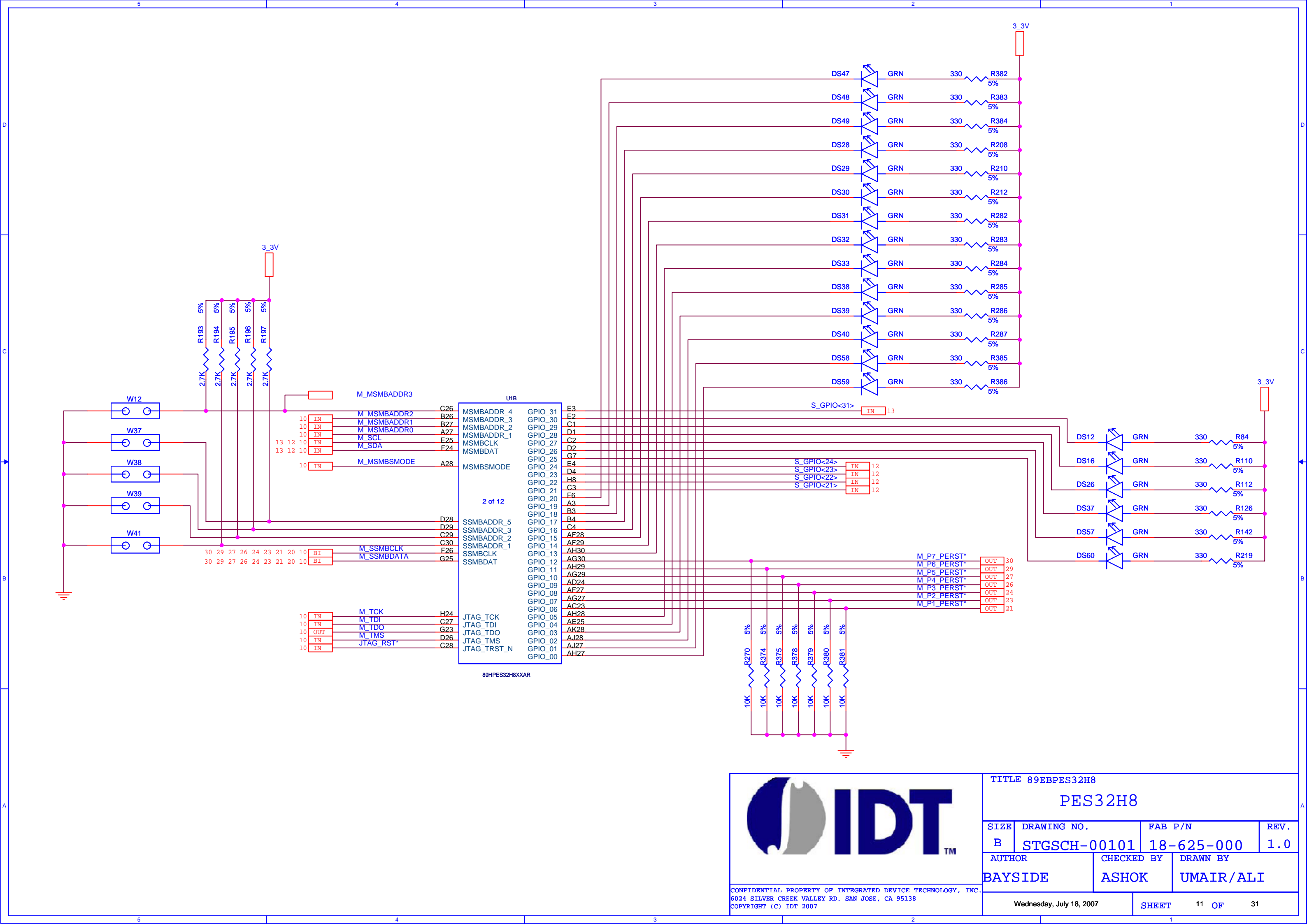
CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007


TITLE 89EBPES32H8			
POWER SUPPLY AND RESET			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI
Wednesday, July 18, 2007		SHEET	9 OF 31



CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

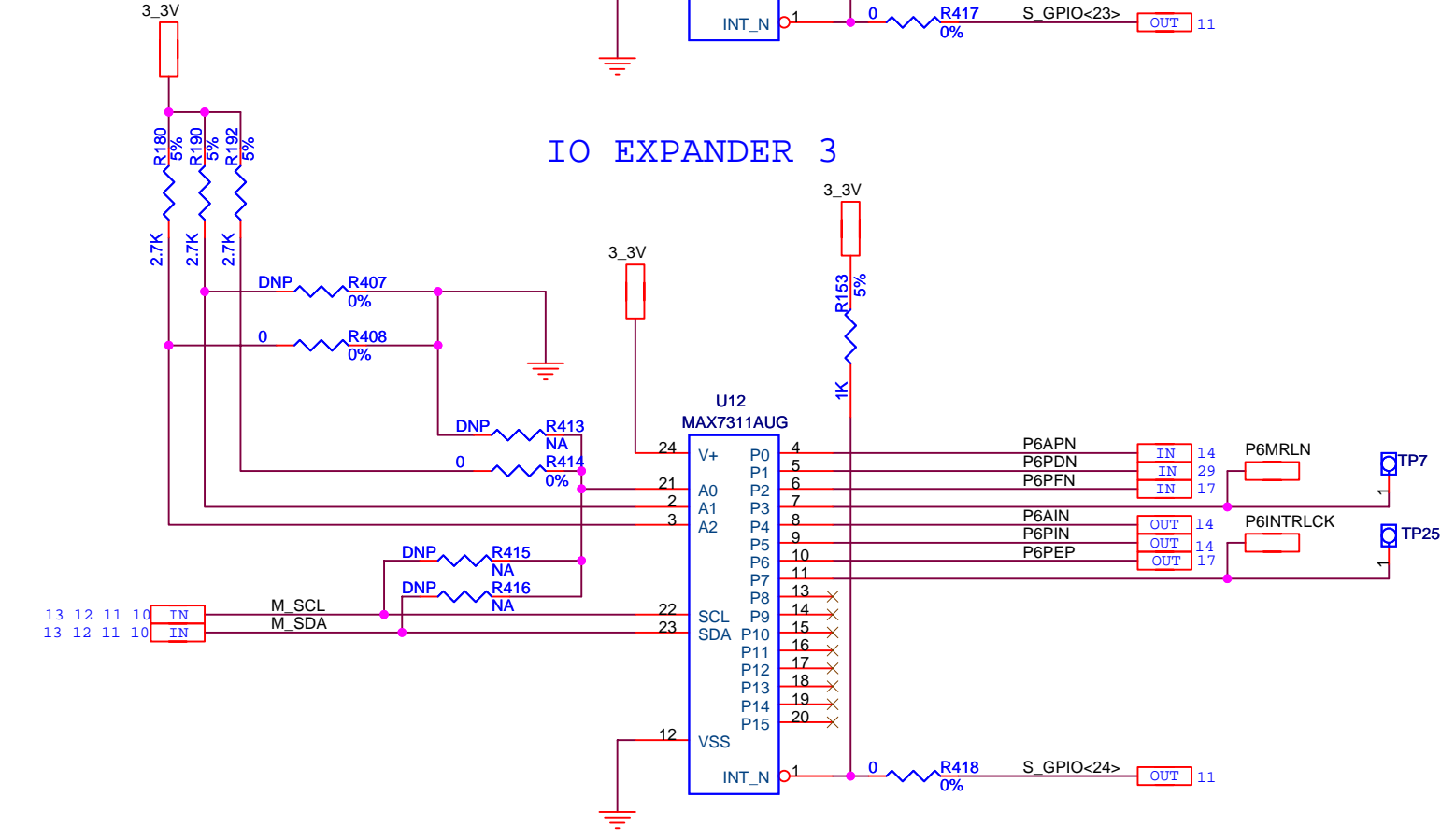
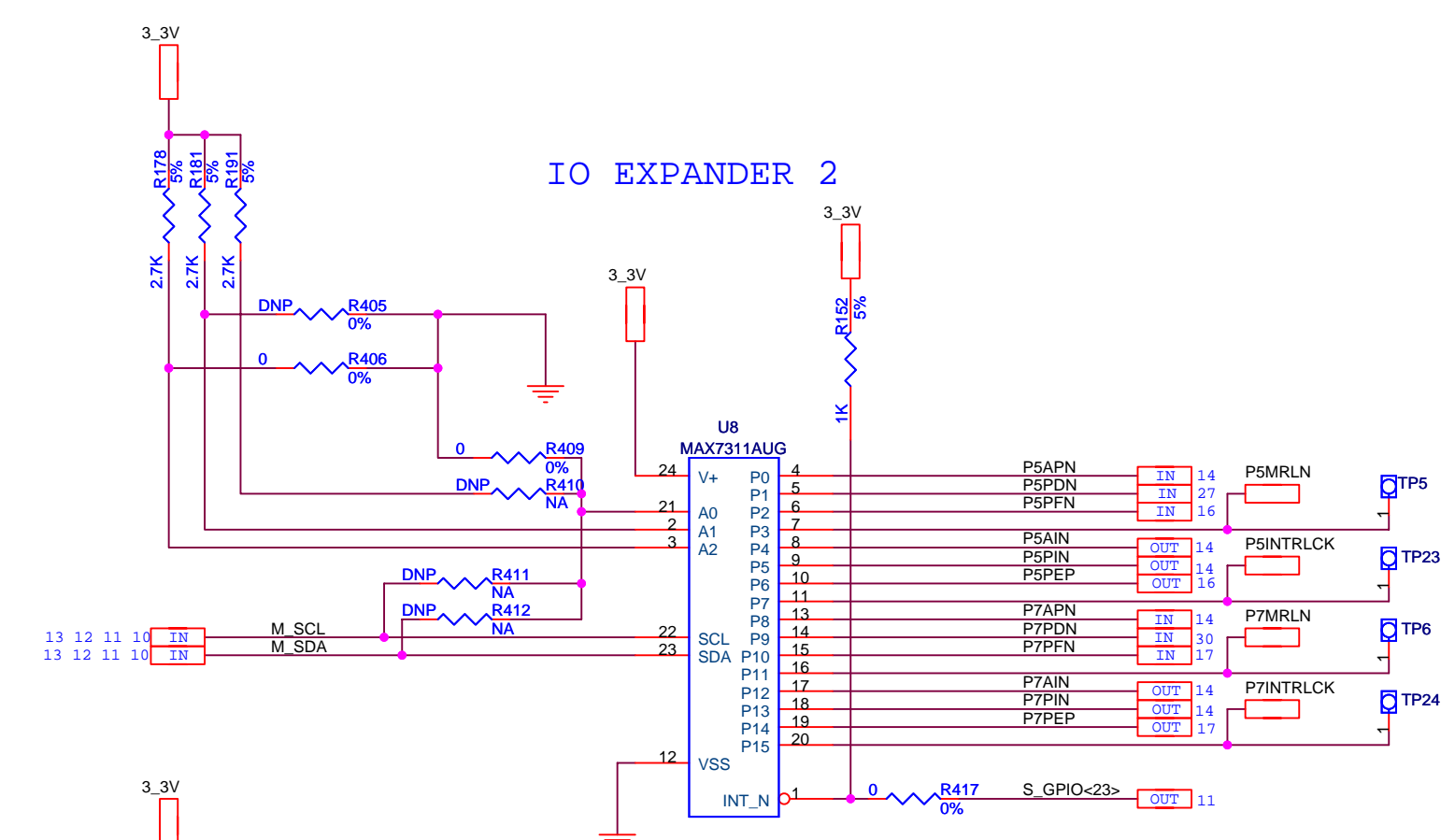
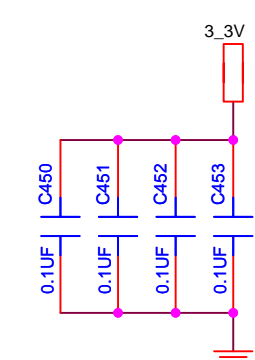
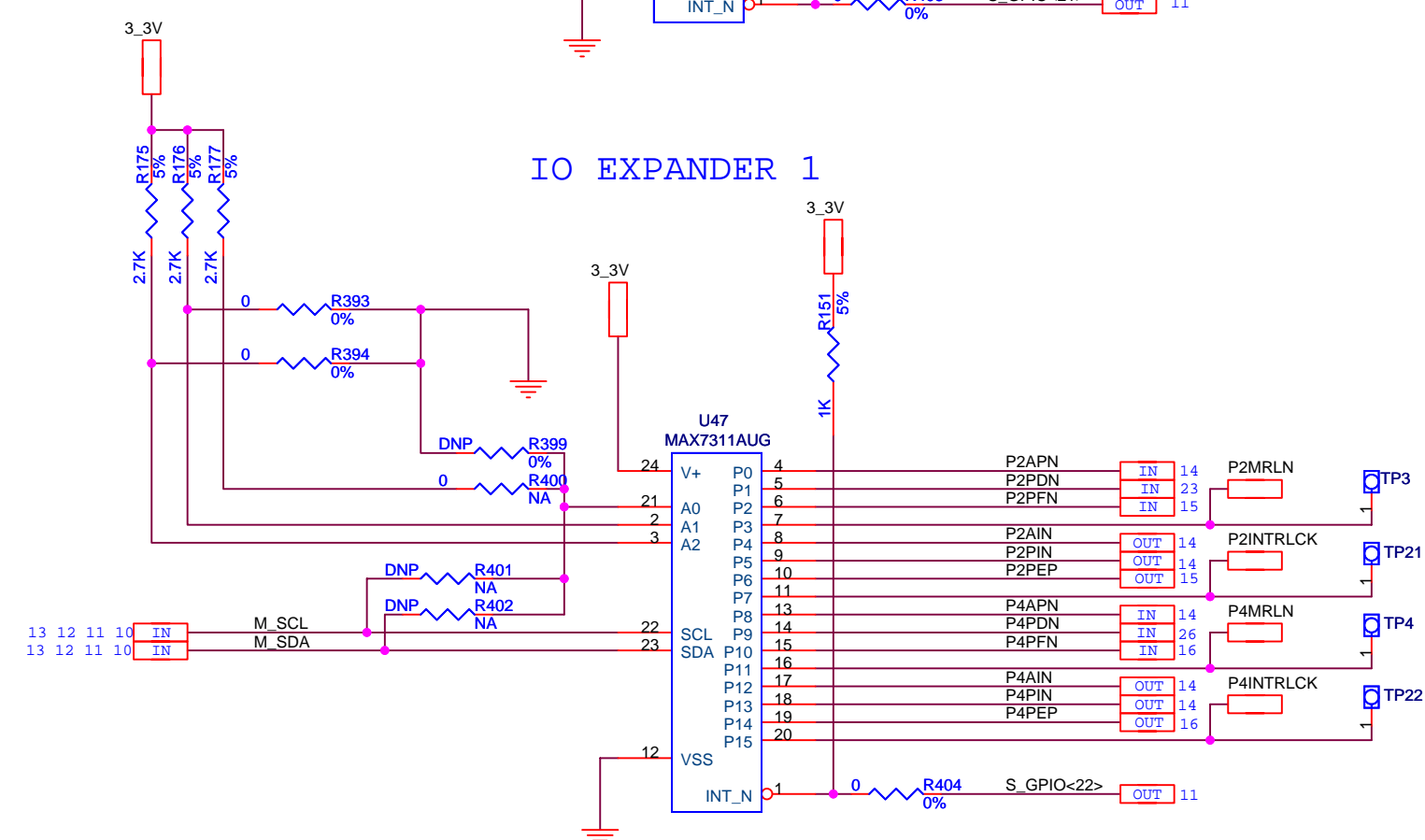
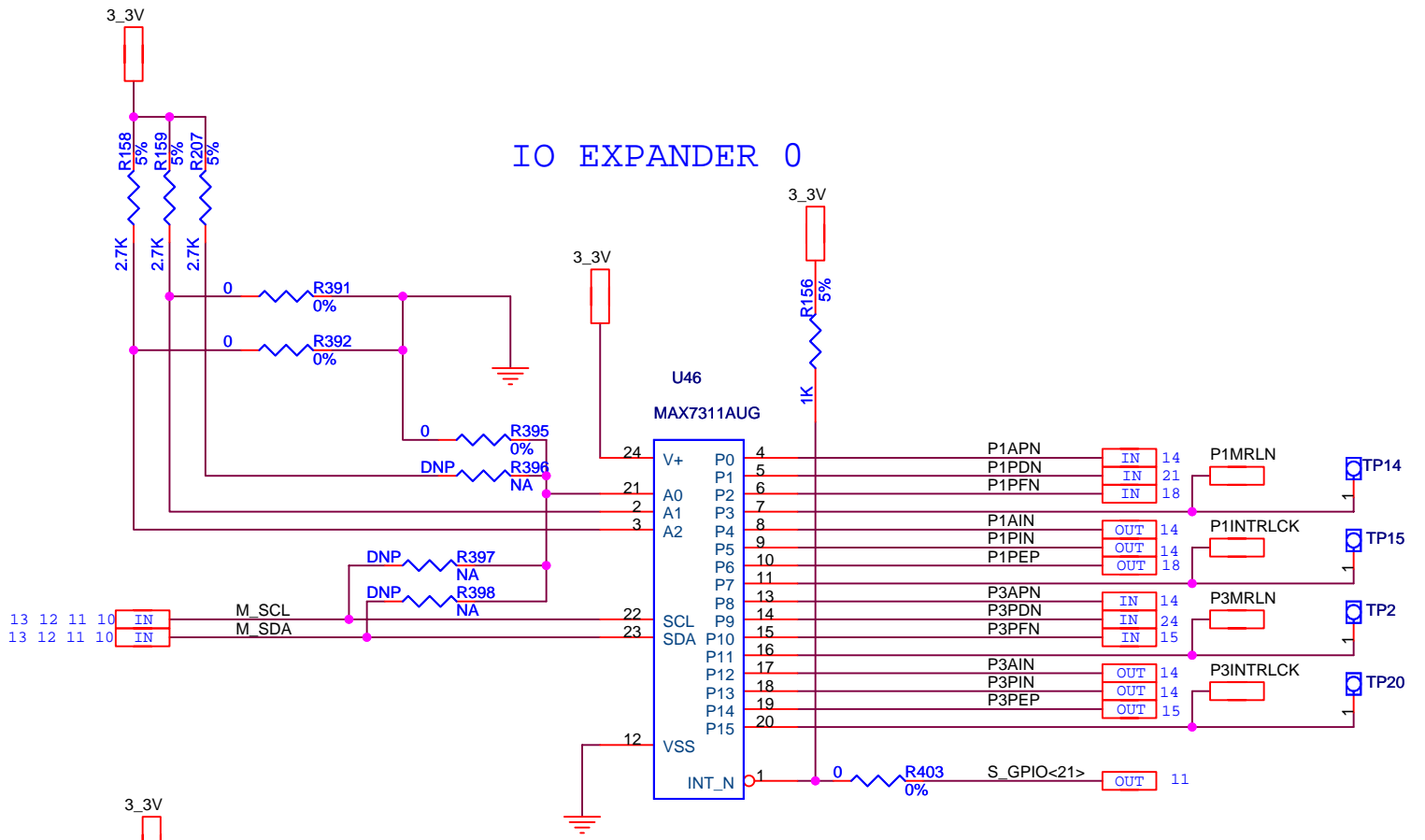
TITLE 89EBPES32H8			
SMBUS REFCLK			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI
Wednesday, July 18, 2007		SHEET	10 OF 31




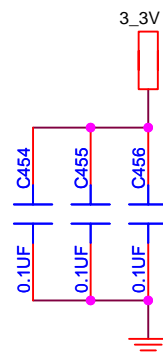
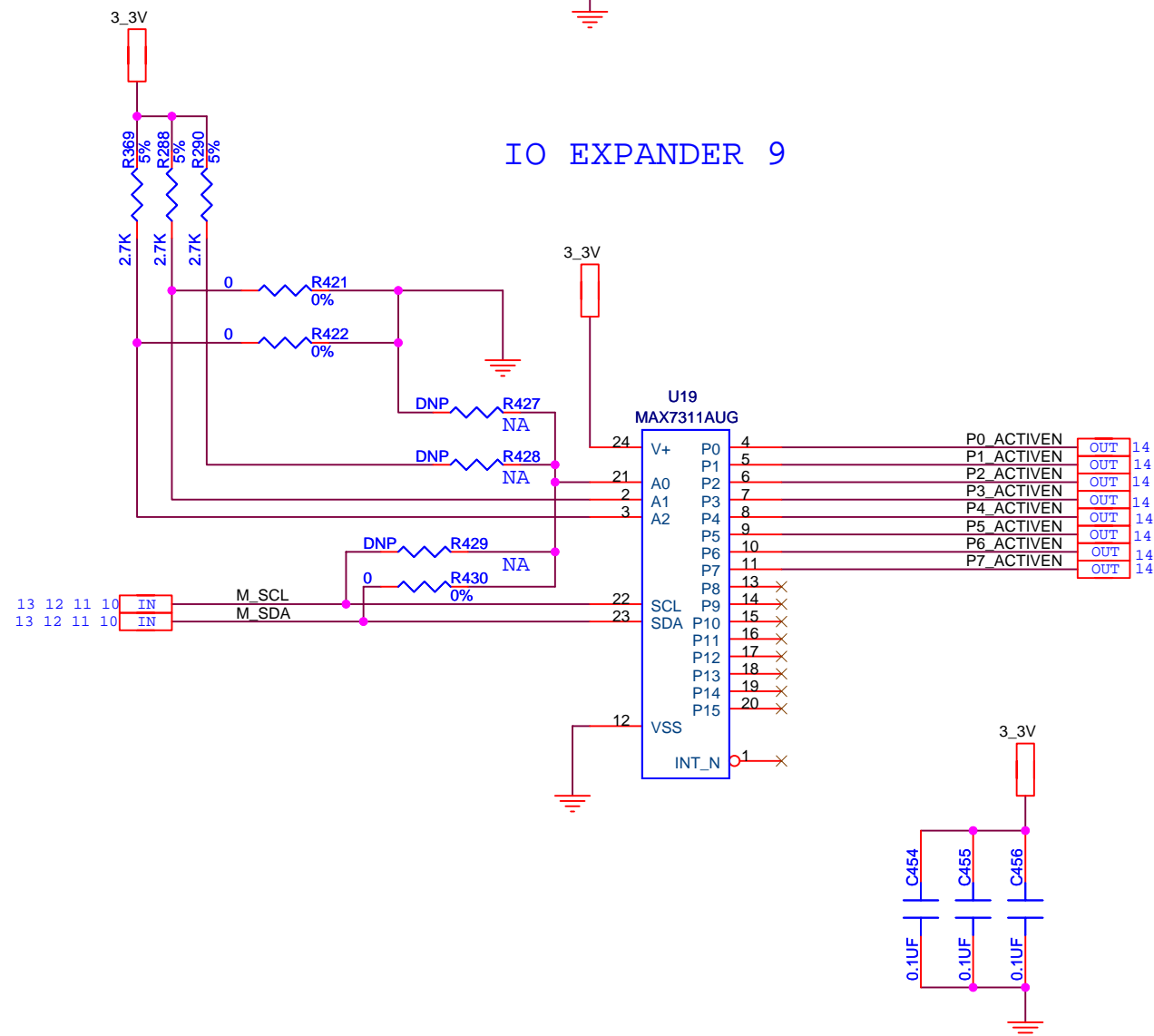
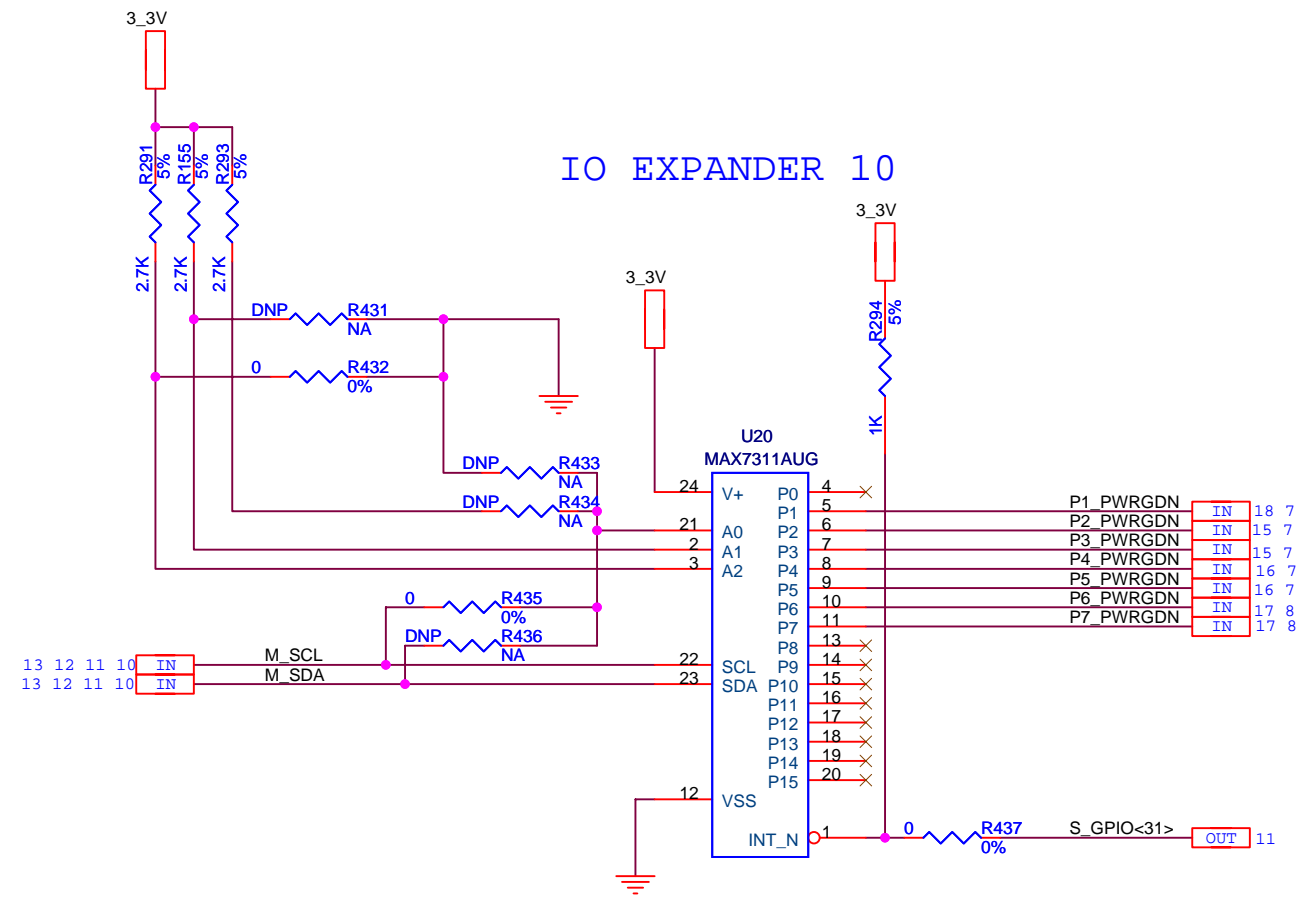
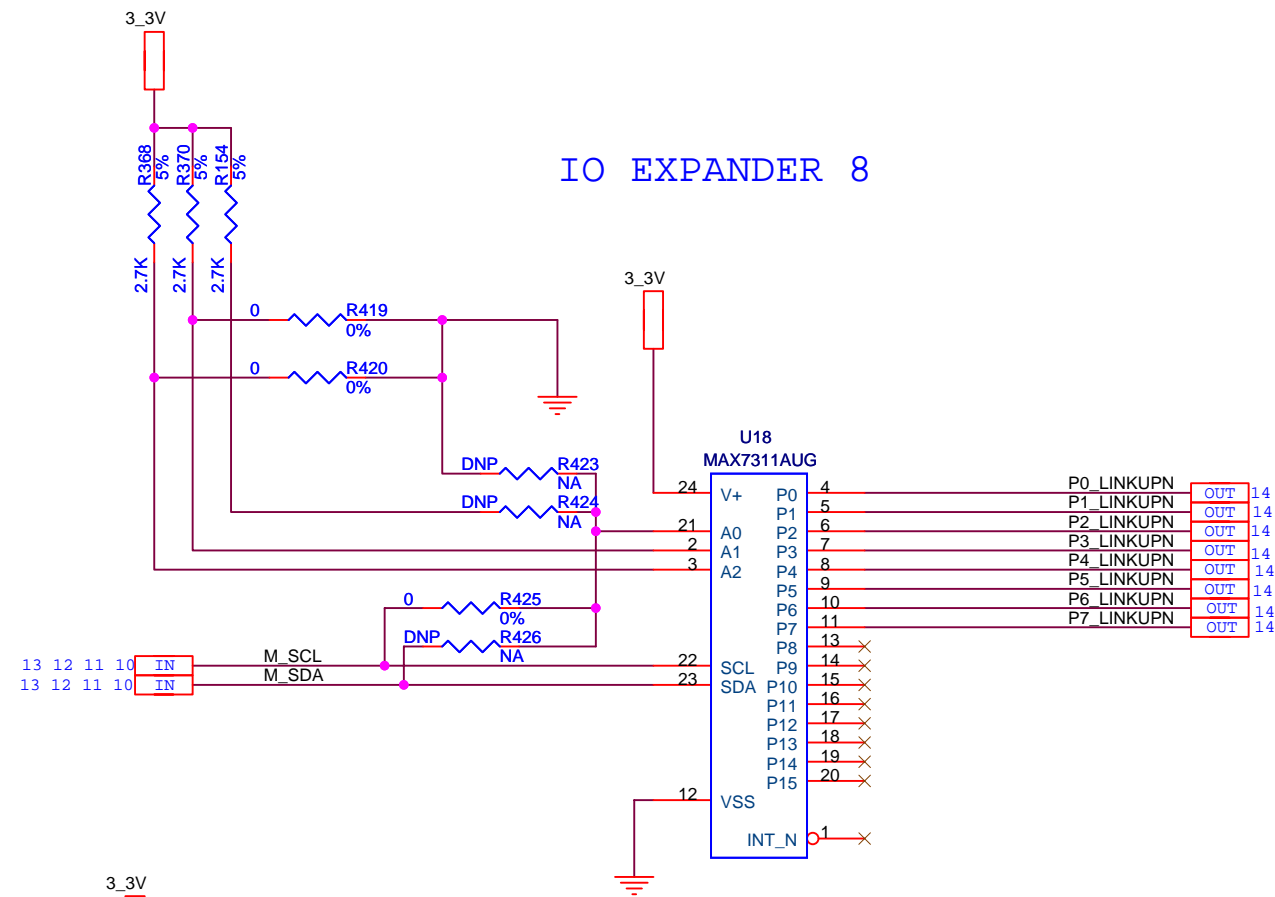


CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

TITLE 89BPES32H8			
PES32H8			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI
Wednesday, July 18, 2007		SHEET	11 OF 31

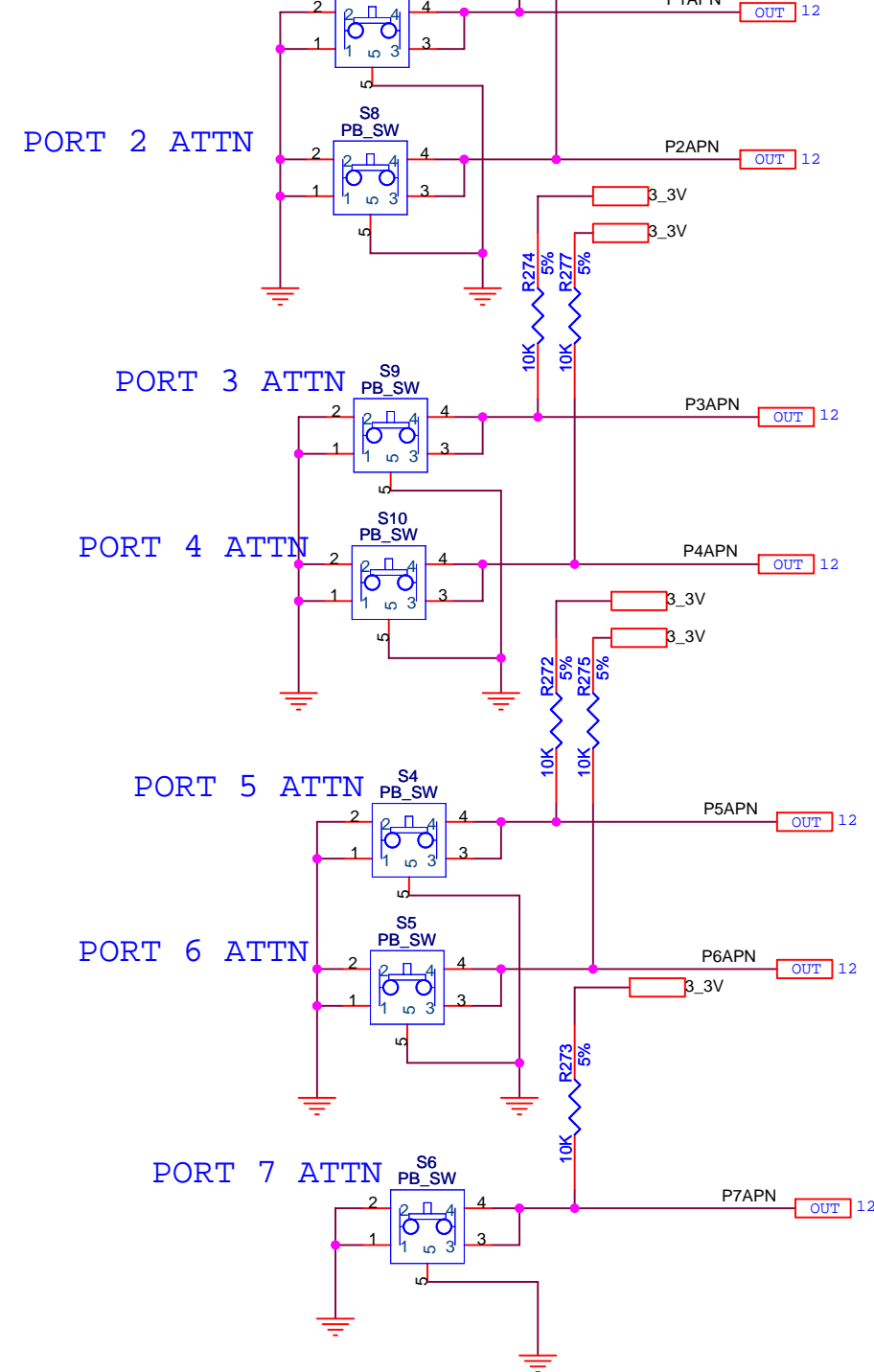
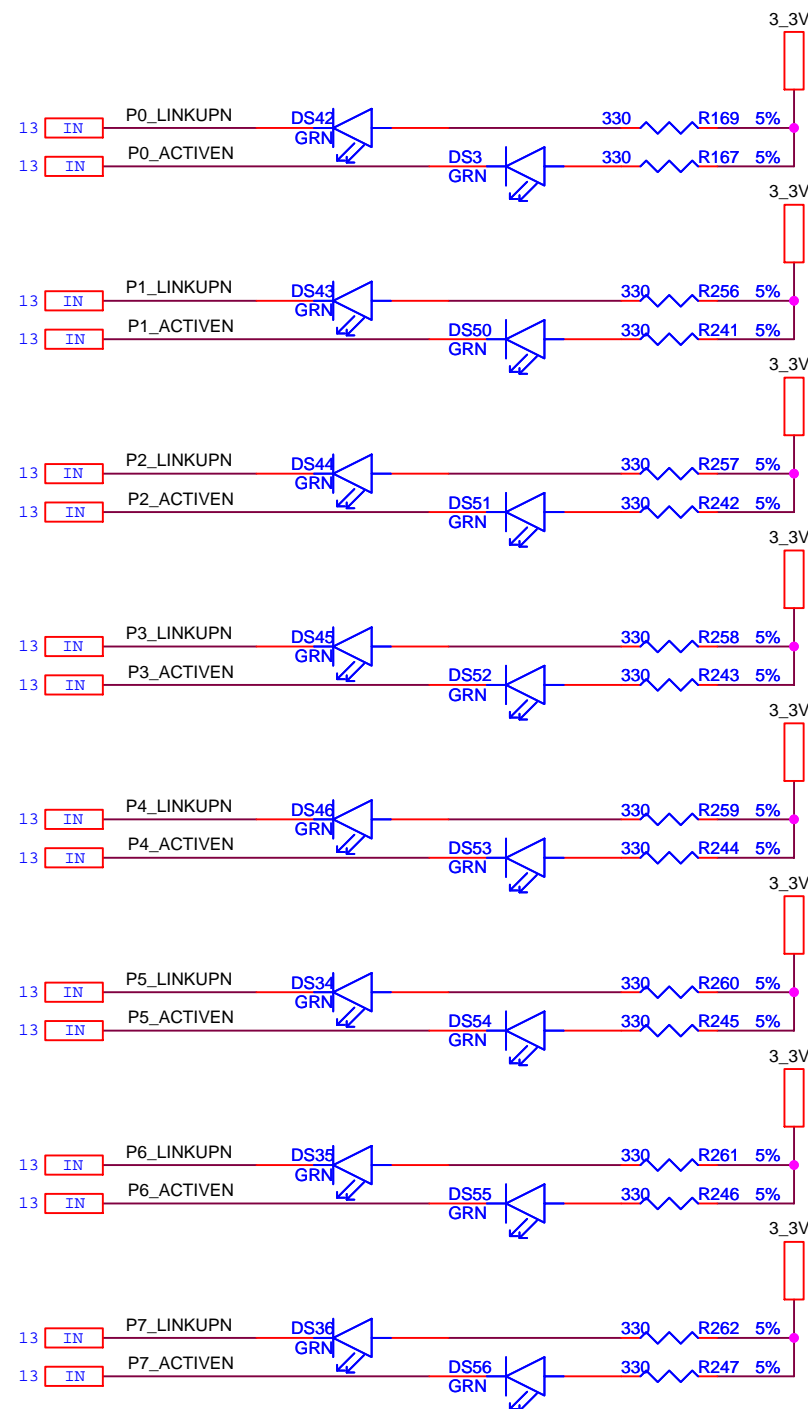
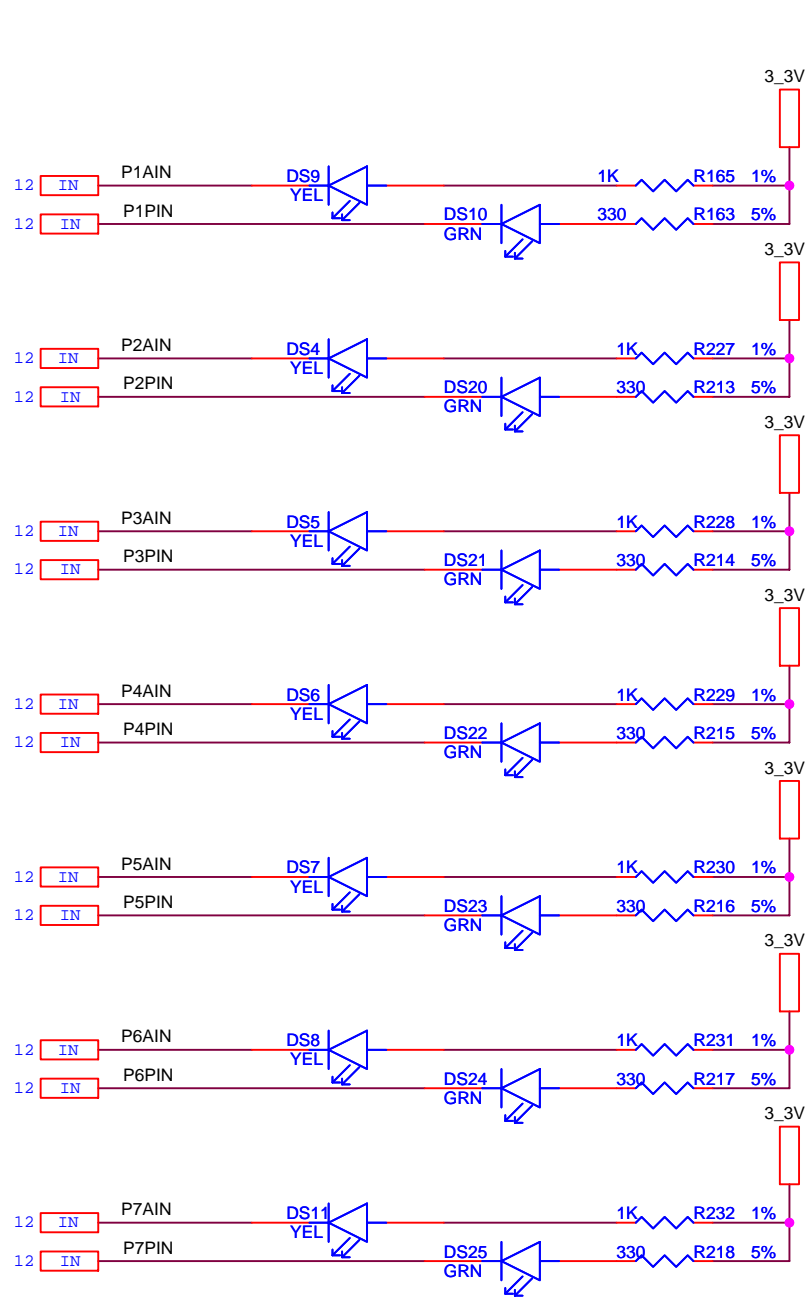



		TITLE 89EBPES32H8			
		IO EXPANDER P1 - P7			
SIZE	DRAWING NO.	FAB P/N	REV.		
B	STGSCH-00101	18-625-000	1.0		
AUTHOR		CHECKED BY	DRAWN BY		
BAYSIDE		ASHOK	UMAIR/ALI		
CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC. 6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138 COPYRIGHT (C) IDT 2007		Wednesday, July 18, 2007			
		SHEET	12 OF	31	



		TITLE 89EBPES32H8			
		IO EXPANDER LINK STATUS			
SIZE	DRAWING NO.	FAB P/N	REV.		
B	STGSCH-00101	18-625-000	1.0		
AUTHOR		CHECKED BY	DRAWN BY		
BAYSIDE		ASHOK	UMAIR/ALI		
Wednesday, July 18, 2007			SHEET	13 OF 31	

CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007





TITLE 89EBPES32H8

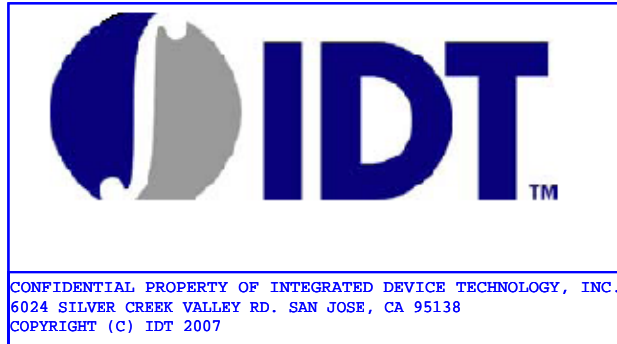
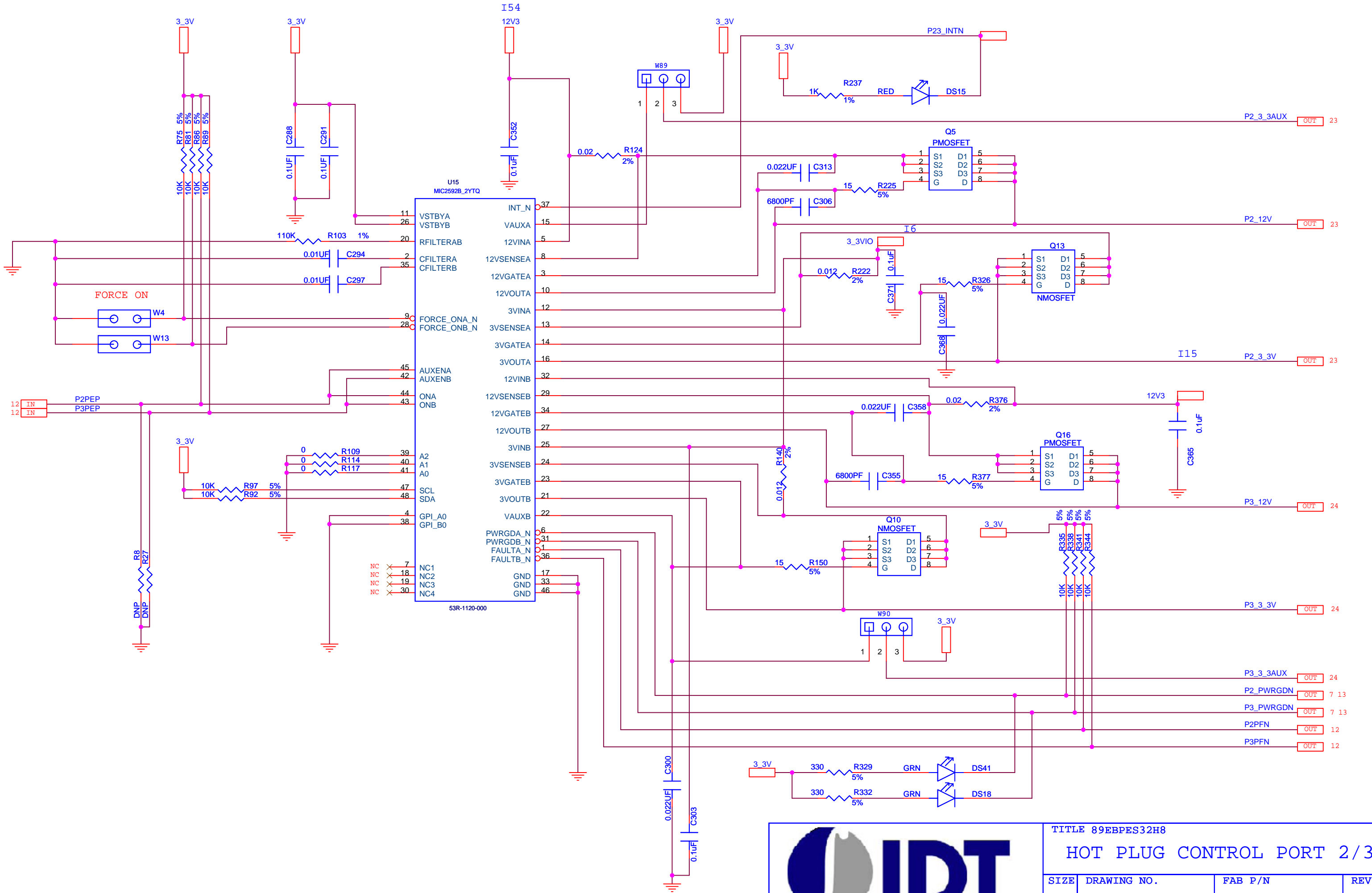
IO EXPANDER ATTN PB/LEDS

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI
Wednesday, July 18, 2007		SHEET	14 OF 31

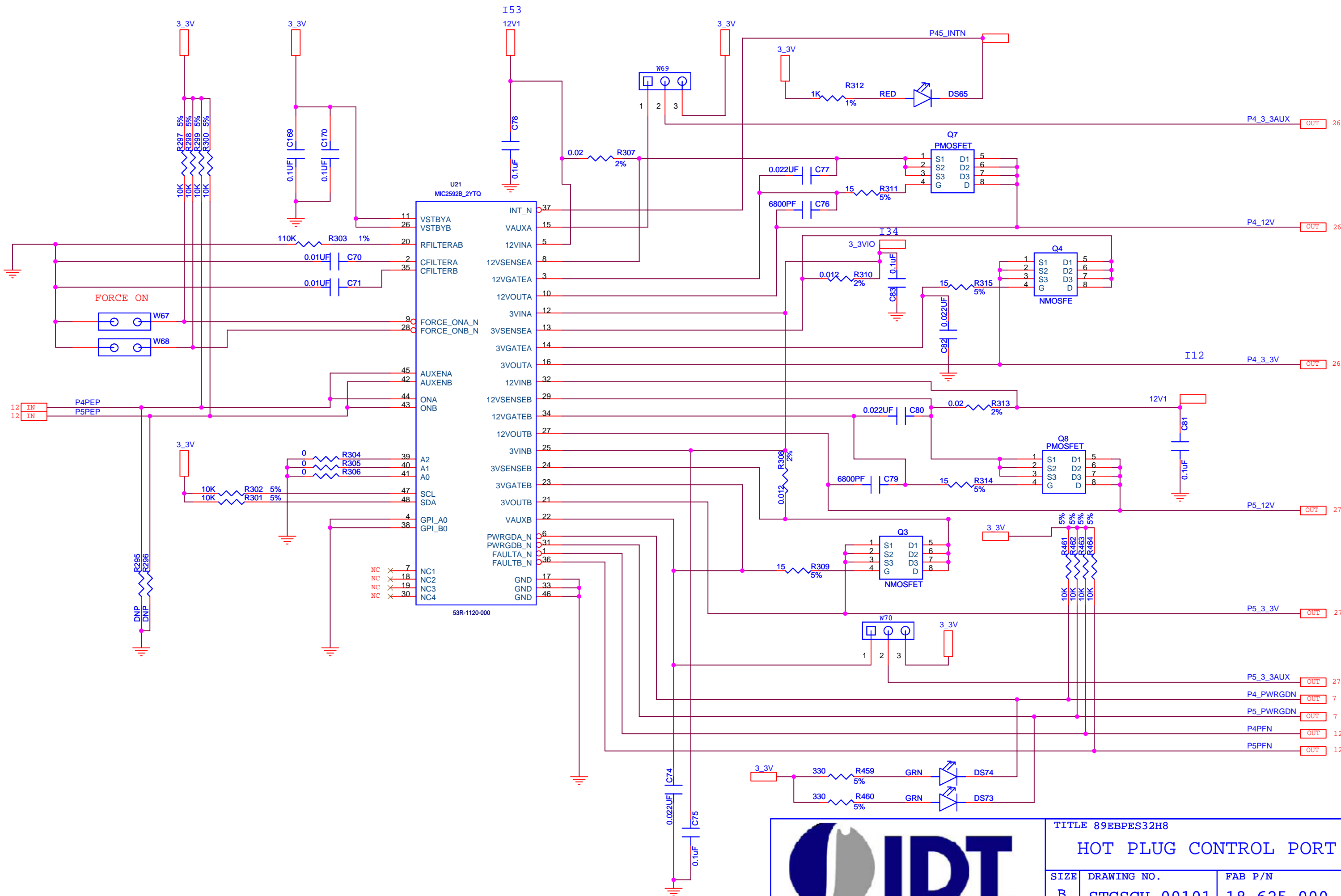
CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.


6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138

COPYRIGHT (C) IDT 2007



TITLE 89EBPES32H8			
HOT PLUG CONTROL PORT 2/3			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI
Wednesday, July 18, 2007		SHEET	15 OF 31



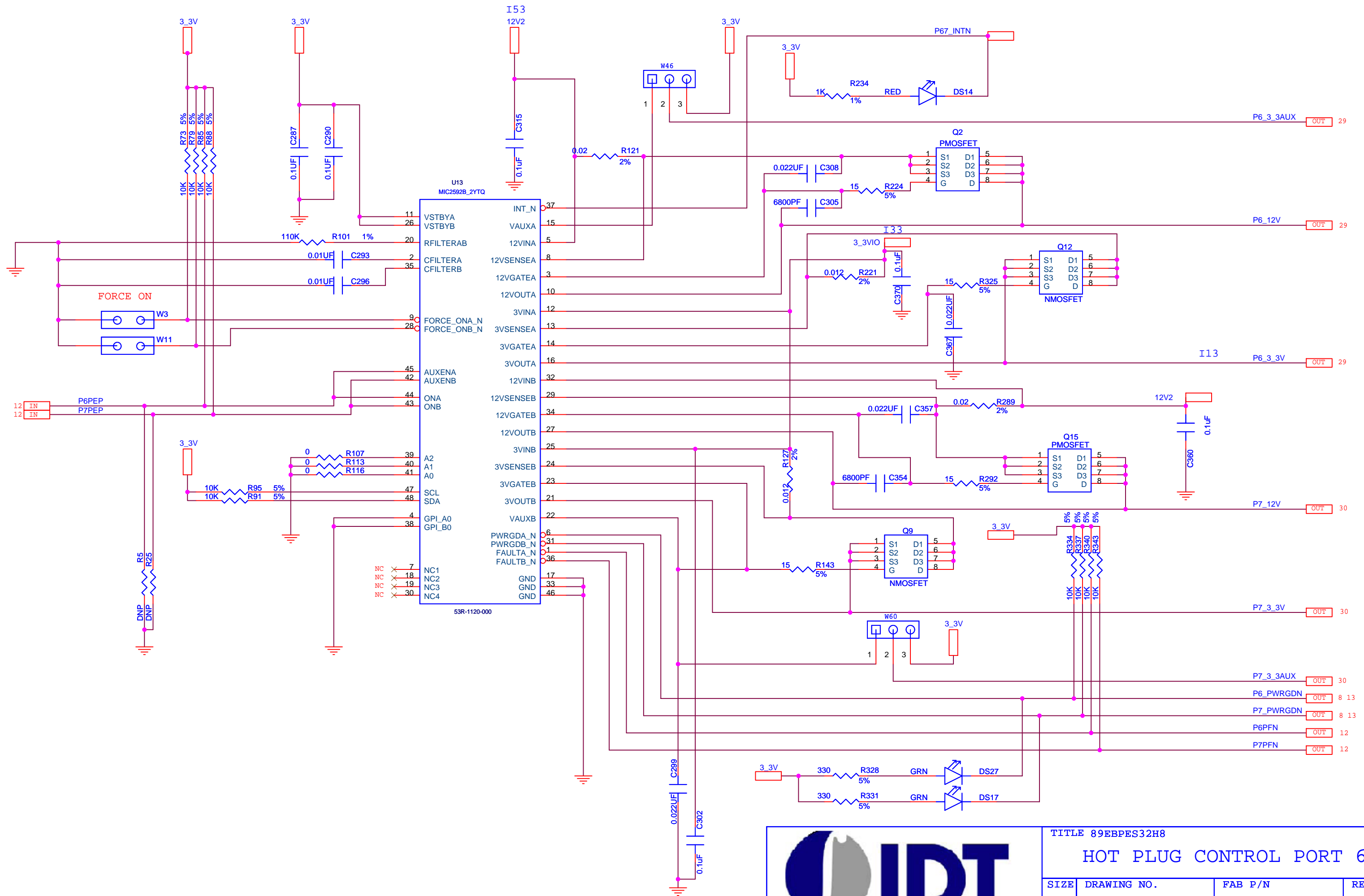


CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

TITLE 89EBPES32H8

HOT PLUG CONTROL PORT 4/5

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI
Wednesday, July 18, 2007		SHEET	16 OF 31



TITLE 89EBPES32H8

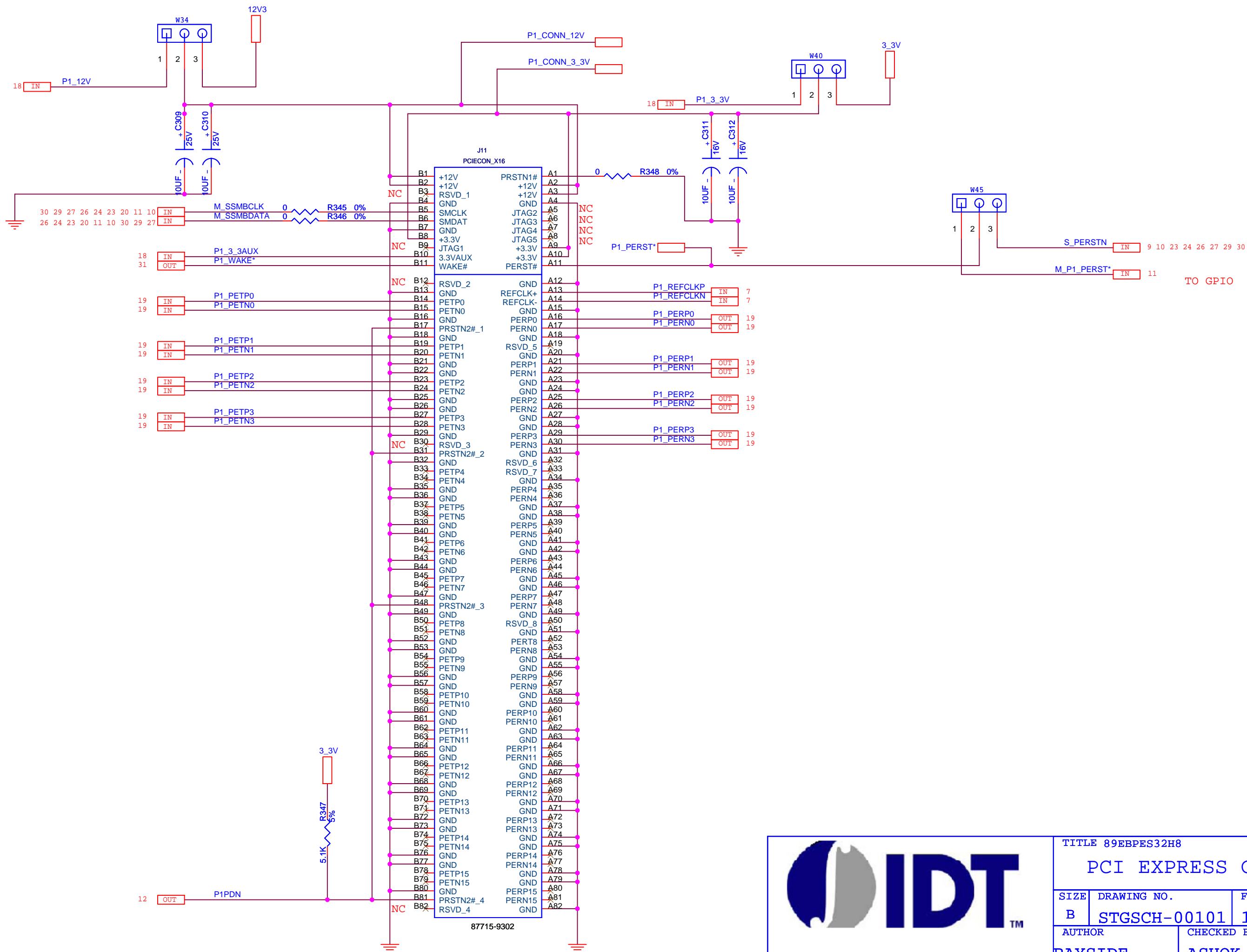
HOT PLUG CONTROL PORT 6/7


SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI

CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

Wednesday, July 18, 2007

SHEET 17 OF 31



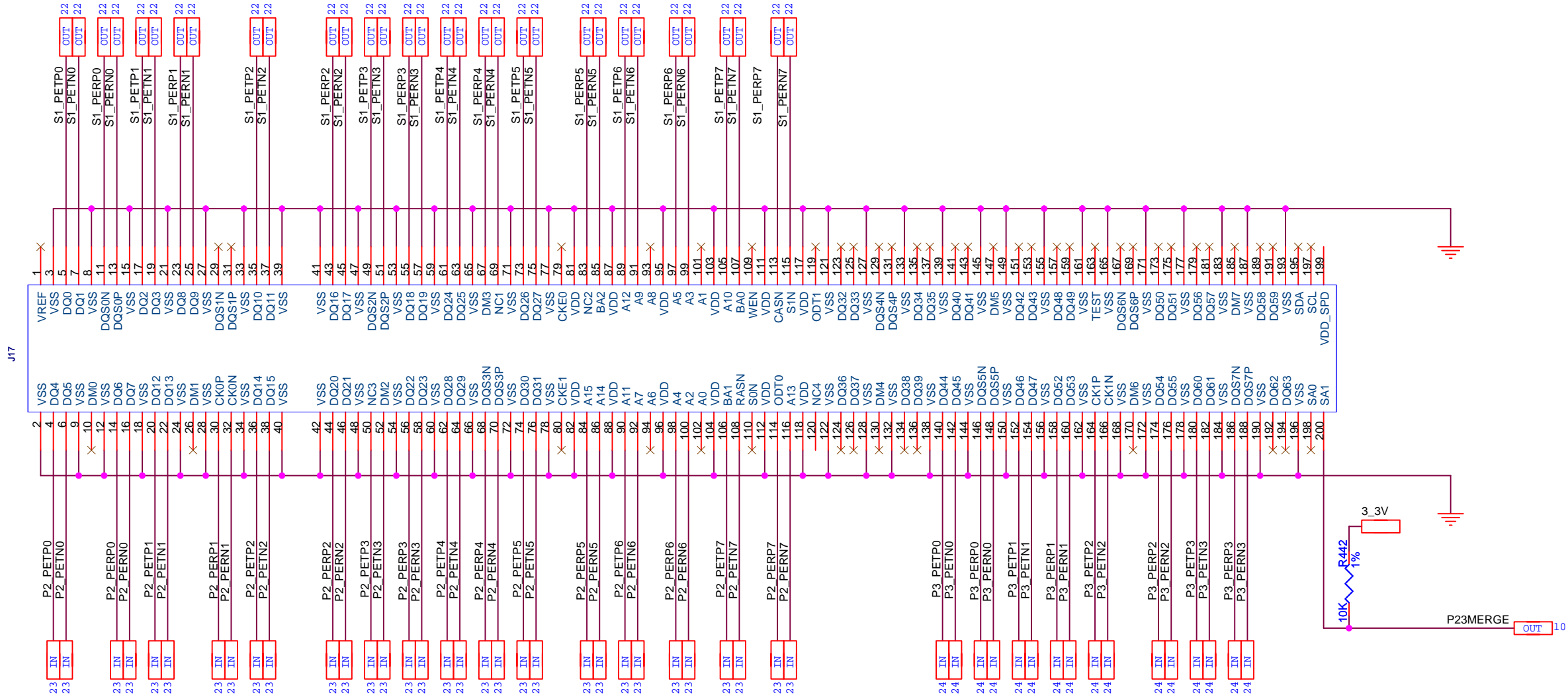
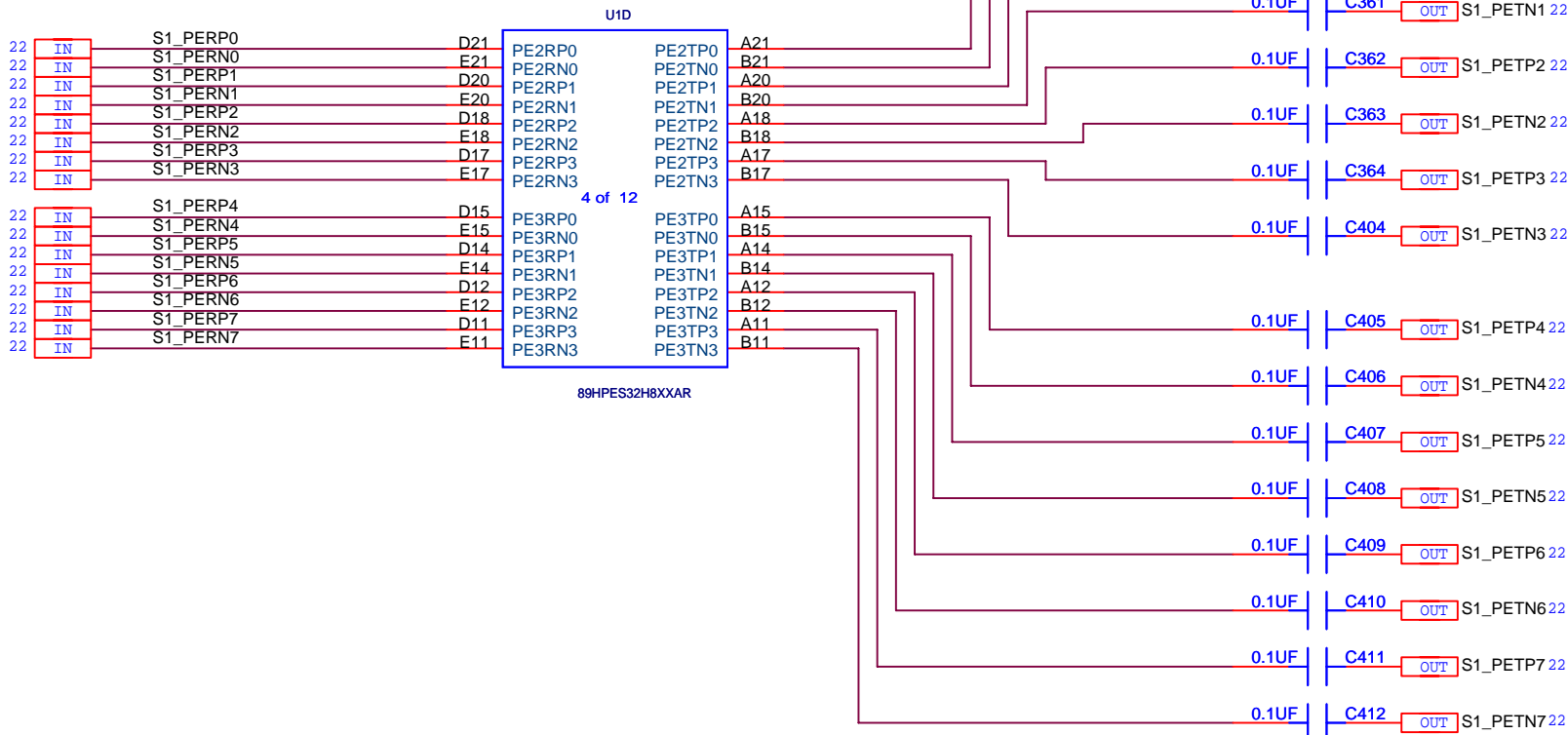



TITLE 89EBPES32H8

PCI EXPRESS CONN PORT 1

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI
Wednesday, July 18, 2007		SHEET 21 OF 31	

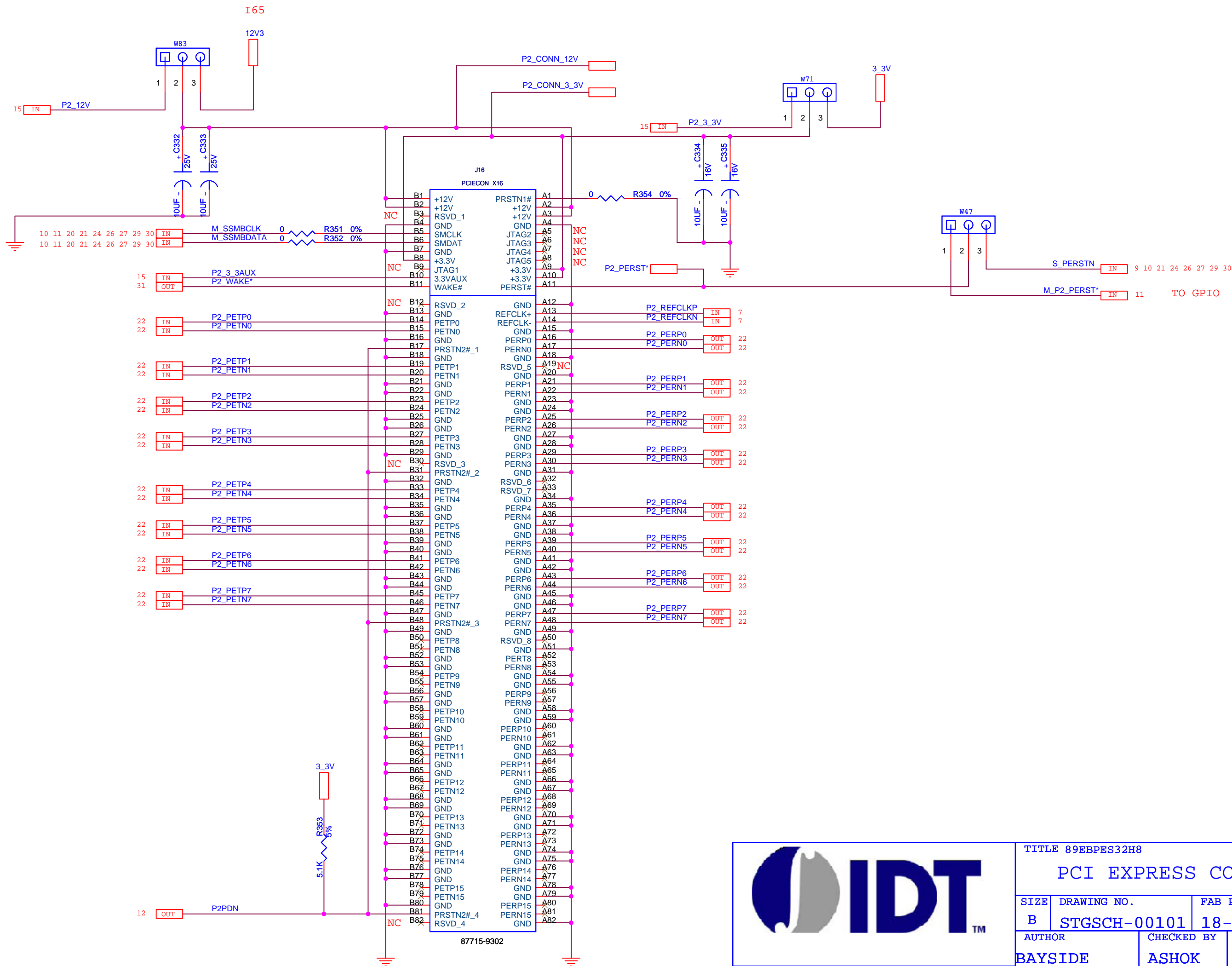
CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007






CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

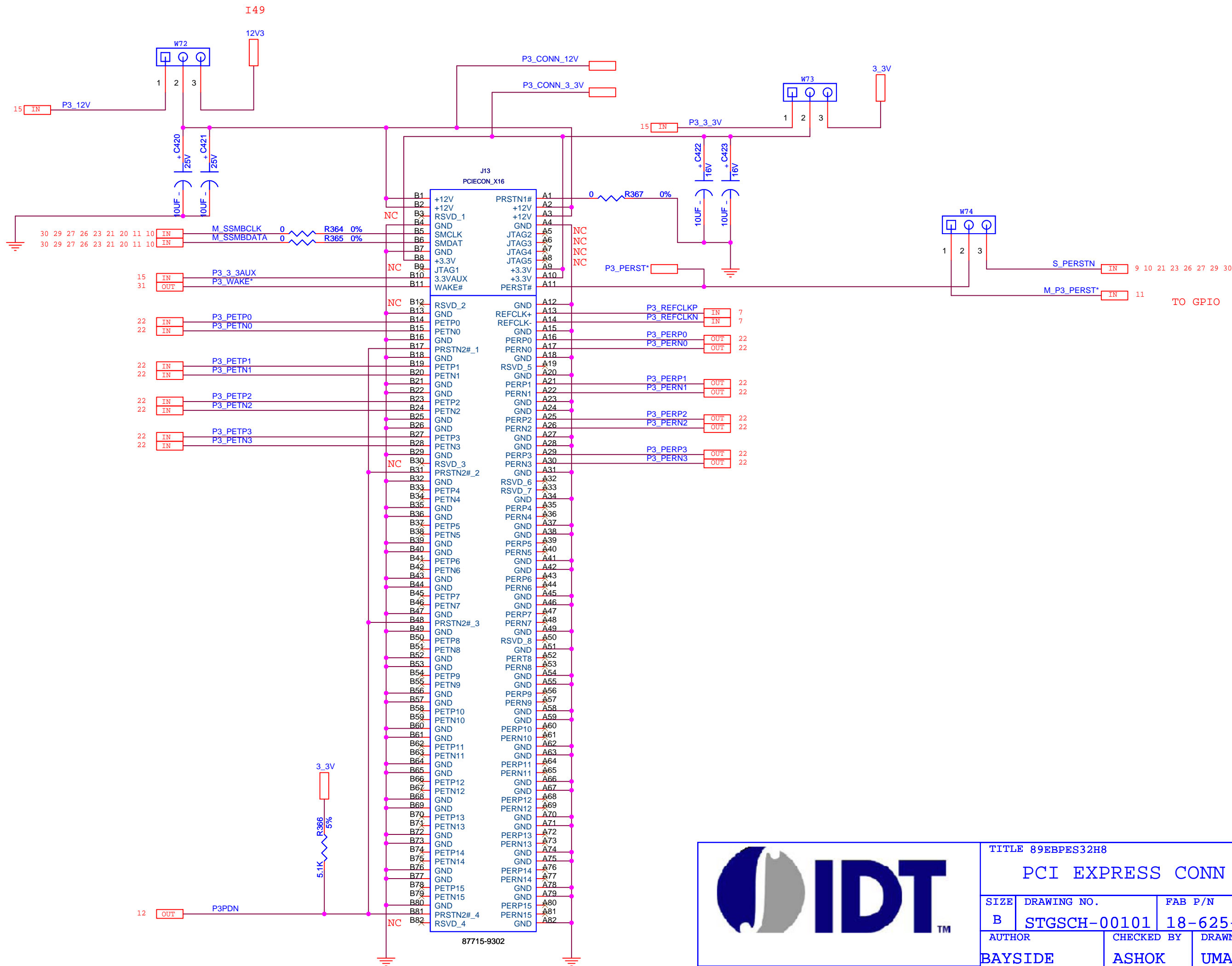
TITLE 89BPES32H8			
PM PORT 2/3			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI
Wednesday, July 18, 2007		SHEET	22 OF 31






CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

TITLE 89EBPES32H8			
PCI EXPRESS CONN PORT 2			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI
Wednesday, July 18, 2007		SHEET	23 OF 31



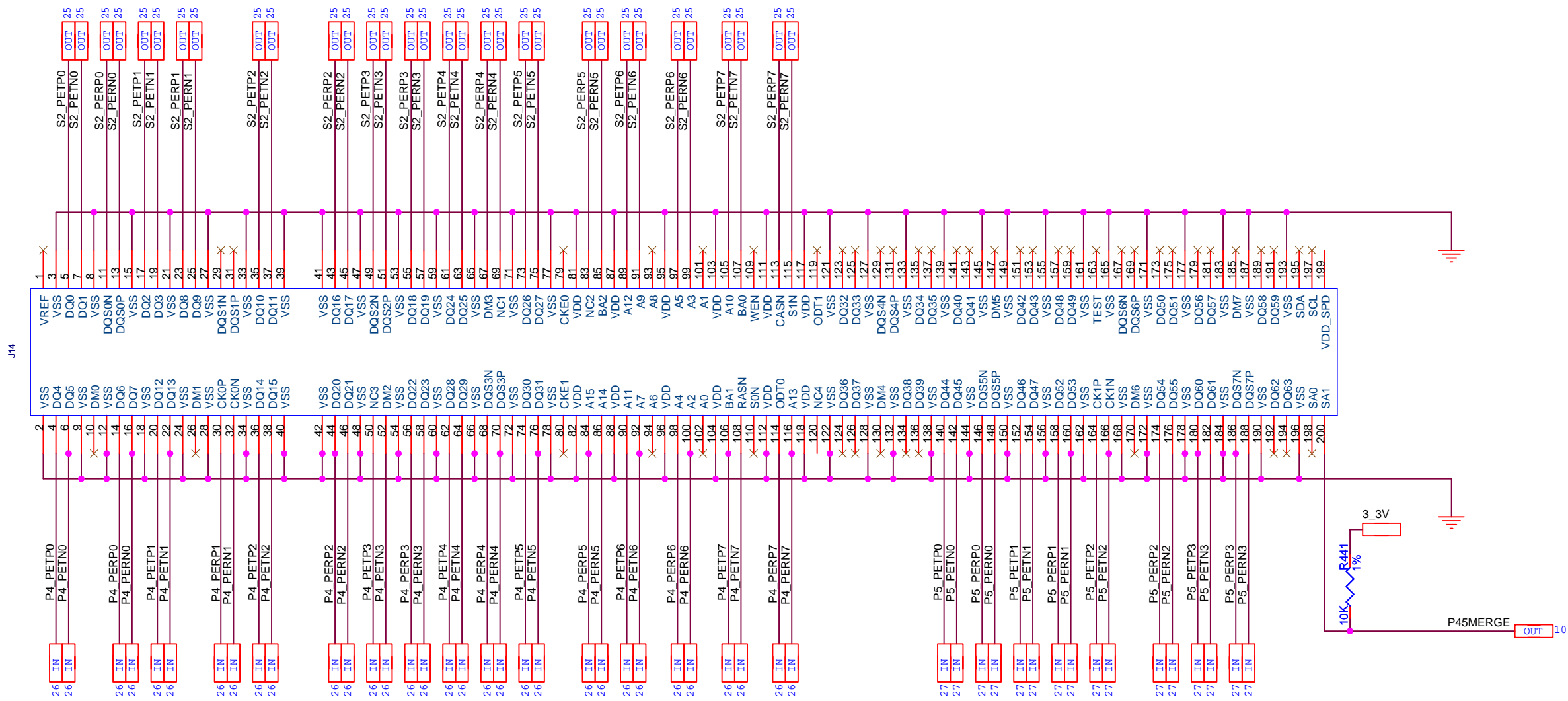
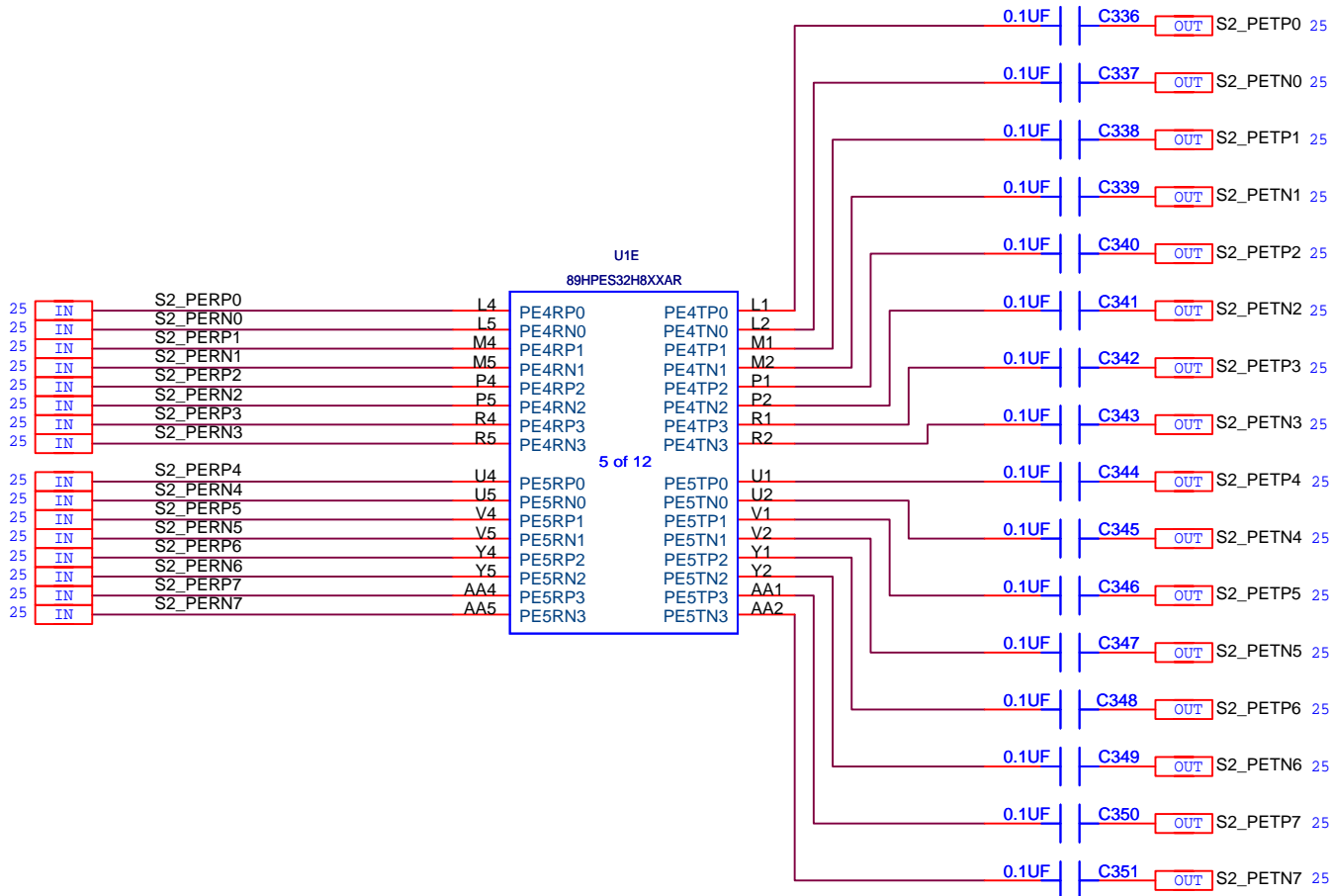


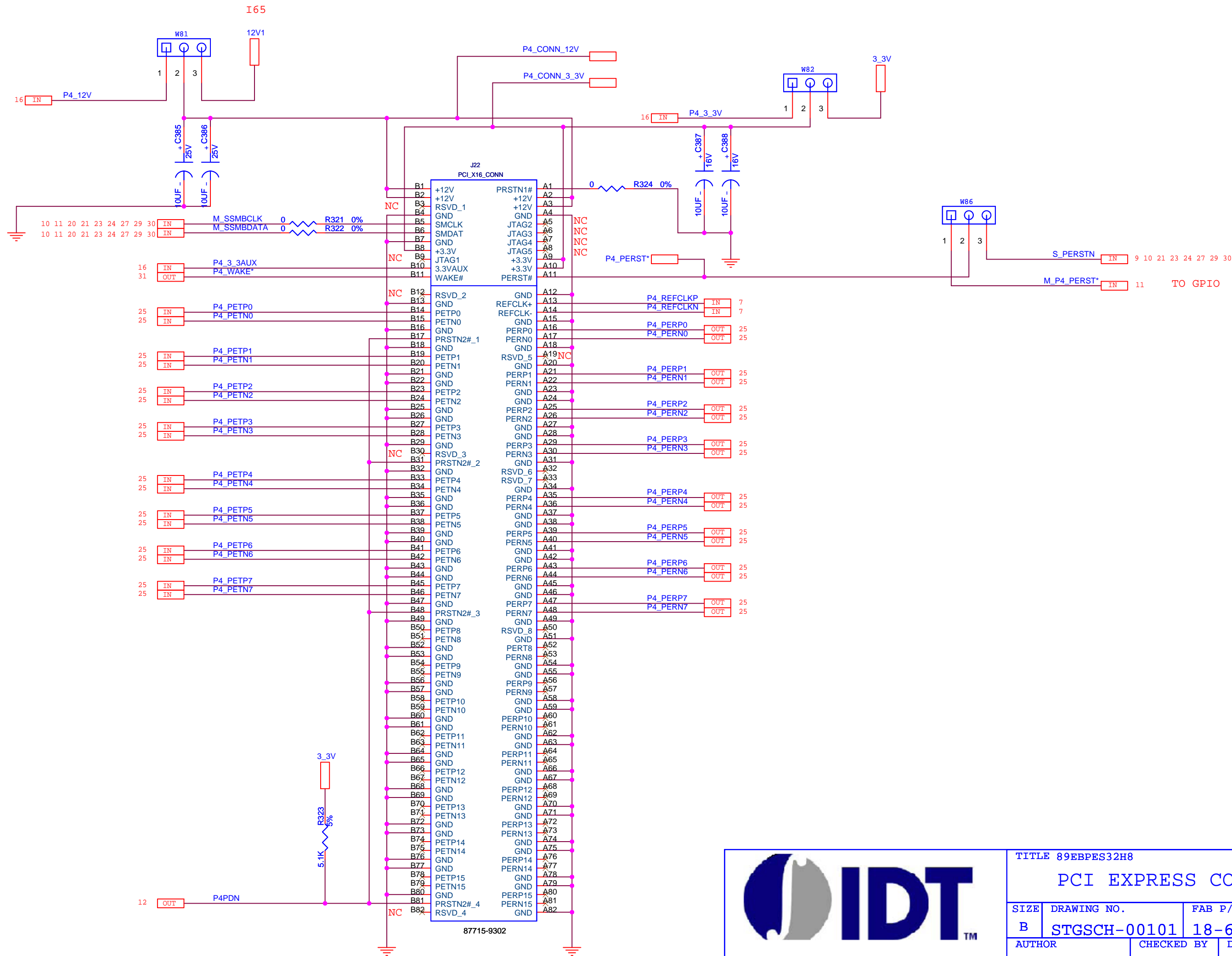
CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007


TITLE 89EBPES32H8

PCI EXPRESS CONN PORT 3

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI
Wednesday, July 18, 2007		SHEET	24 OF 31





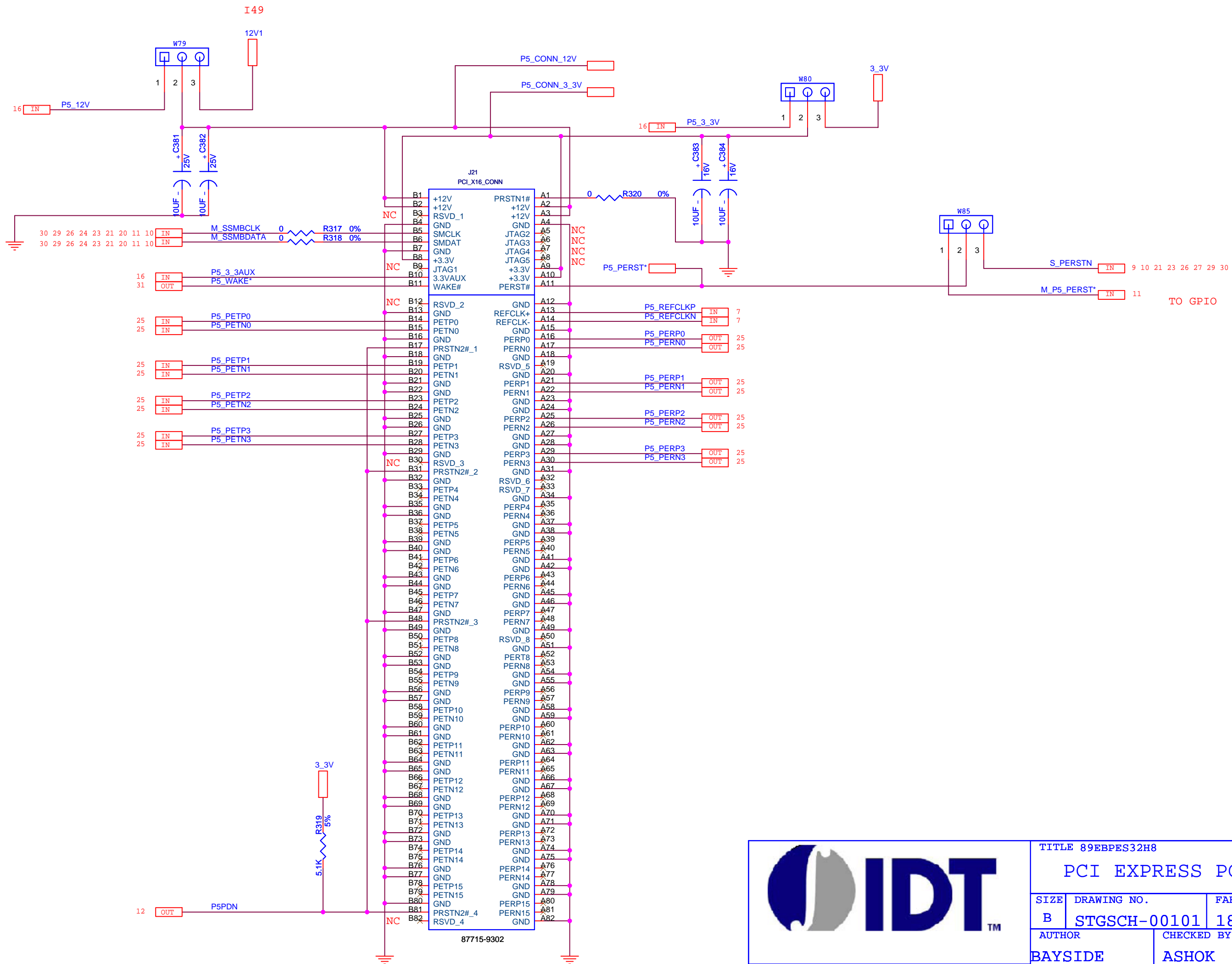


CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

TITLE 89EBPES32H8

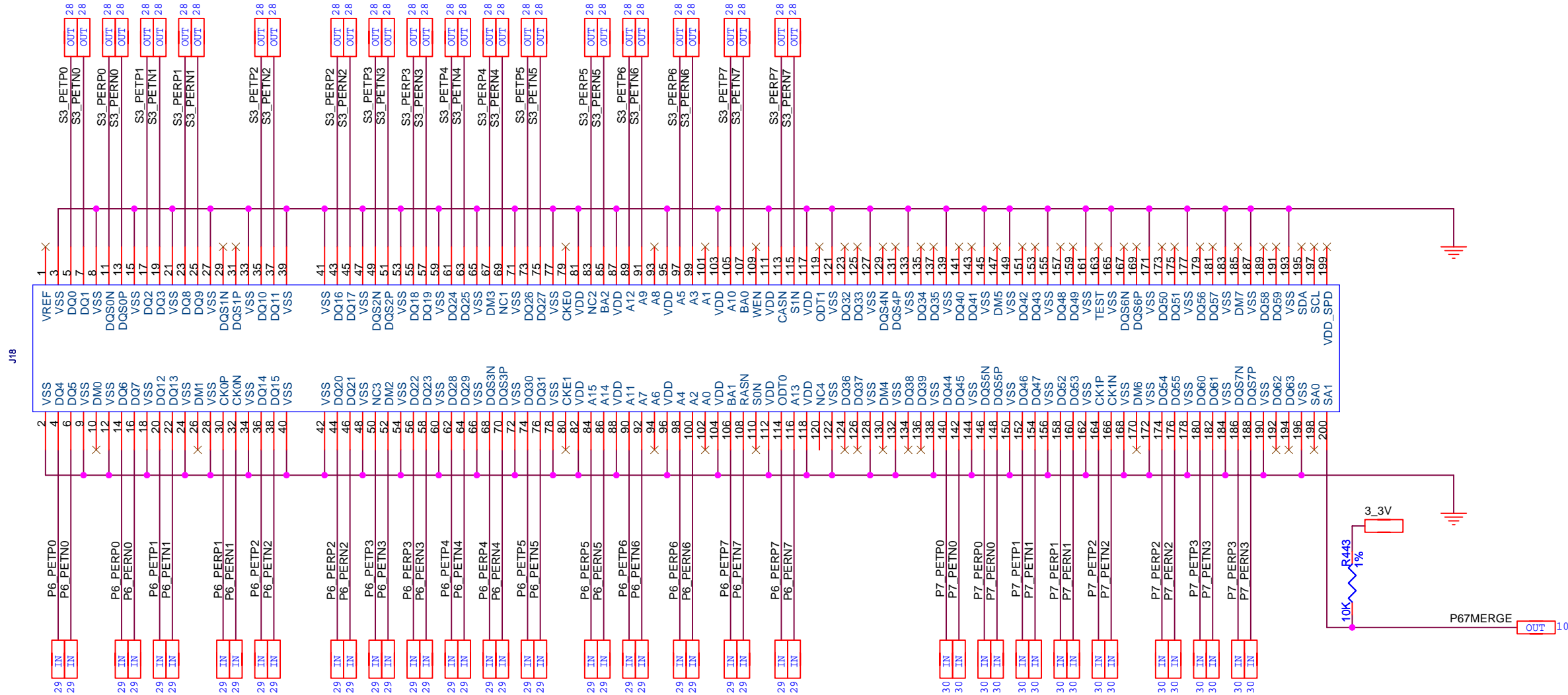
PCI EXPRESS CONN PORT 4


SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI
Wednesday, July 18, 2007		SHEET	26 OF 31



TITLE 89EBPES32H8			
PCI EXPRESS PORT 5			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI
Wednesday, July 18, 2007		SHEET	27 OF 31

CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007





CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

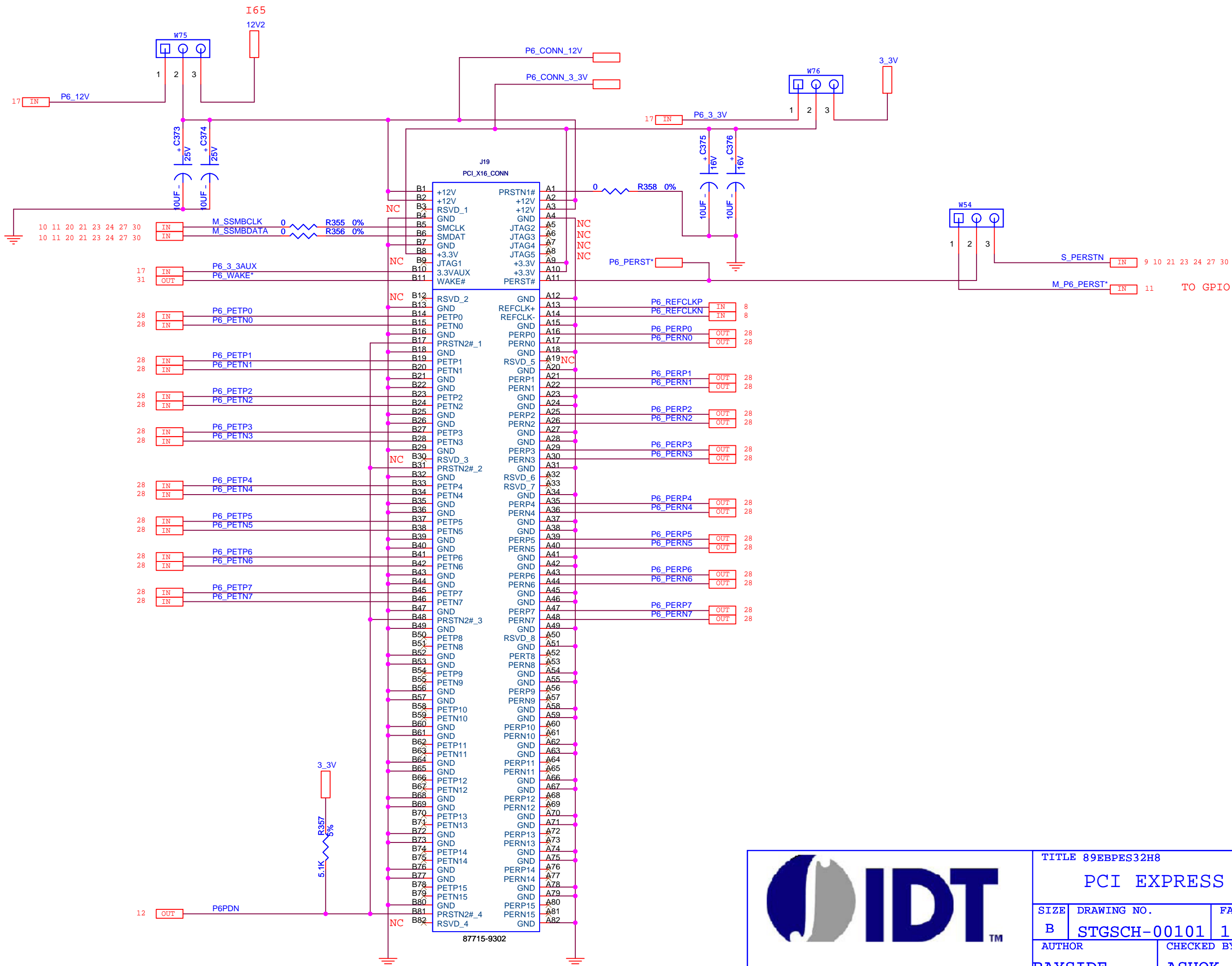
TITLE 89EBPES32H8


PM PORT 6/7

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0

AUTHOR	CHECKED BY	DRAWN BY
BAYSIDE	ASHOK	UMAIR/ALI

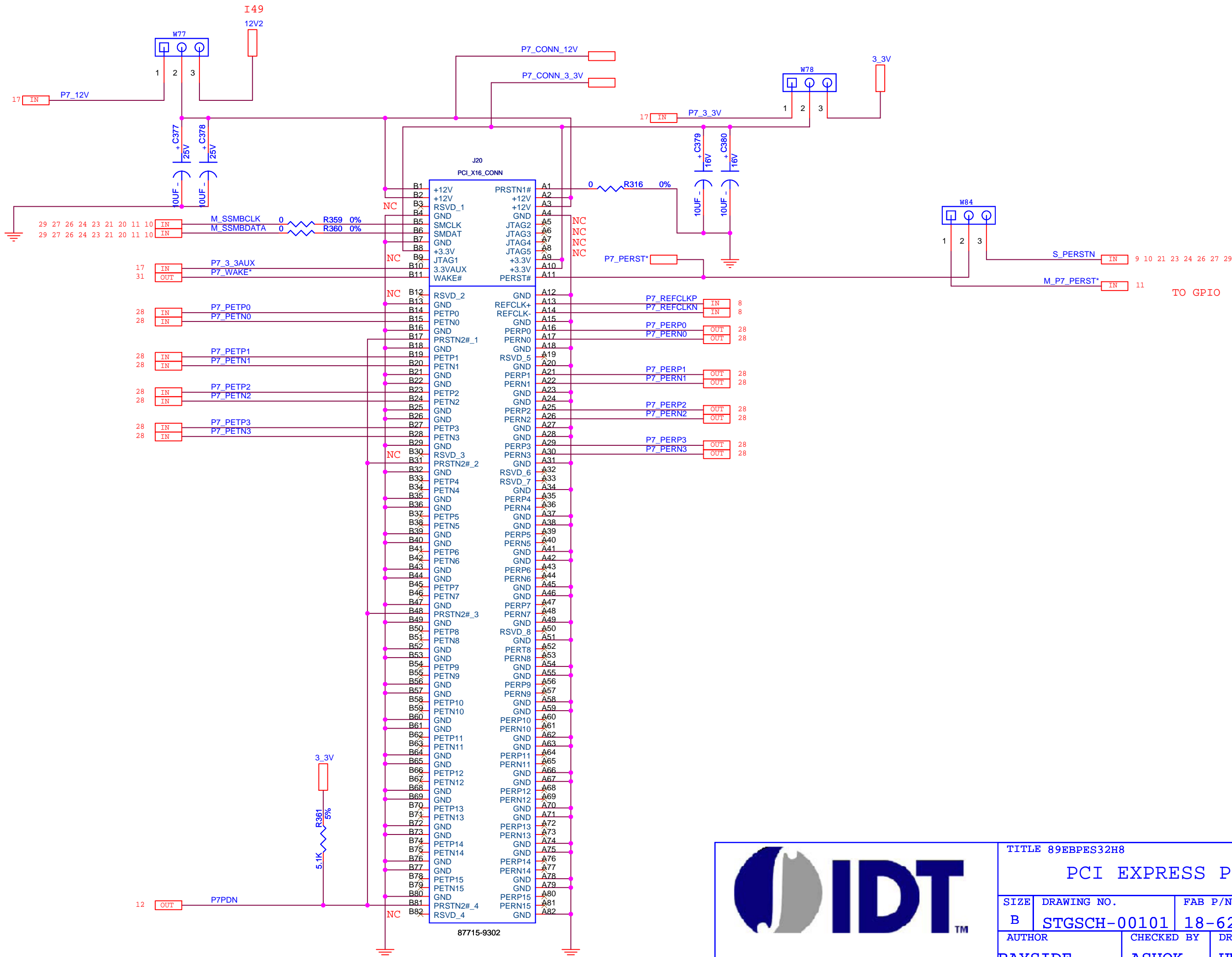
Wednesday, July 18, 2007	SHEET	28 OF	31
--------------------------	-------	-------	----






CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

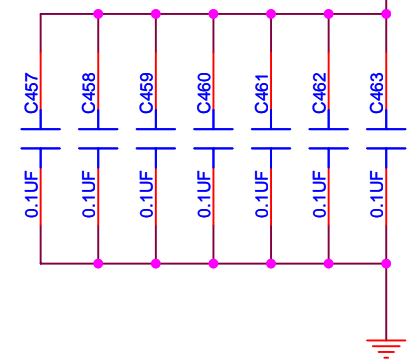
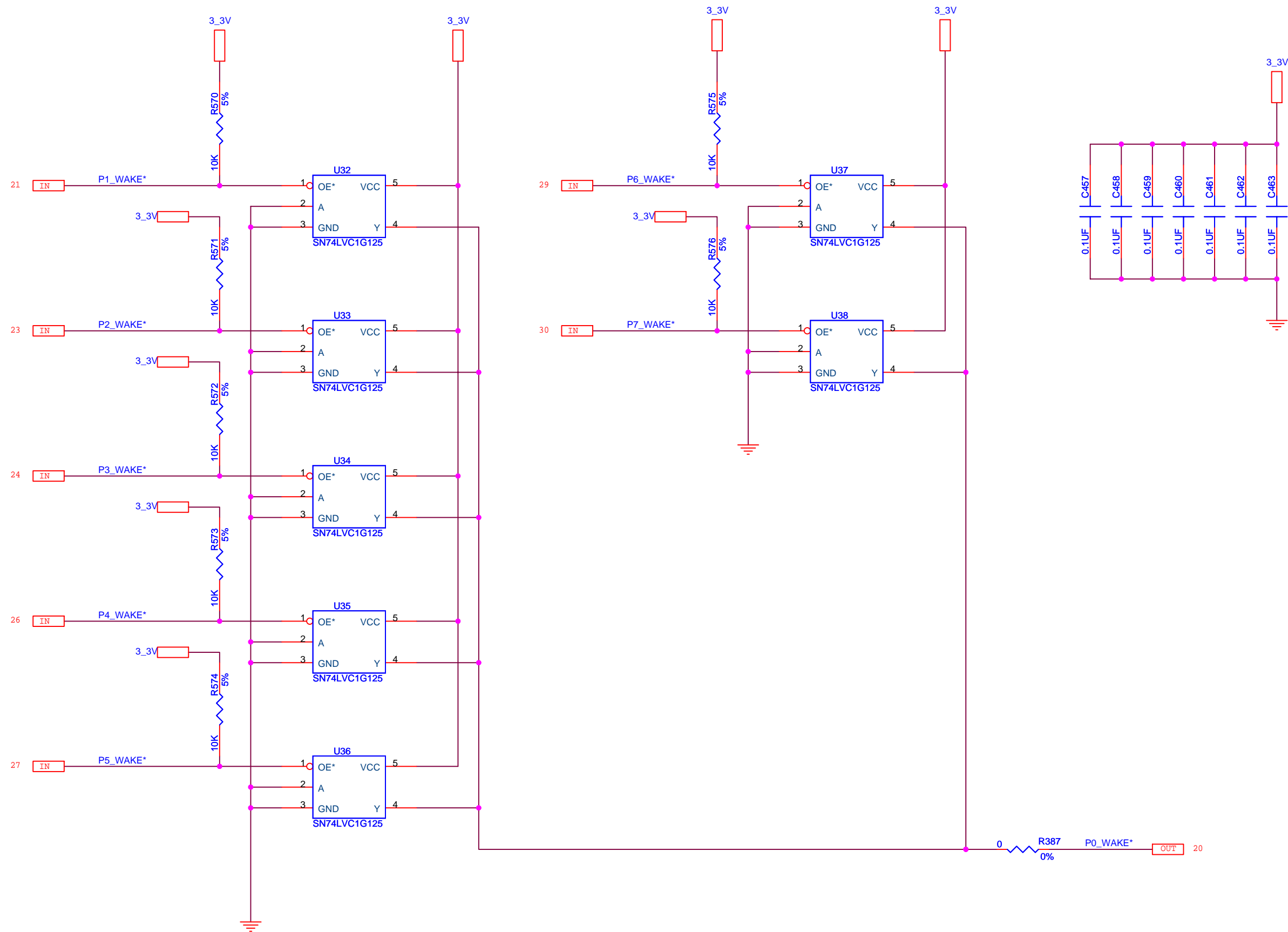
TITLE 89EBPES32H8			
PCI EXPRESS PORT 6			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI
Wednesday, July 18, 2007		SHEET	29 OF 31






CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

TITLE 89EBPES32H8			
PCI EXPRESS PORT 7			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI
Wednesday, July 18, 2007		SHEET	30 OF 31





CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

TITLE 89EBPES32H8			
WAKE			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00101	18-625-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
BAYSIDE		ASHOK	UMAIR/ALI
Wednesday, July 18, 2007		SHEET	31 OF 31