


SHEET	DESCRIPTION
1	TABLE OF CONTENTS
2	BLOCK DIAGRAM
3	POWER SUPPLY
4	CLOCK REFERENCE
5	CLOCK DISTRIBUTION P1-5
6	CLOCK DISTRIBUTION P6-10
7	CLOCK DISTRIBUTION P11-15
8	IO EXPANDER P1 - P8
9	IO EXPANDER P9 - P15
10	IO EXPANDER ATTN AND LEDS
11	IO EXPANDER LINK STATUS
12	HOT PLUG CONTROL PORT 2/3
13	HOT PLUG CONTROL PORT 4/5
14	HOT PLUG CONTROL PORT 6/7
15	HOT PLUG CONTROL PORT 8/9
16	HOT PLUG CONTROL PORT 10/11
17	HOT PLUG CONTROL PORT 12/13
18	HOT PLUG CONTROL PORT 14/15
19	HOT PLUG CONTROL PORT 1
20	PM PORT 0/1
21	PM PORT 2/3
22	PM PORT 4/5
23	PM PORT 6/7
24	PM PORT 8/9
25	PM PORT 10/11
26	PM PORT 12/13
27	PM PORT 14/15
28	PORT 0/1 CONNECTORS
29	PORT 2/3 CONNECTORS
30	PORT 4/5 CONNECTORS
31	PORT 6/7 CONNECTORS
32	PORT 8/9 CONNECTORS
33	PORT 10/11 CONNECTORS
34	PORT 12/13 CONNECTORS
35	PORT 14/15 CONNECTORS
36	PES64H16 POWER
37	POWER DECOUPLING AND WAKE
38	PES64H16 SMBUS REFCLK

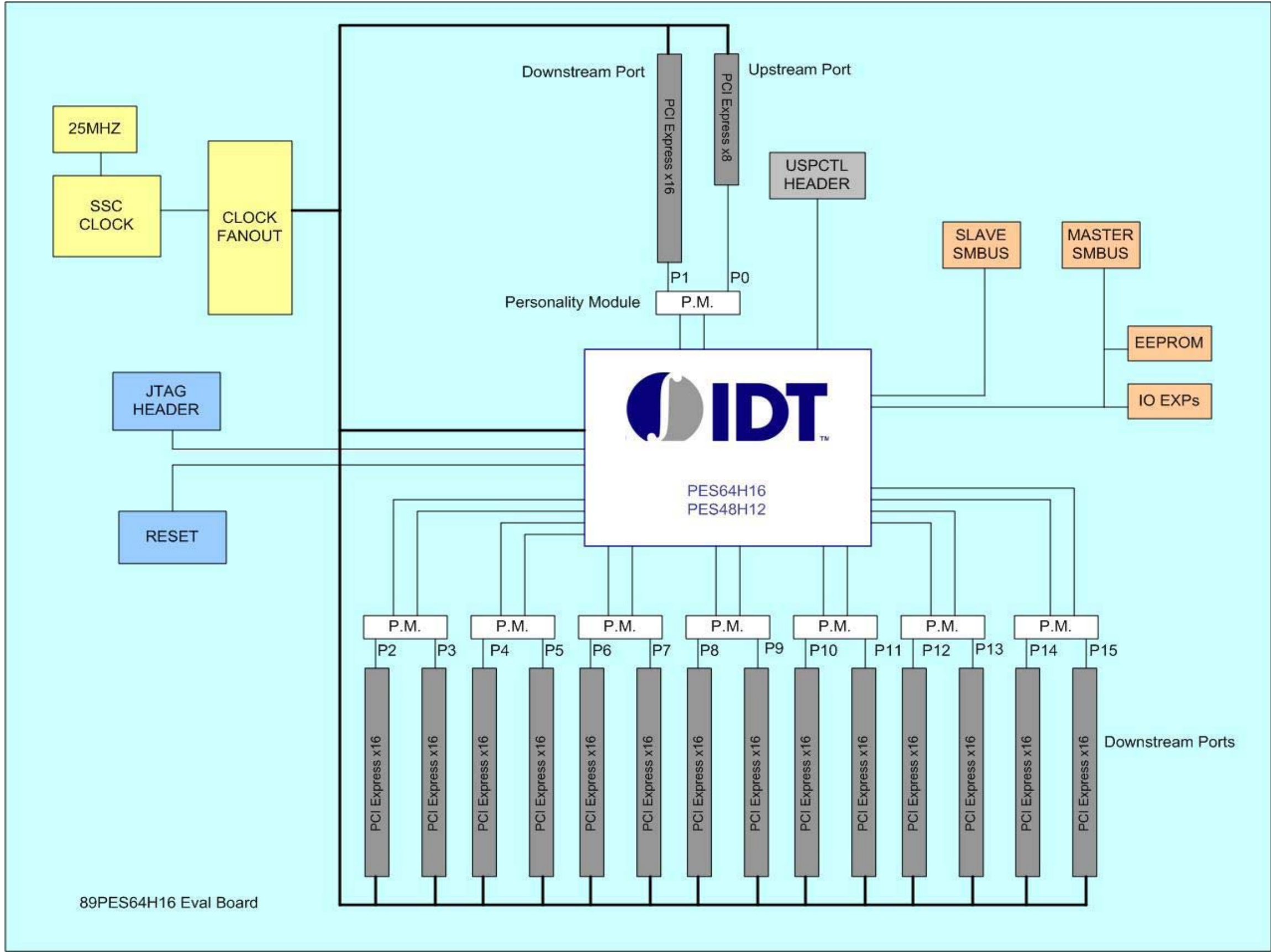
REVISIONS				
DCN	REV	DESCRIPTION	DATE	CHANGE BY
STGC-0099R01	1.0	INITIAL RELEASE	2007-02-06	J.CARRILLO




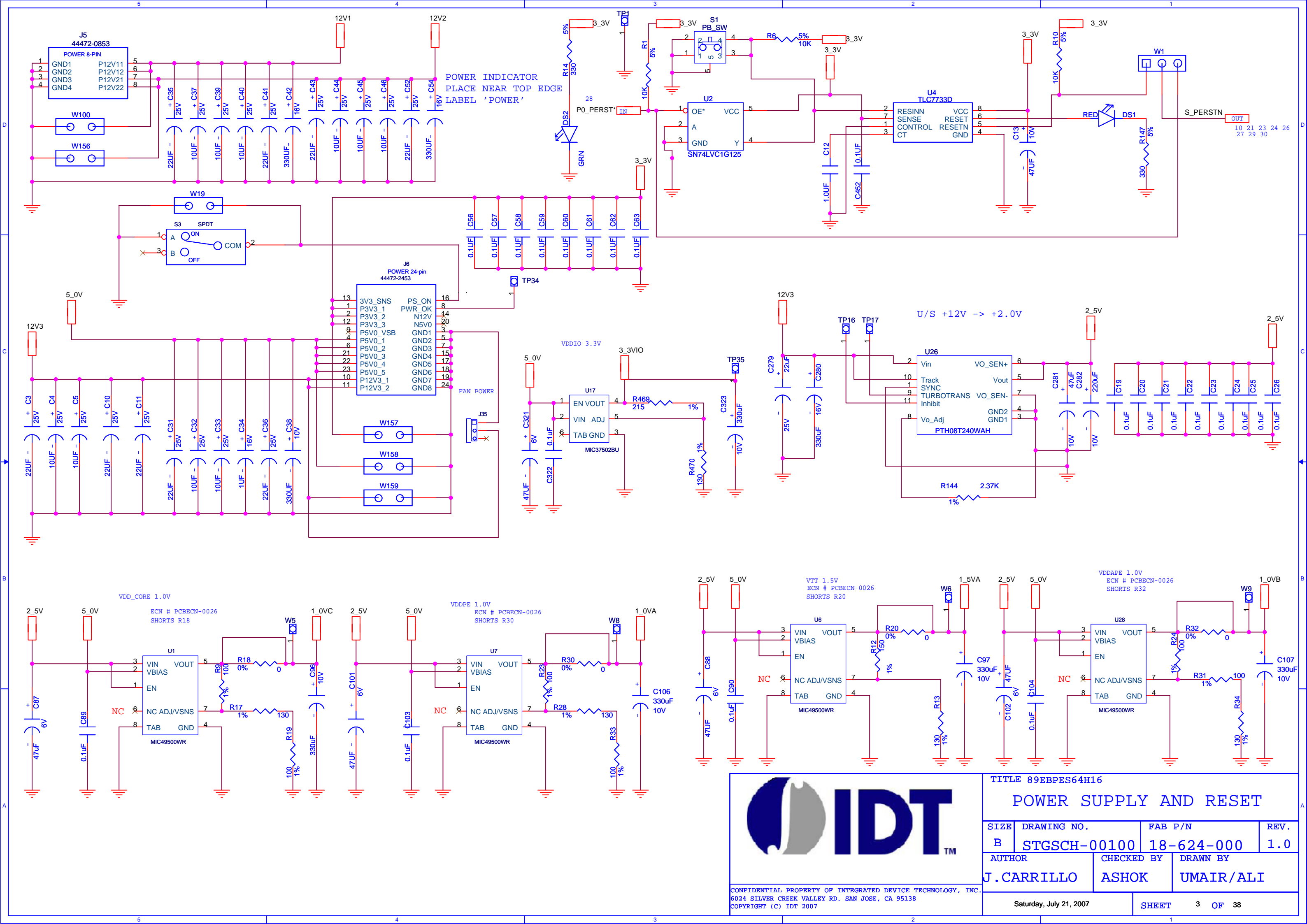
CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

TITLE 89EBPES64H16
89HPES64H16EVALUATION BOARD

SIZE B	DRAWING NO. STGSCH-00100	FAB P/N 18-624-000	REV. 1.0
AUTHOR J.CARRILLO		CHECKED BY ASHOK	DRAWN BY UMAIR/ALI
Saturday, July 21, 2007			SHEET 1 OF 38

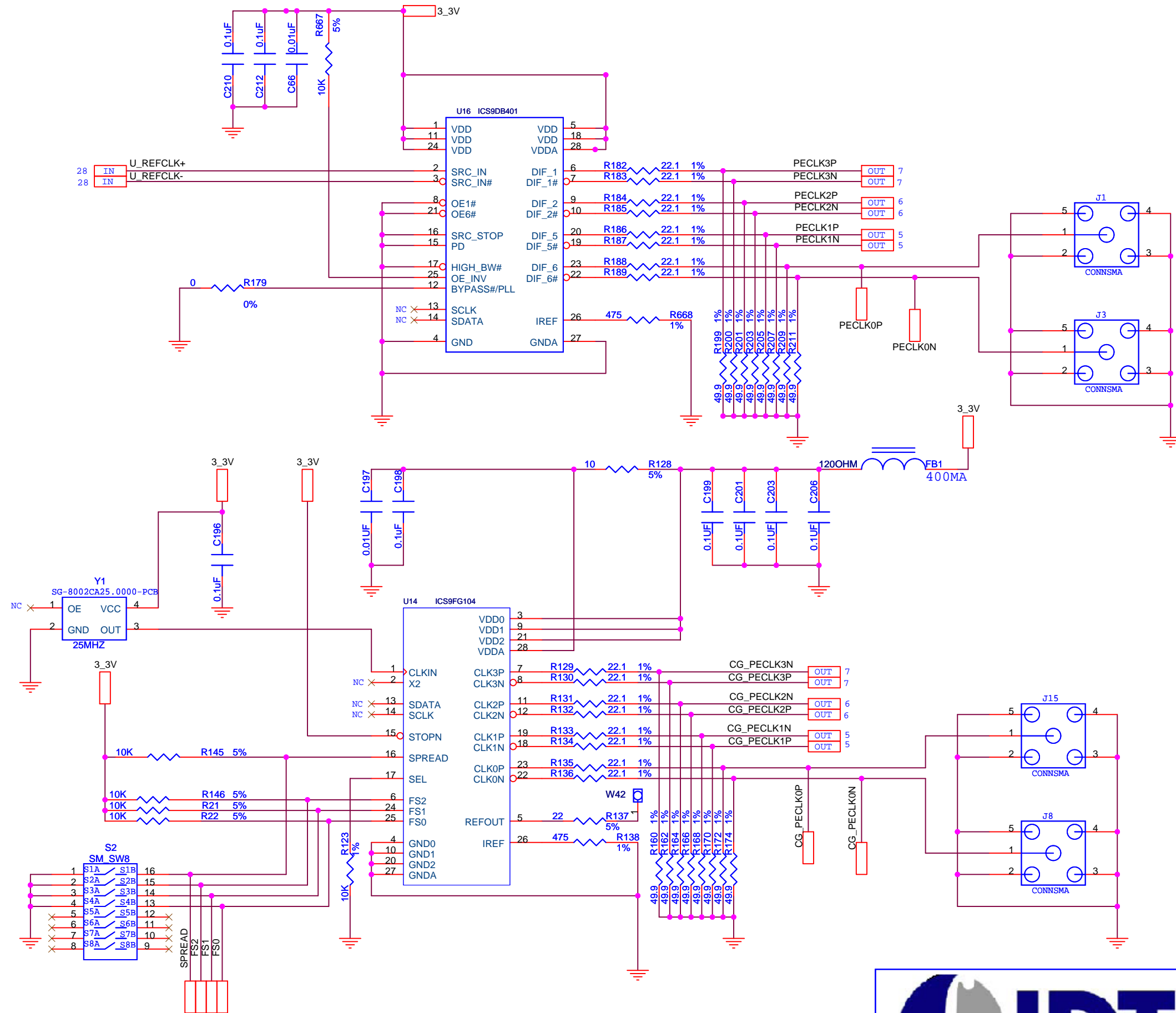



		TITLE 89BPES64H16			
		BLOCK DIAGRAM			
		SIZE	DRAWING NO.	FAB P/N	REV.
		B	STGSCH-00100	18-624-000	1.0
		AUTHOR	CHECKED BY	DRAWN BY	
		J. CARRILLO	ASHOK	UMAIR/ALI	
CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC. 6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138 COPYRIGHT (C) IDT 2007		Saturday, July 21, 2007		SHEET	2 OF 38



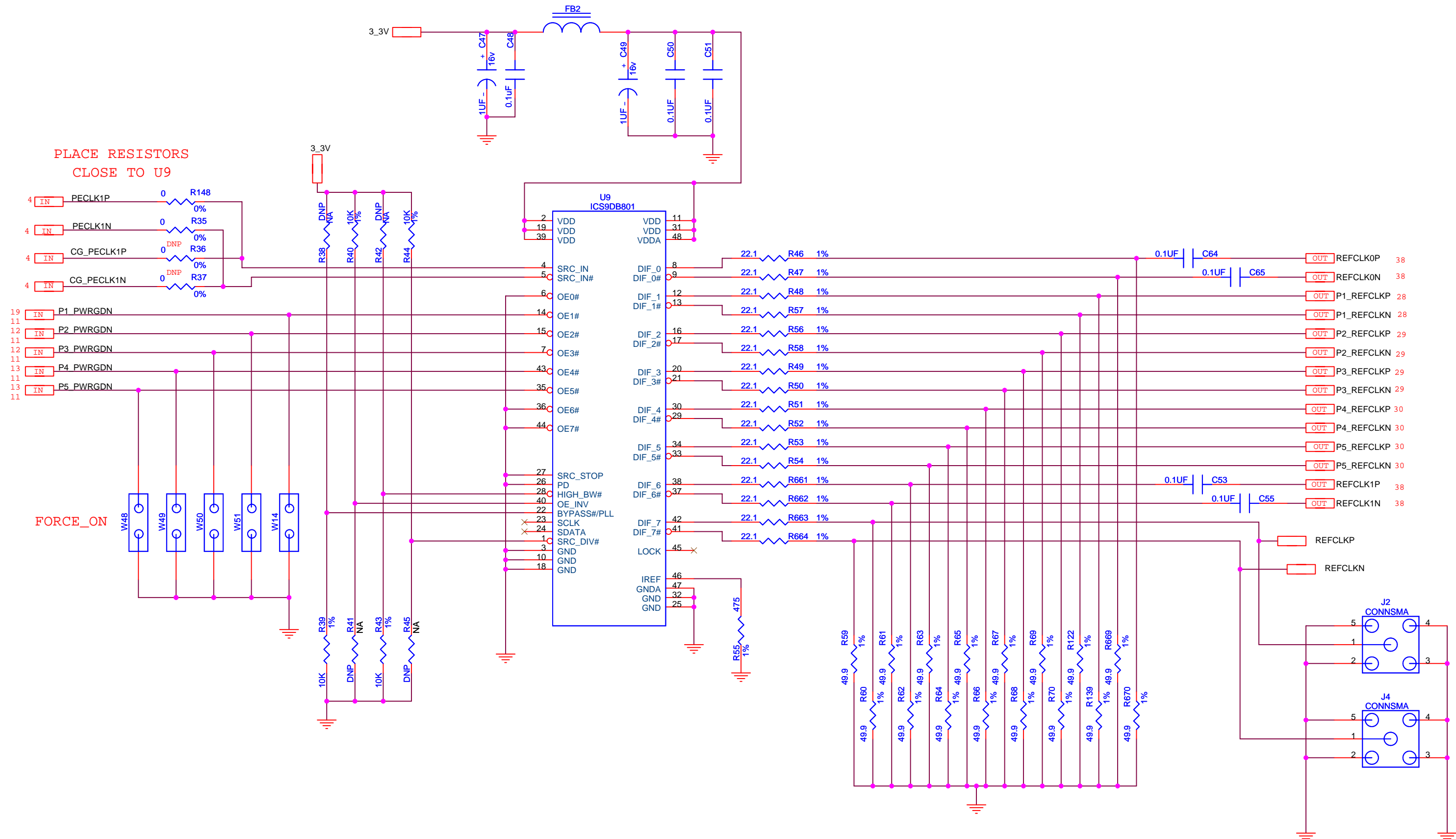
TITLE 89EBPES64H16			
POWER SUPPLY AND RESET			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00100	18-624-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/ALI
Saturday, July 21, 2007		SHEET	3 OF 38


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



				TITLE 89EBPES64H16			
				CLOCK REFERENCE			
SIZE	DRAWING NO.	FAB P/N	REV.				
B	STGSCH-00100	18-624-000	1.0				
AUTHOR		CHECKED BY	DRAWN BY				
J. CARRILLO		ASHOK	UMAIR/ALI				
Saturday, July 21, 2007			SHEET 4 OF 38				

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

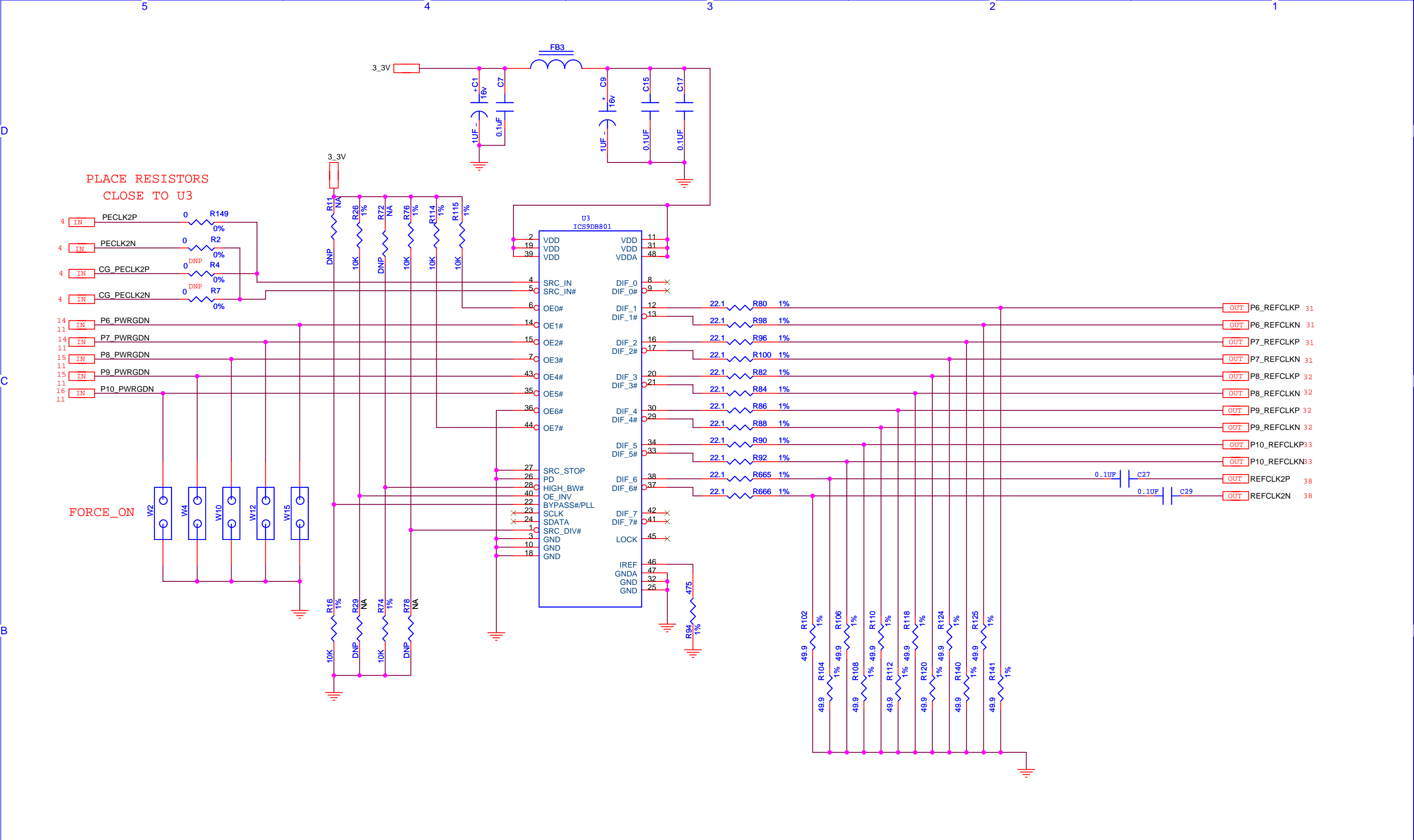
TITLE 89EBPES64H16


CLOCK DISTRIBUTION P1-5

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00100	18-624-000	1.0

AUTHOR	CHECKED BY	DRAWN BY
J. CARRILLO	ASHOK	UMAIR/ALI

Saturday, July 21, 2007		SHEET	5 OF	38
-------------------------	--	-------	------	----





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

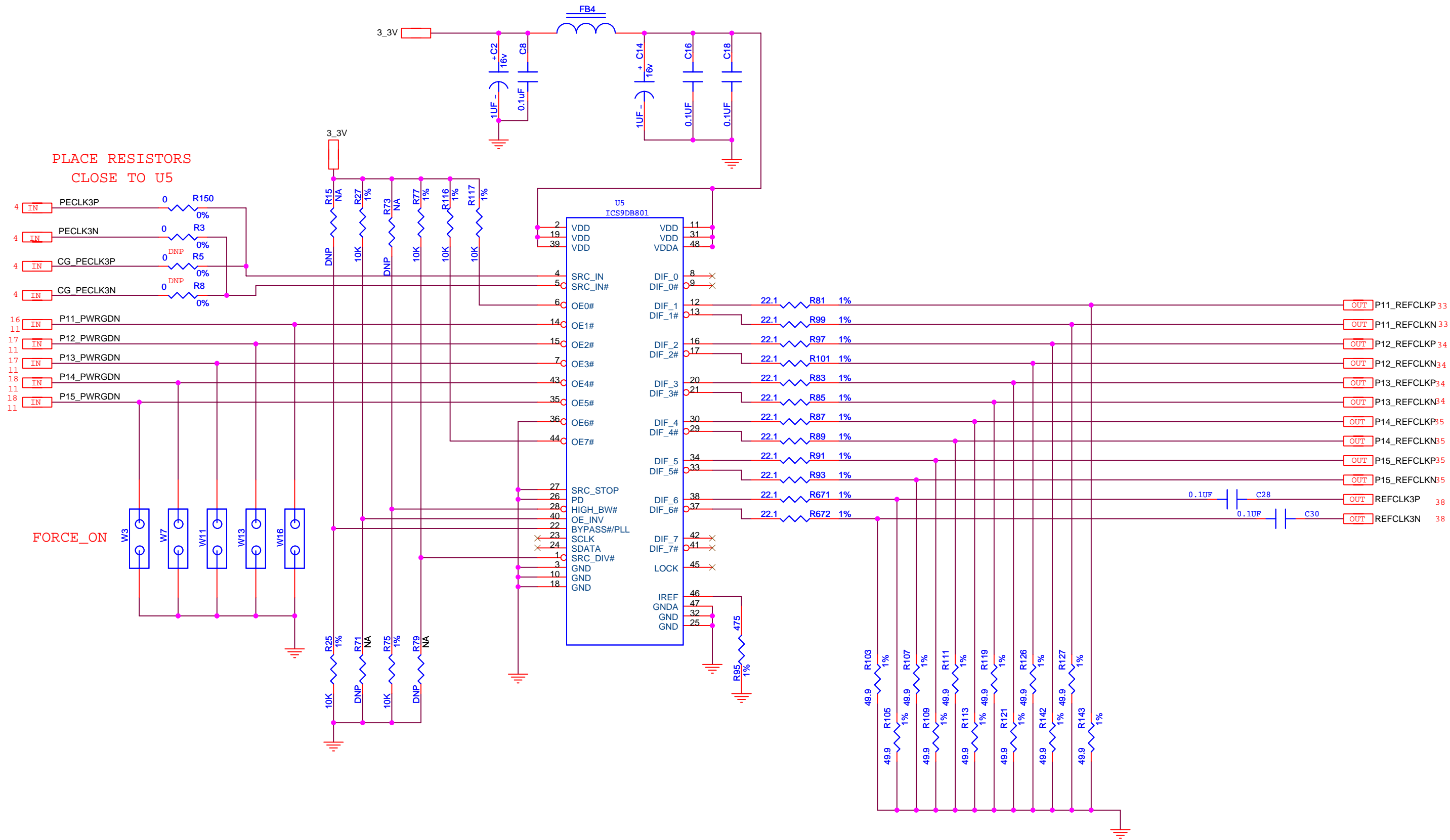
TITLE 89EBPES64H16

CLOCK DISTRIBUTION P6-1

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00100	18-624-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J.CARRILLO		ASHOK	UMAIR/ALI

Saturday, July 21, 2007

SHEET 6 OF 38



TITLE 89EBPES64H16

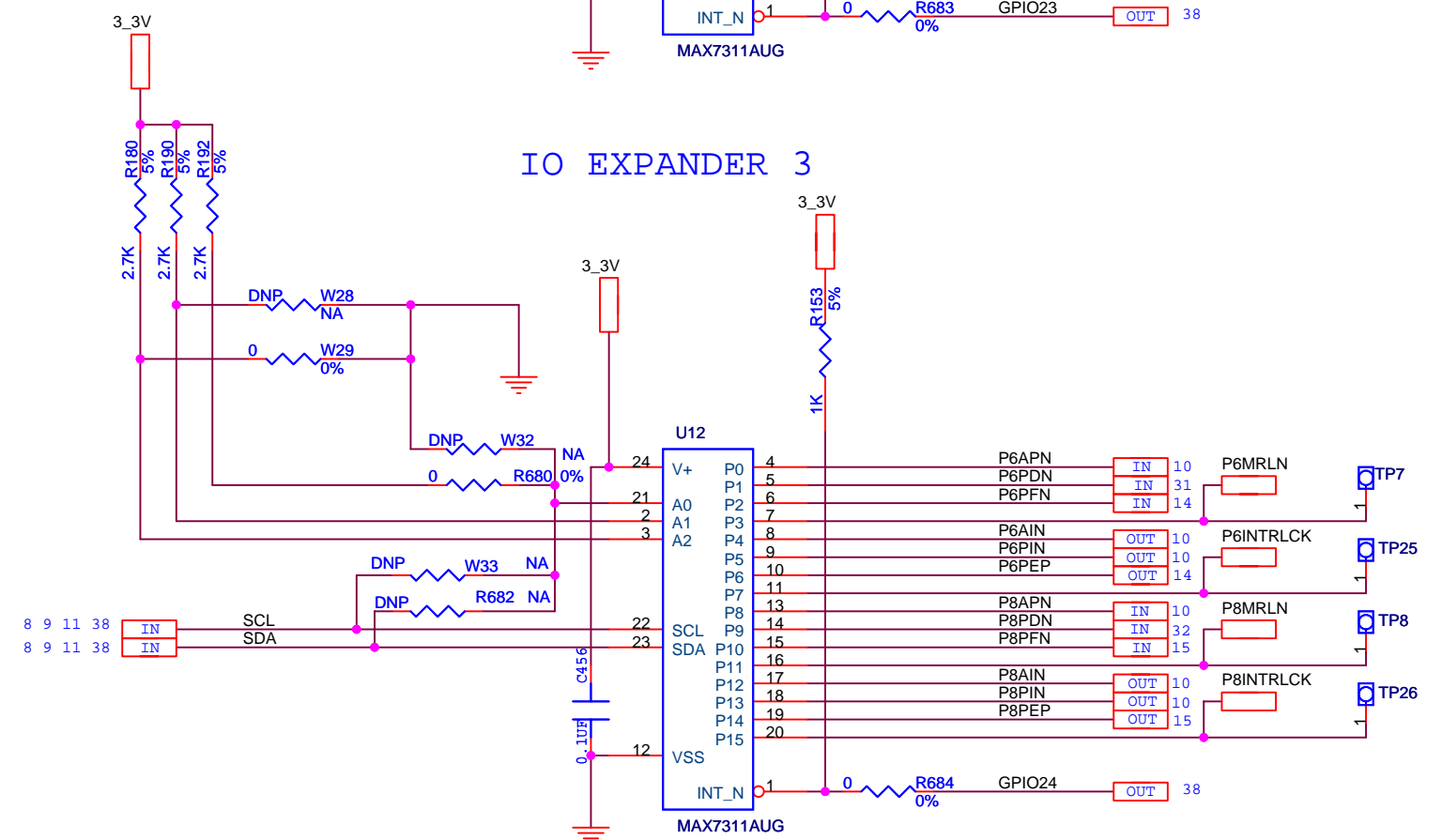
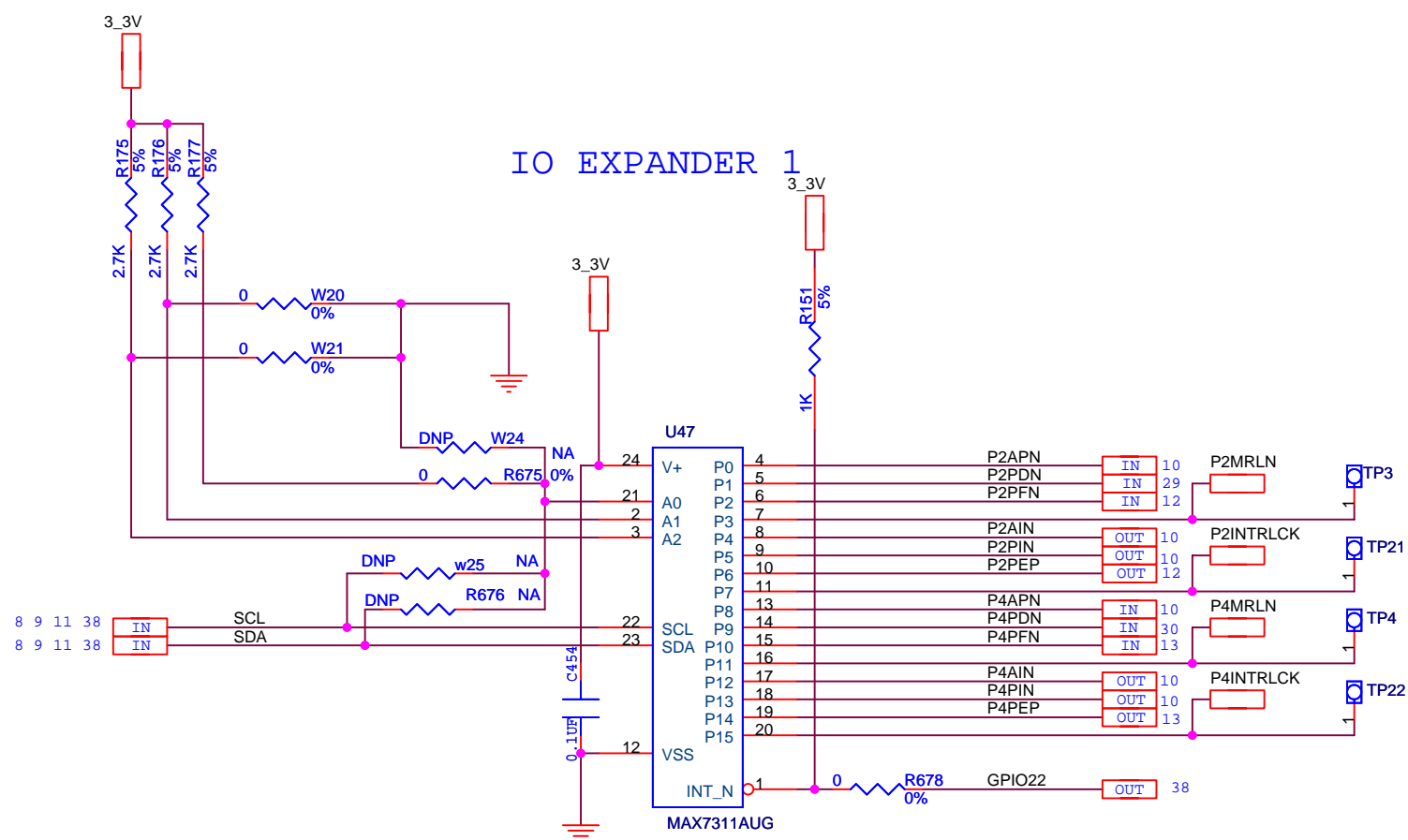
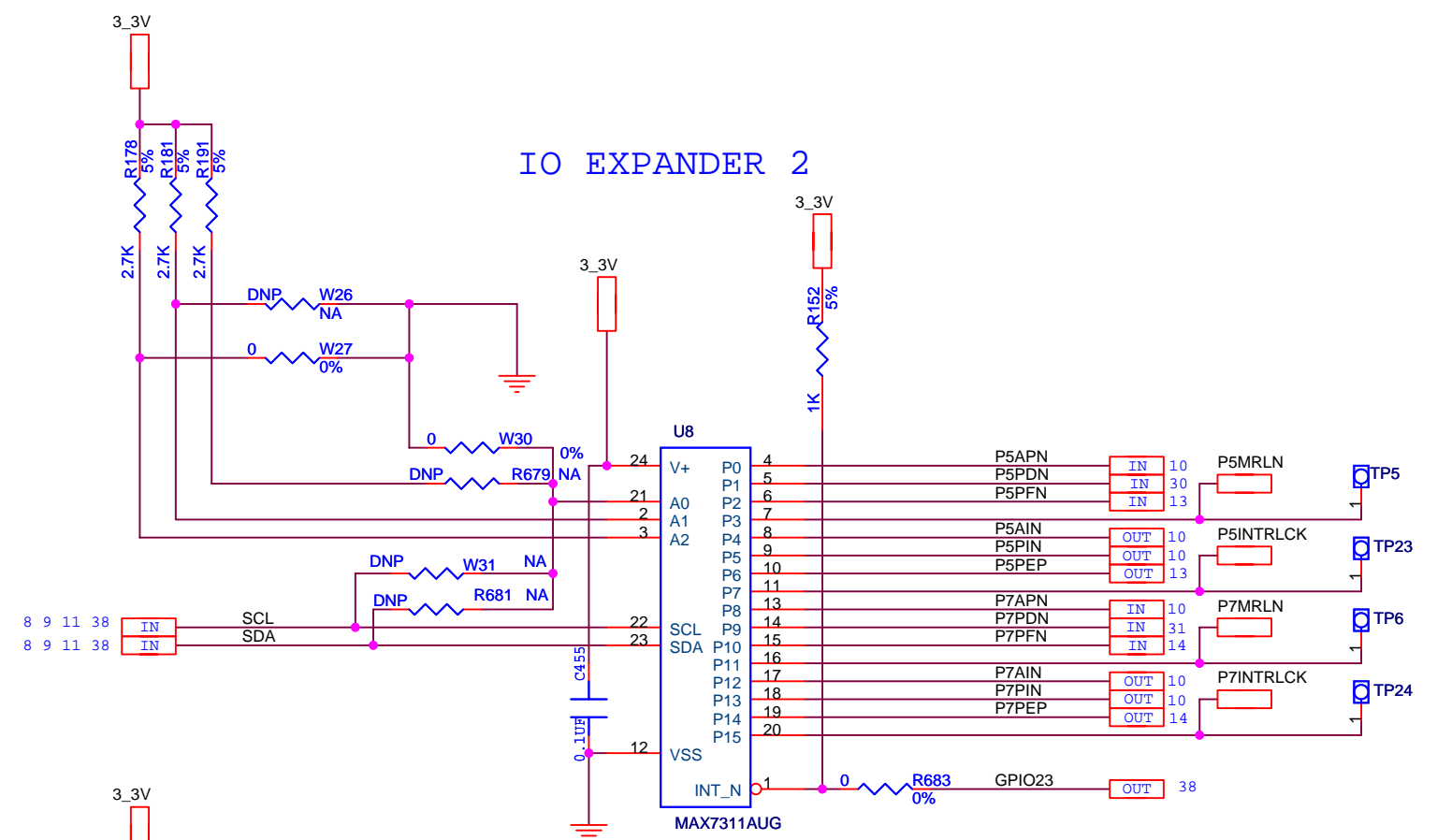
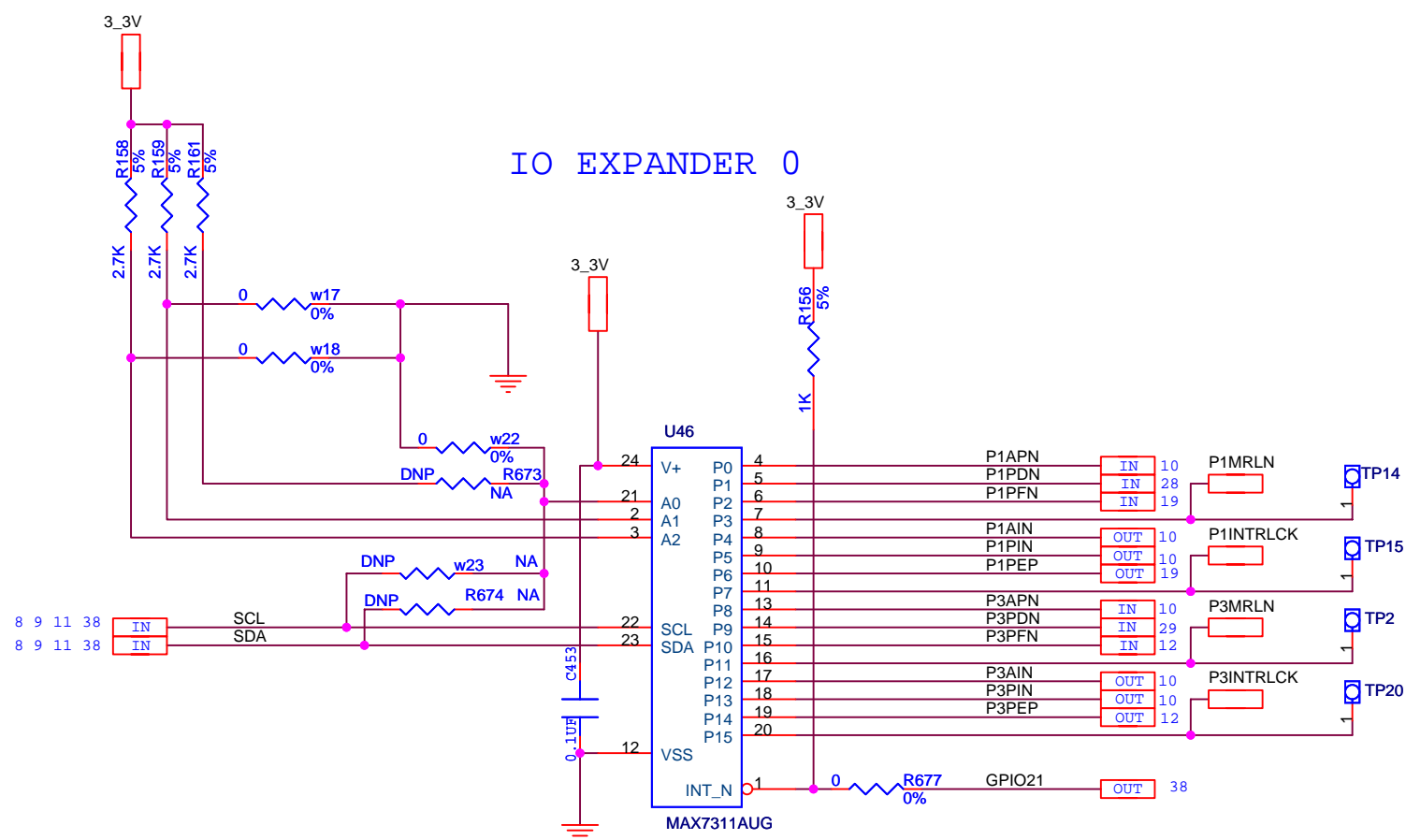
CLOCK DISTRIBUTION P11-15

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00100	18-624-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J.CARRILLO		ASHOK	UMAIR/ALI

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

Saturday, July 21, 2007

SHEET 7 OF 38



TITLE	89EBPES64H16
-------	--------------

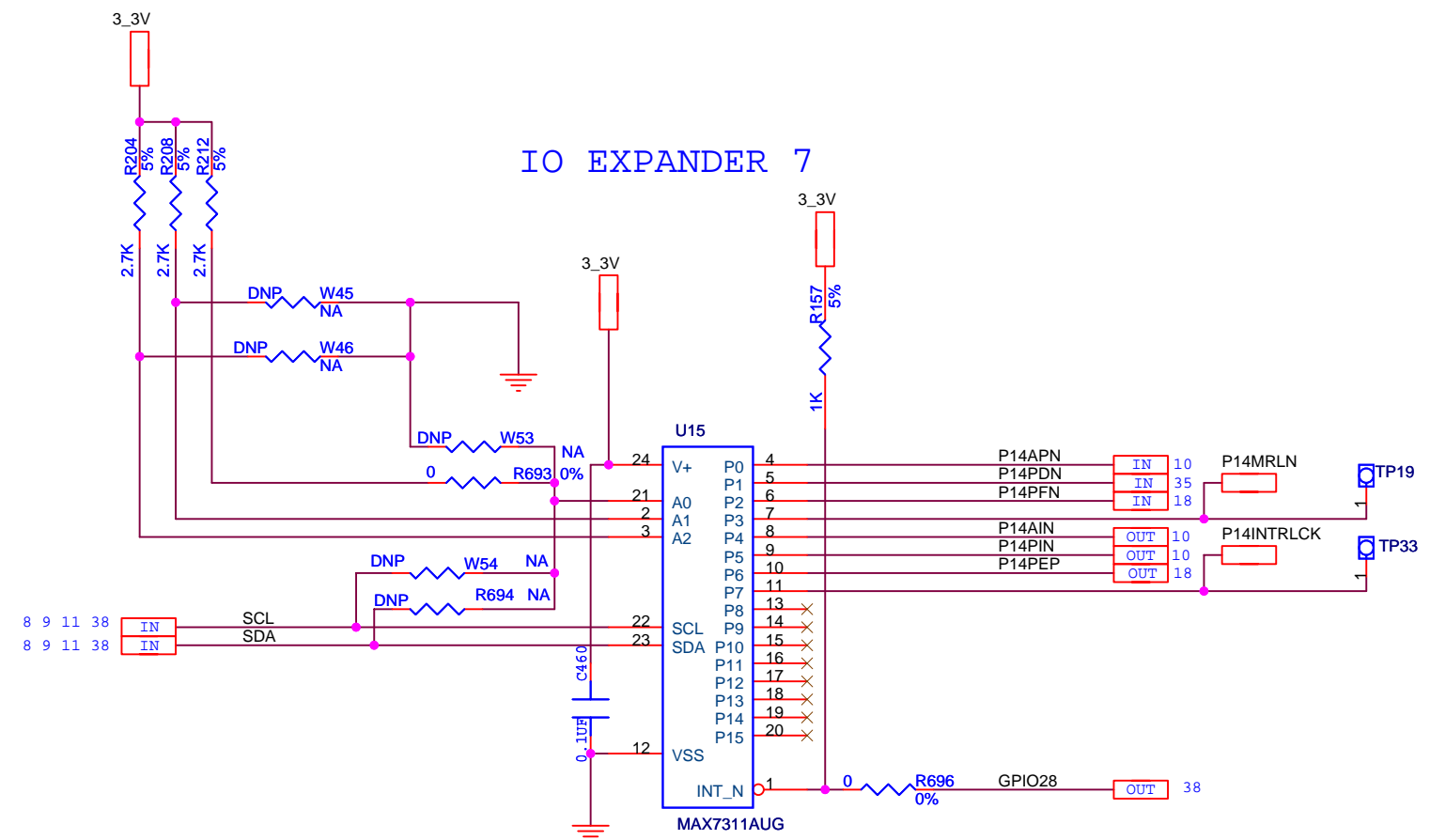
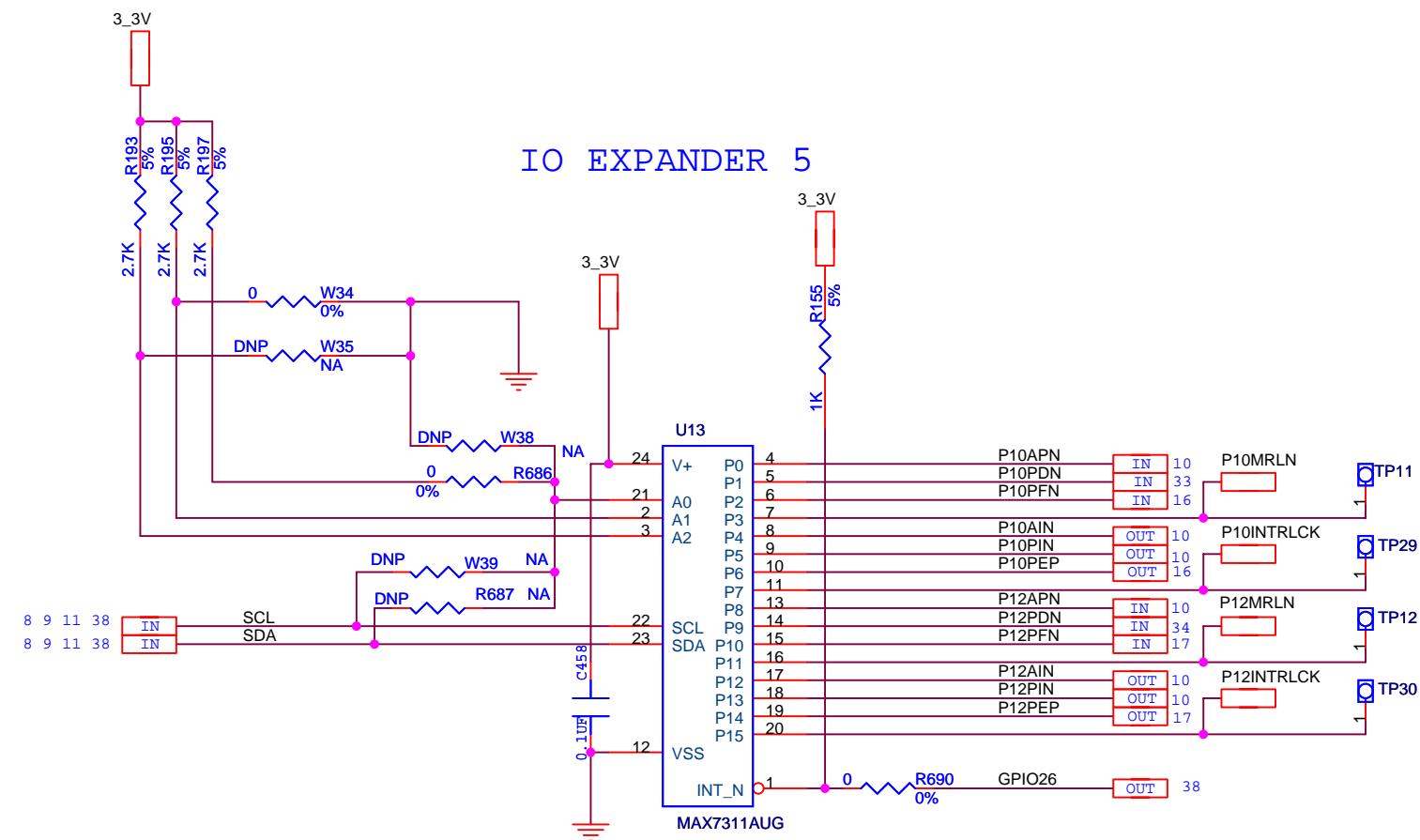
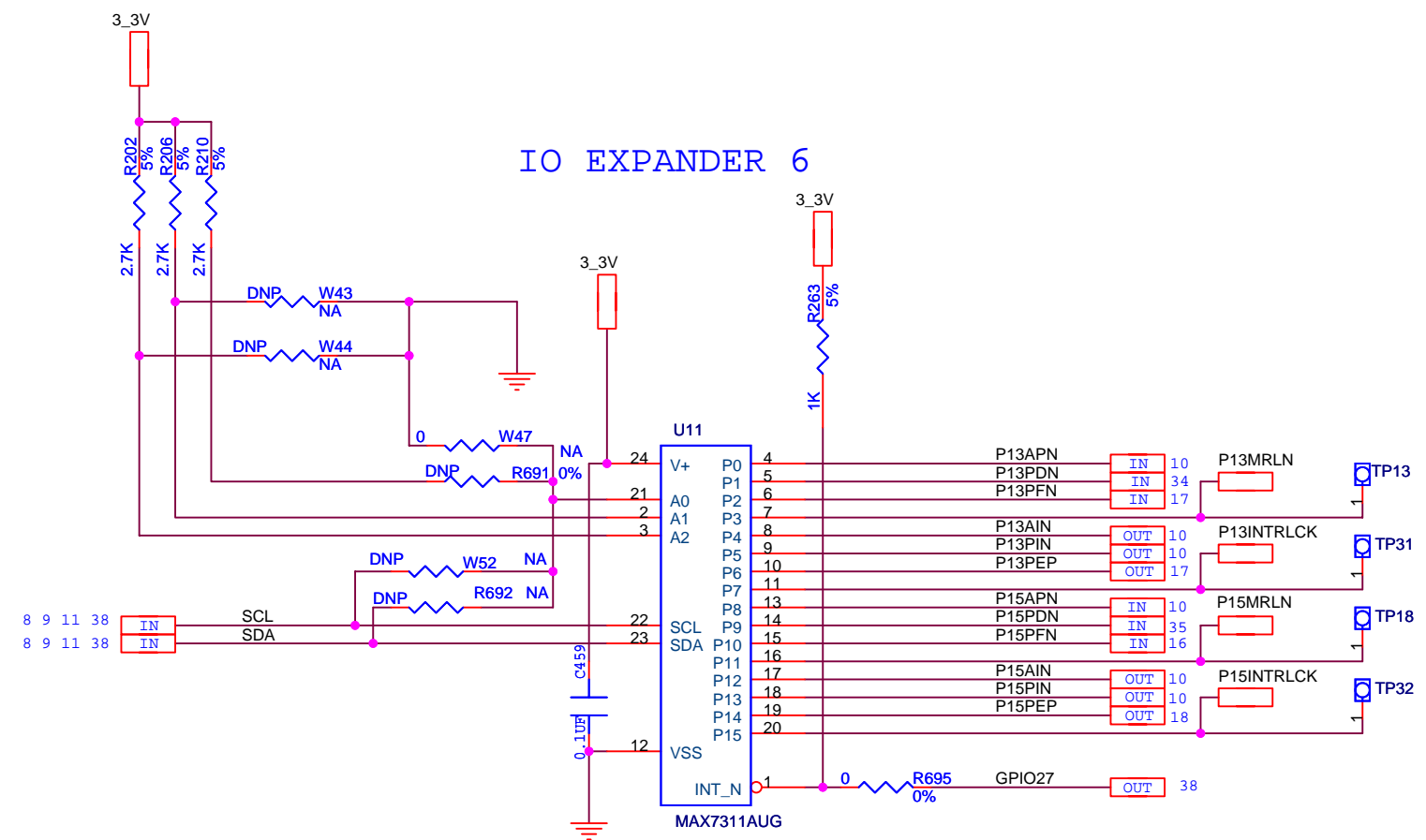
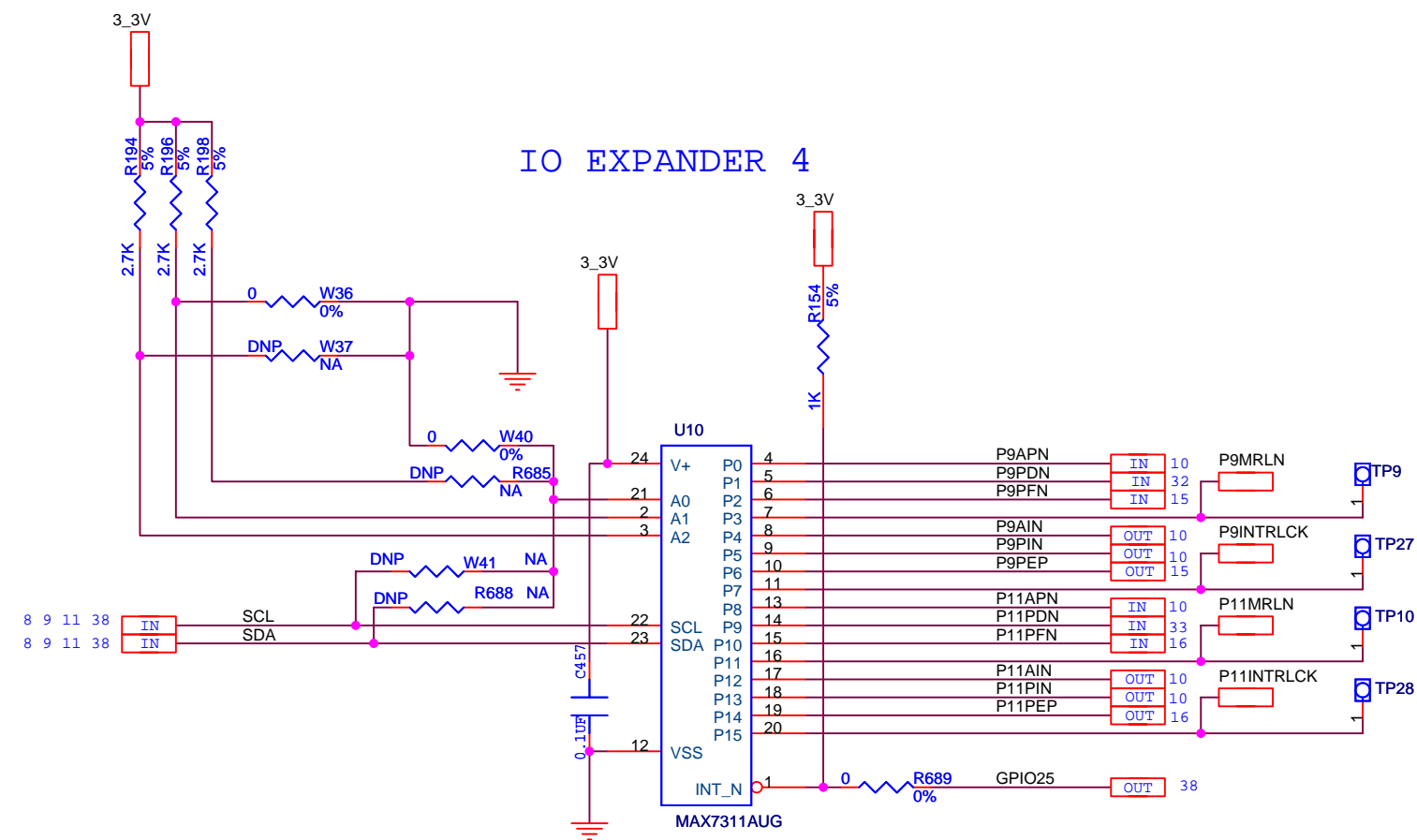
IO EXPANDER P1 - P8

SIZE B	DRAWING NO. STGSCH-00100	FAB P/N 18-624-000	REV. 1.0
AUTHOR J. CARRILLO		CHECKED BY ASHOK	DRAWN BY UMAIR/ALI

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

Saturday, July 21, 2007

SHEET 8 OF 38



TITLE 89EBPES64H16

IO EXPANDER P9 - P15

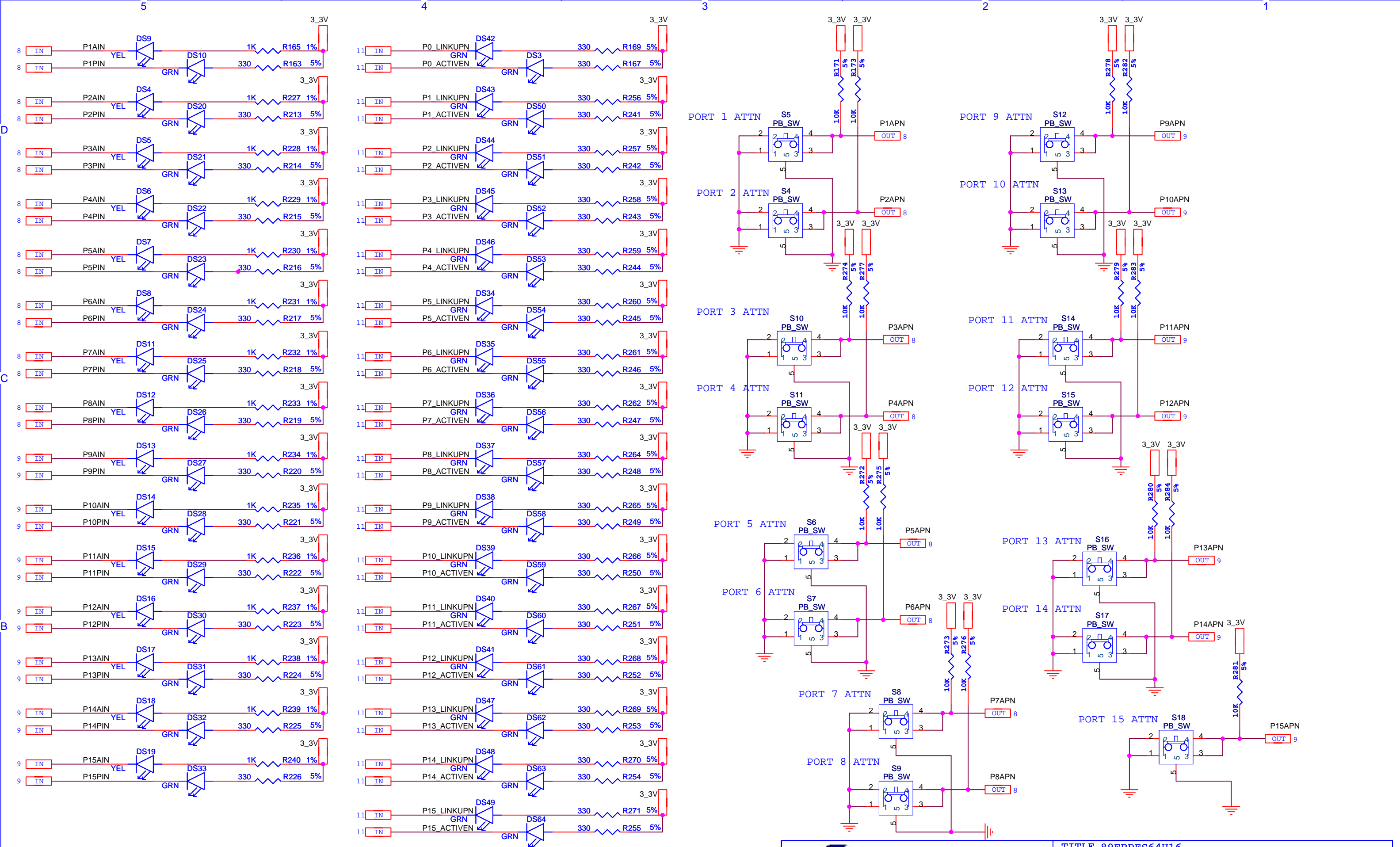
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00100	18-624-000	1.0

AUTHOR	CHECKED BY	DRAWN BY
J. CARRILLO	ASHOK	UMAIR/ALI

Saturday, July 21, 2007

SHEET 9 OF 38

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



TITLE 89EBPES64H16

IO EXPANDER ATTN PB/LEDS

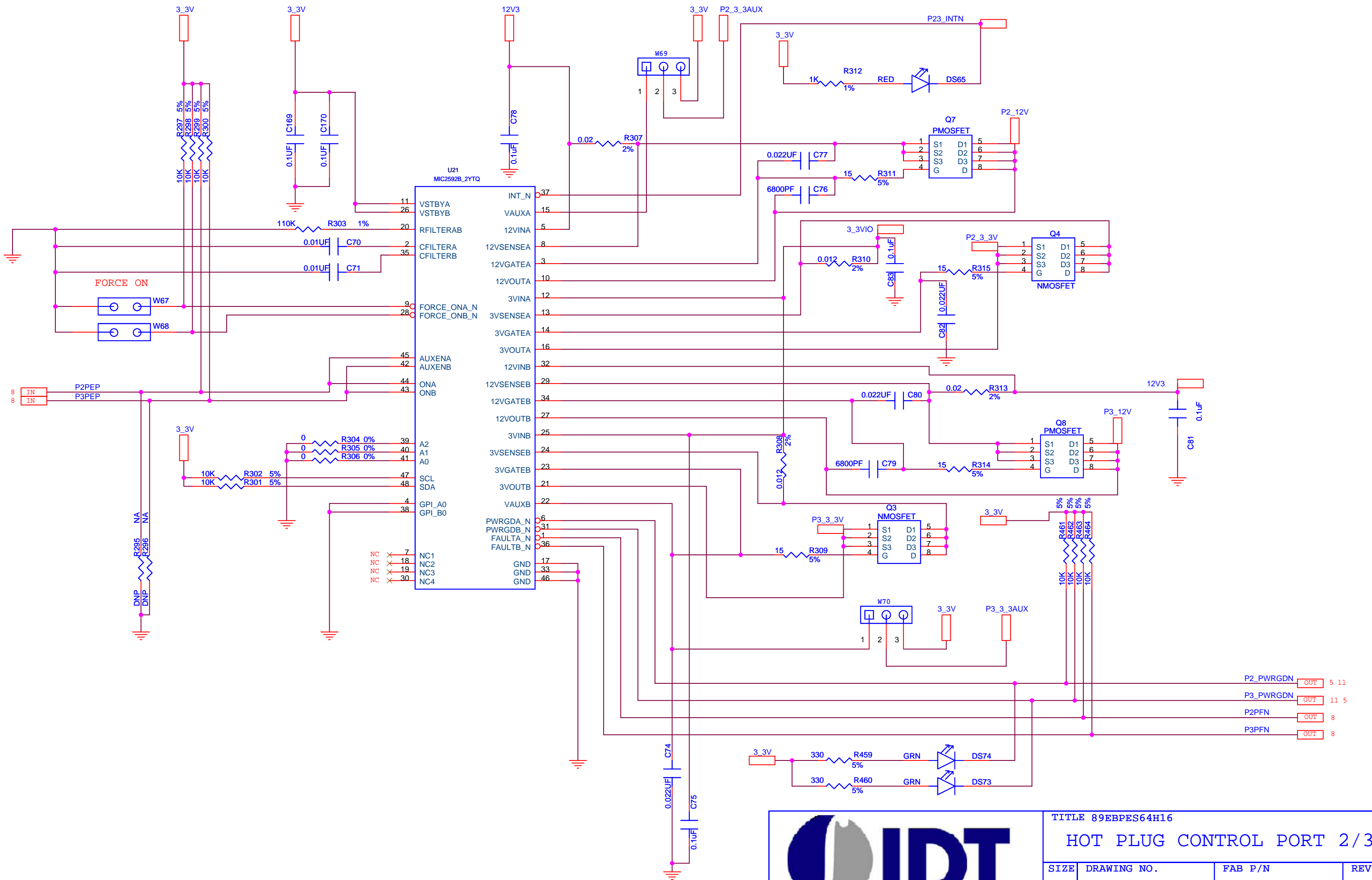
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00100	18-624-000	1.0


AUTHOR	CHECKED BY	DRAWN BY
J.CARRILLO	ASHOK	UMAIR/ALI

Saturday, July 21, 2007

SHEET 10 OF 38

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

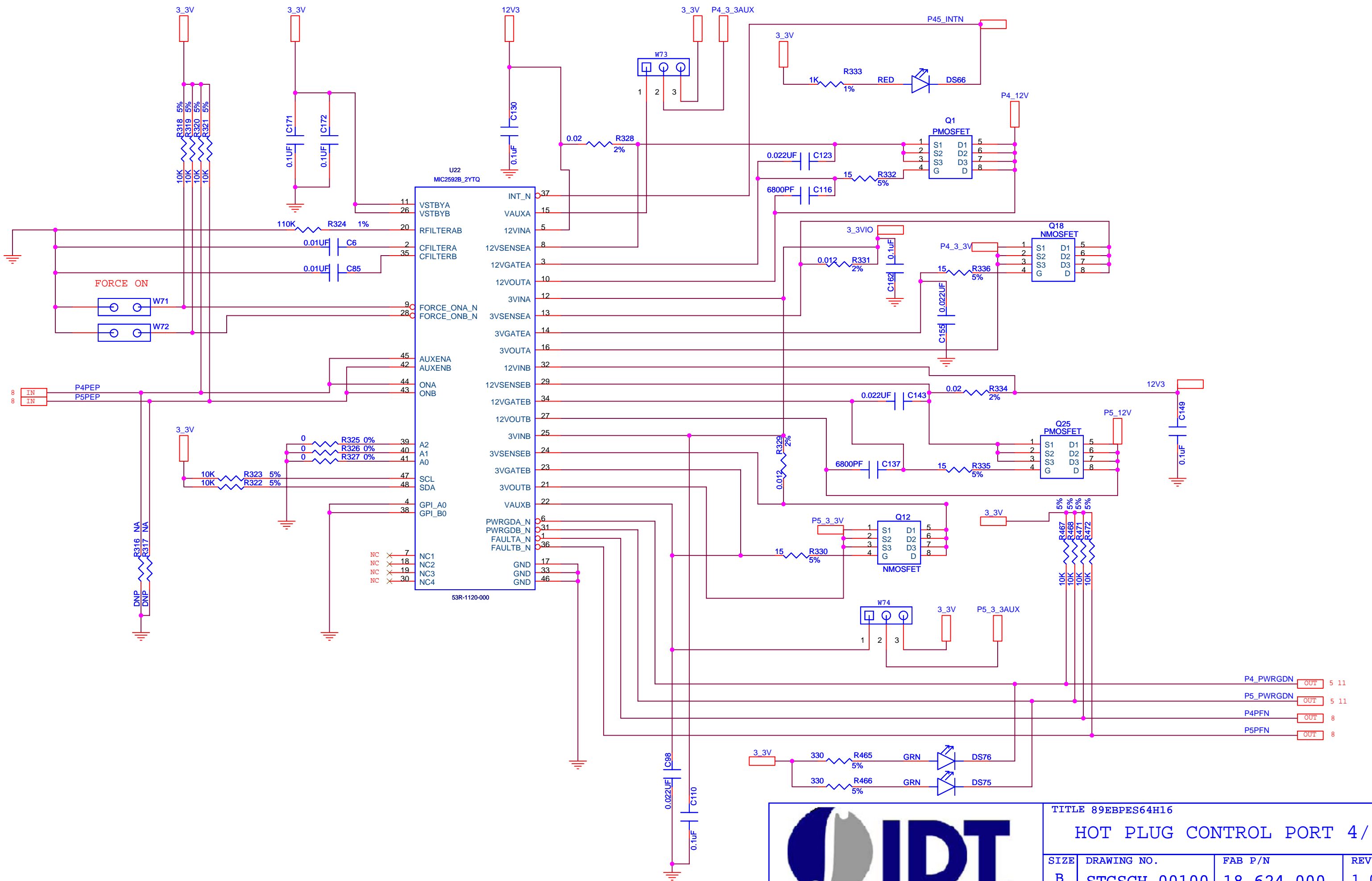





CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

TITLE 89EBPES64H16
HOT PLUG CONTROL PORT 2/3

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00100	18-624-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/ALI
Saturday, July 21, 2007		SHEET	12 OF 38



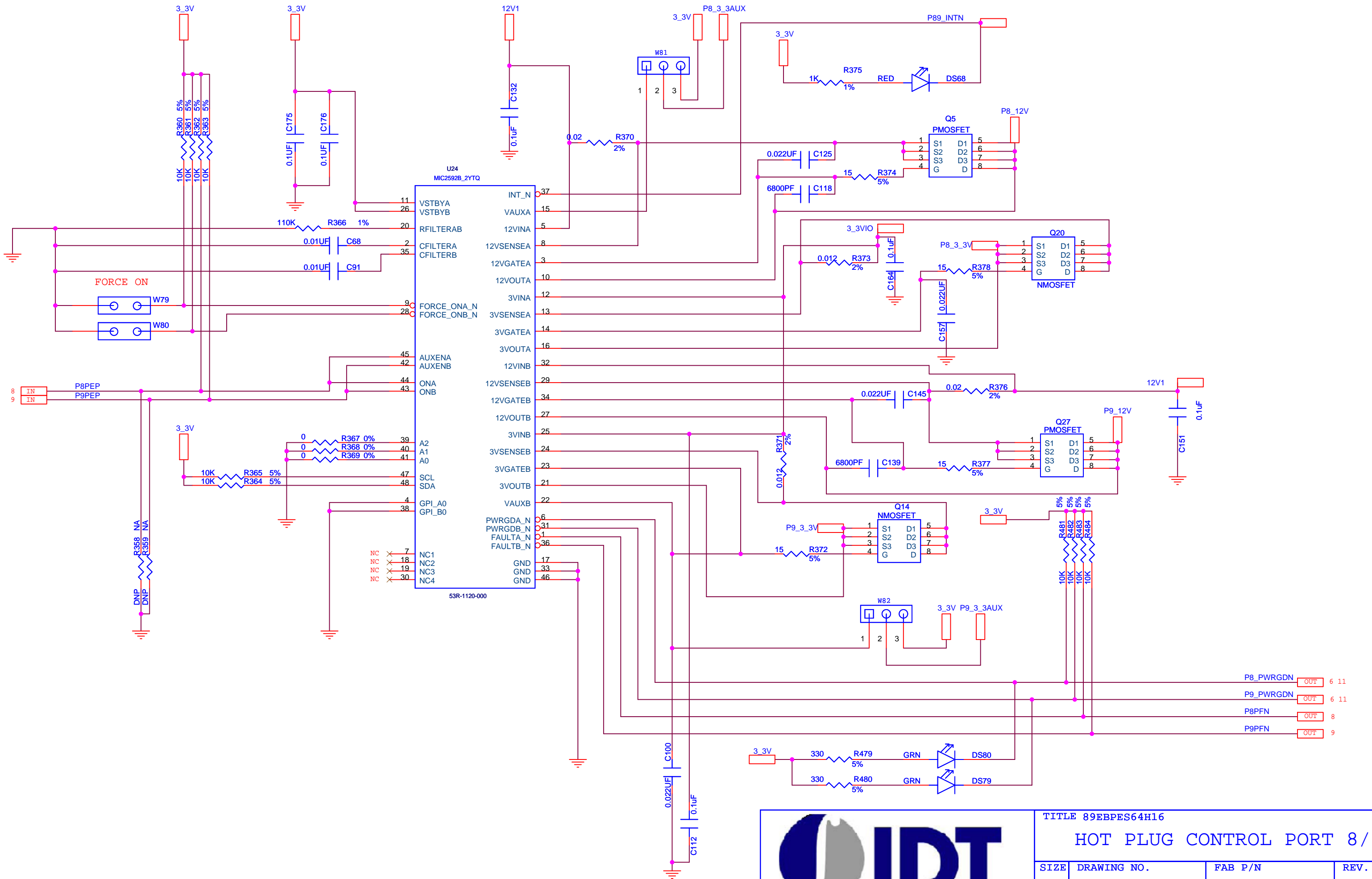


CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

TITLE 89EBPES64H16

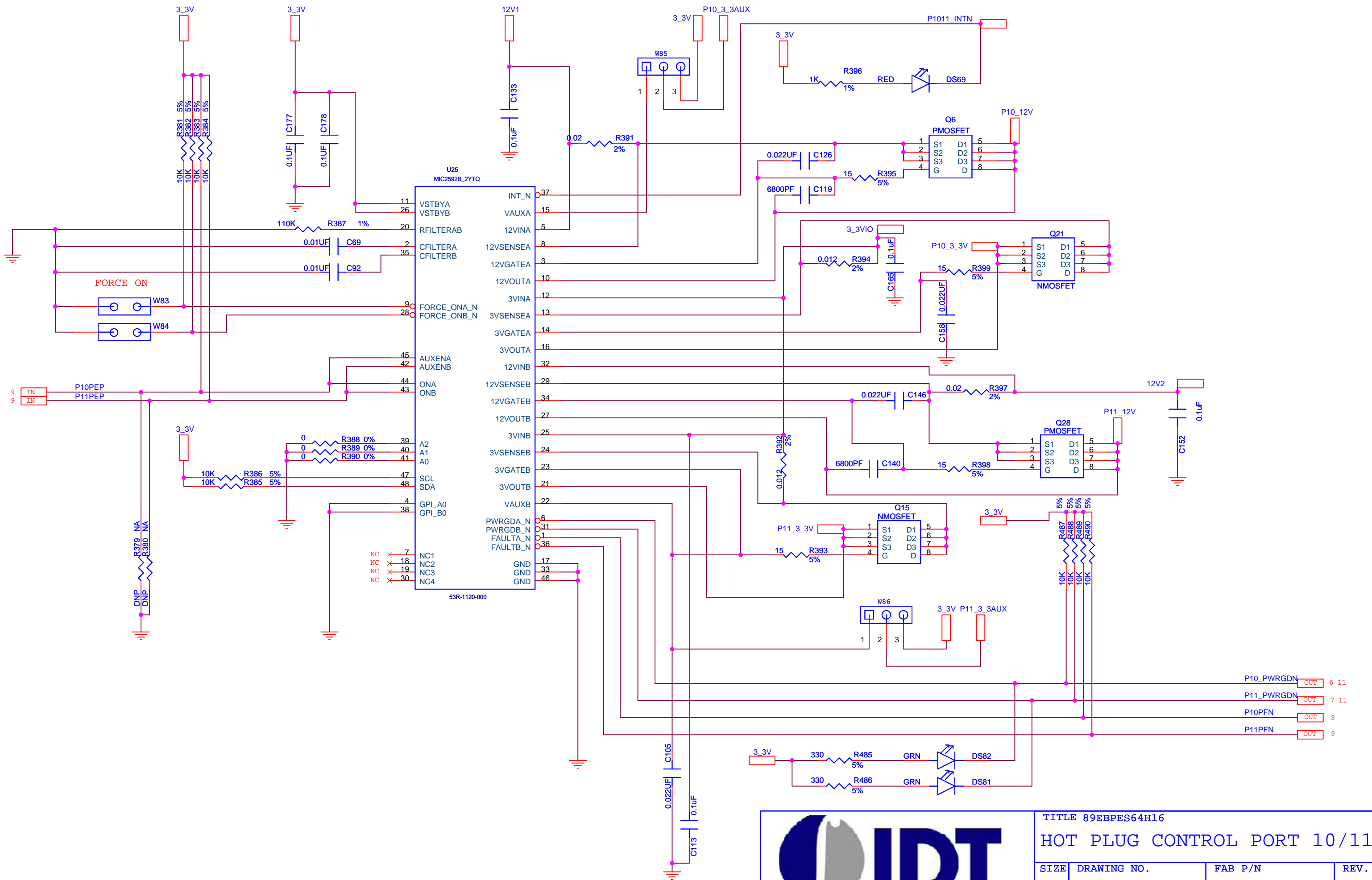
HOT PLUG CONTROL PORT 4/5


SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00100	18-624-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/ALI
Saturday, July 21, 2007		SHEET 13 OF 38	



TITLE 89EBPES64H16			
HOT PLUG CONTROL PORT 8/9			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00100	18-624-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/ALI
Saturday, July 21, 2007		SHEET	15 OF 38

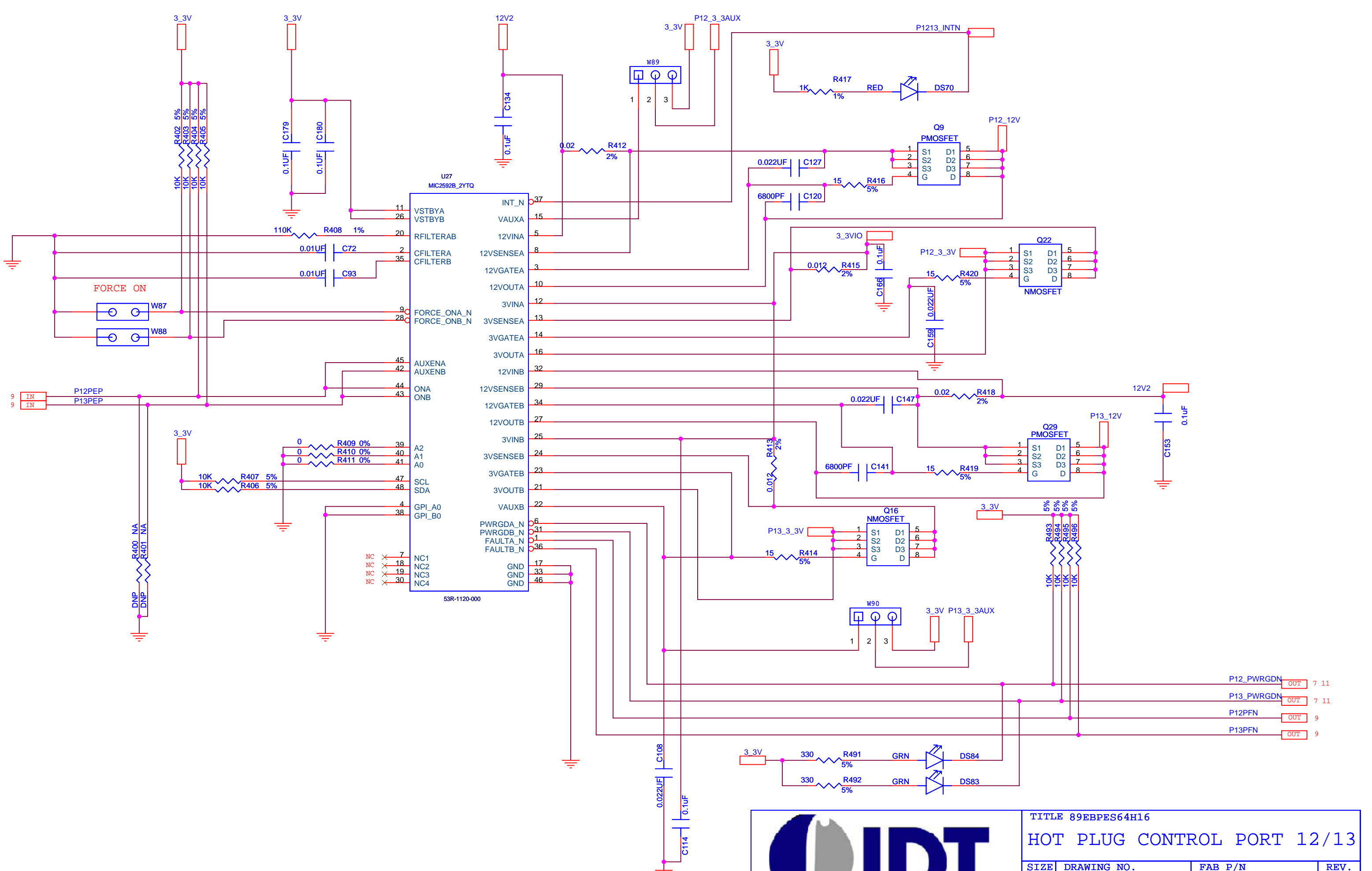
CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007






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

TITLE 89EBPES64H16			
HOT PLUG CONTROL PORT 10/11			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00100	18-624-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/ALI
Saturday, July 21, 2007		SHEET	16 OF 38

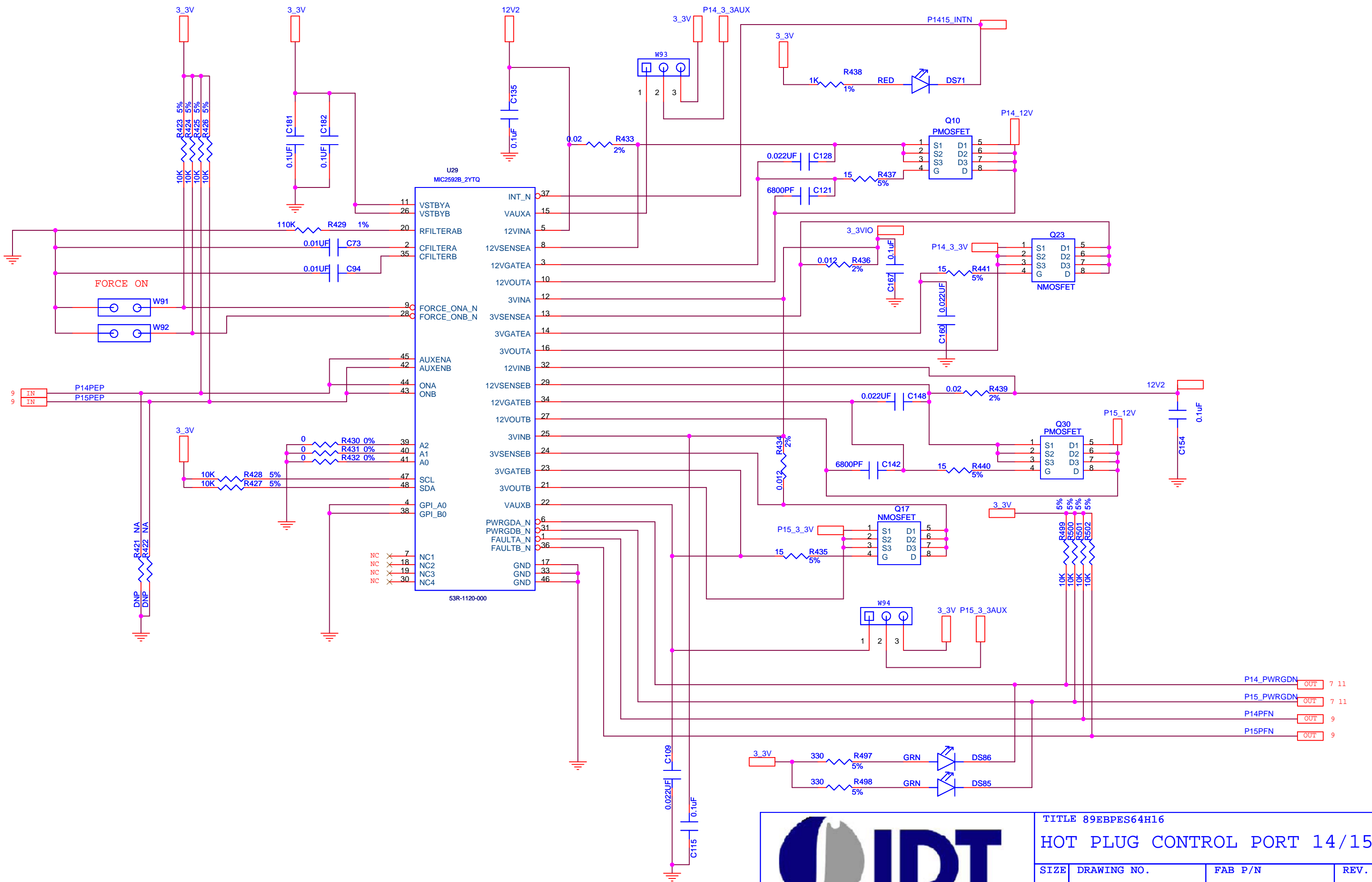





CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

TITLE 89EBPES64H16
HOT PLUG CONTROL PORT 12/13

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00100	18-624-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/ALI
Saturday, July 21, 2007		SHEET 17 OF 38	

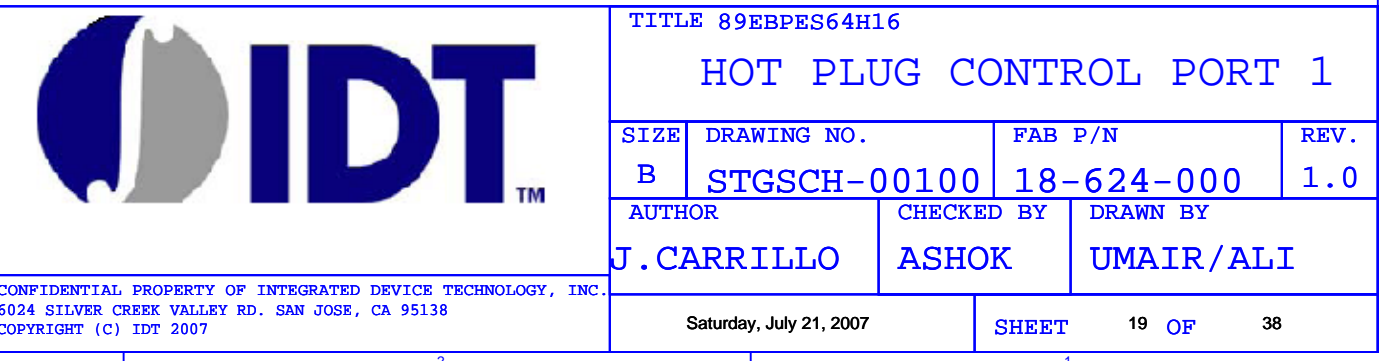


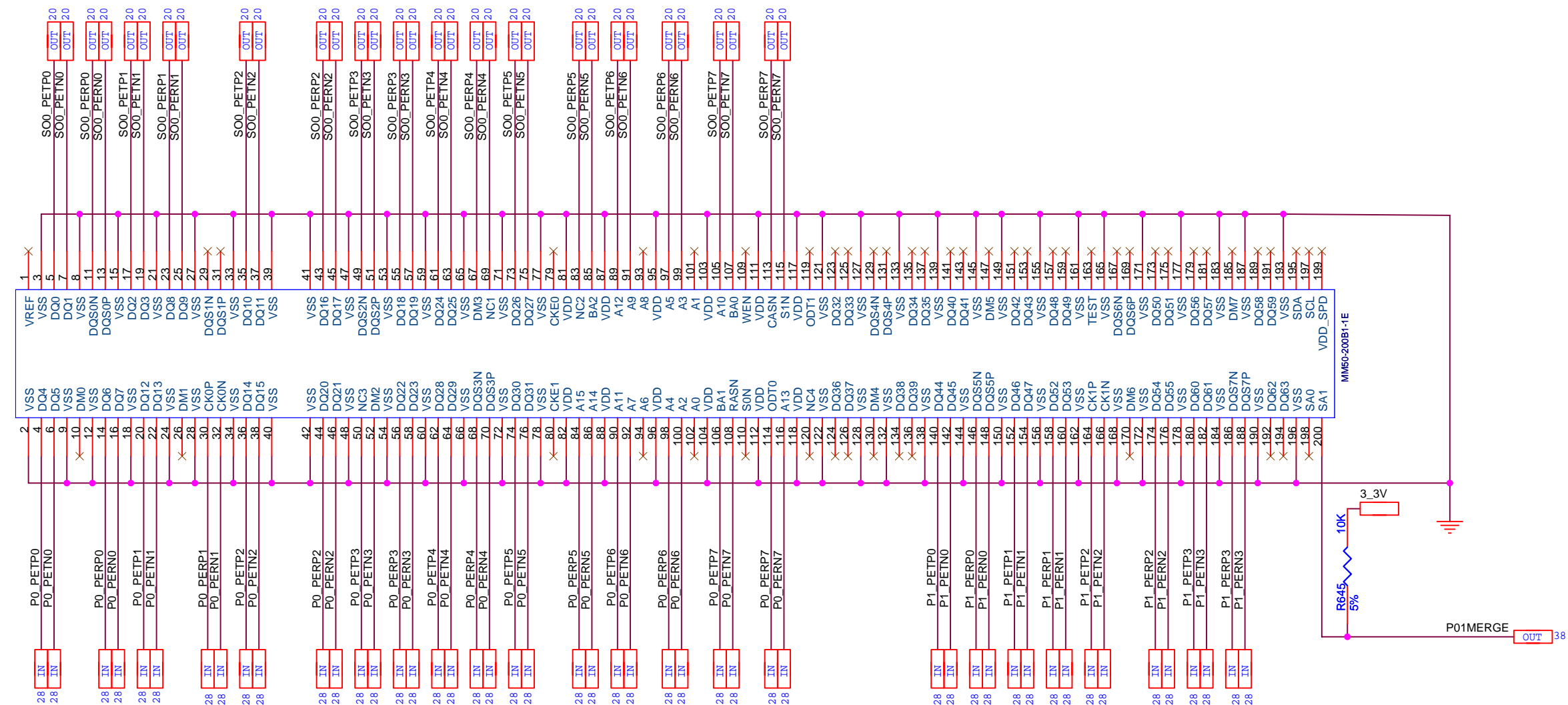
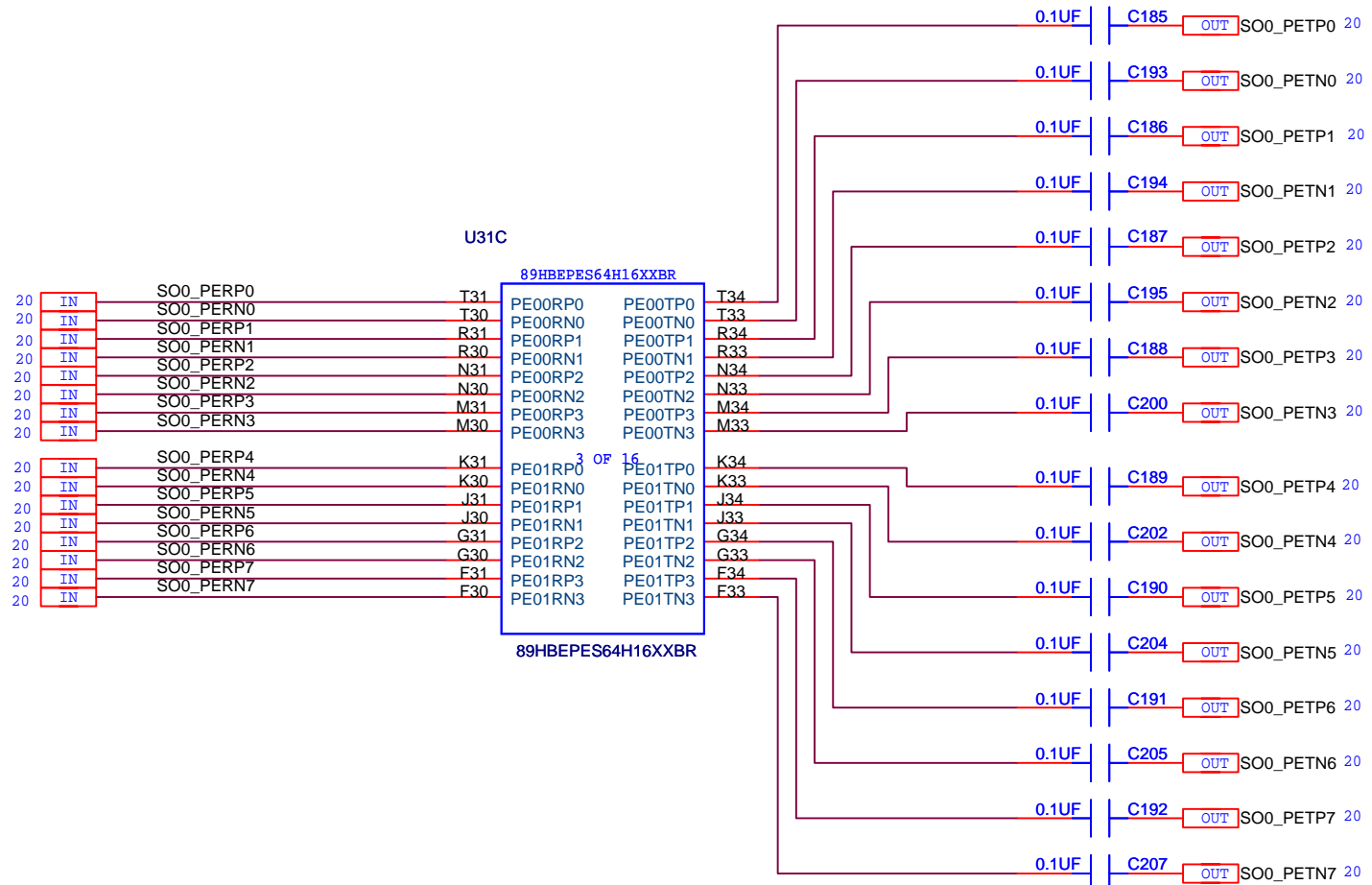


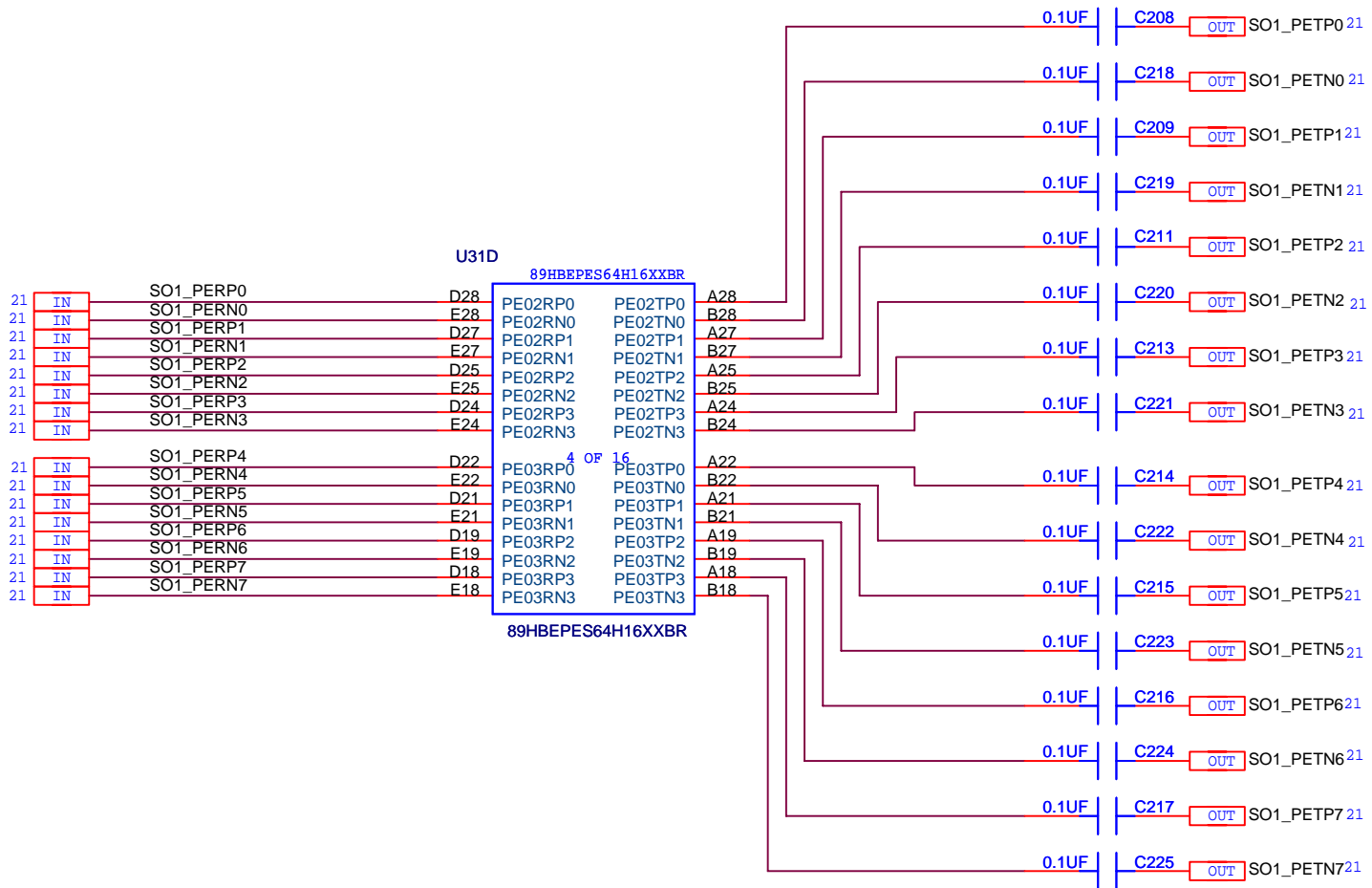
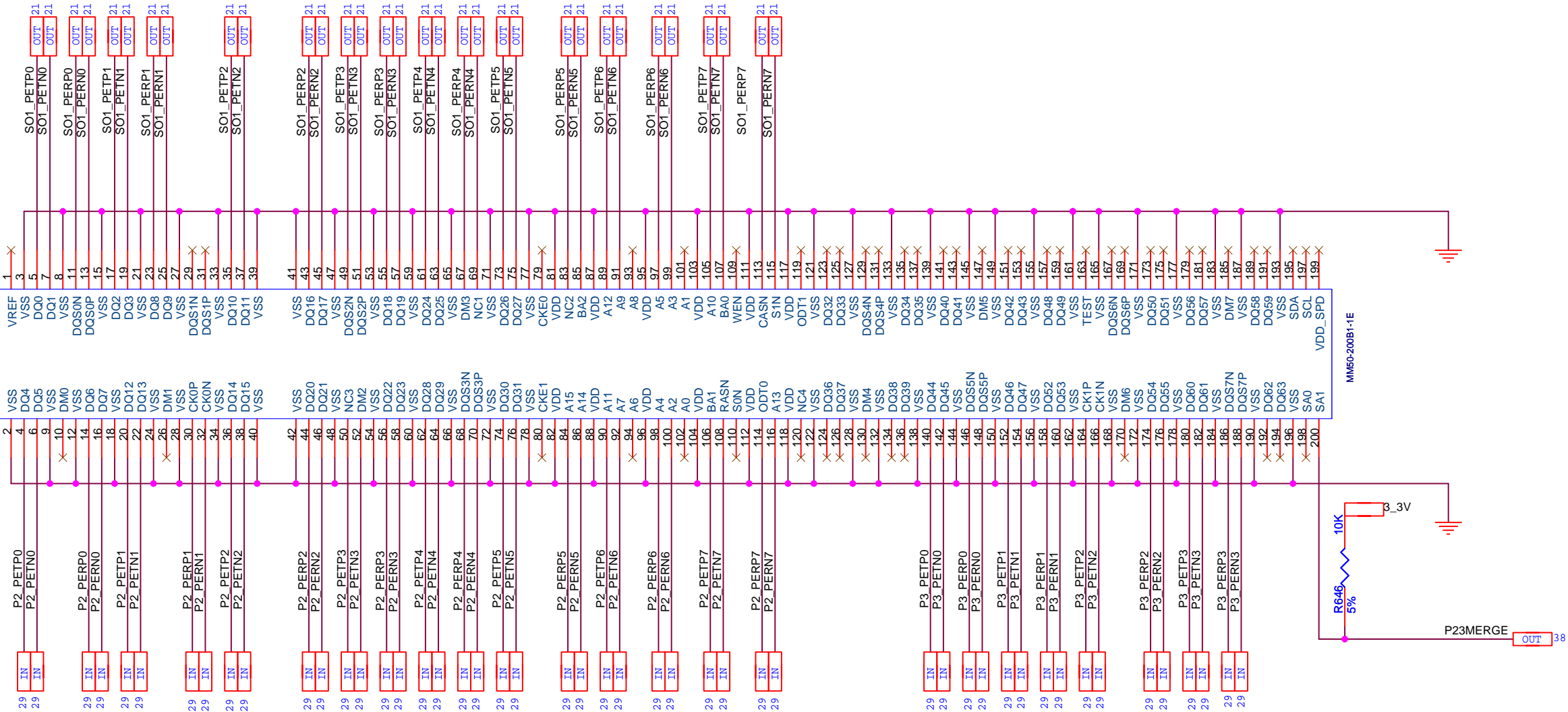
CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007


TITLE 89EBPES64H16
HOT PLUG CONTROL PORT 14/15

SIZE B	DRAWING NO. STGSCH-00100	FAB P/N 18-624-000	REV. 1.0
AUTHOR J. CARRILLO		CHECKED BY ASHOK	DRAWN BY UMAIR/ALI
Saturday, July 21, 2007		SHEET 18 OF 38	







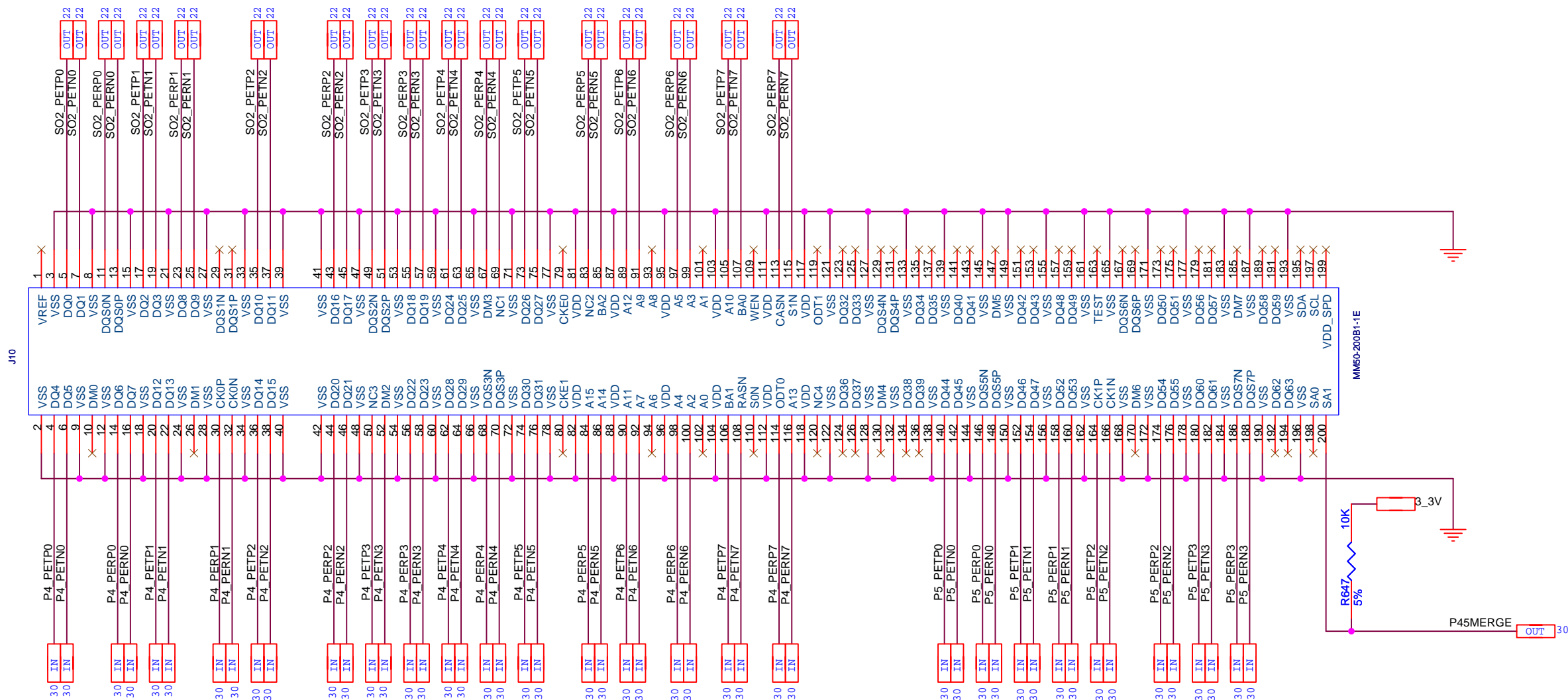
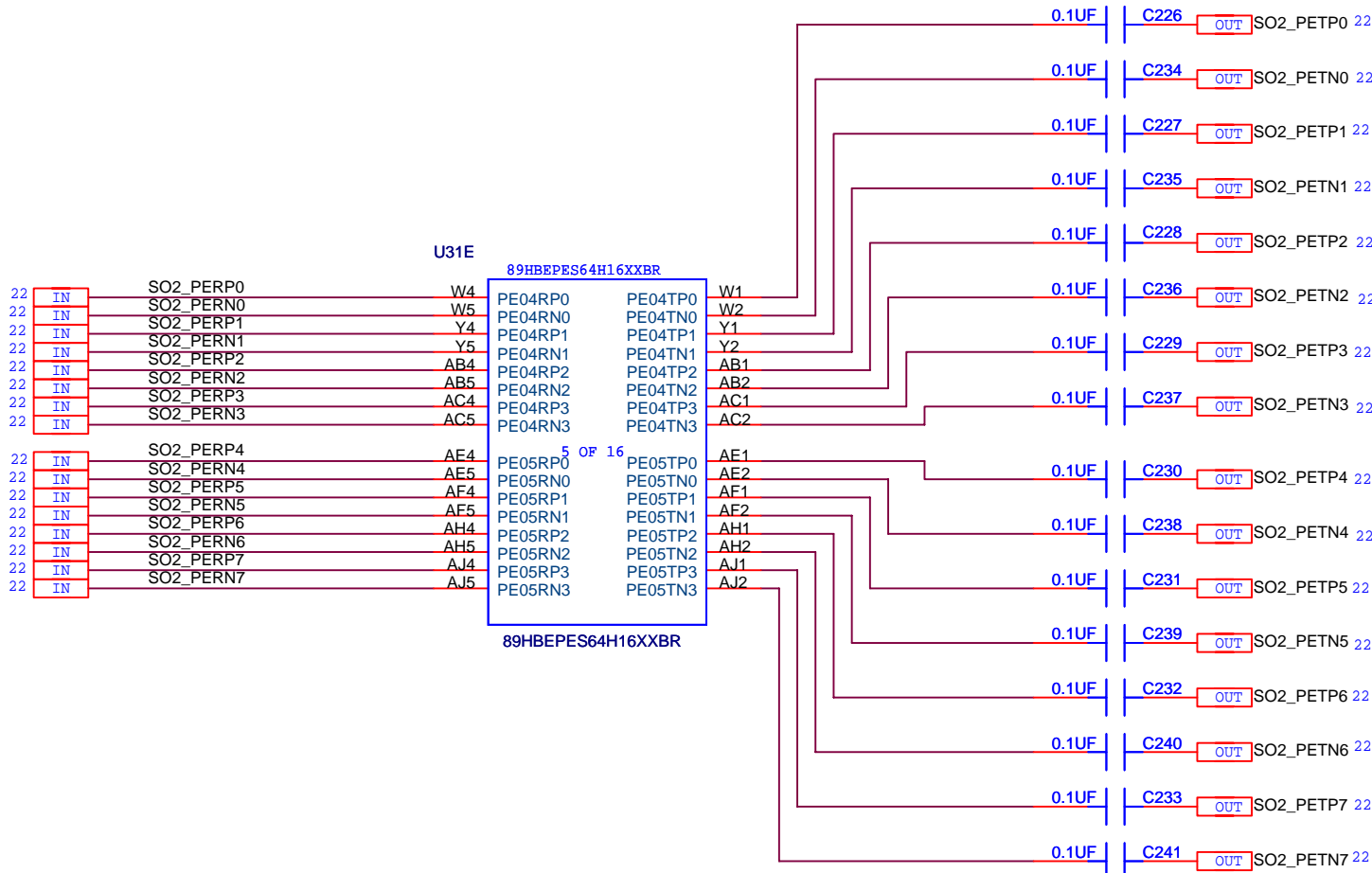



CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

TITLE 89EBPES64H16

PM PORT 2/3

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00100	18-624-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/ALI
Saturday, July 21, 2007		SHEET 21 OF 38	

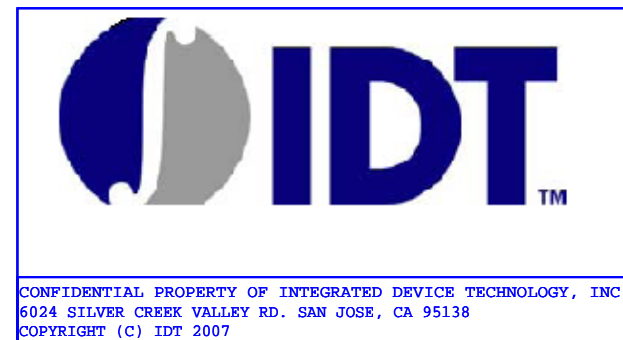
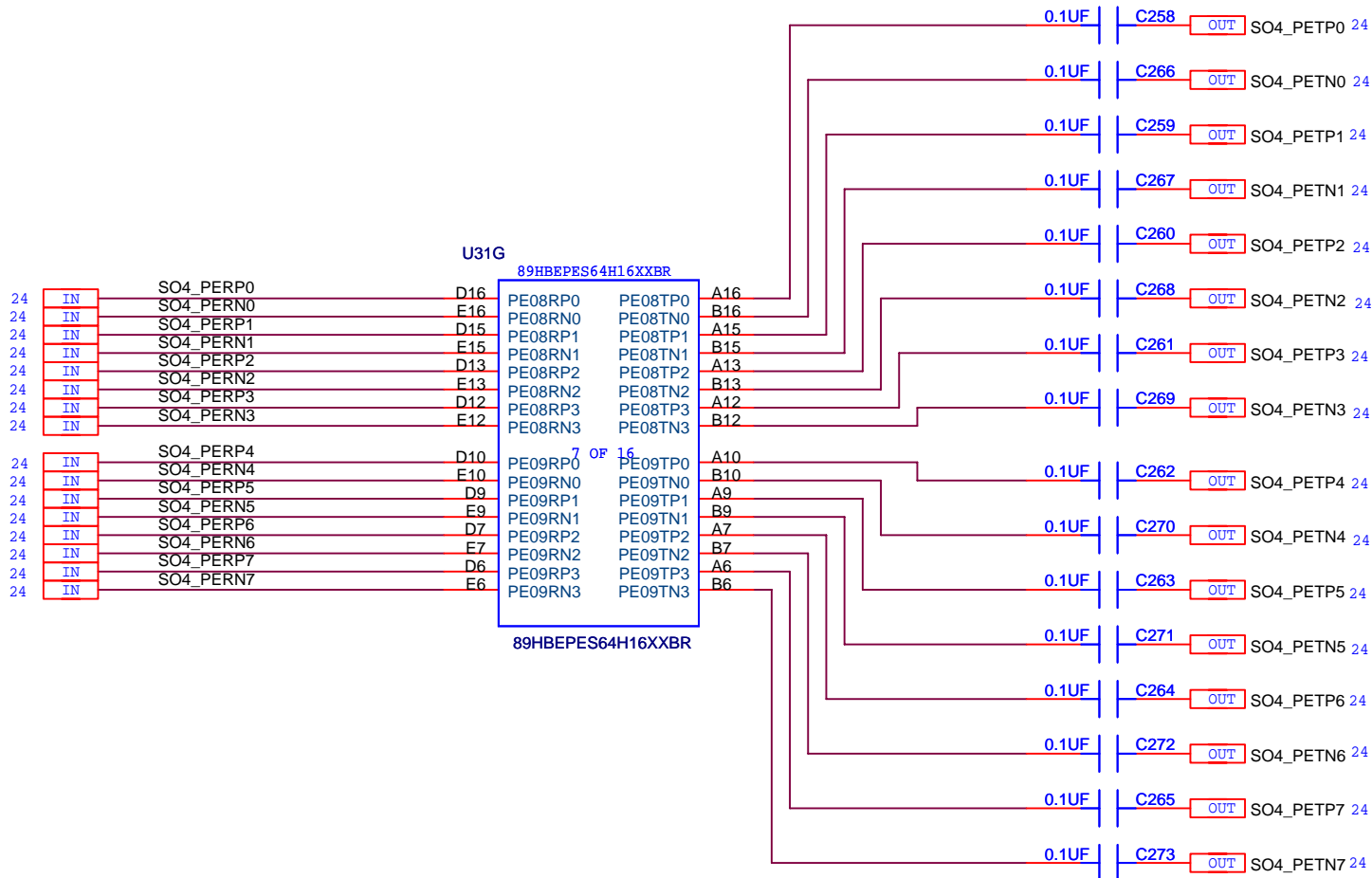




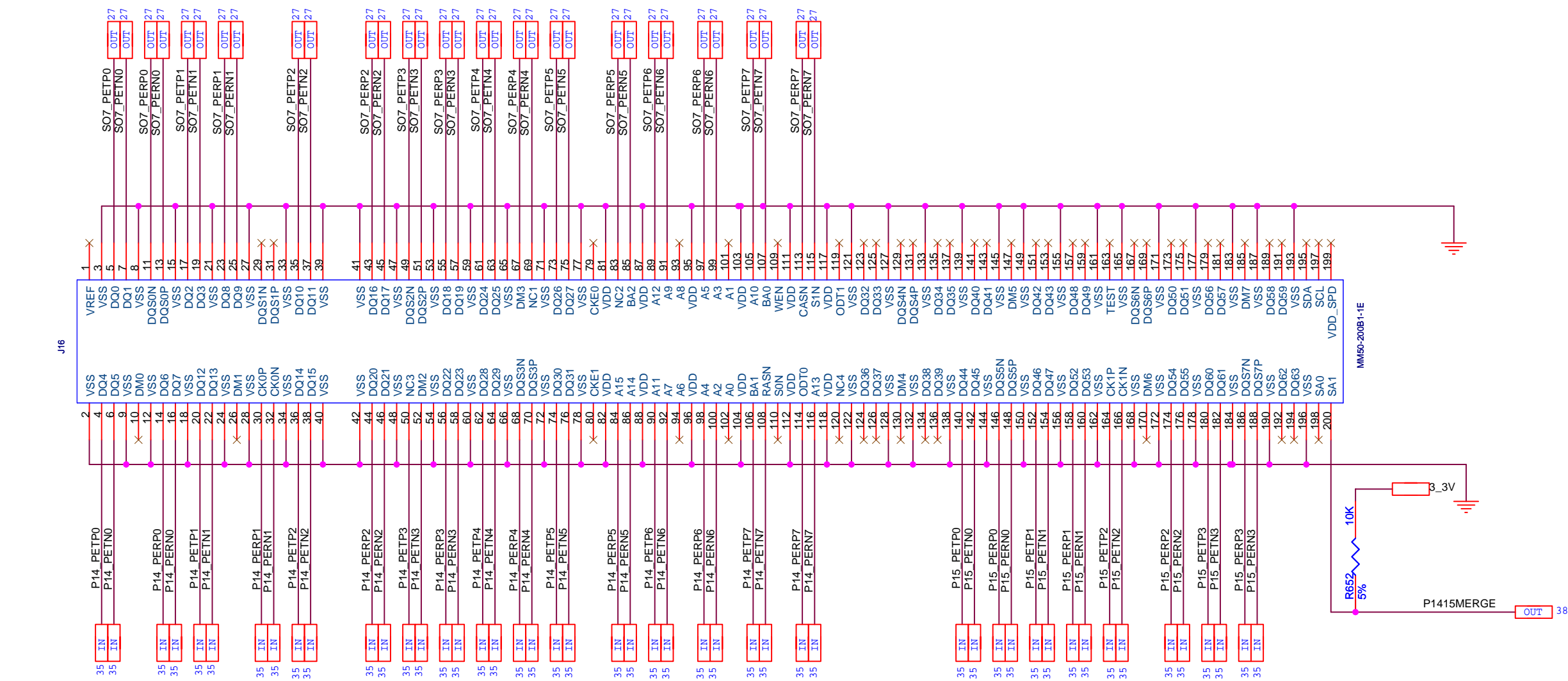
CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

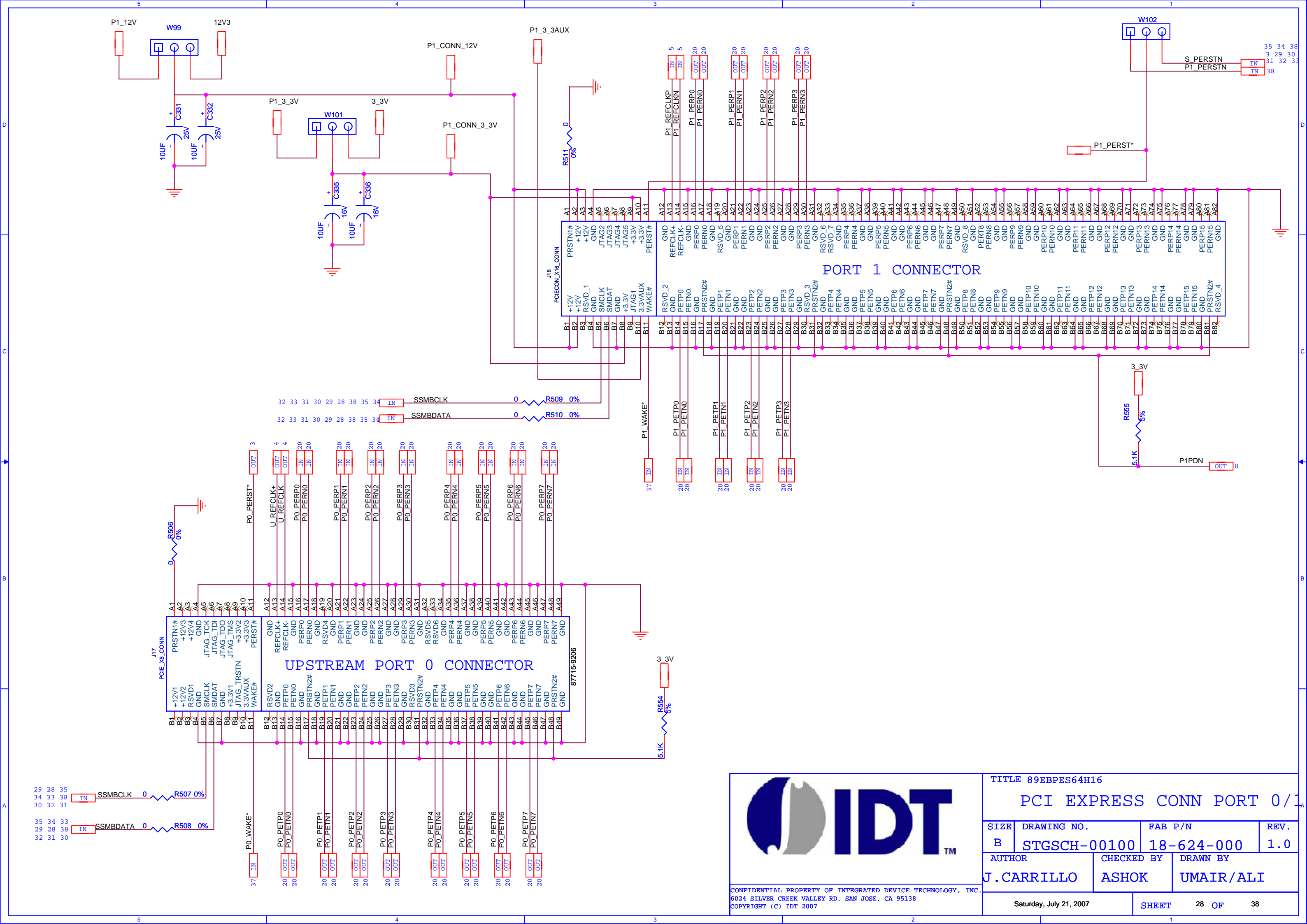
TITLE 89EBPES64H16
PM PORT 4/5


SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00100	18-624-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/ALI
Saturday, July 21, 2007			SHEET 22 OF 38



TITLE 89EBPES64H16			
PM PORT 8/9			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00100	18-624-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UМАIR/ALI
Saturday, July 21, 2007		SHEET	24 OF 38

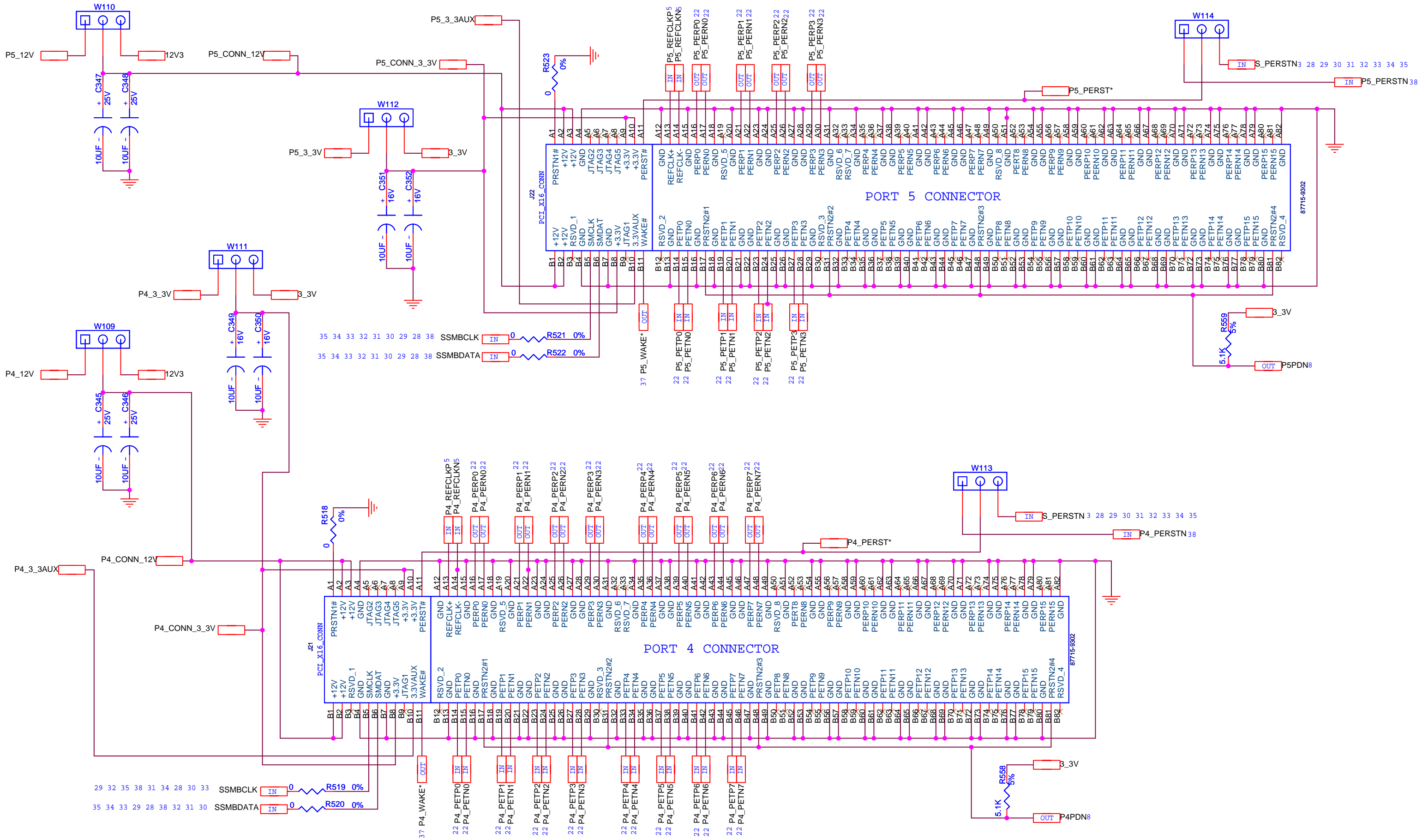







CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

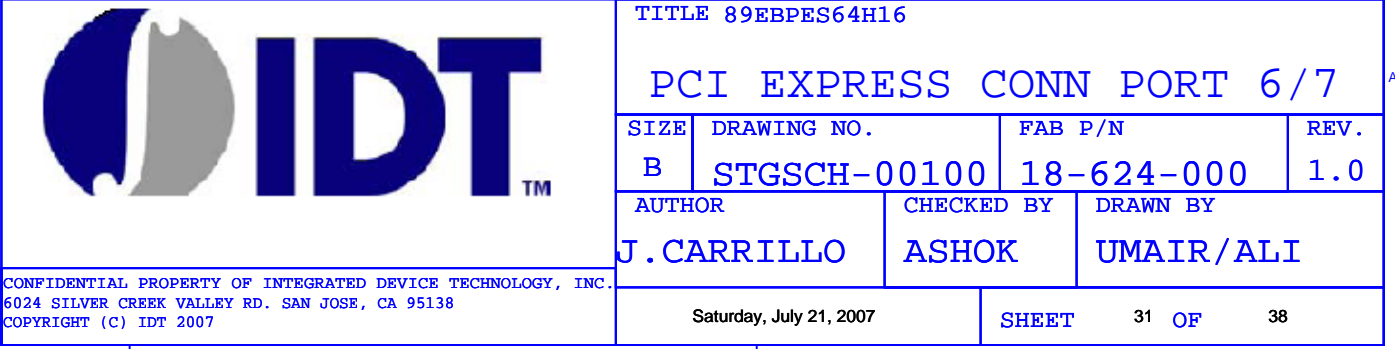
TITLE 89EBPES64H16			
PCI EXPRESS CONN PORT 0/1			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00100	18-624-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J.CARRILLO		ASHOK	UМАIR/ALI
Saturday, July 21, 2007		SHEET	28 OF 38

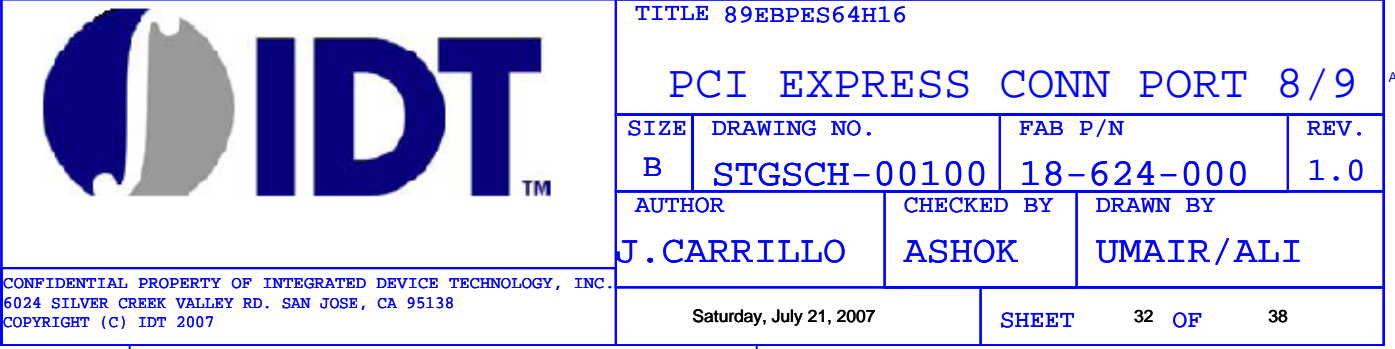


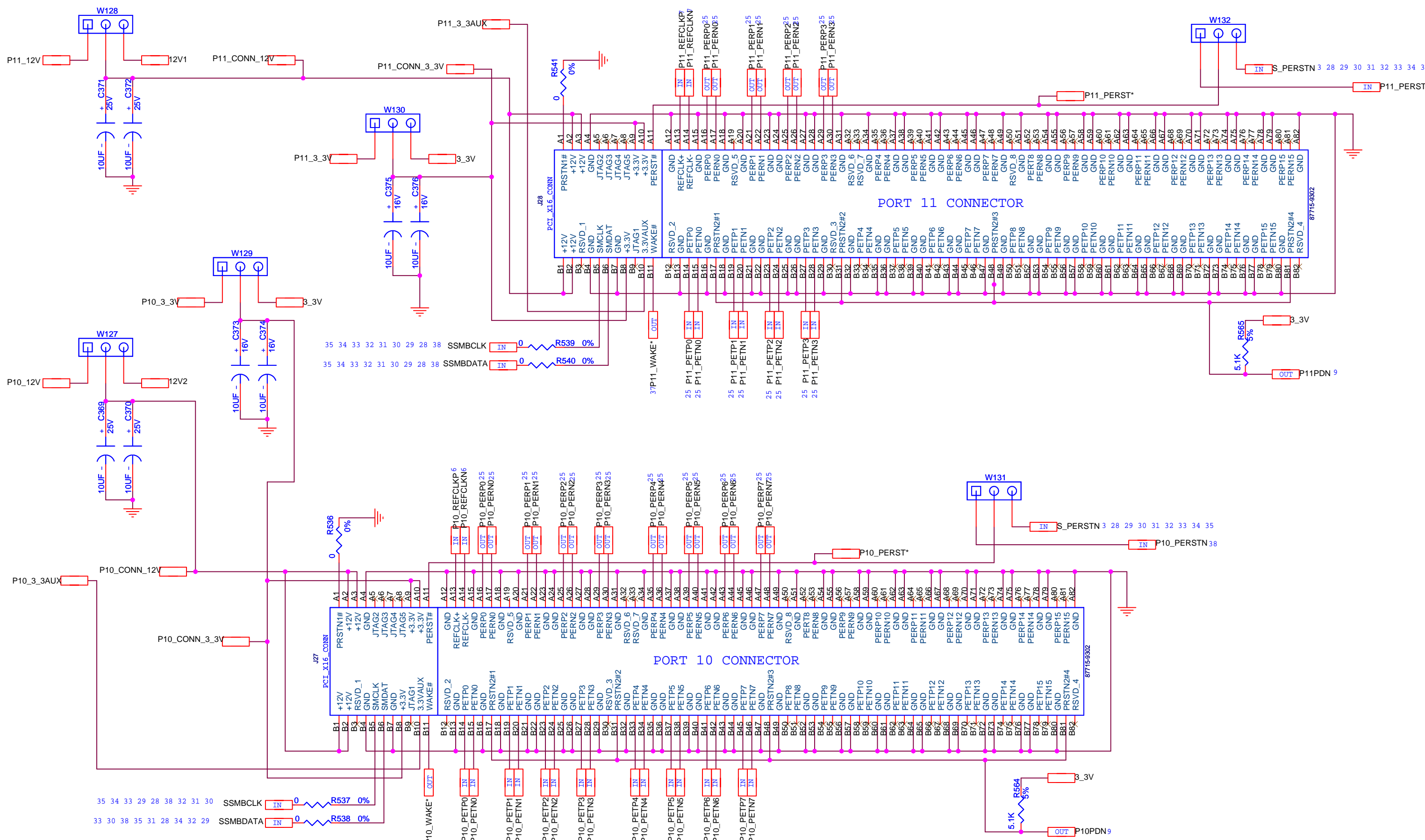



CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

TITLE 89EBPES64H16			
PCI EXPRESS CONN PORT 4/5			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00100	18-624-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UМАIR/ALI
Saturday, July 21, 2007		SHEET	30 OF 38







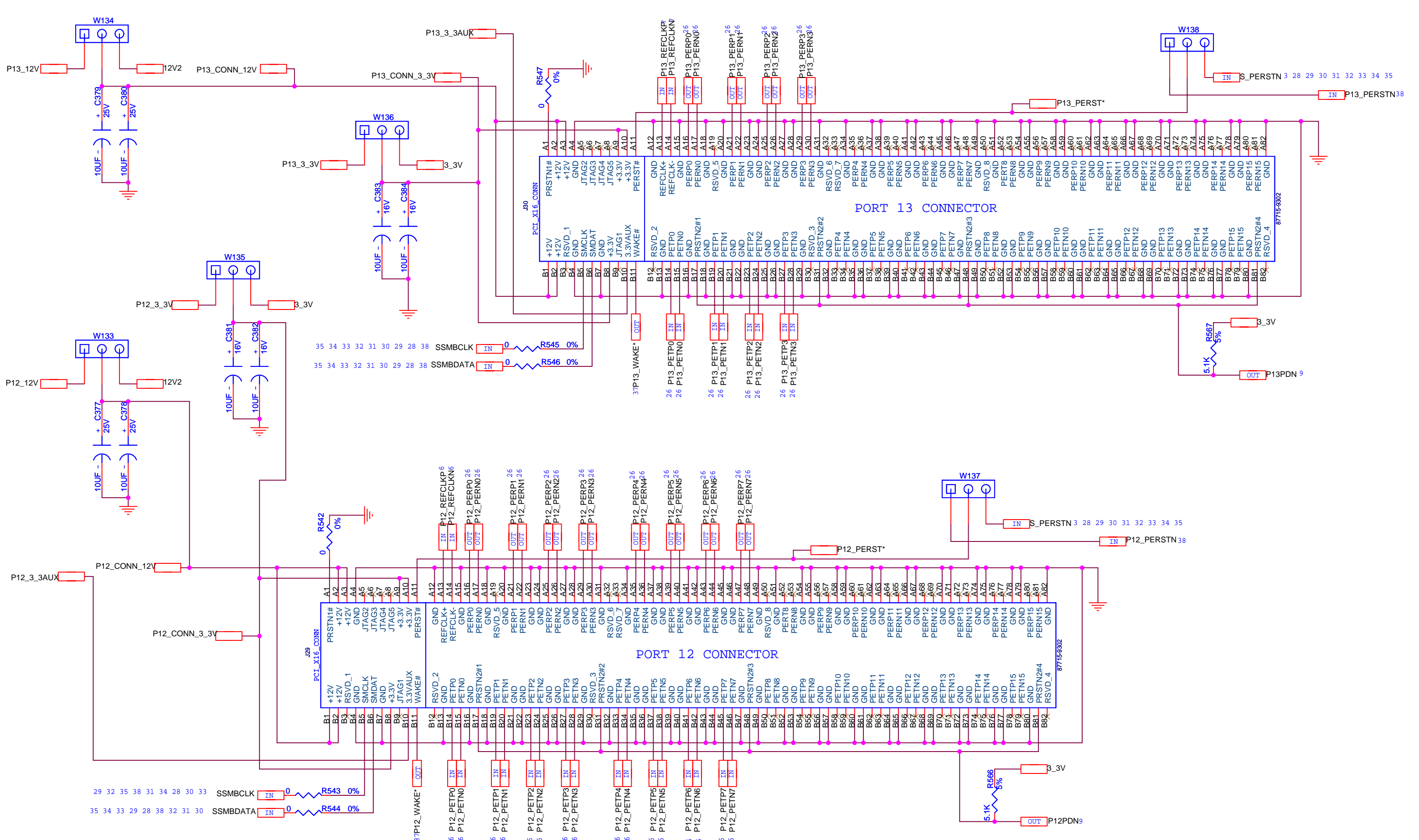



CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

TITLE 89EBPES64H16

PCI EXPRESS CONN PORT 10/11

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00100	18-624-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/ALI
Saturday, July 21, 2007		SHEET	33 OF 38



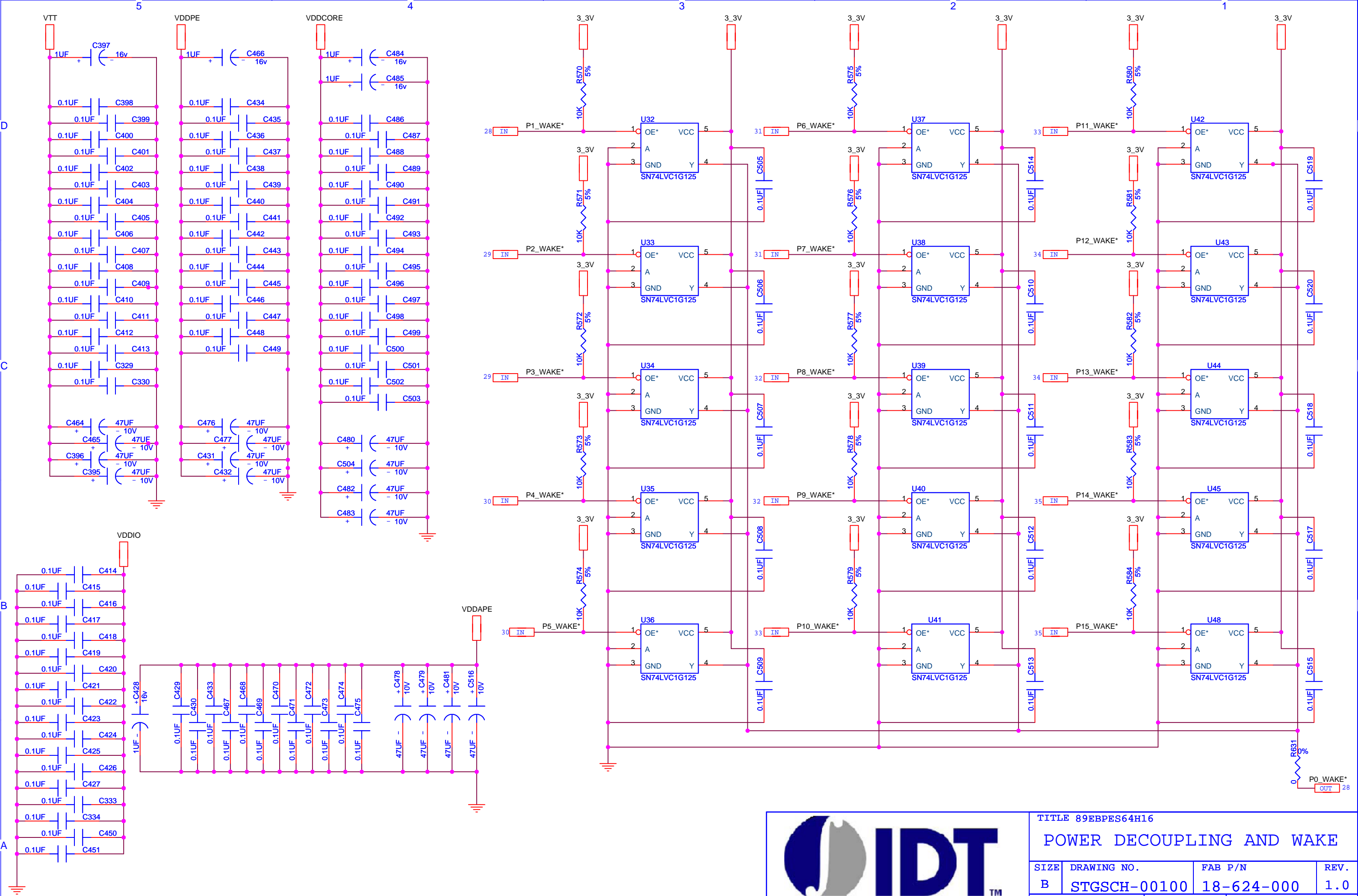



CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 95138
COPYRIGHT (C) IDT 2007

TITLE 89EBPES64H16

PCI EXPRESS CONN PORT 12/13

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00100	18-624-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UМАIR/ALI
Saturday, July 21, 2007		SHEET	34 OF 38





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

TITLE 89EBPES64H16			
POWER DECOUPLING AND WAKE			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00100	18-624-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J.CARRILLO		ASHOK	UMAIR/ALI
Saturday, July 21, 2007		SHEET	37 OF 38

