


REVISIONS				
DCN	REV	DESCRIPTION	DATE	CHANGE BY
STGC-0082R01	1.0	INITIAL RELEASE	2006-08-01	J.CARRILLO

SHEET	DESCRIPTION
1	TABLE OF CONTENTS
2	BLOCK DIAGRAM
3	POWER SUPPLY AND RESET
4	CLOCKS
5	SMBUS, JTAG, I/O EXPANDER
6	HOT PLUG CONTROL PORT B/C
7	HOT PLUG CONTROL PORT D/E
8	HOT PLUG CONTROL PORT F
9	PORT B CONN AND 16T7 PORTS
10	PORT C CONNECTOR
11	PORT D CONNECTOR
12	PORT E CONNECTOR
13	PORT F CONNECTOR
14	PORT A UPSTREAM CONN 16T7
15	PES16T7 - POWER
16	PES16T7 - SMBUS REFCLKS
17	LINK STATUS WAKE

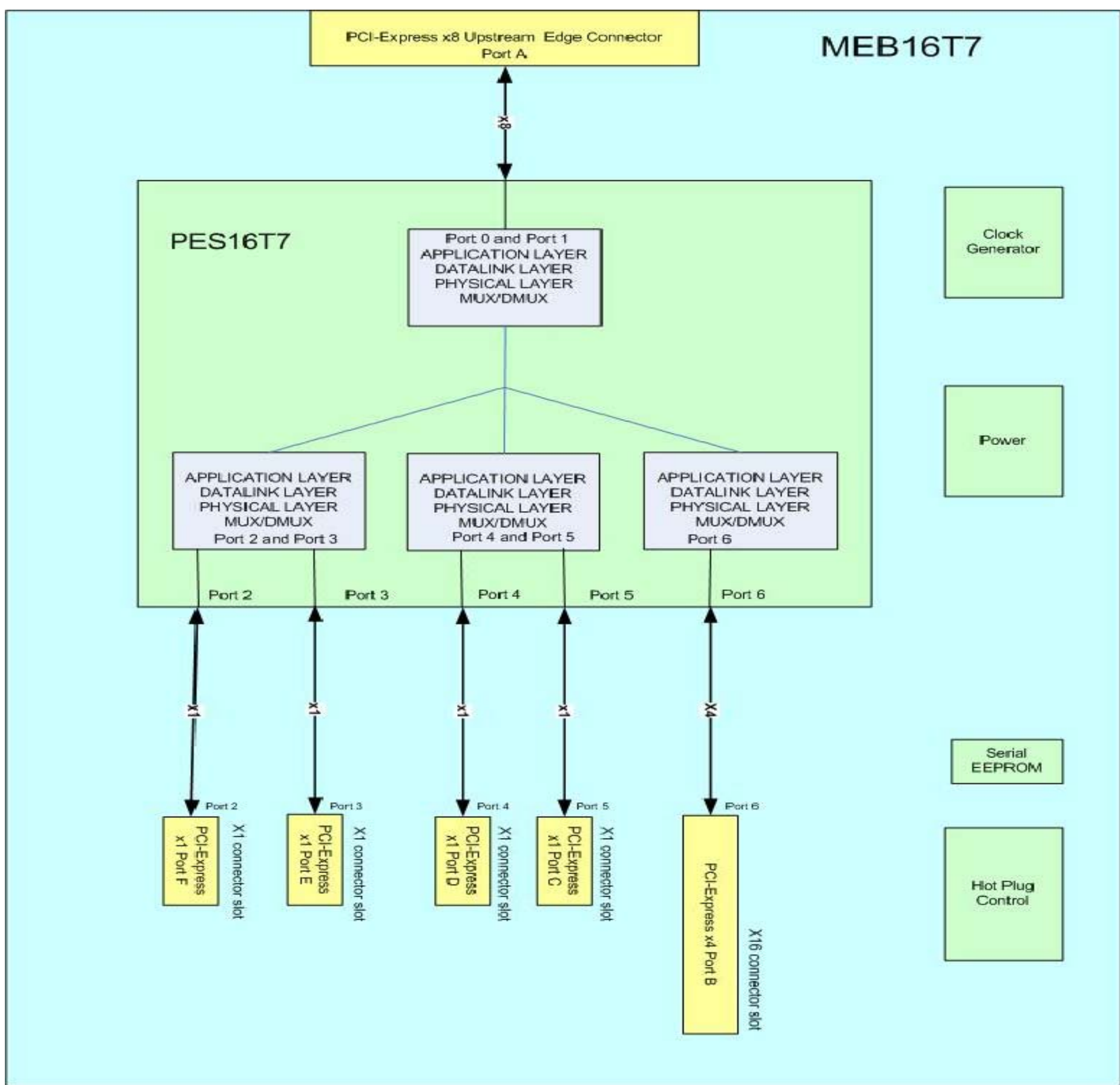


TITLE 89EBPES16T7


89HPES16T7 EVALUATION BOARD

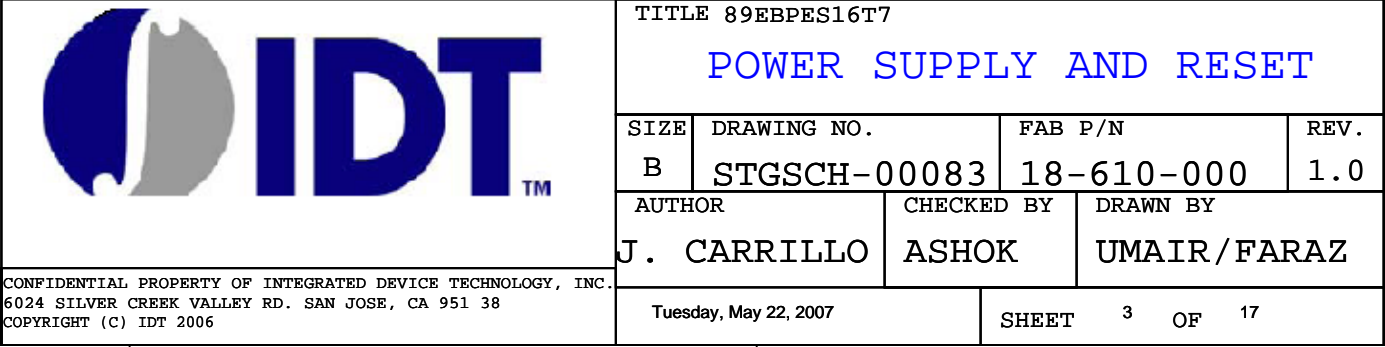
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00083	18-610-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/FARAZ
Tuesday, May 22, 2007			SHEET 1 OF 17

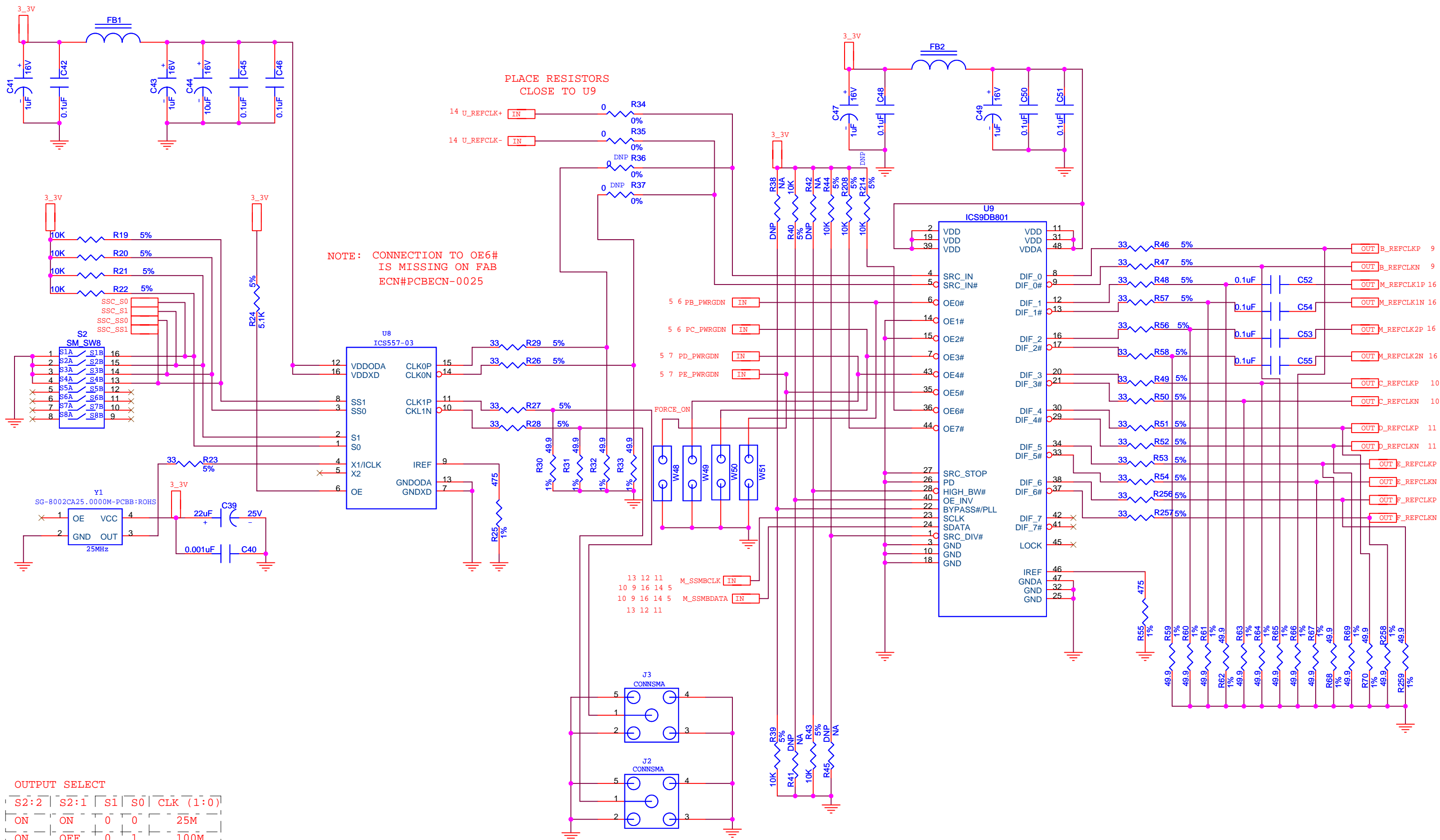
CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 951 38
COPYRIGHT (C) IDT 2006



BLOCK DIAGRAM

	TITLE 89EBPES16T7			
	BLOCK DIAGRAM			
	SIZE	DRAWING NO.	FAB P/N	REV.
	B	STGSCH-00083	18-610-000	1.0
	AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/FARAZ	
CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC. 6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 951 38 COPYRIGHT (C) IDT 2006				
Tuesday, May 22, 2007			SHEET 2 OF 17	





NOTE: CONNECTION TO OE6#
IS MISSING ON FAB
ECN#PCBECN-0025

PLACE RESISTORS
CLOSE TO U9

OUTPUT SELECT

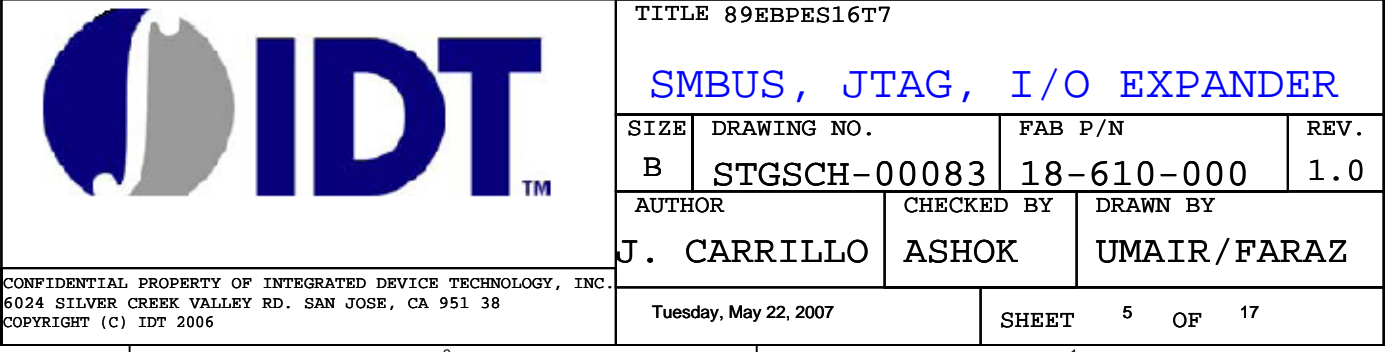
S2:2	S2:1	S1	S0	CLK (1:0)
ON	ON	0	0	25M
ON	OFF	0	1	100M
OFF	ON	1	0	125M
OFF	OFF	1	1	200M

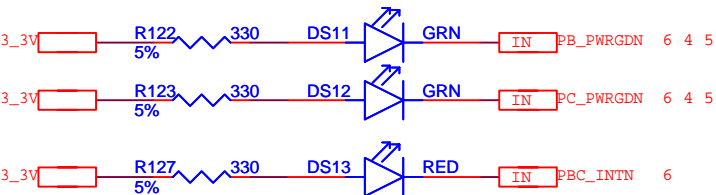
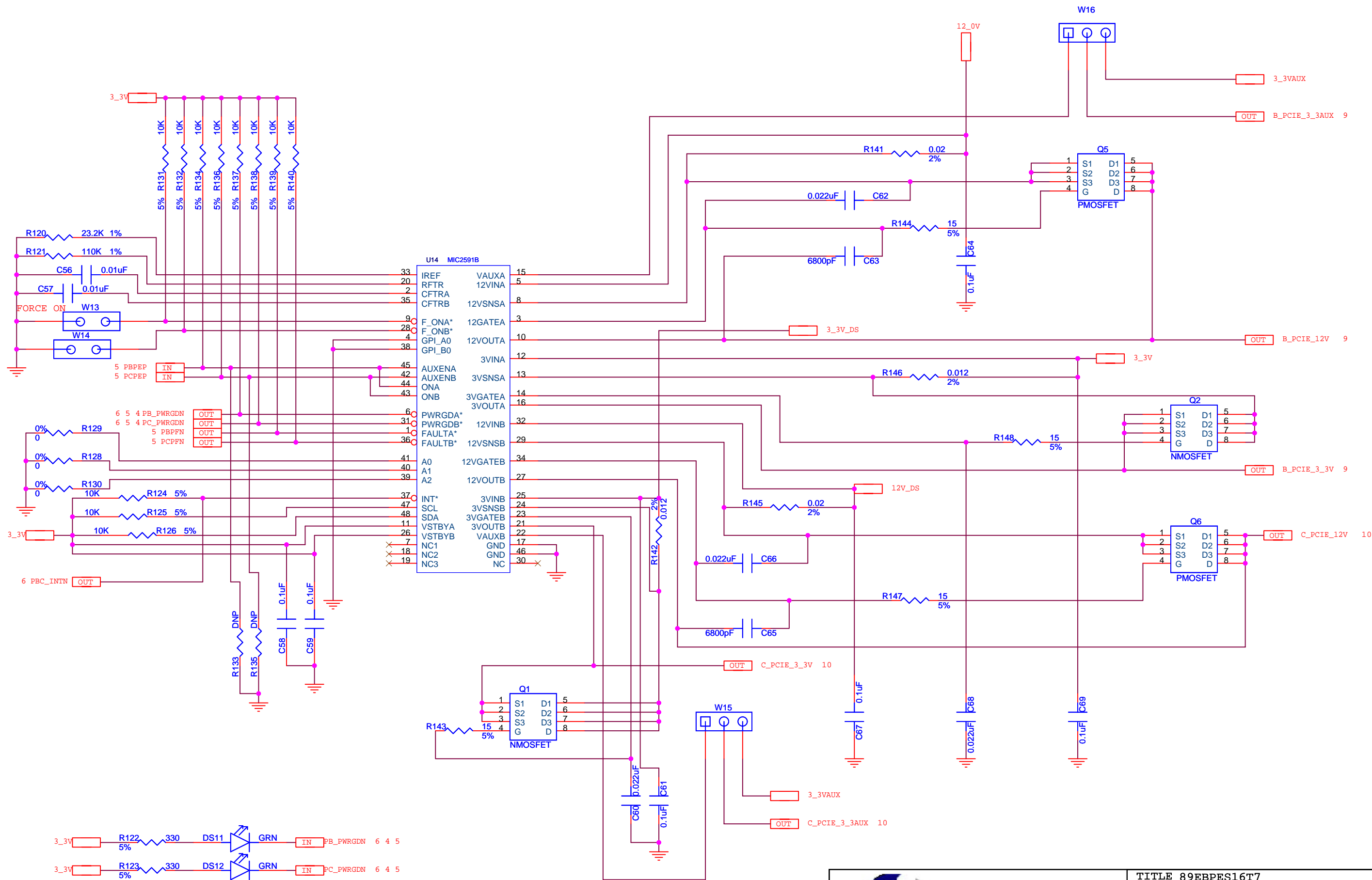
SPREAD SELECTION


S2:4	S2:3	SS1	SS0	SPREAD%
ON	ON	0	0	CENTER +-0.25
ON	OFF	0	1	DOWN -0.5
OFF	ON	1	0	DOWN -0.75
OFF	OFF	1	1	NO SPREAD

CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 951 38
COPYRIGHT (C) IDT 2006

TITLE 89EBPES16T7			
CLOCKS			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00083	18-610-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/FARAZ
Tuesday, May 22, 2007		SHEET	4 OF 17





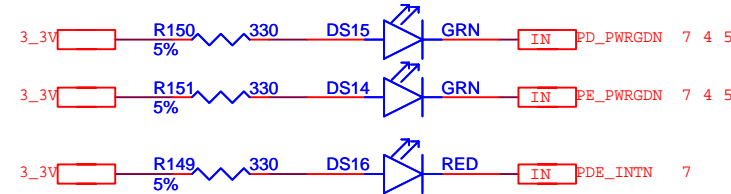
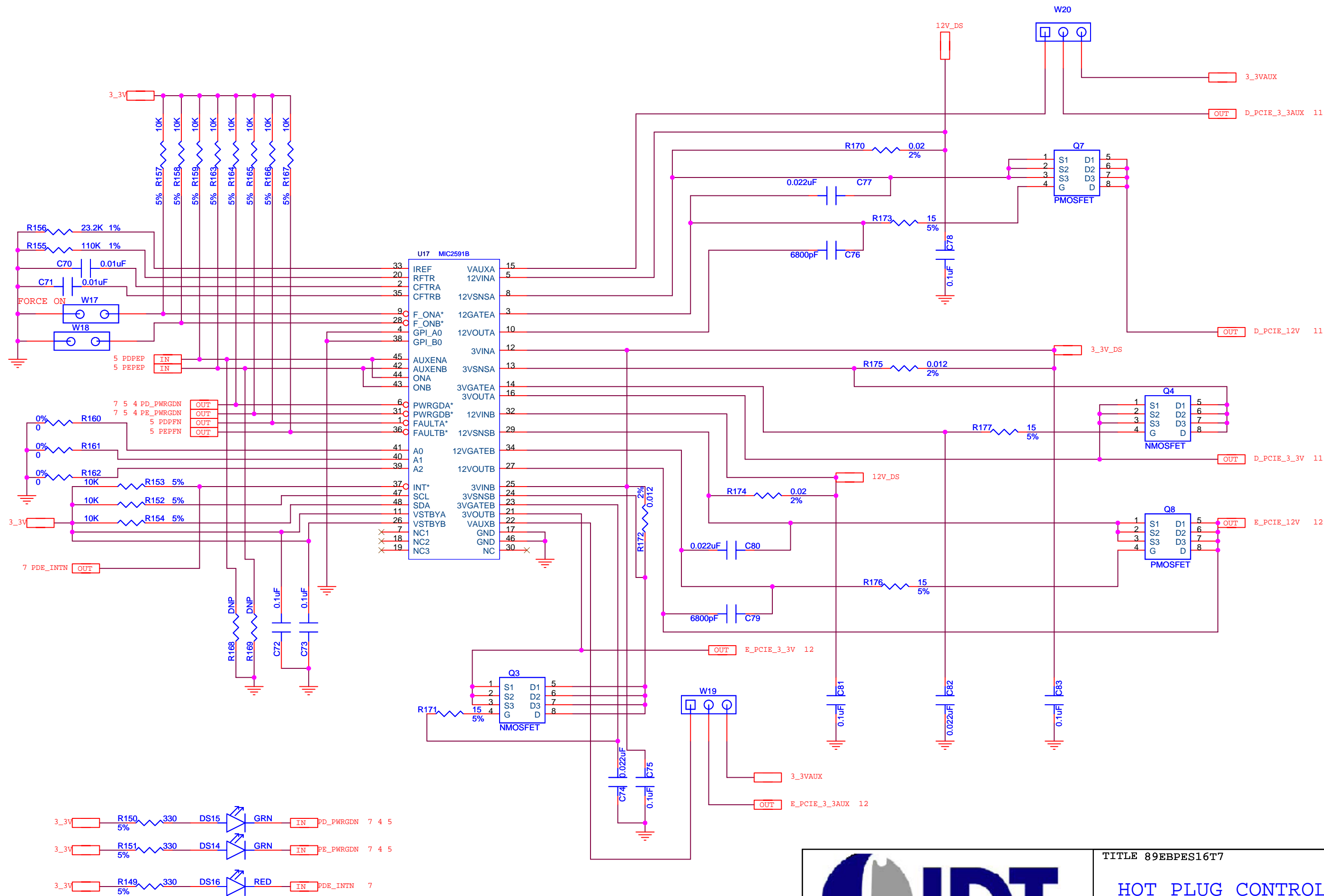



TITLE 89EBPES16T7

HOT PLUG CONTROL PORT B/C

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00083	18-610-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/FARAZ
Tuesday, May 22, 2007		SHEET 6 OF 17	

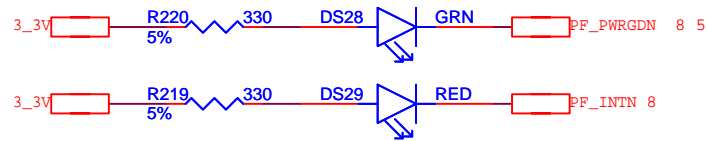
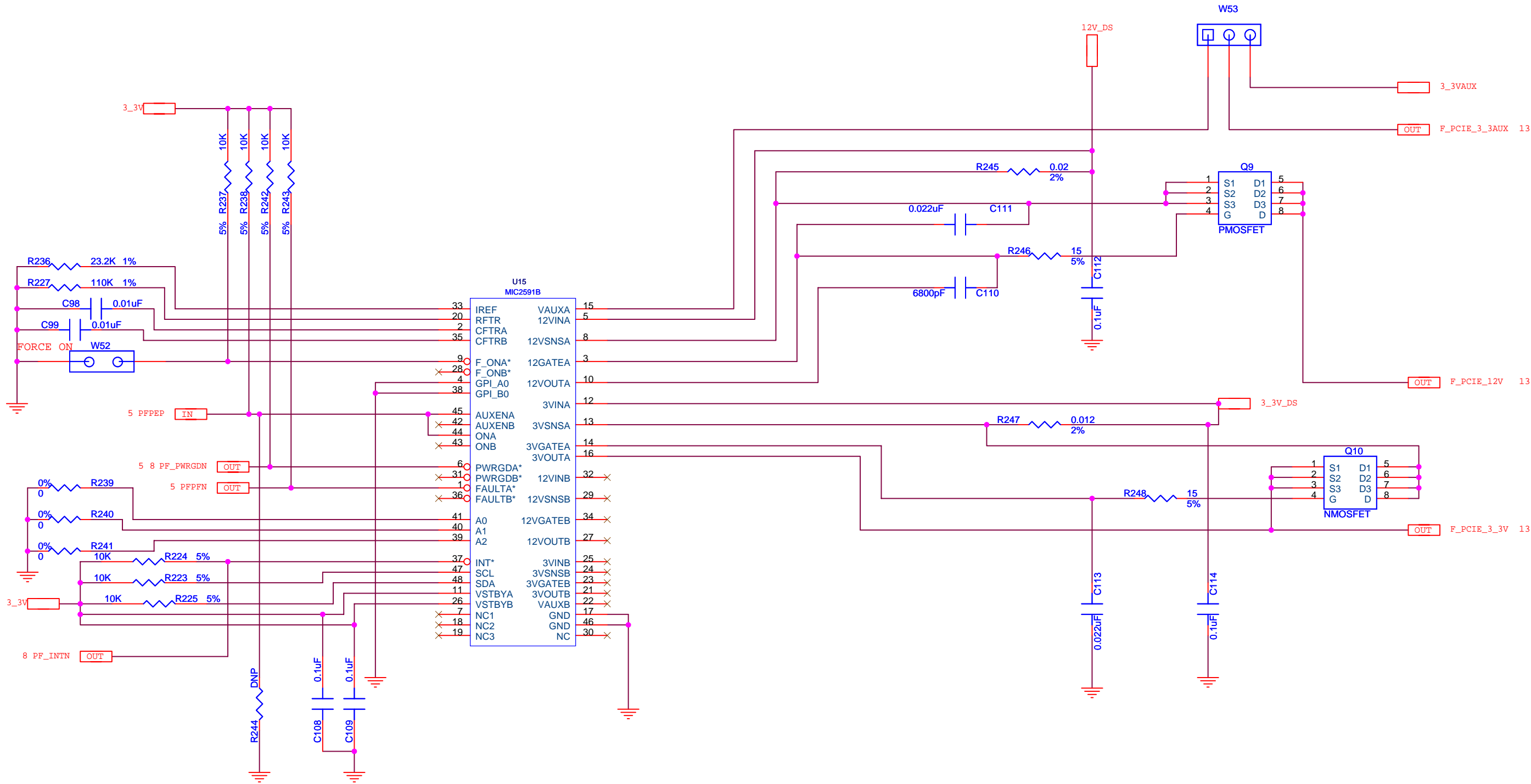
CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 951 38
COPYRIGHT (C) IDT 2006




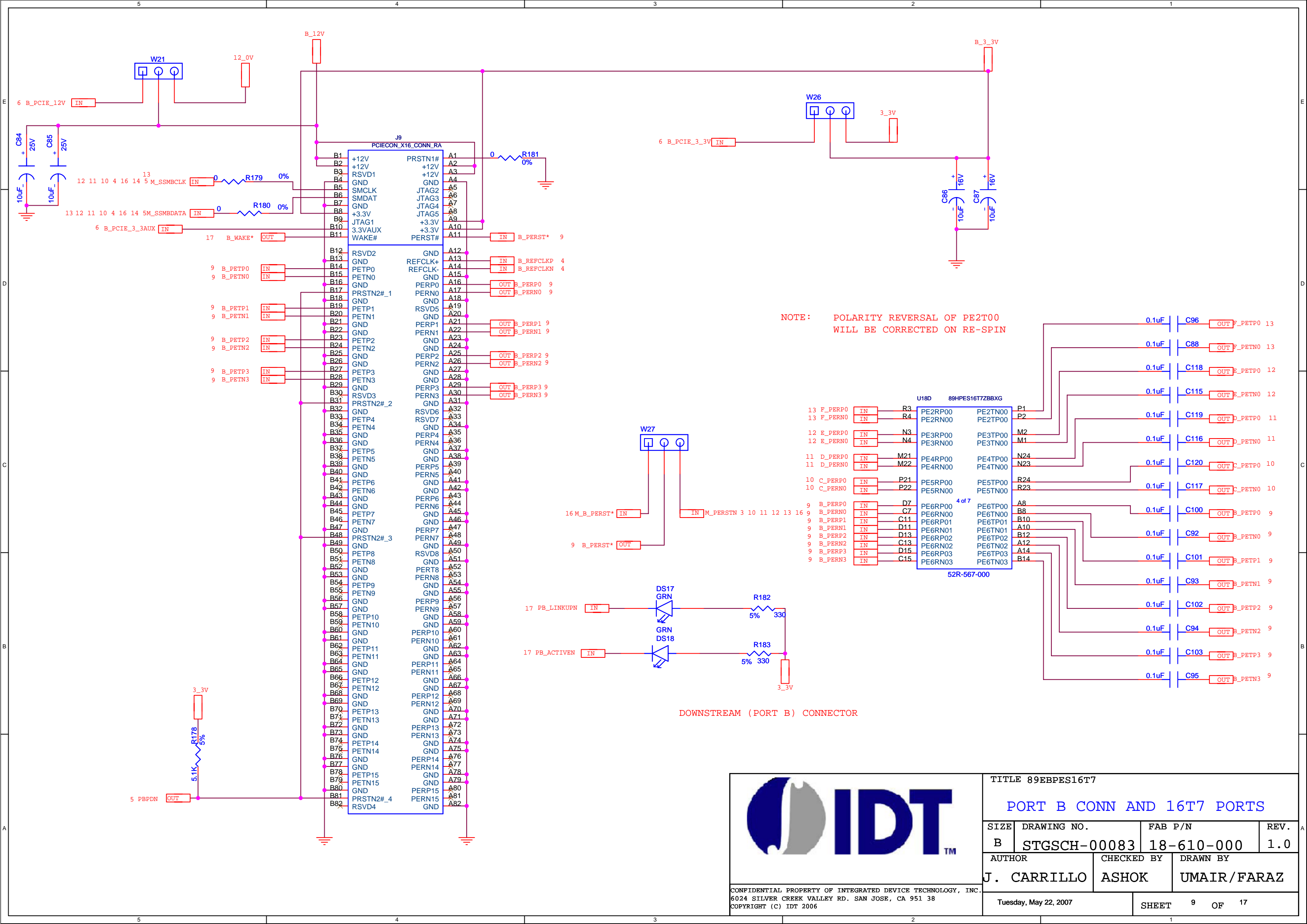


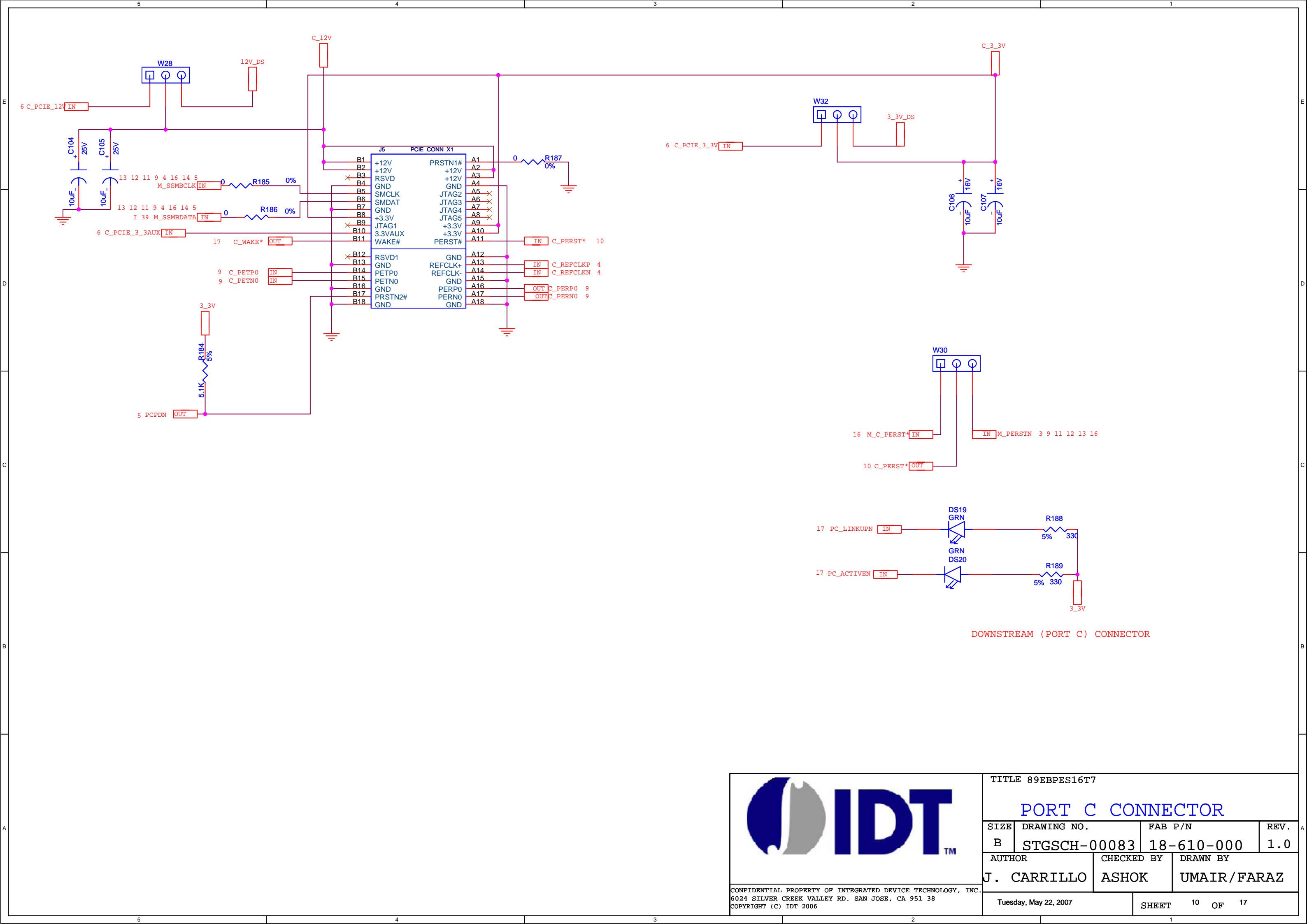
CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 951 38
COPYRIGHT (C) IDT 2006

TITLE 89EBPES16T7			
HOT PLUG CONTROL PORT D/E			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00083	18-610-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/FARAZ
Tuesday, May 22, 2007		SHEET 7 OF 17	



	TITLE 89EBPES16T7			
	HOT PLUG CONTROL PORT F			
	SIZE	DRAWING NO.	FAB P/N	REV.
	B	STGSCH-00083	18-610-000	1.0
	AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/FARAZ	
CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC. 6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 951 38 COPYRIGHT (C) IDT 2006				
Tuesday, May 22, 2007			SHEET 8 OF 17	





CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 951 38
COPYRIGHT (C) IDT 2006

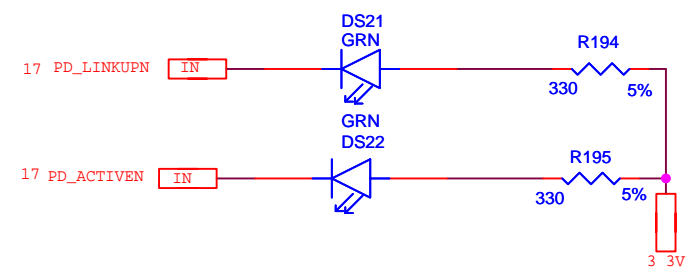
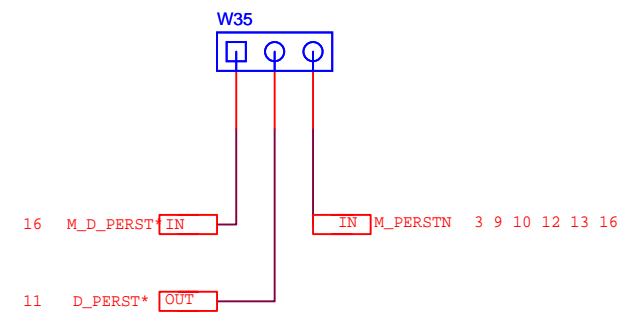
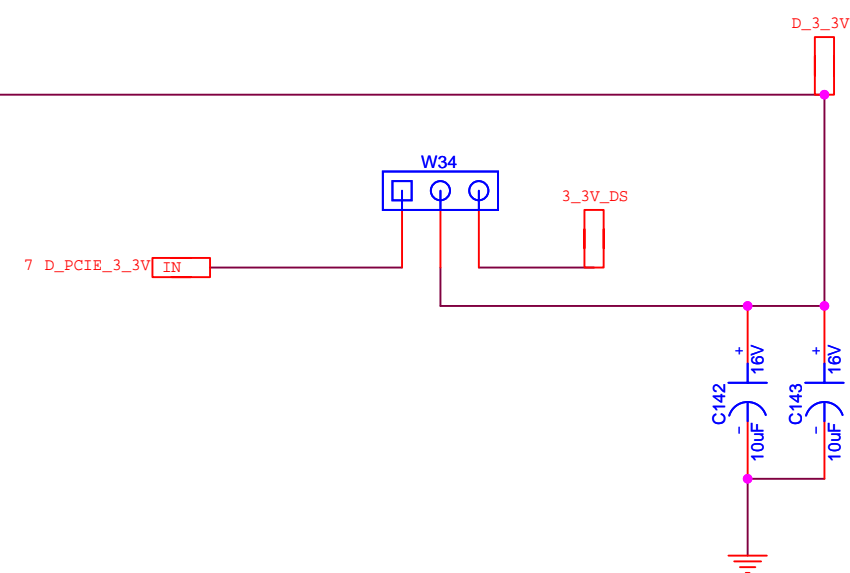
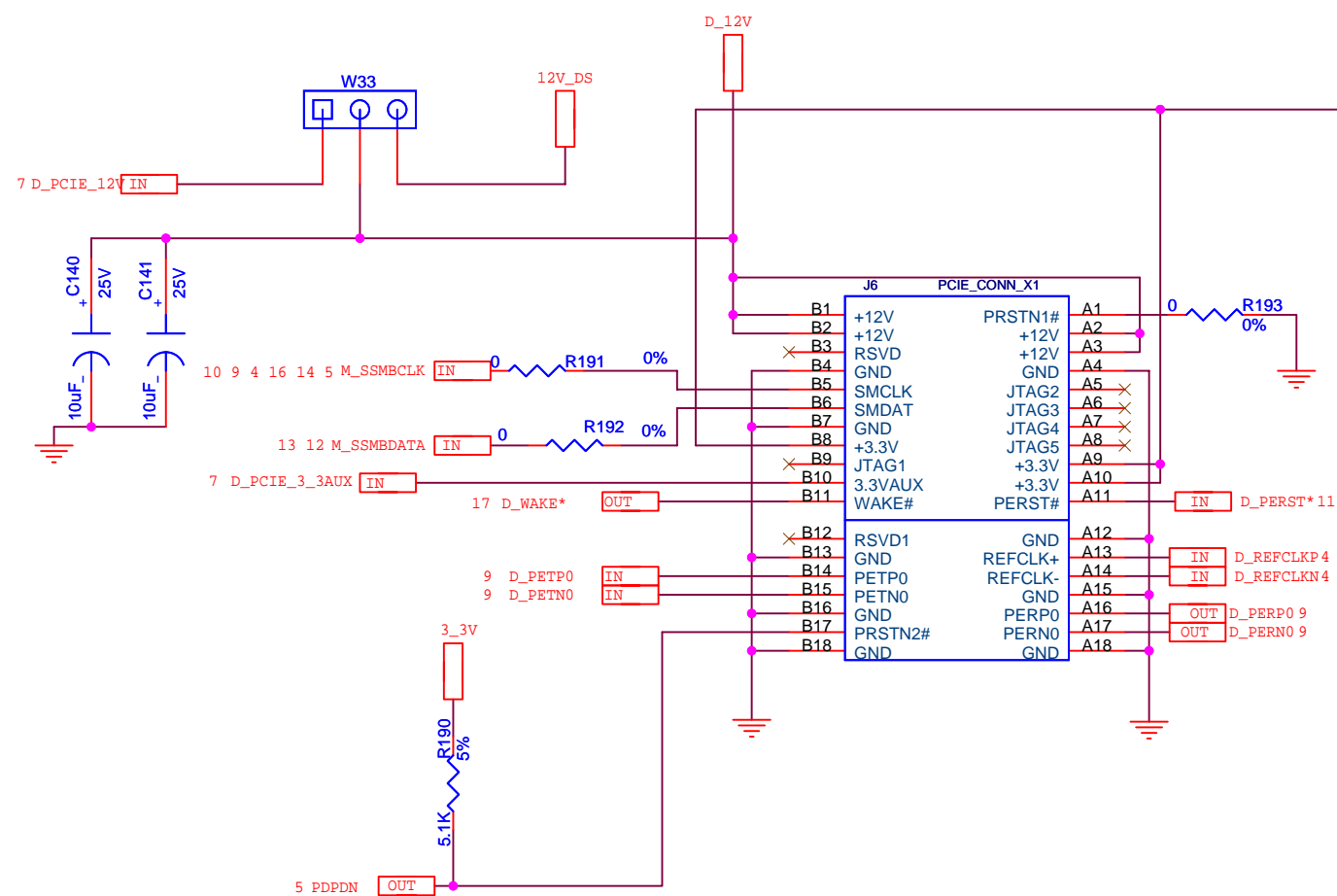
TITLE 89EBPES16T7

PORT C CONNECTOR

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00083	18-610-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/FARAZ

Tuesday, May 22, 2007

SHEET 10 OF 17



DOWNSTREAM (PORT D) CONNECTOR



CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 951 38
COPYRIGHT (C) IDT 2006

TITLE 89EBPES16T7

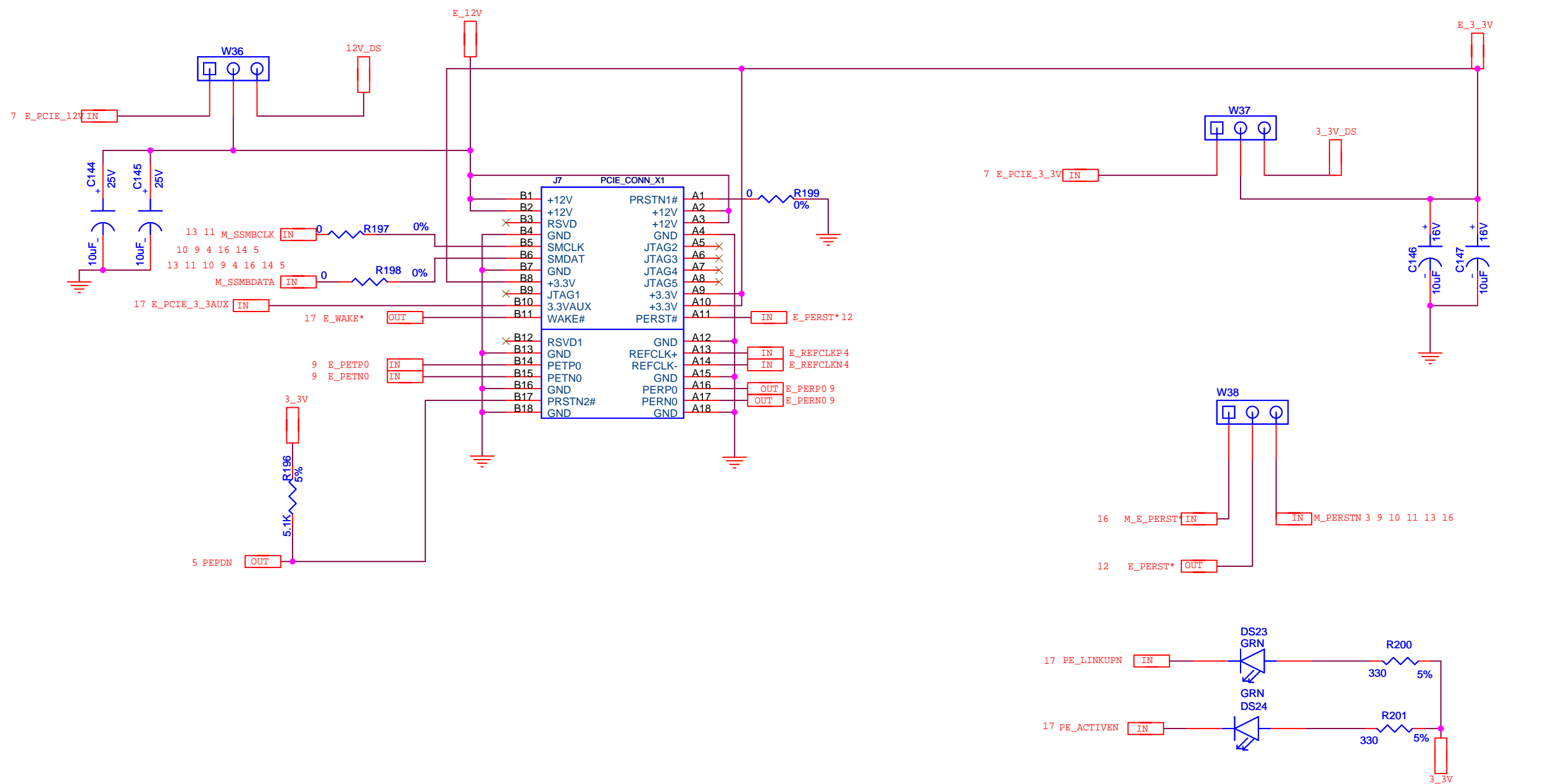
PORT D CONNECTOR

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00083	18-610-000	1.0


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

Tuesday, May 22, 2007

SHEET 11 OF 17

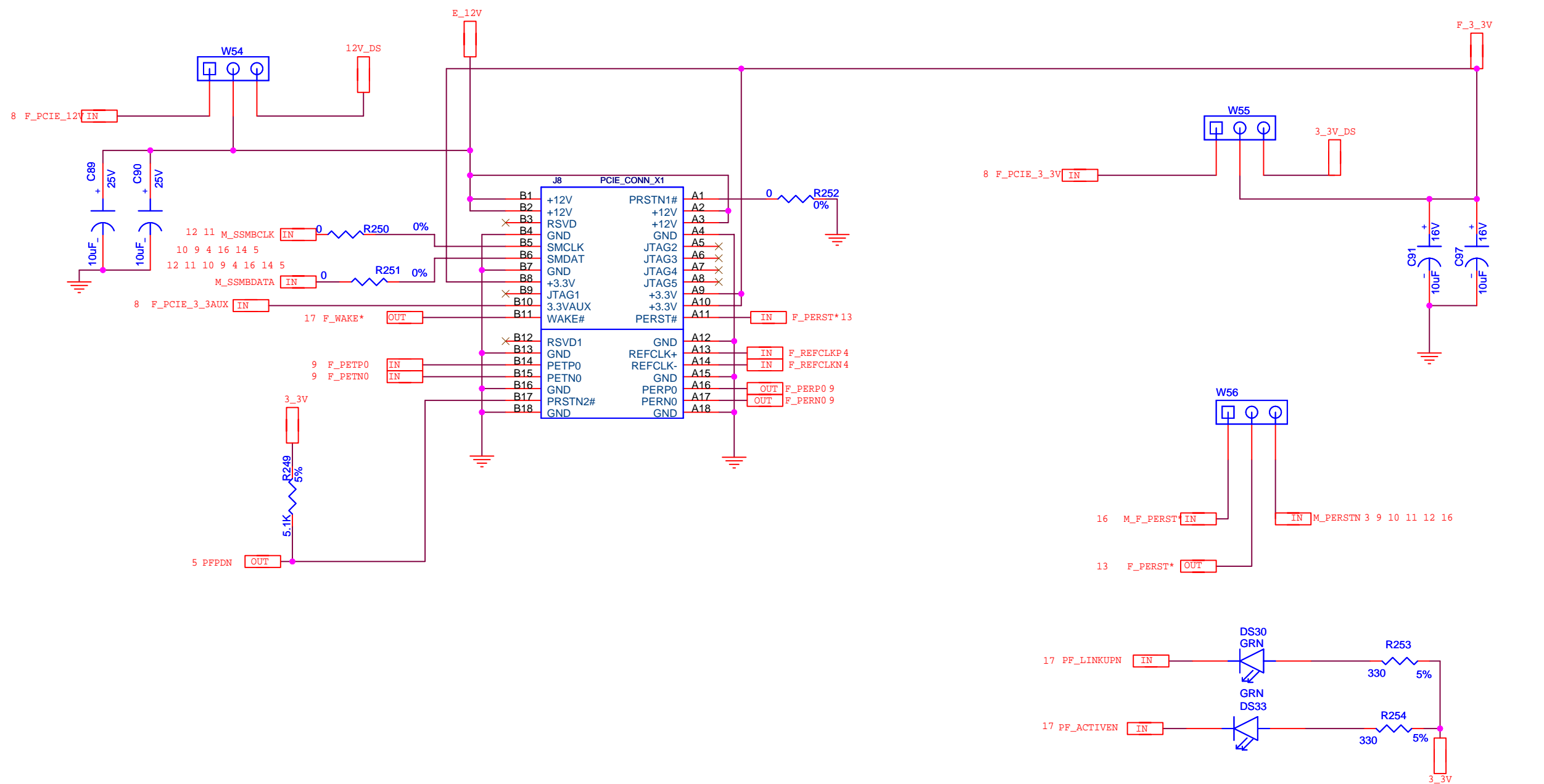


DOWNSTREAM (PORT E) CONNECTOR




CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 951 38
COPYRIGHT (C) IDT 2006

TITLE 89EBPES16T7			
PORT E CONNECTOR			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00083	18-610-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/FARAZ
Tuesday, May 22, 2007		SHEET 12 OF 17	

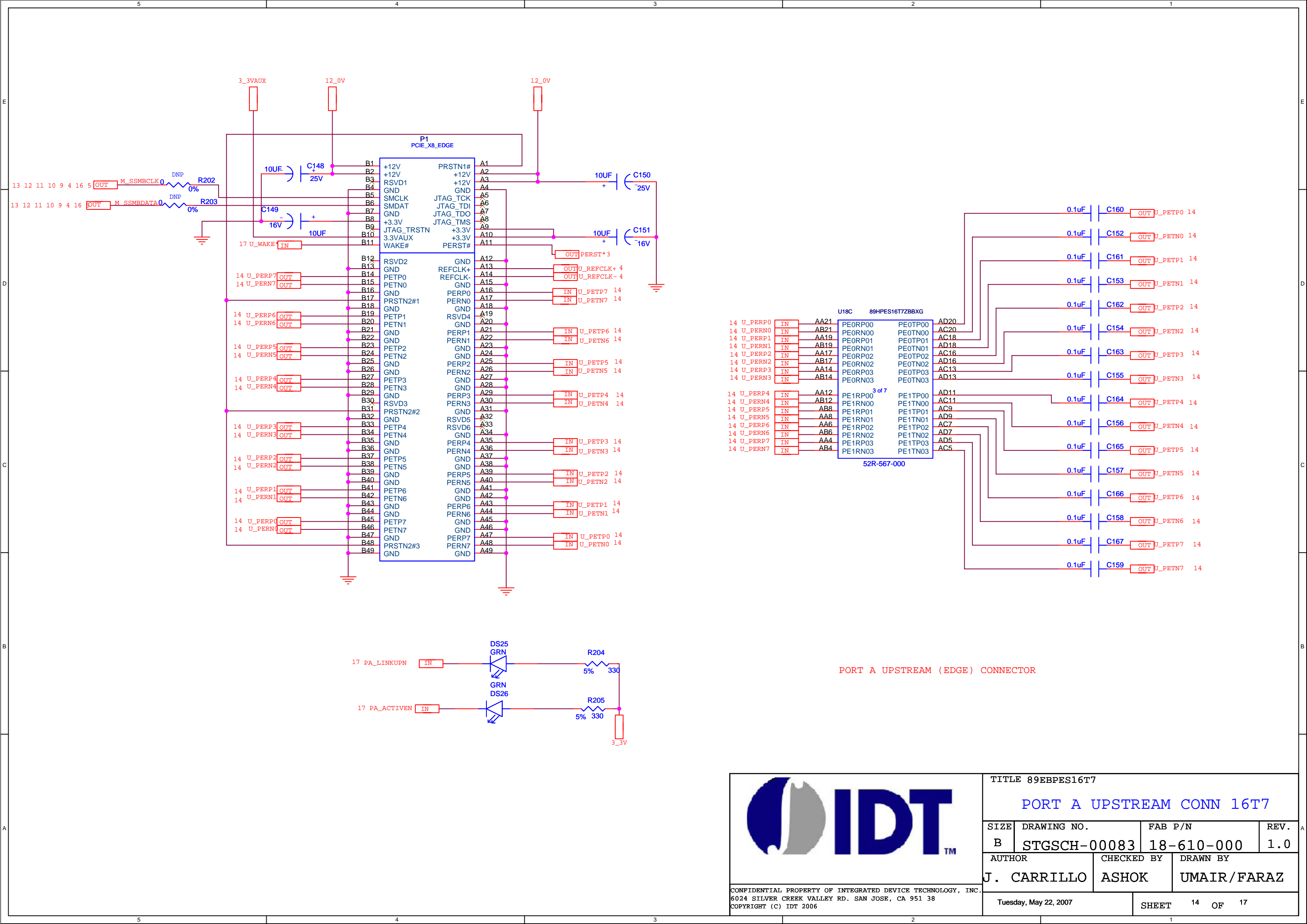


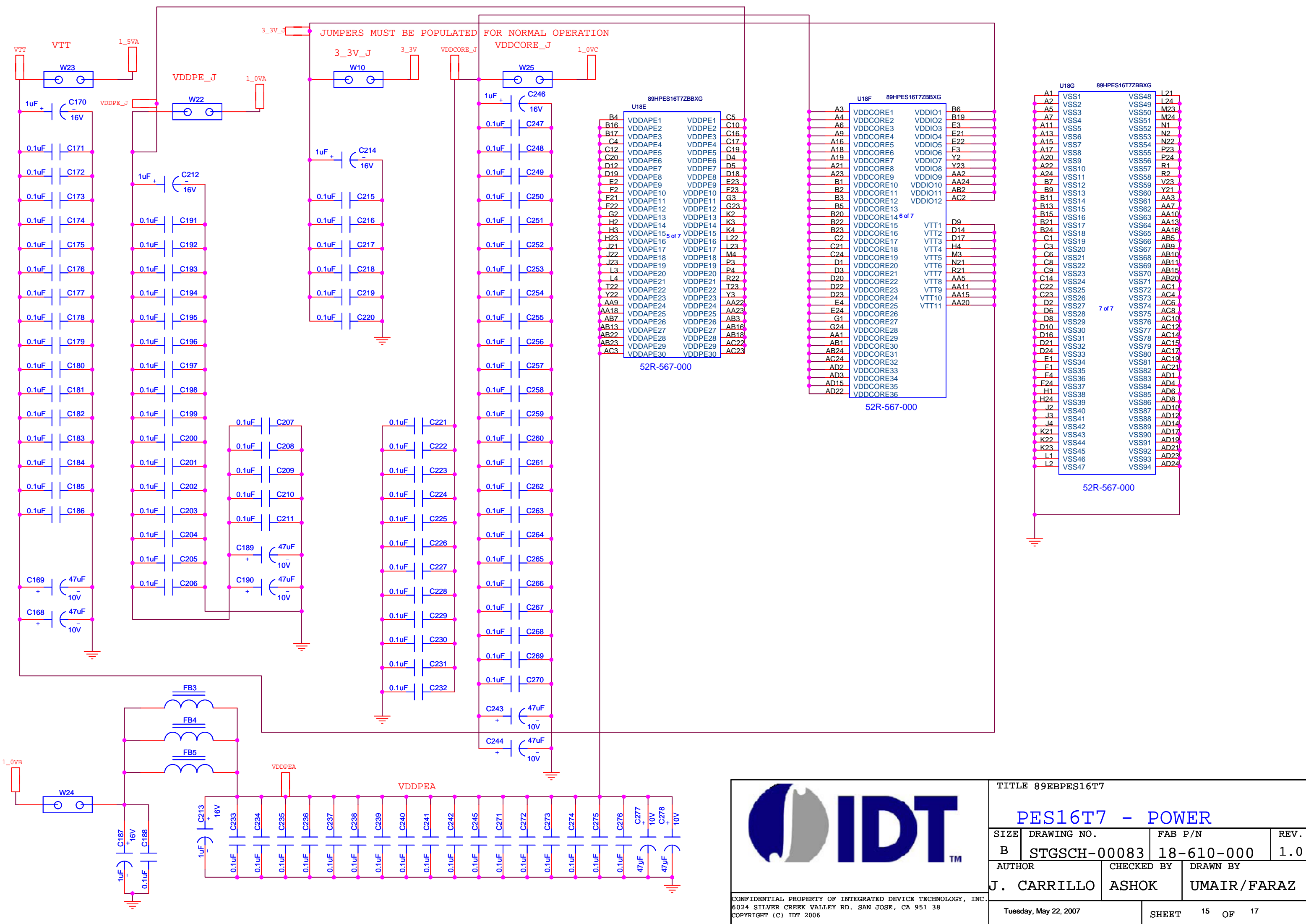
DOWNSTREAM (PORT F) CONNECTOR




CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 951 38
COPYRIGHT (C) IDT 2006

TITLE 89EBPES16T7			
PORT F CONNECTOR			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00083	18-610-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/FARAZ
Tuesday, May 22, 2007		SHEET 13 OF 17	

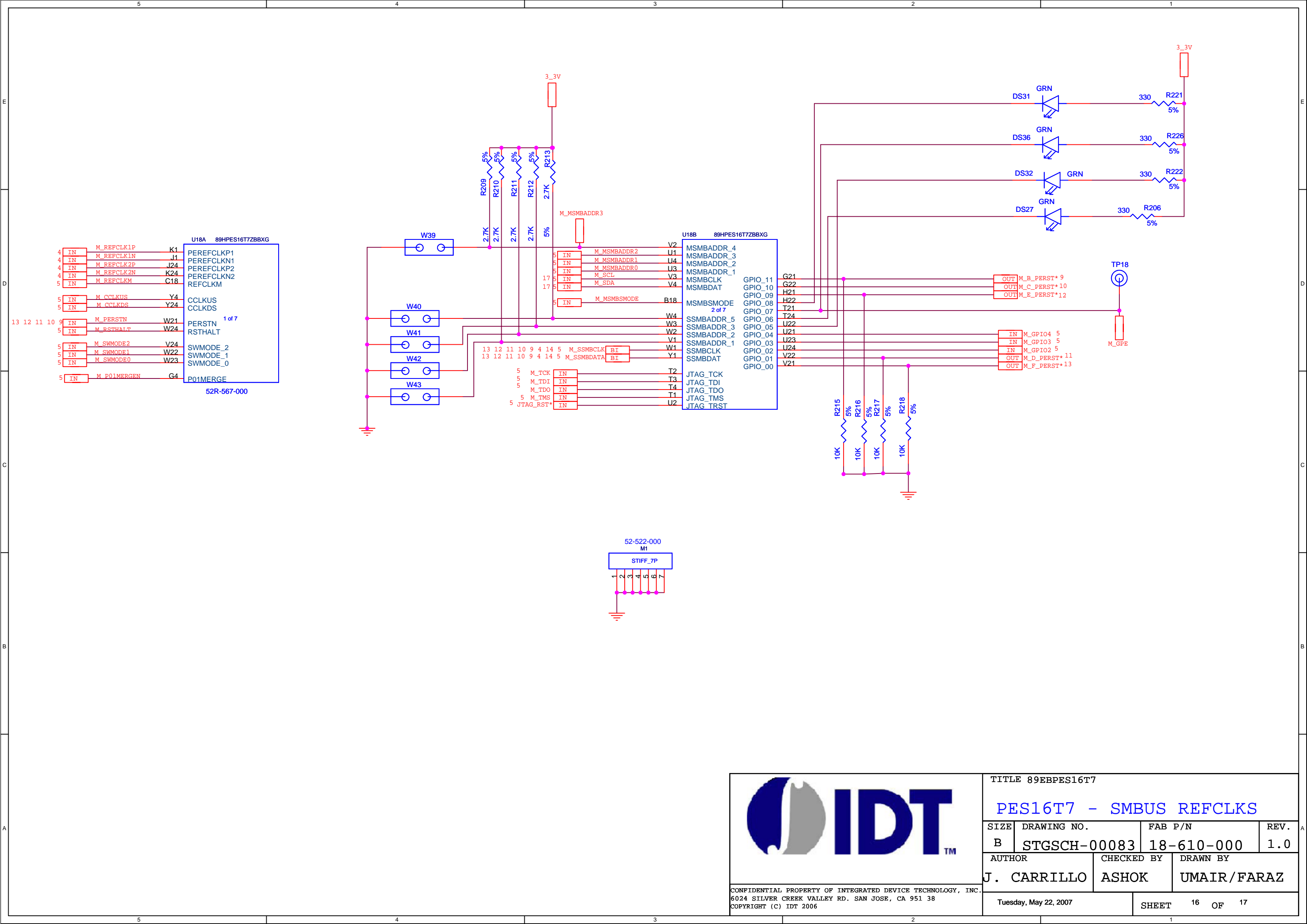


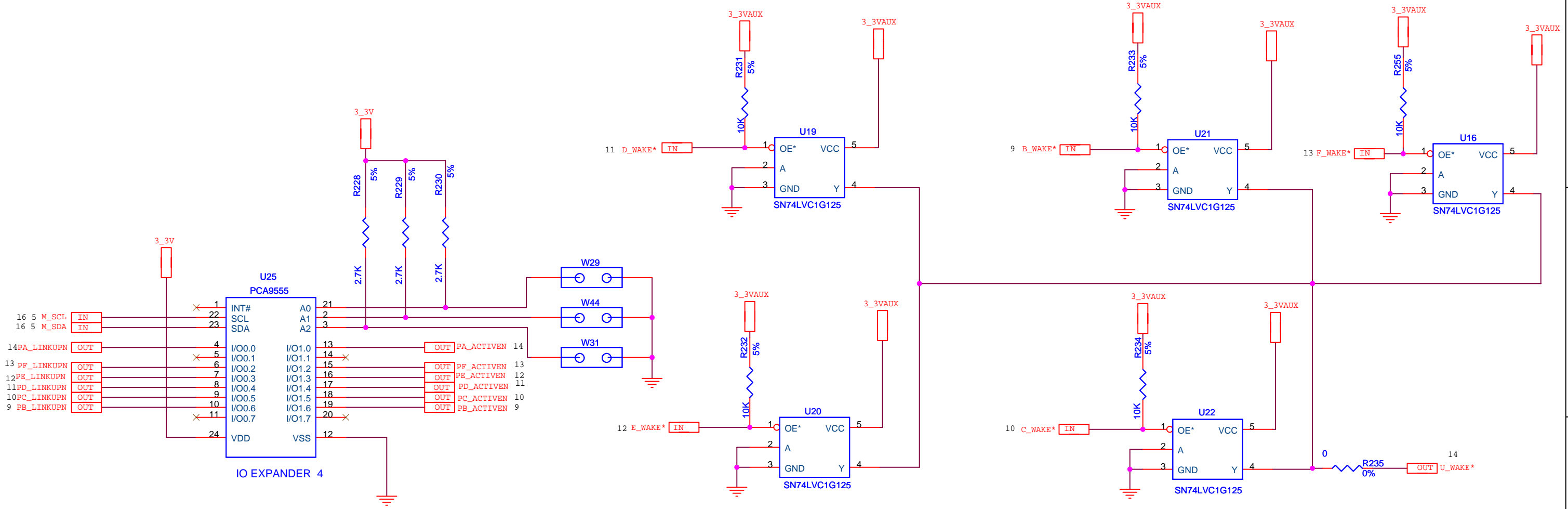





CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 951 38
COPYRIGHT (C) IDT 2006

TITLE 89BPES16T7			
PES16T7 - POWER			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00083	18-610-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/FARAZ
Tuesday, May 22, 2007		SHEET 15 OF 17	







CONFIDENTIAL PROPERTY OF INTEGRATED DEVICE TECHNOLOGY, INC.
6024 SILVER CREEK VALLEY RD. SAN JOSE, CA 951 38
COPYRIGHT (C) IDT 2006

TITLE 89EBPES16T7

LINK STATUS WAKE

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00083	18-610-000	1.0
AUTHOR		CHECKED BY	DRAWN BY
J. CARRILLO		ASHOK	UMAIR/FARAZ
Tuesday, May 22, 2007			SHEET 17 OF 17