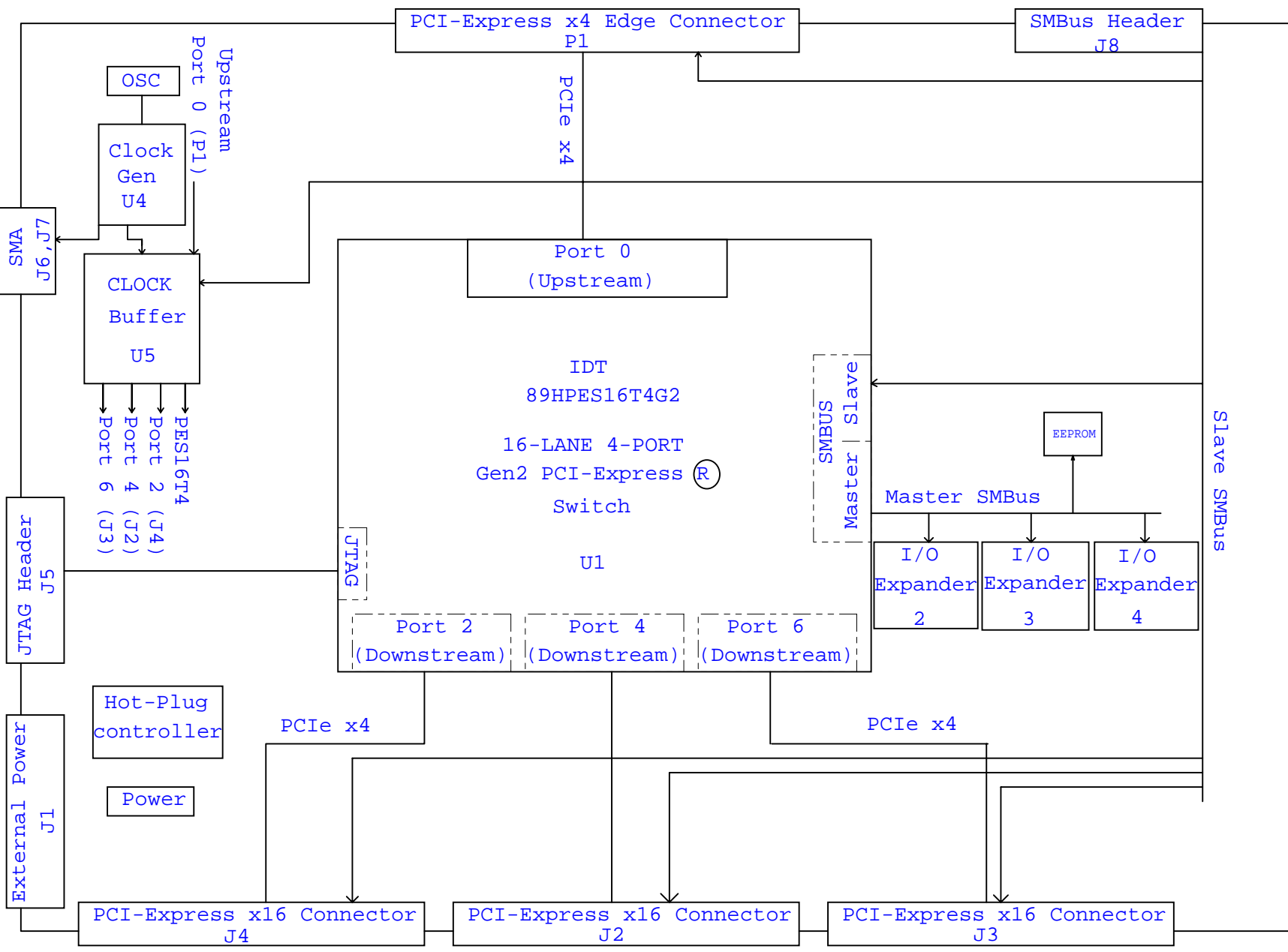



89EBPES16T4G2- Evaluation Board



SHEET DESCRIPTION

- 1 TITLE PAGE
- 2 RESET, POWER CONNECTOR
- 3 POWER REGULATORS
- 4 CLOCKS
- 5 I/O EXP, WAKE, ATTN
- 6 HOT PLUG CONTROLLERS
- 7 HOT PLUG - MOSFETS
- 8 PORT 0 EDGE CONN (U/S)
- 9 PORT 2 CONNECTOR (D/S)
- 10 PORT 4 CONNECTOR (D/S)
- 11 PORT 6 CONNECTOR (D/S)
- 12 PES16T4G2 - EEPROM.JTAG
- 13 PES16T4G2 - POWER



TITLE 89EBPES16T4 G2

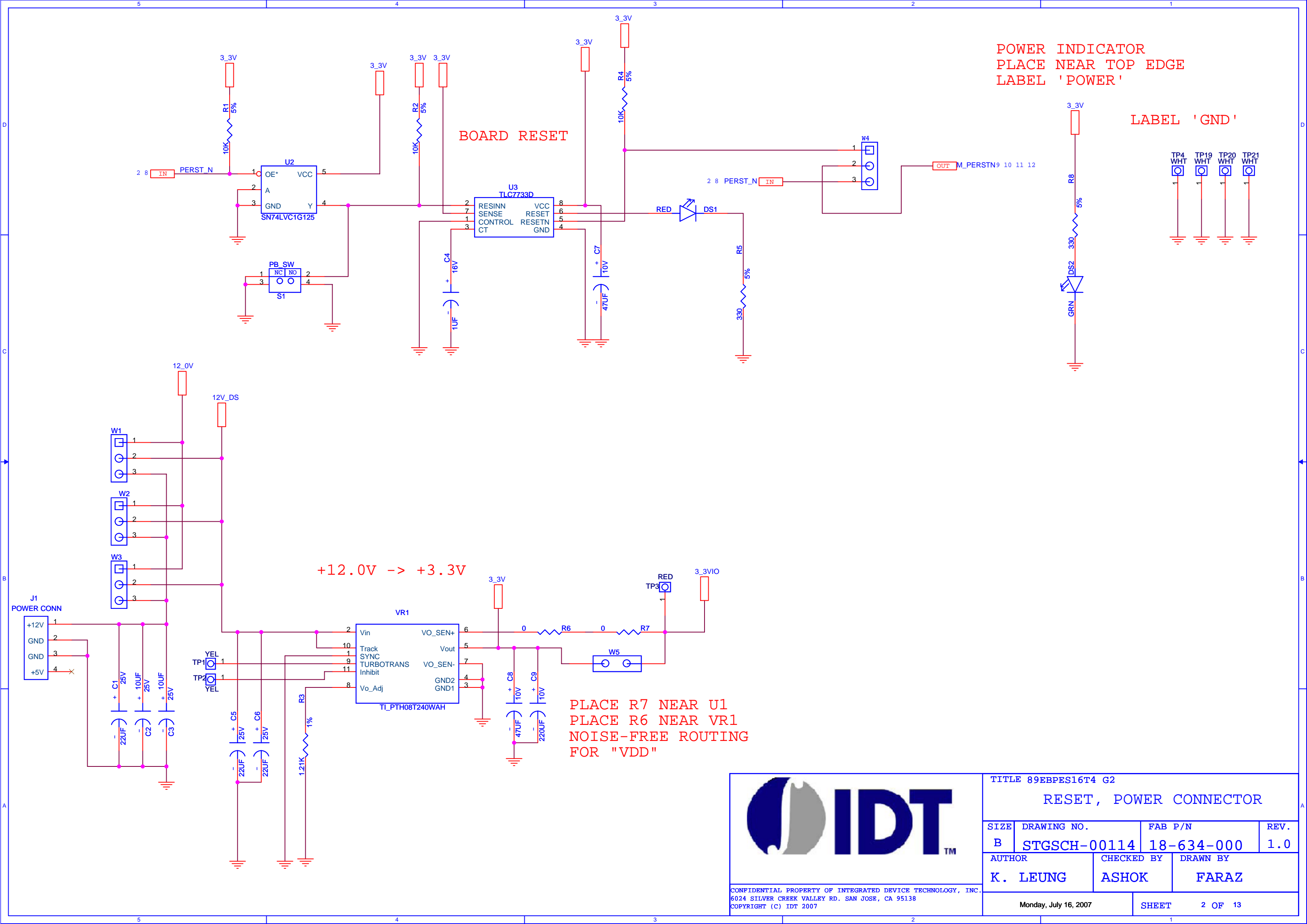
89EBPES16T4G2

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00114	18-634-000	1.0
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POWER INDICATOR
PLACE NEAR TOP EDGE
LABEL 'POWER'

LABEL 'GND'

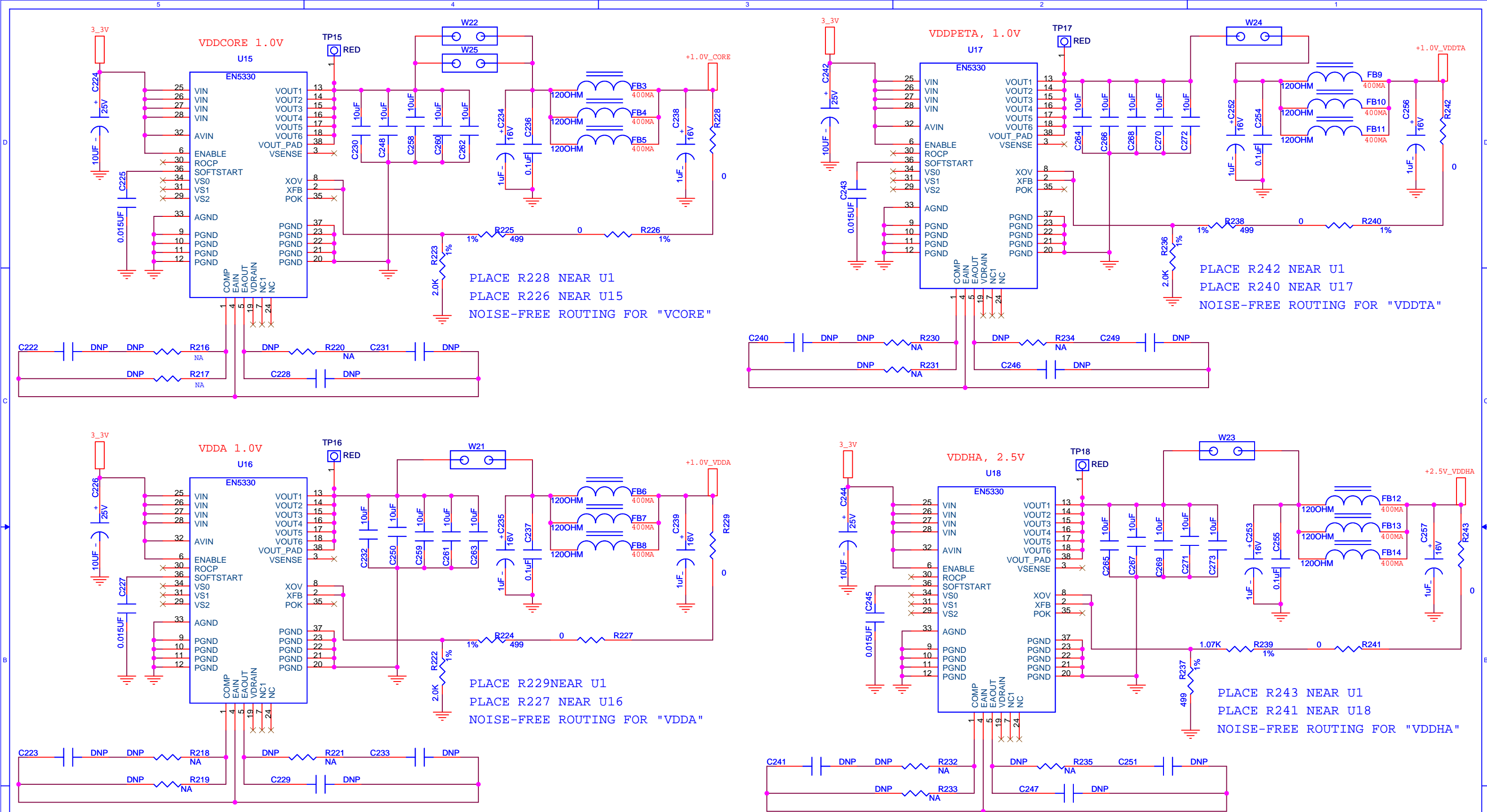
+12.0V -> +3.3V

PLACE R7 NEAR U1
PLACE R6 NEAR VR1
NOISE-FREE ROUTING
FOR "VDD"



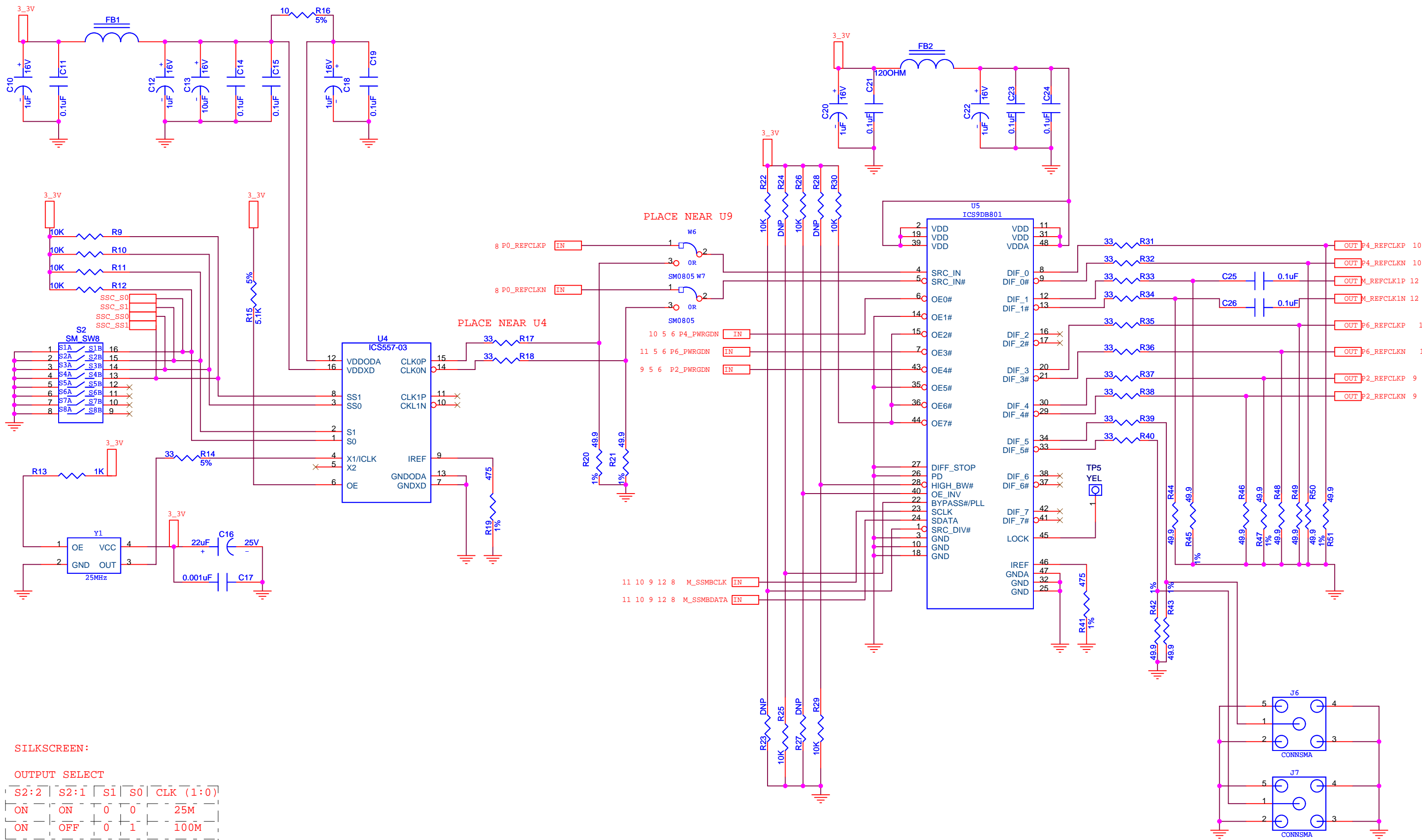
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TITLE 89EBPES16T4 G2			
RESET, POWER CONNECTOR			
SIZE	DRAWING NO.	FAB P/N	REV.
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TITLE 89EBPES16T4 G2			
POWER SUPPLY AND RESET			
SIZE	DRAWING NO.	FAB P/N	REV.
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SILKSCREEN:

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



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TITLE 89EBPES16T4 G2

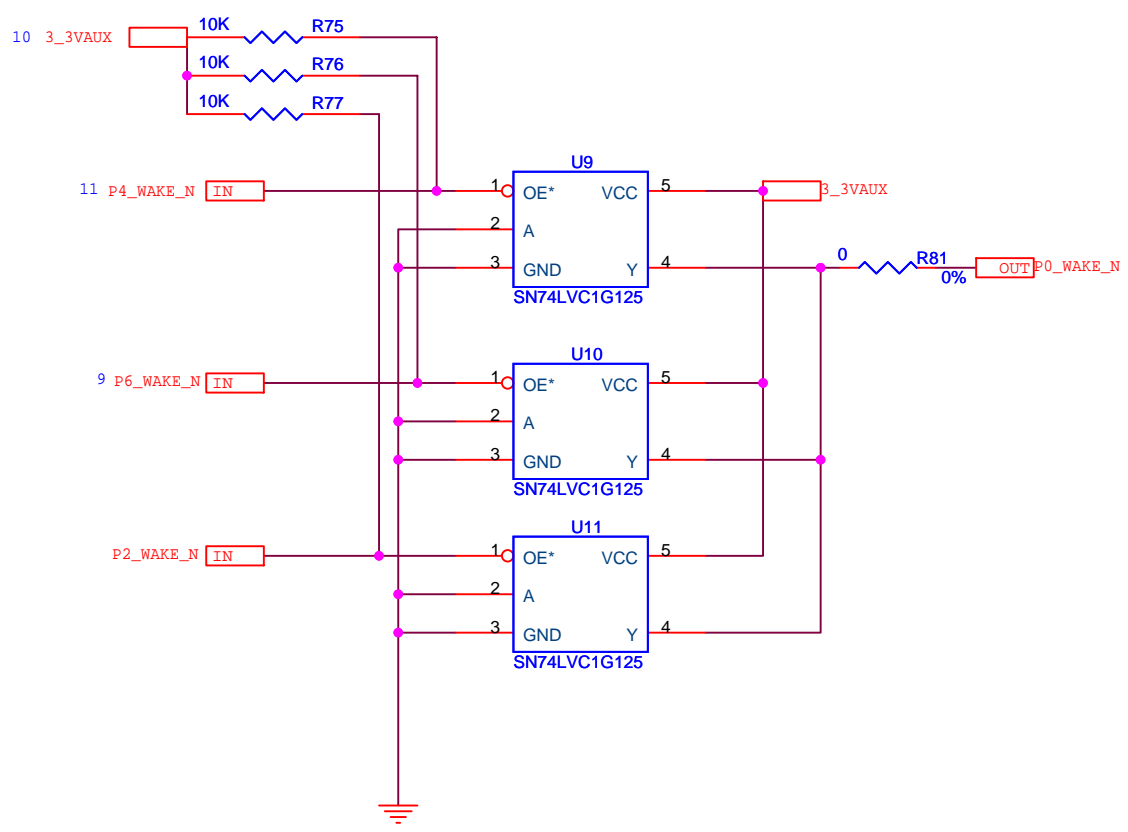
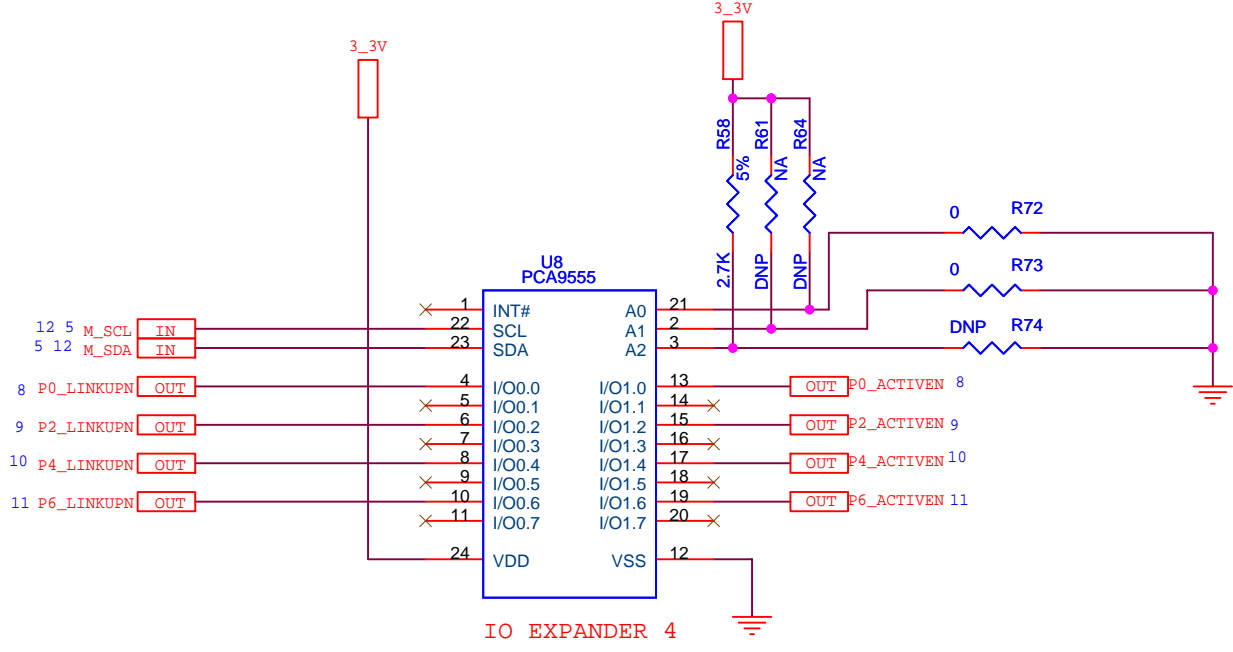
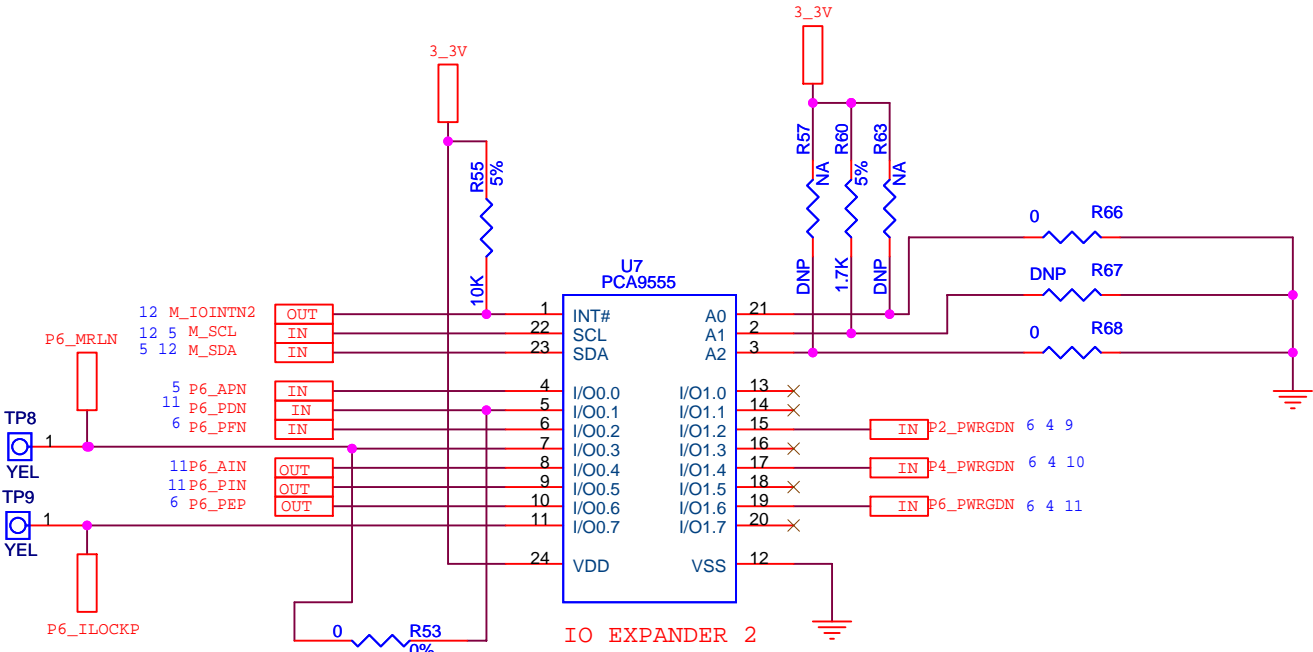
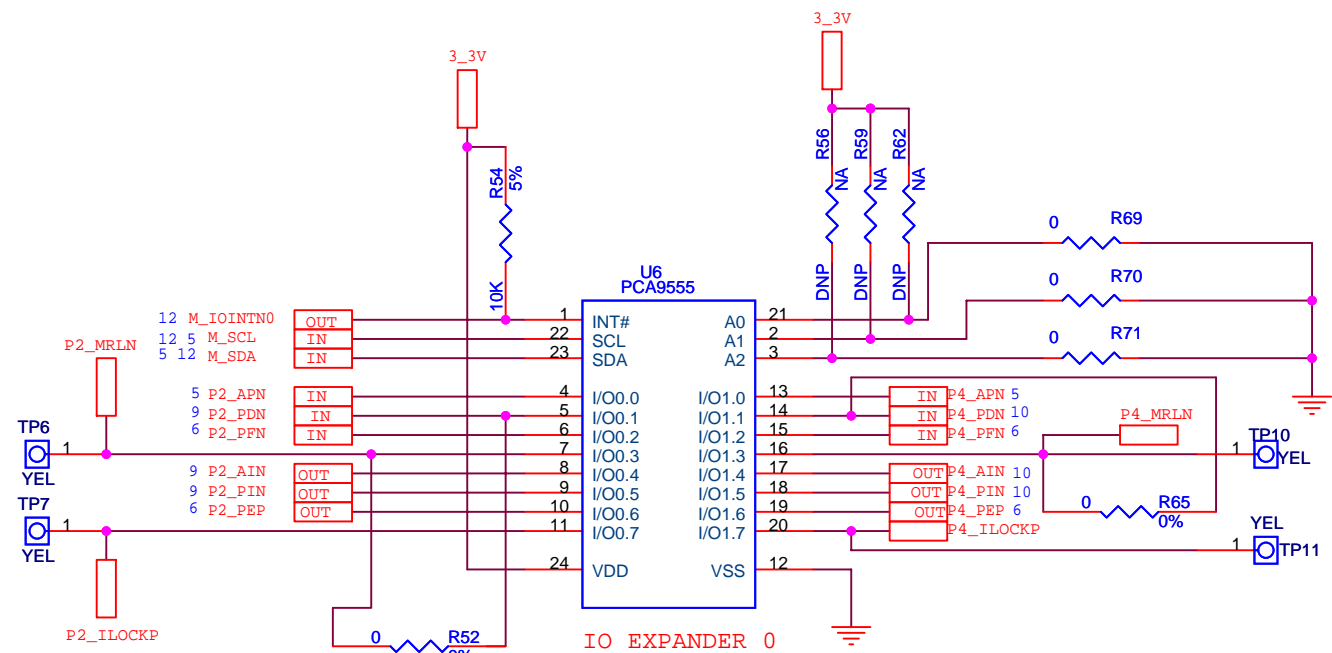
CLOCKS

SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00114	18-634-000	1.0

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SHEET 4 OF 13

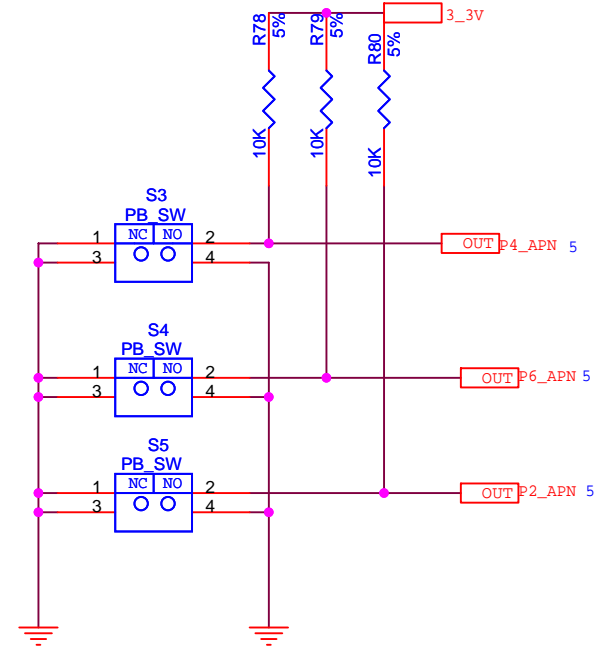



SILKSCREEN LABELS:

PORT 4 ATTN

PORT 6 ATTN

PORT 2 ATTN

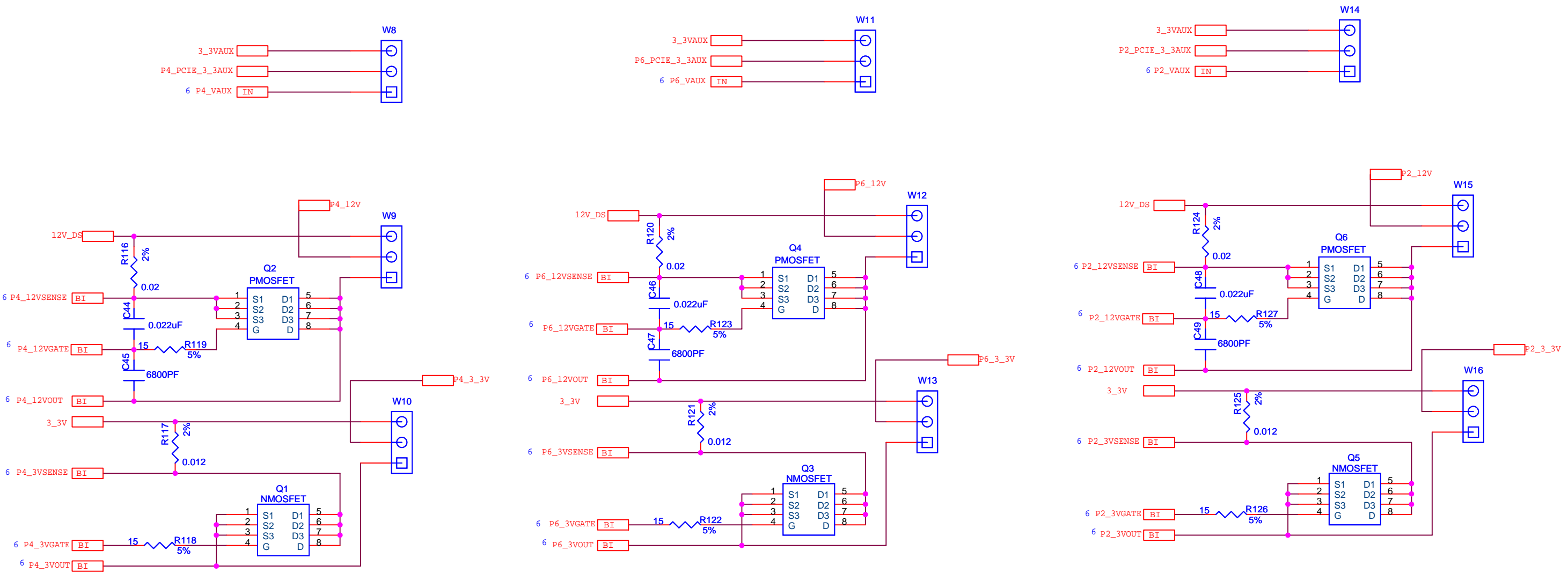





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TITLE 89EBPES16T4 G2
IO EXP, WAKE, ATTN BUTTONS

SIZE	DRAWING NO.	FAB P/N	REV.
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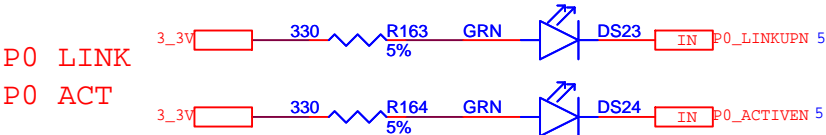
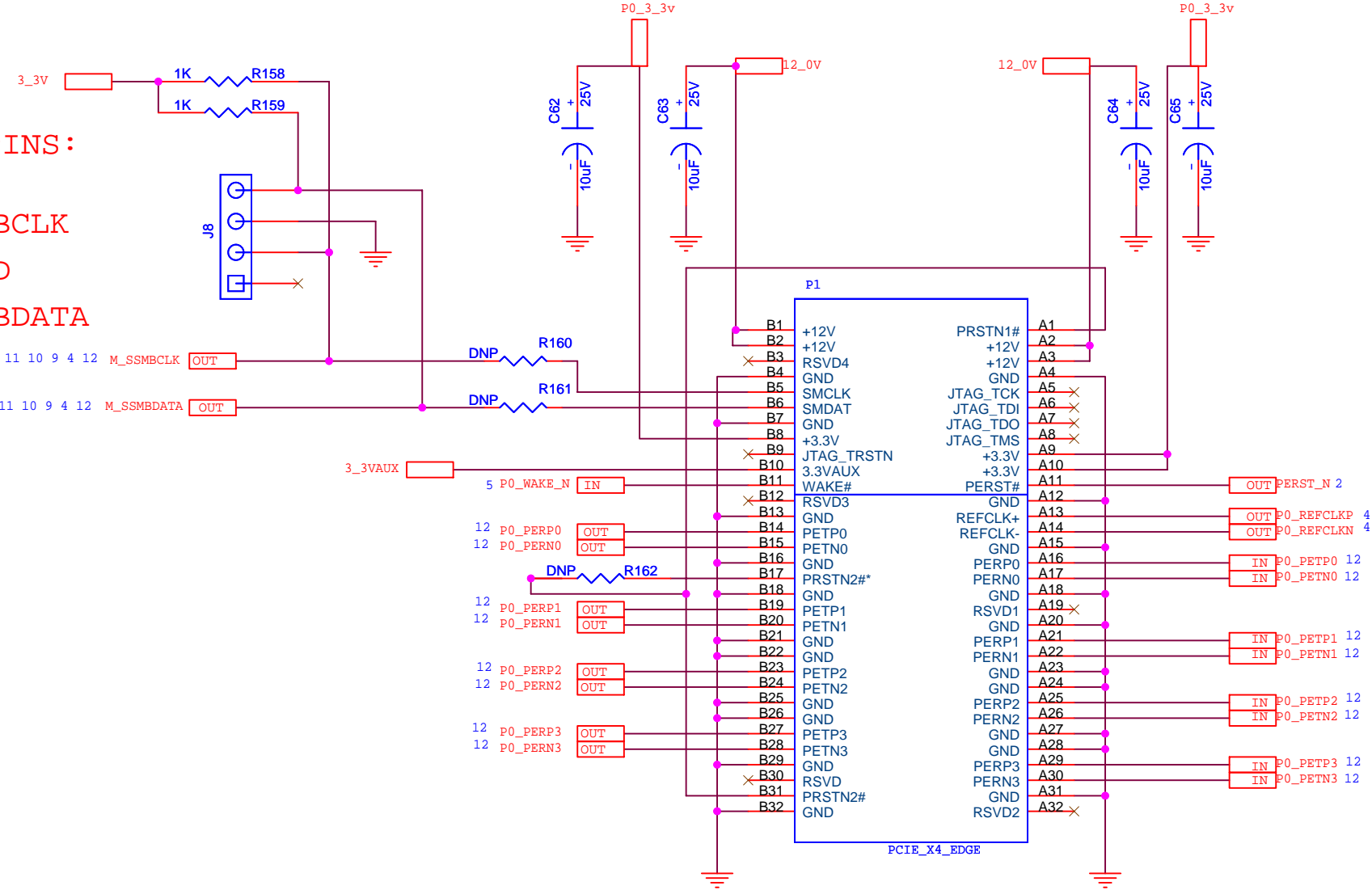



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TITLE 89EBPES16T4 G2
HOT PLUG - MOSFETS

SIZE B	DRAWING NO. STGSCH-00114	FAB P/N 18-634-000	REV. 1.0
AUTHOR K. LEUNG		CHECKED BY ASHOK	DRAWN BY FARAZ
Monday, July 16, 2007		SHEET	7 OF 13

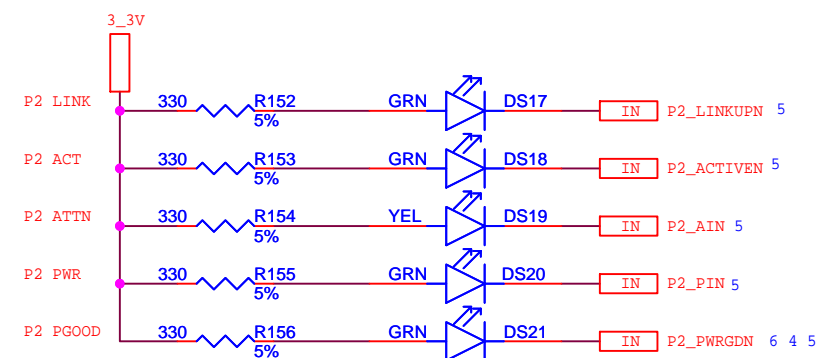
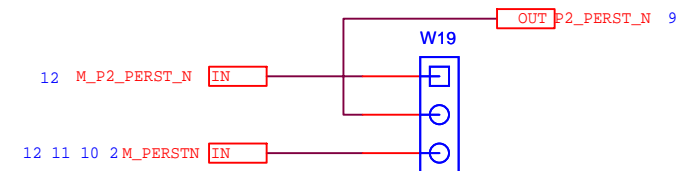
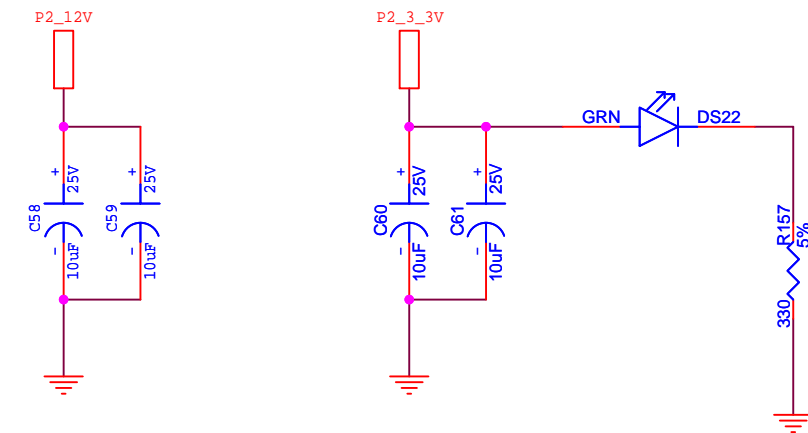
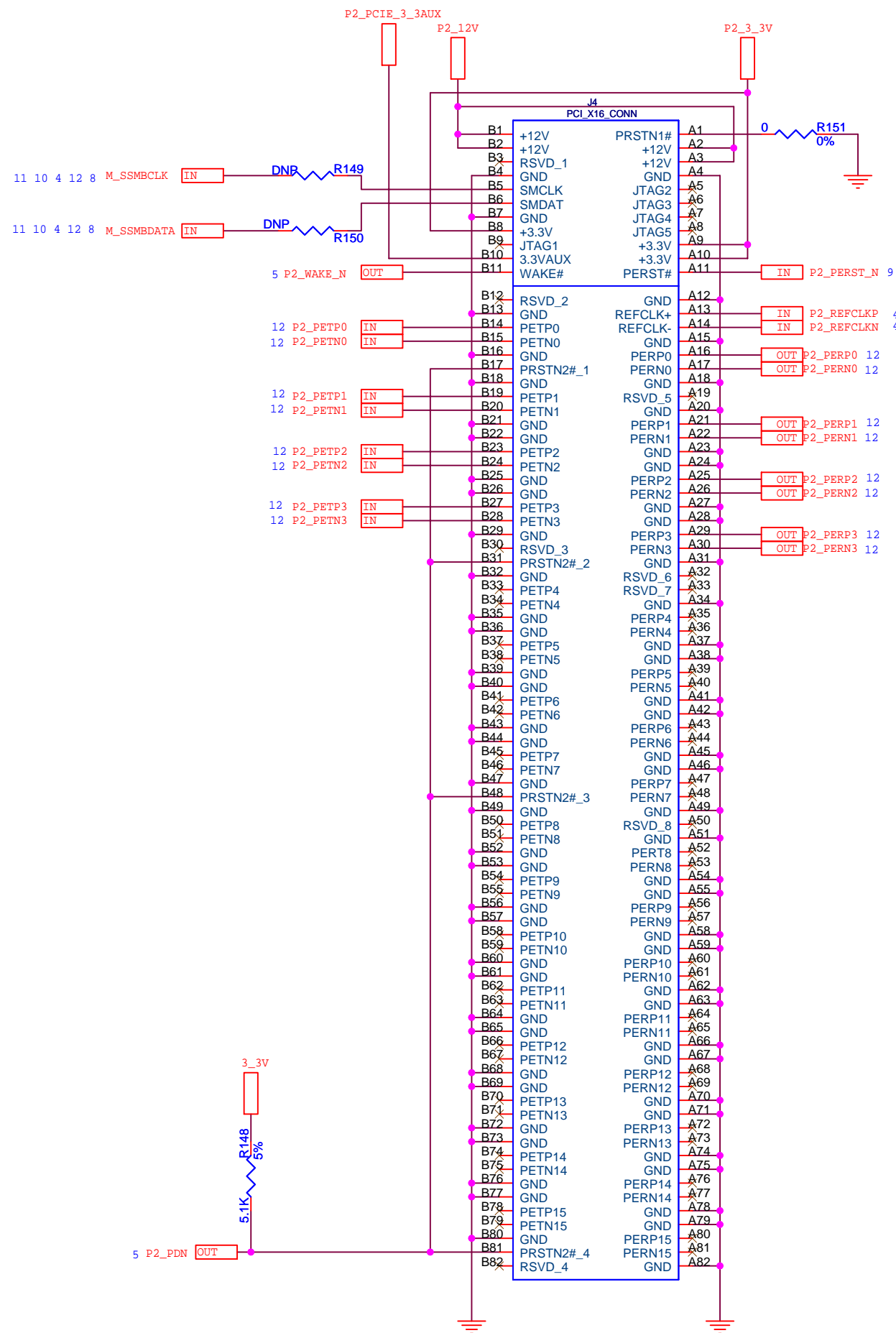
LABEL PINS:
 1 NC
 2 SMBCLK
 3 GND
 4 SMBDATA






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TITLE 89EBPES16T4 G2			
PORT 0 UPSTREAM EDGE CONN.			
SIZE	DRAWING NO.	FAB P/N	REV.
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TITLE 89EBPES16T4 G2

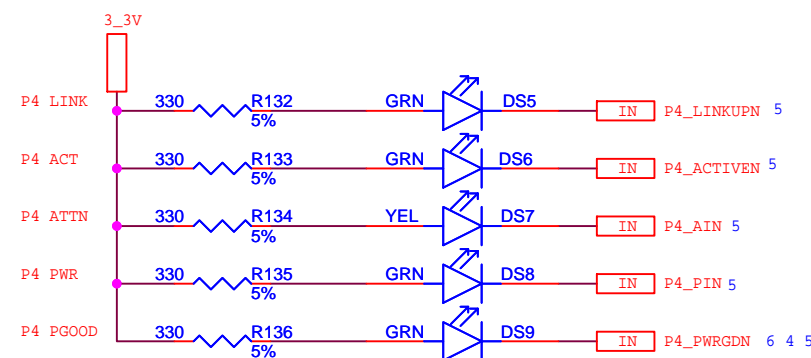
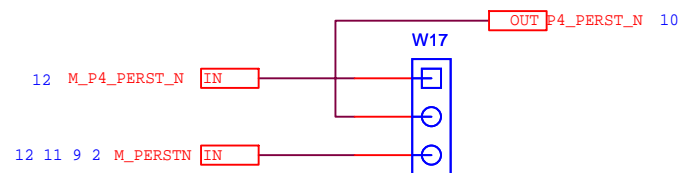
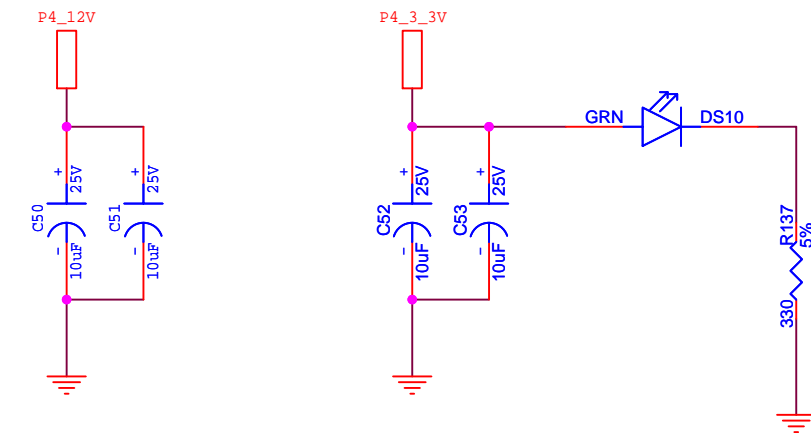
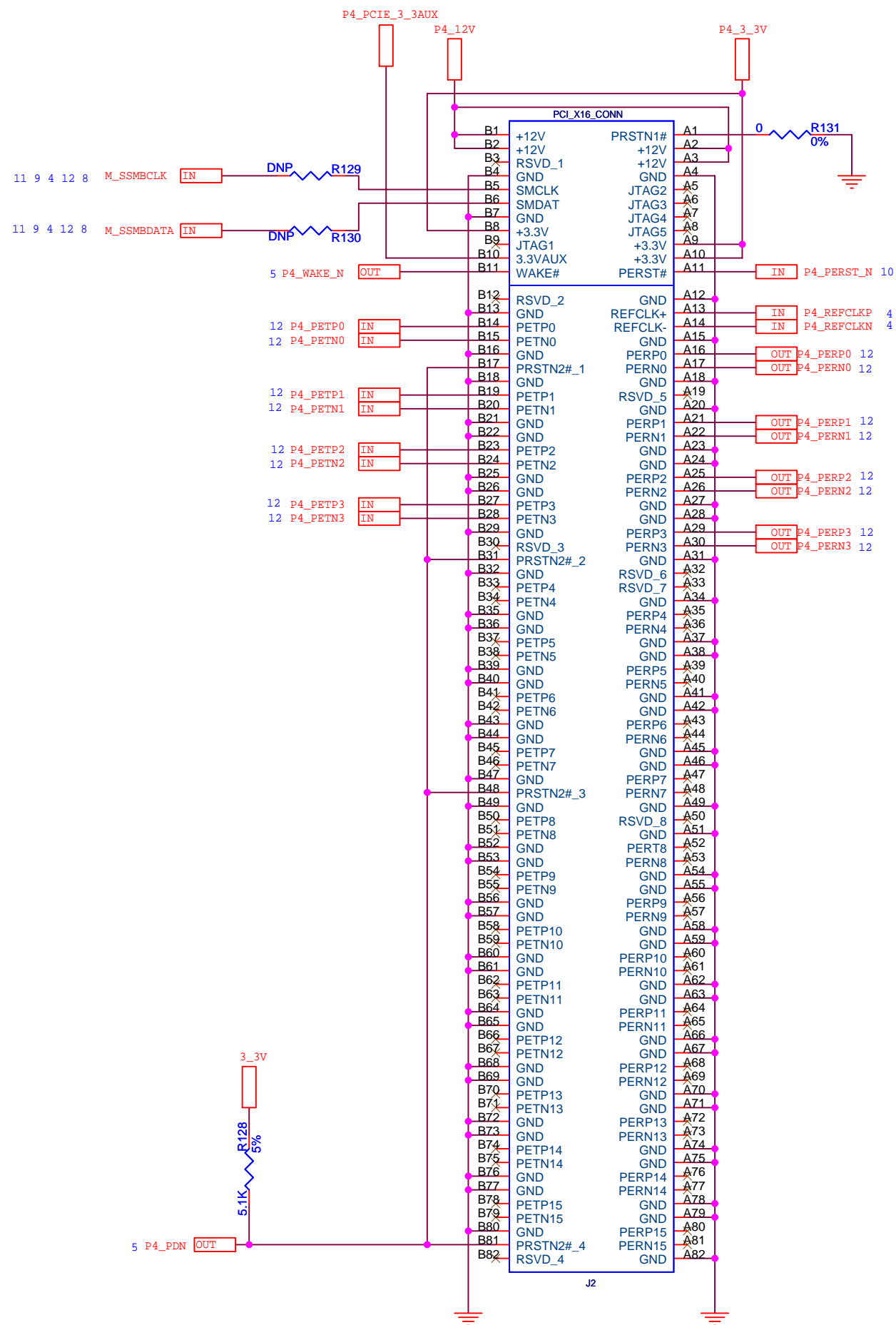
PORT 2 CONNECTOR


SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00114	18-634-000	1.0

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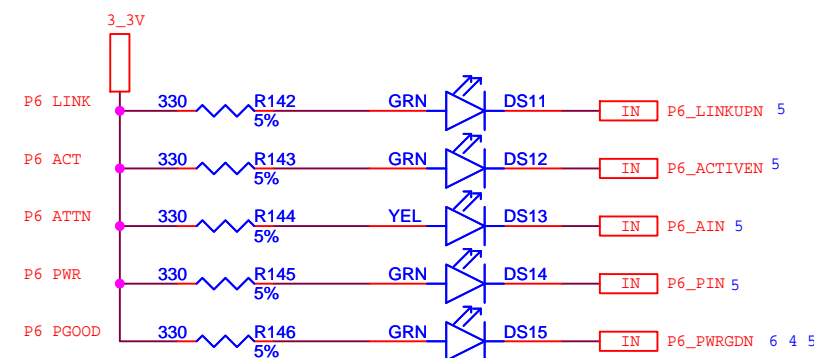
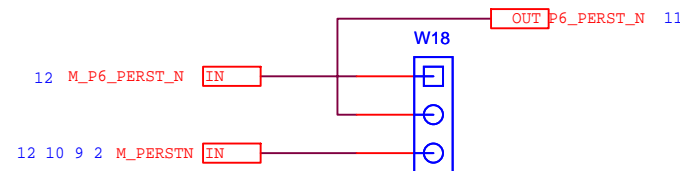
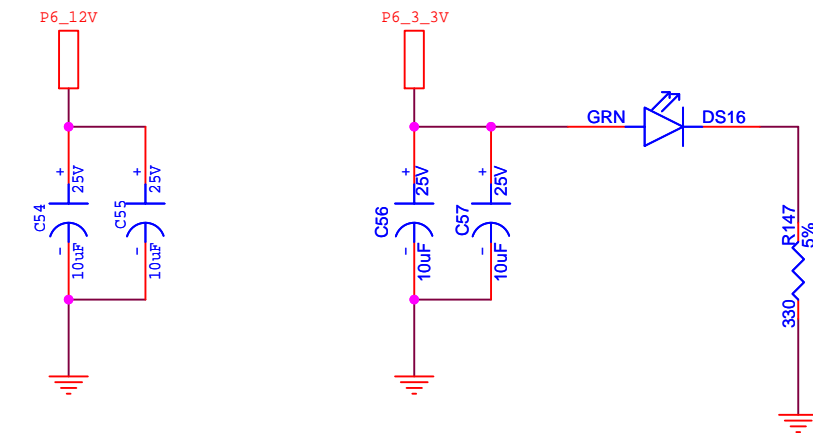
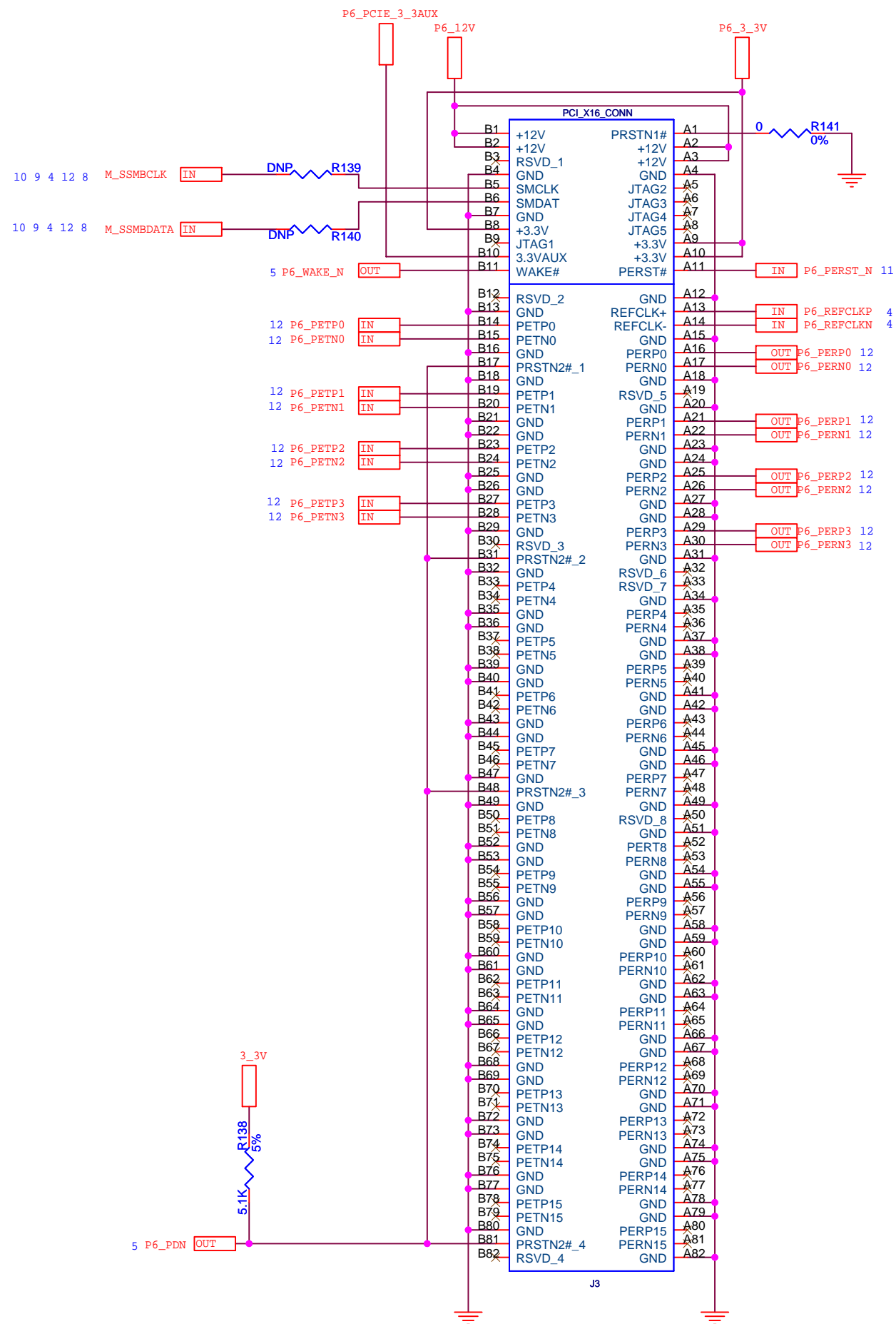



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PORT 4 CONNECTOR

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TITLE 89EBPES16T4 G2

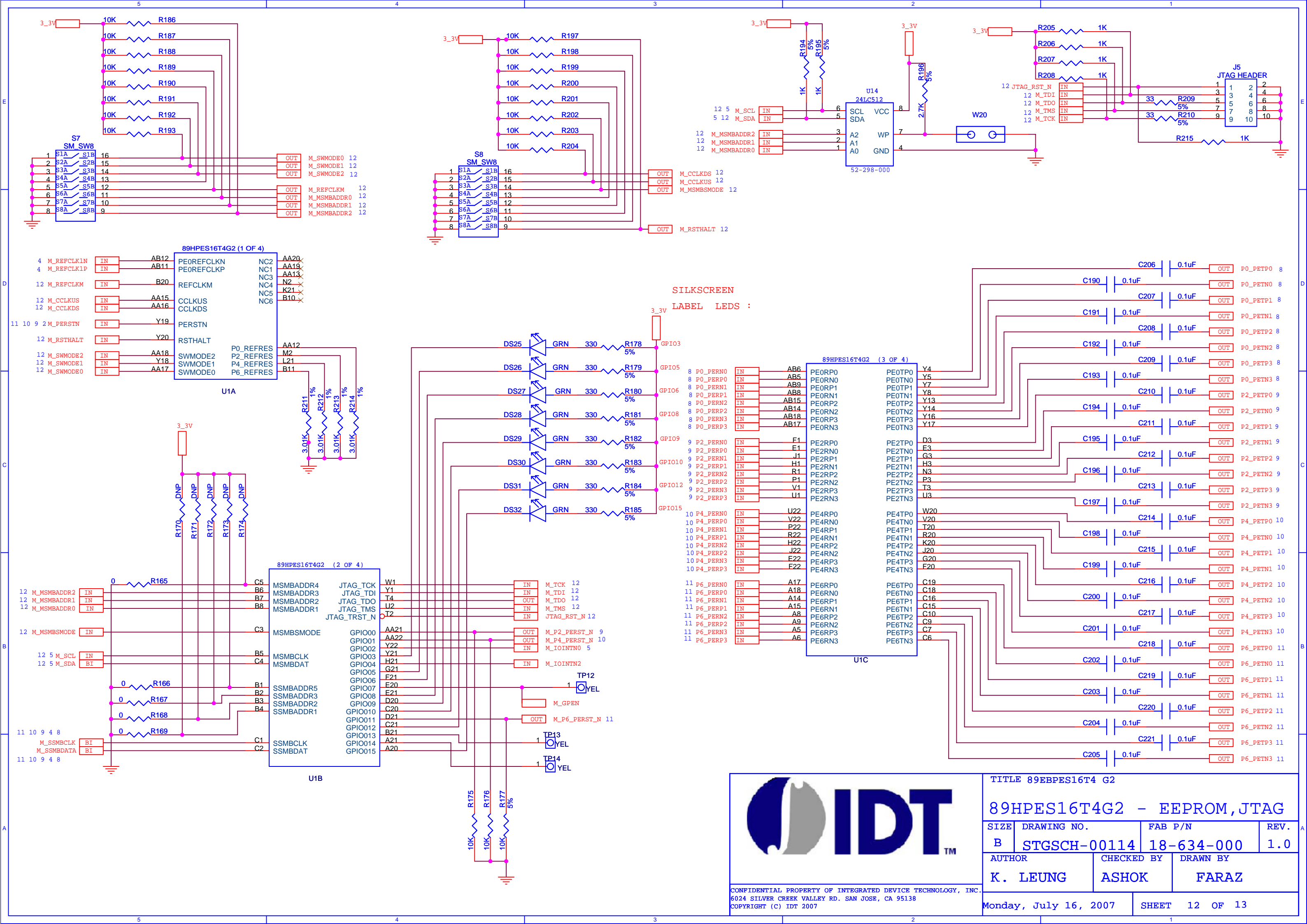
PORT 6 CONNECTOR

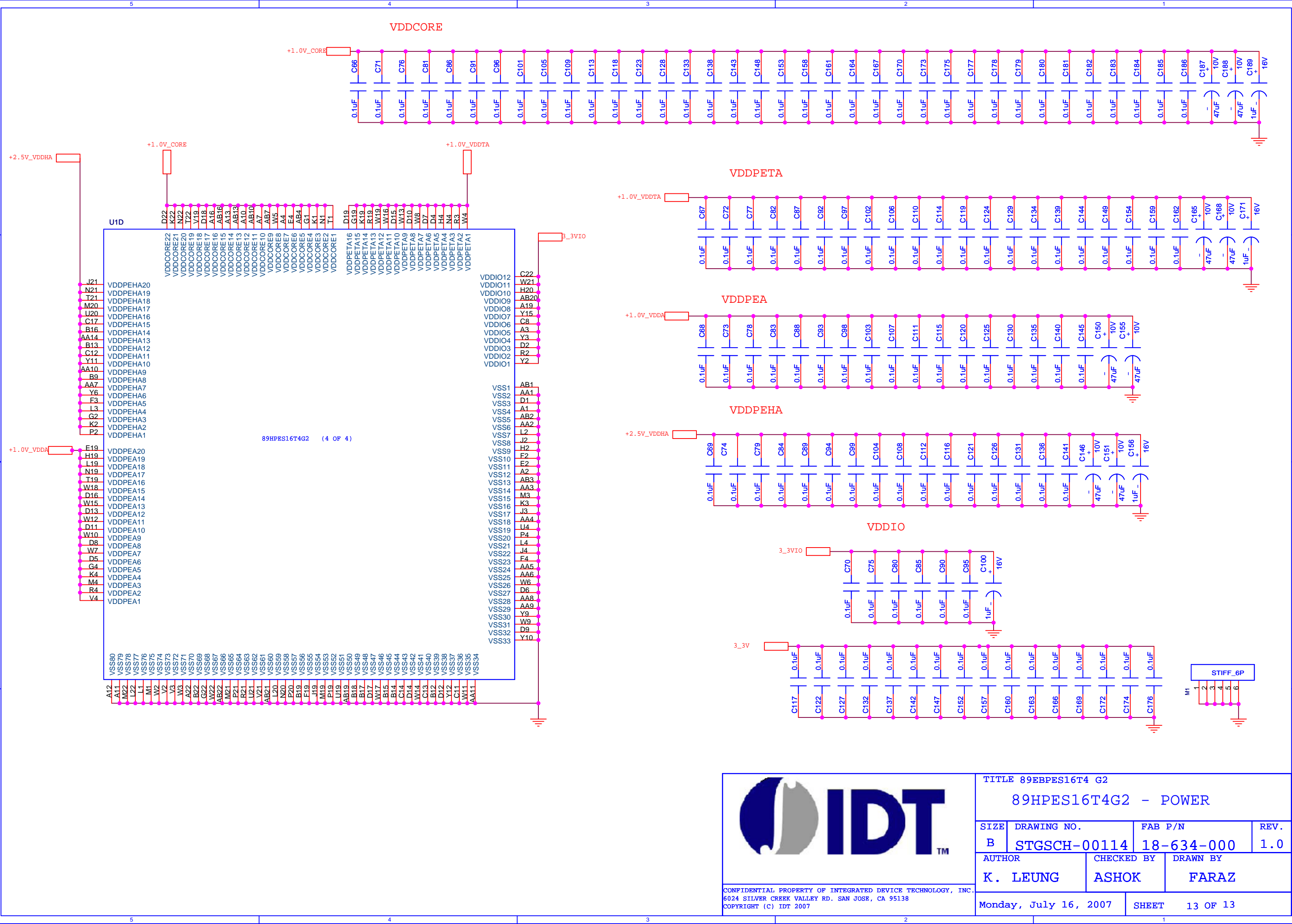
SIZE	DRAWING NO.	FAB P/N	REV.
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TITLE 89EBPES16T4 G2			
89HPES16T4G2 - POWER			
SIZE	DRAWING NO.	FAB P/N	REV.
B	STGSCH-00114	18-634-000	1.0
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