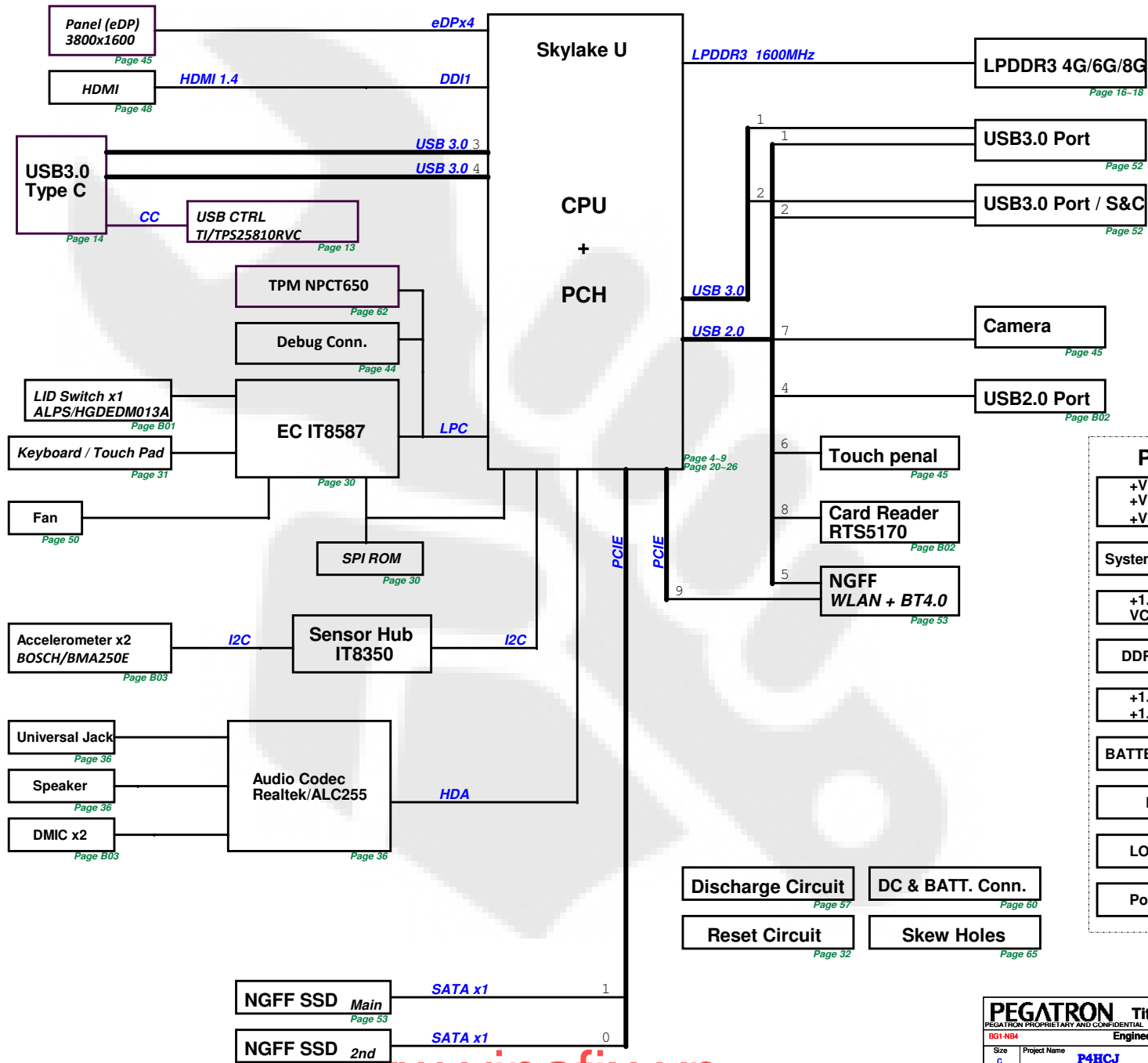
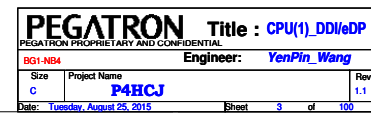
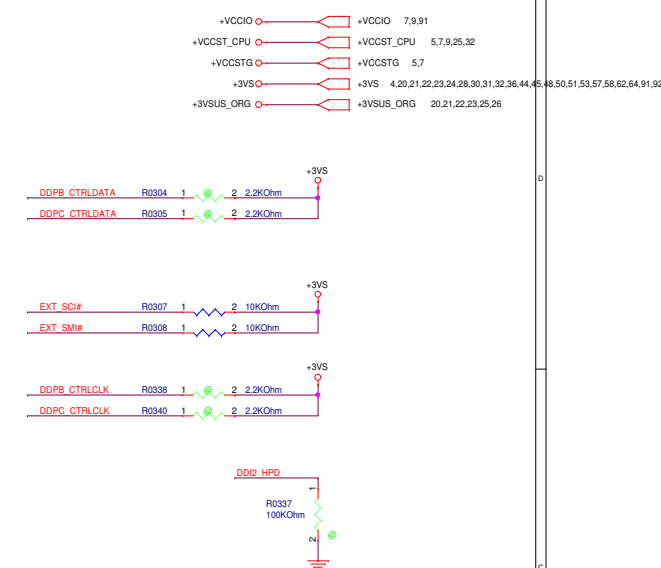


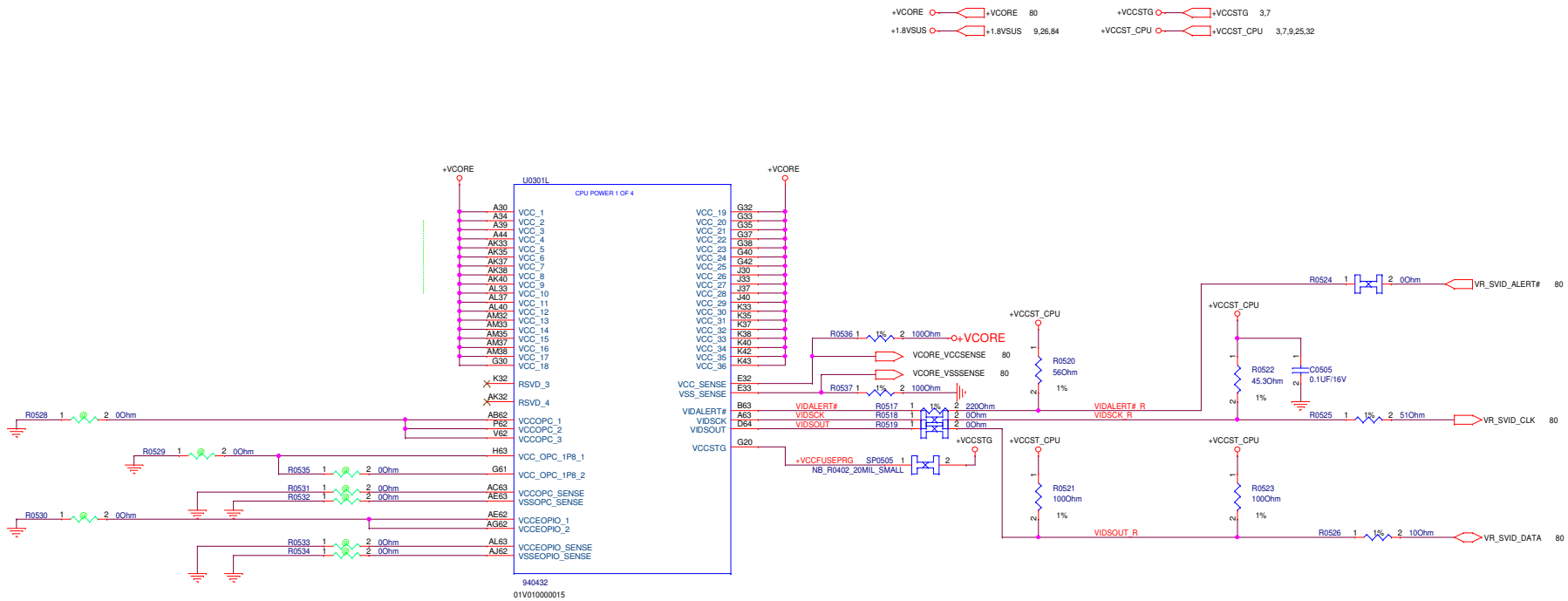
Skylake-U

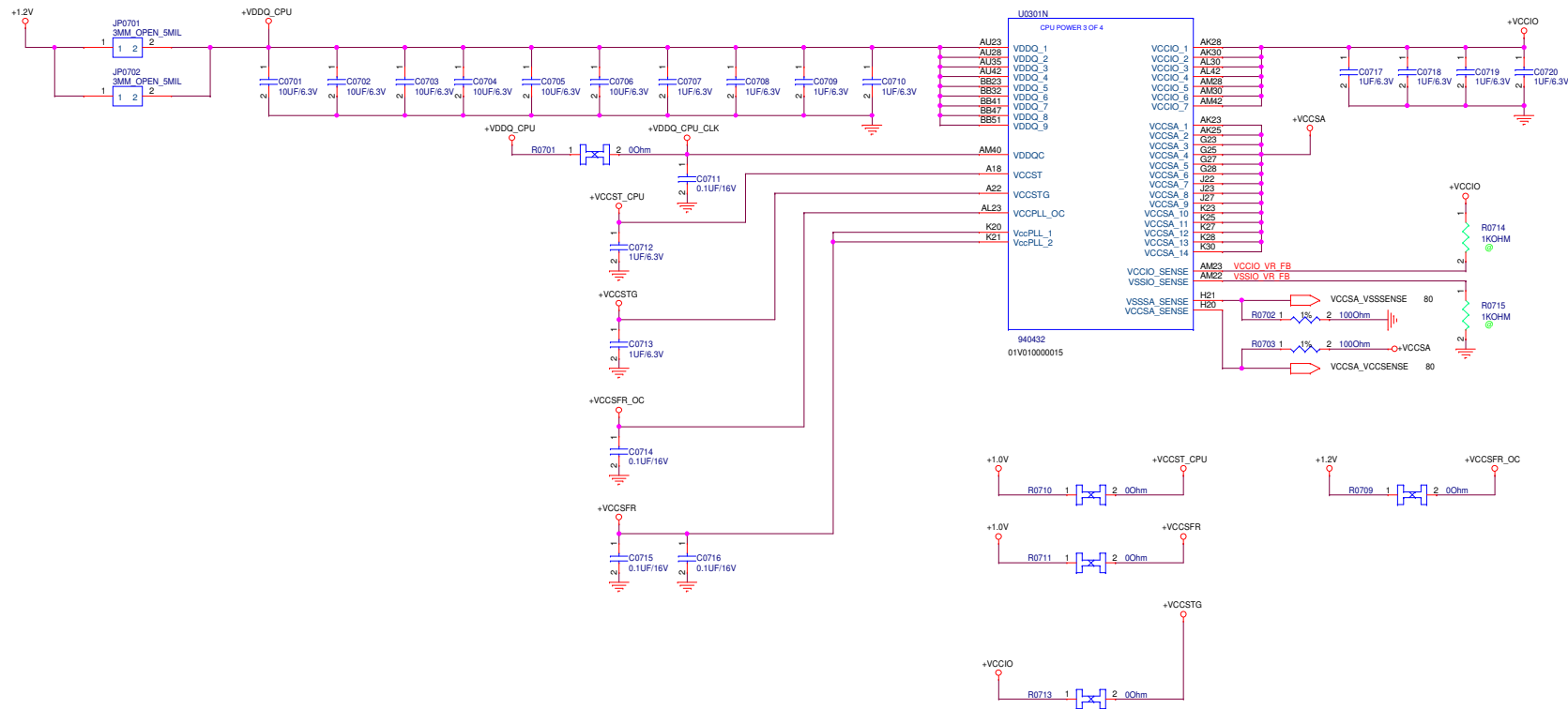
BLOCK DIAGRAM

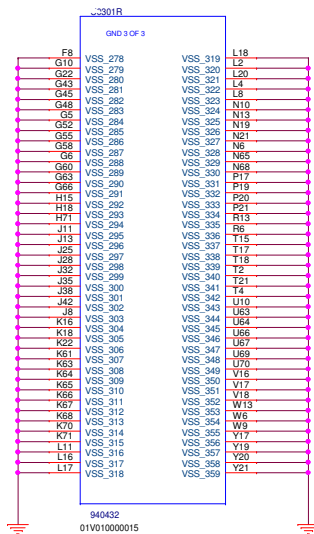
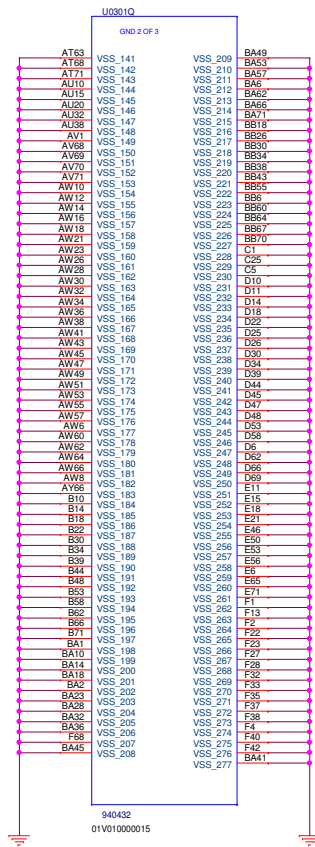
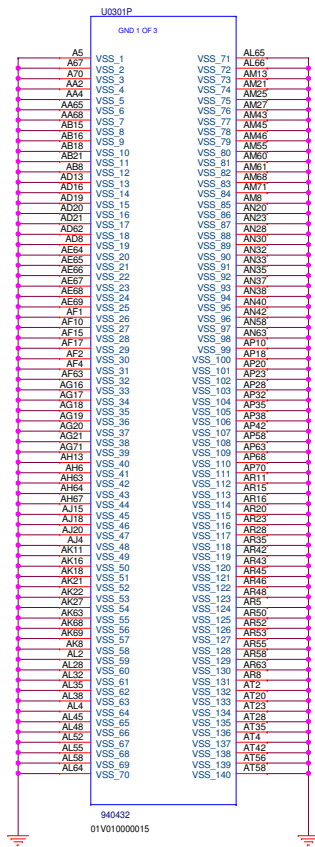


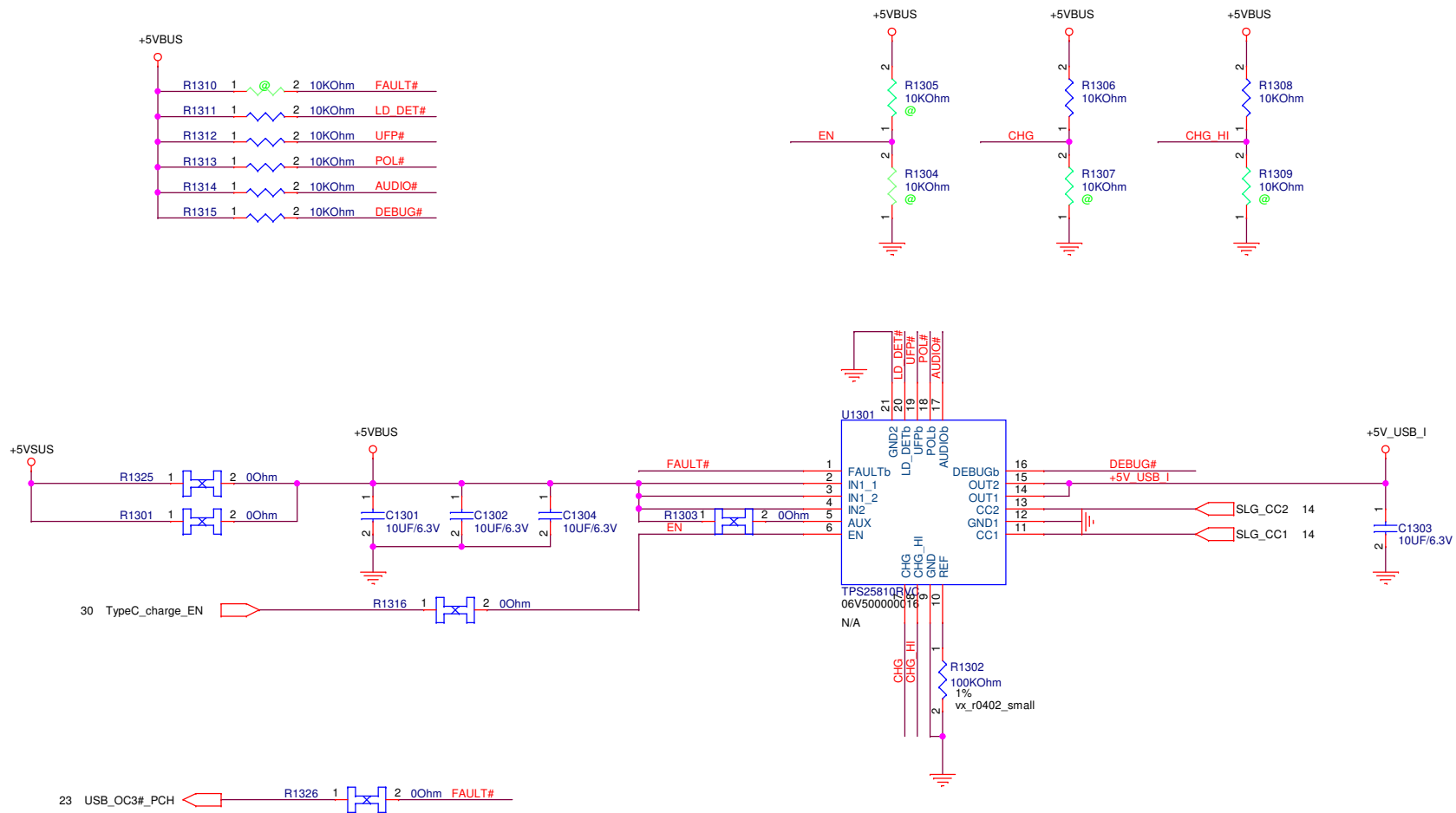
[illegible]



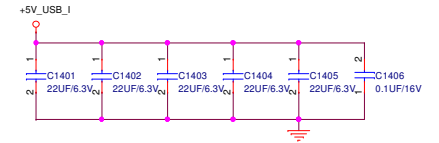
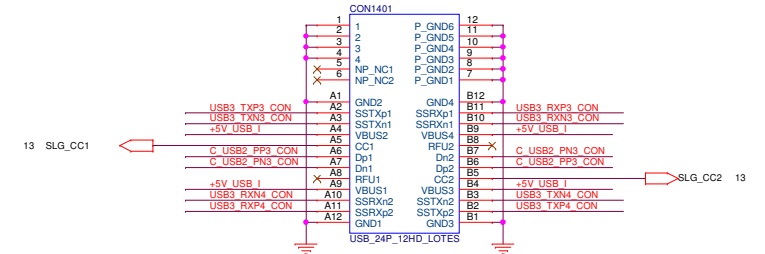
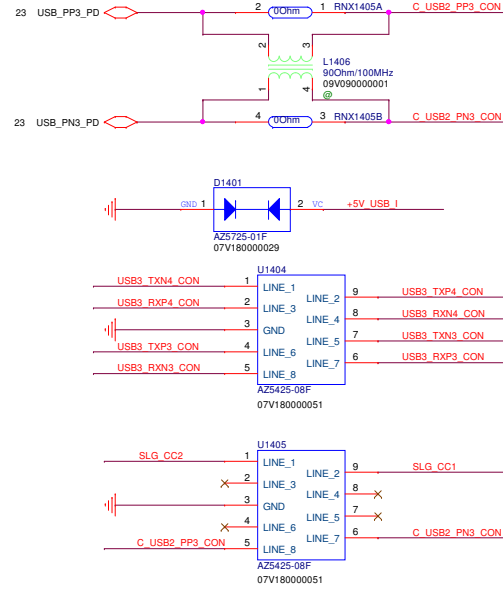
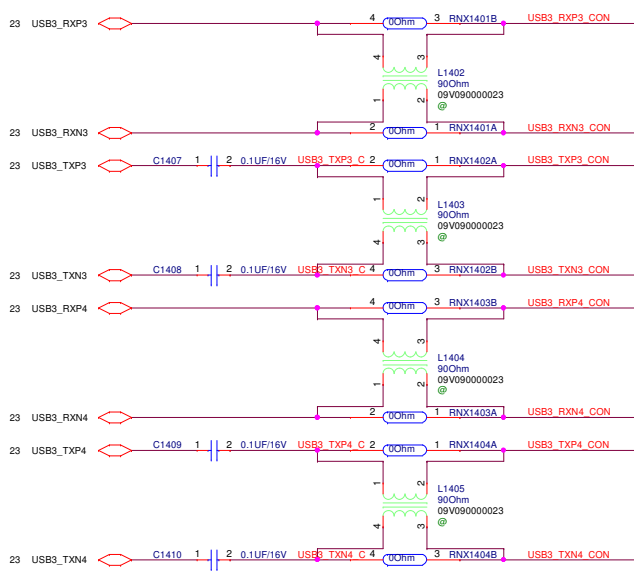


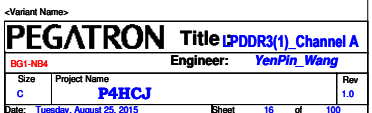




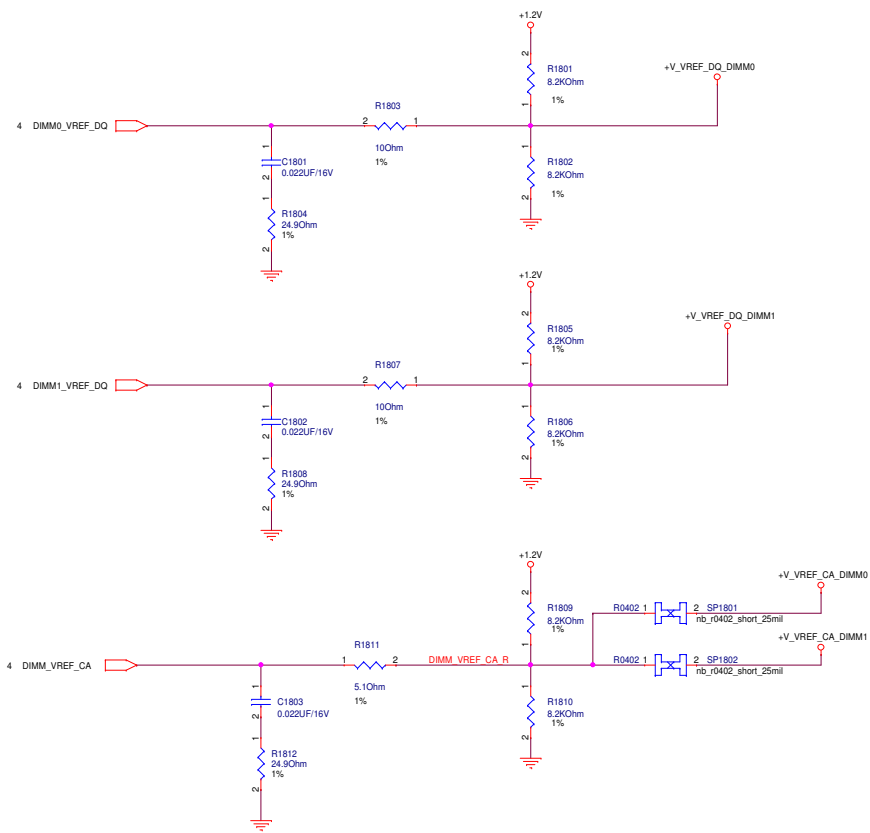


PEGATRON Title : Type-C(CC) <small>PEGATRON PROPRIETARY AND CONFIDENTIAL</small>		
BG1-HW RD Div 2-HW RD Dept.3 Engineer: BG1/NB3		
Size B	Project Name P4HCJ	Rev 1.0
Date: Tuesday, August 25, 2015 Sheet 13 of 100		

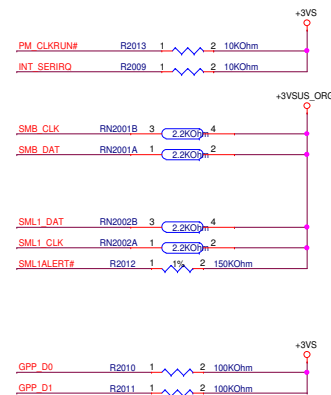
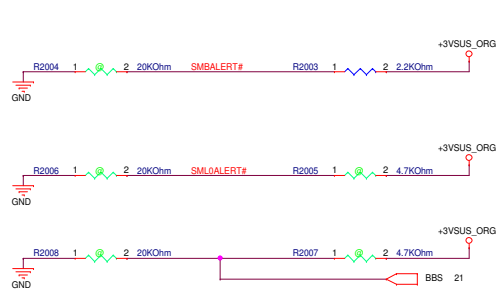
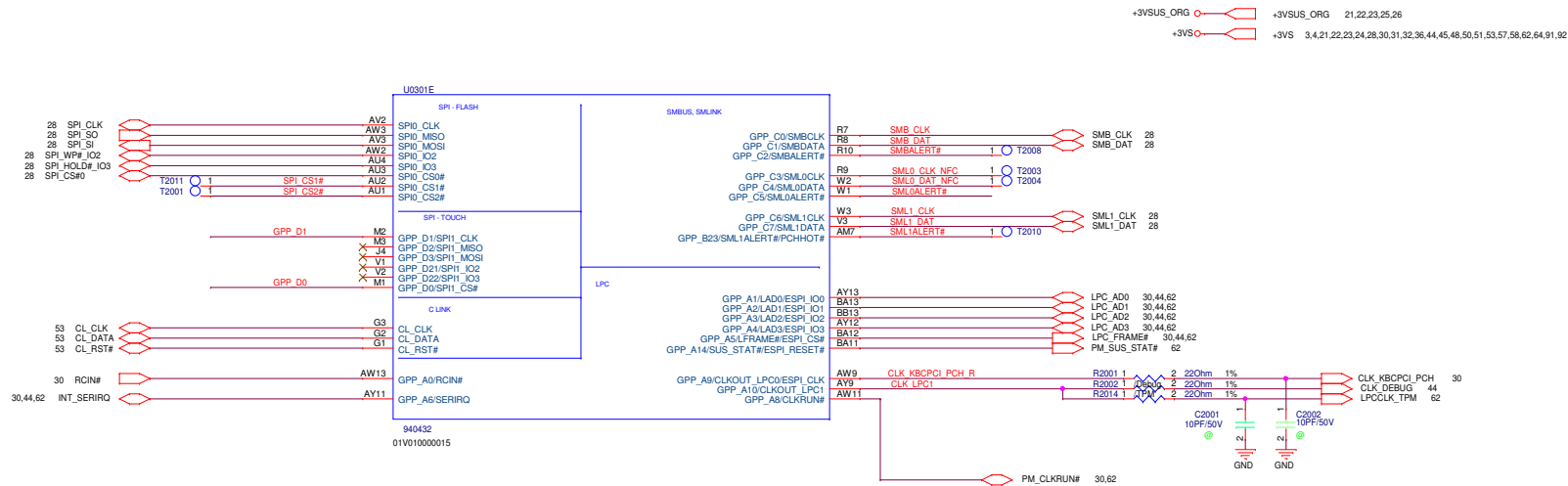


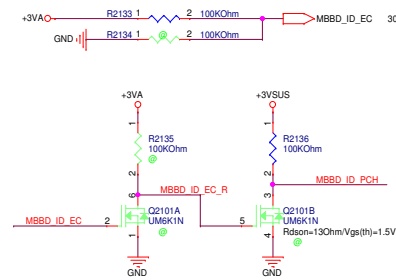
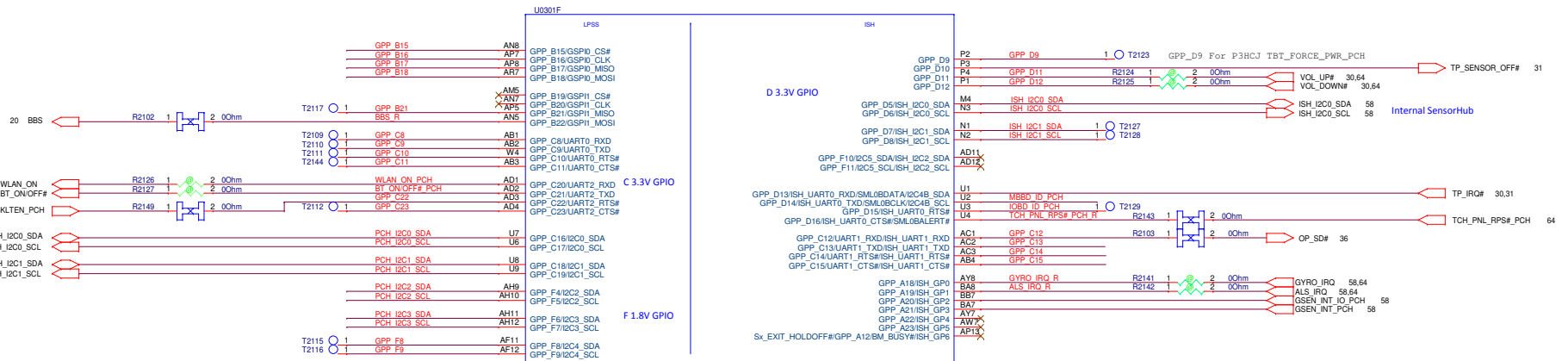


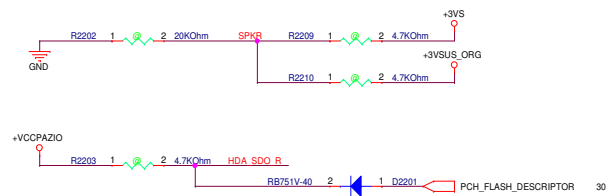
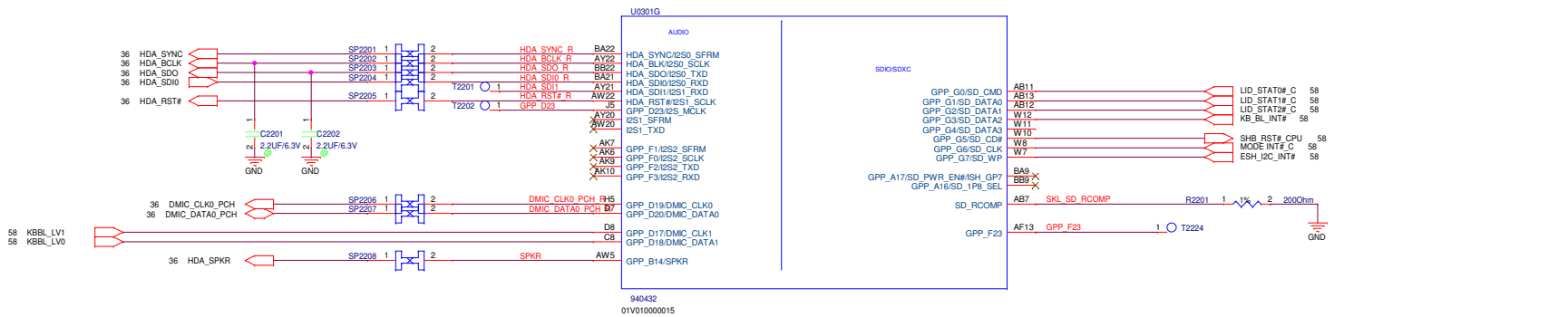




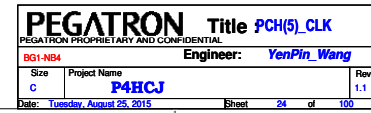
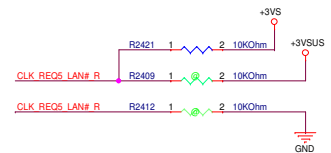
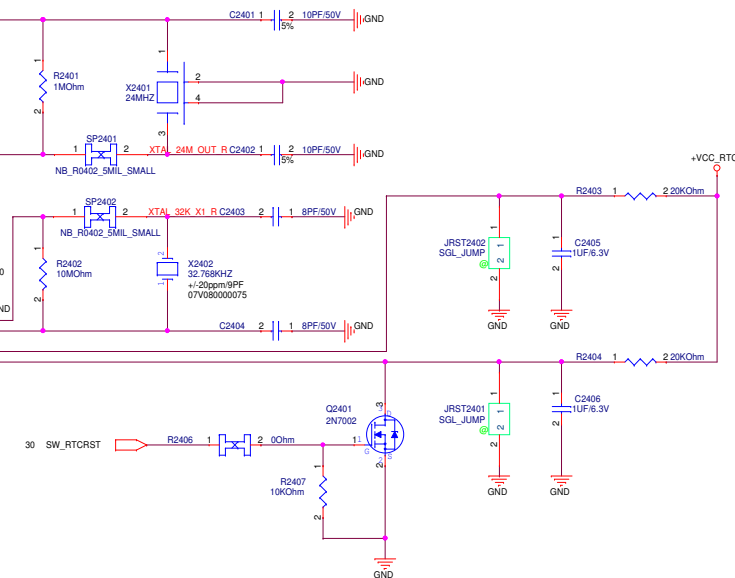
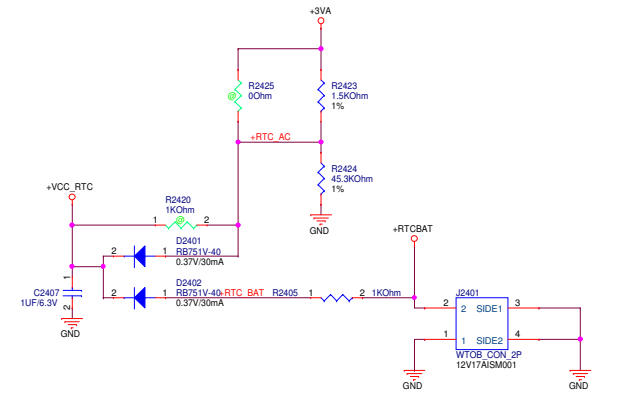
+V_VREF_DQ_DIMM0 16
 +V_VREF_CA_DIMM0 16
 +V_VREF_DQ_DIMM1 17
 +V_VREF_CA_DIMM1 17

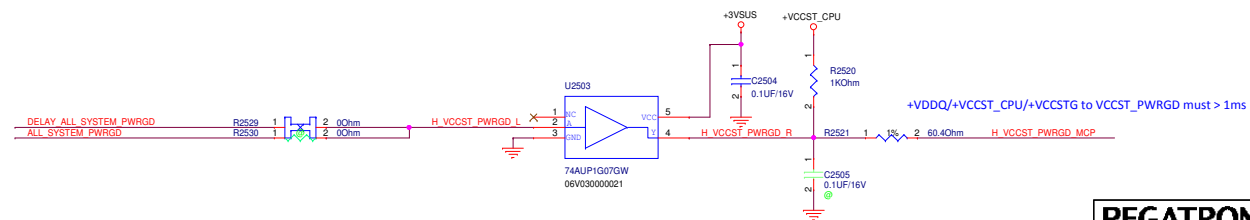
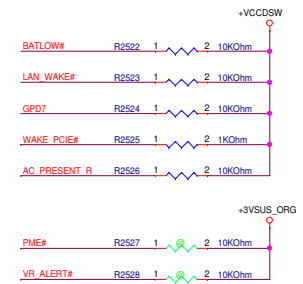
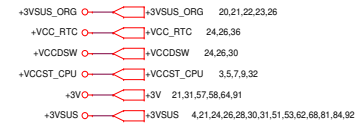




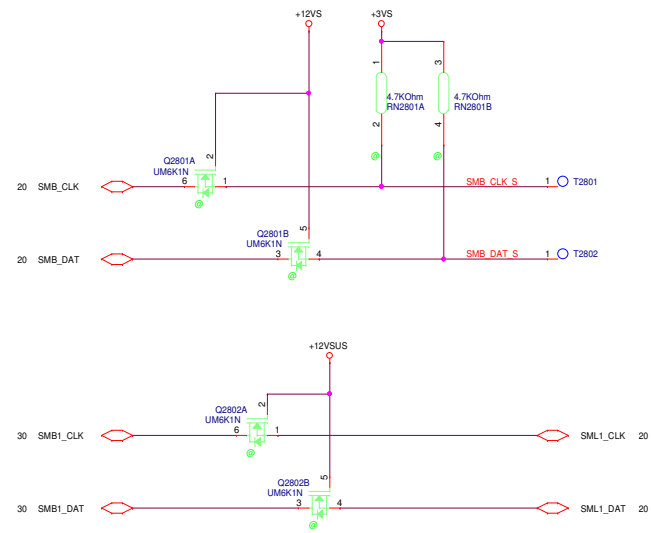
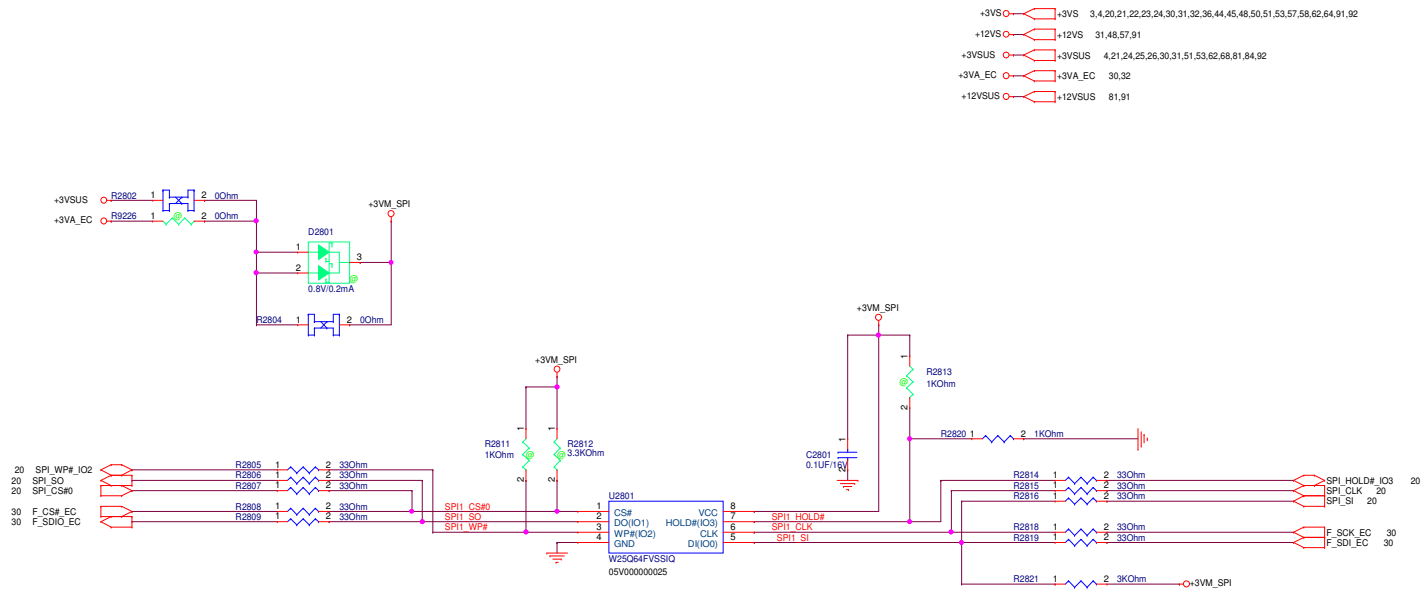


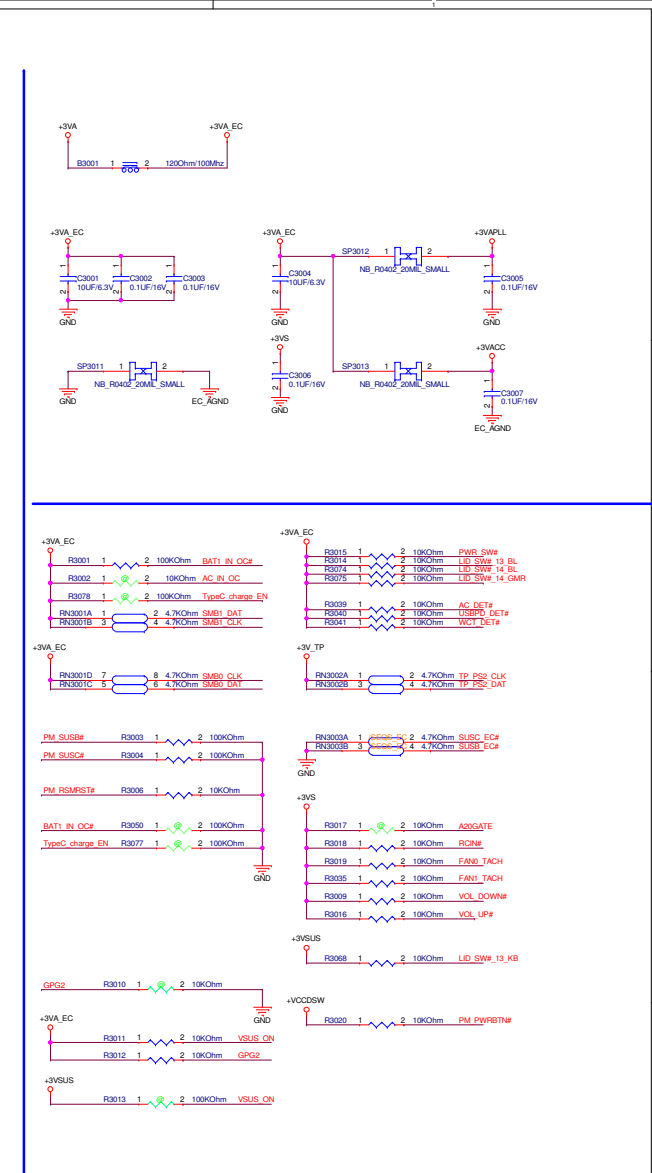




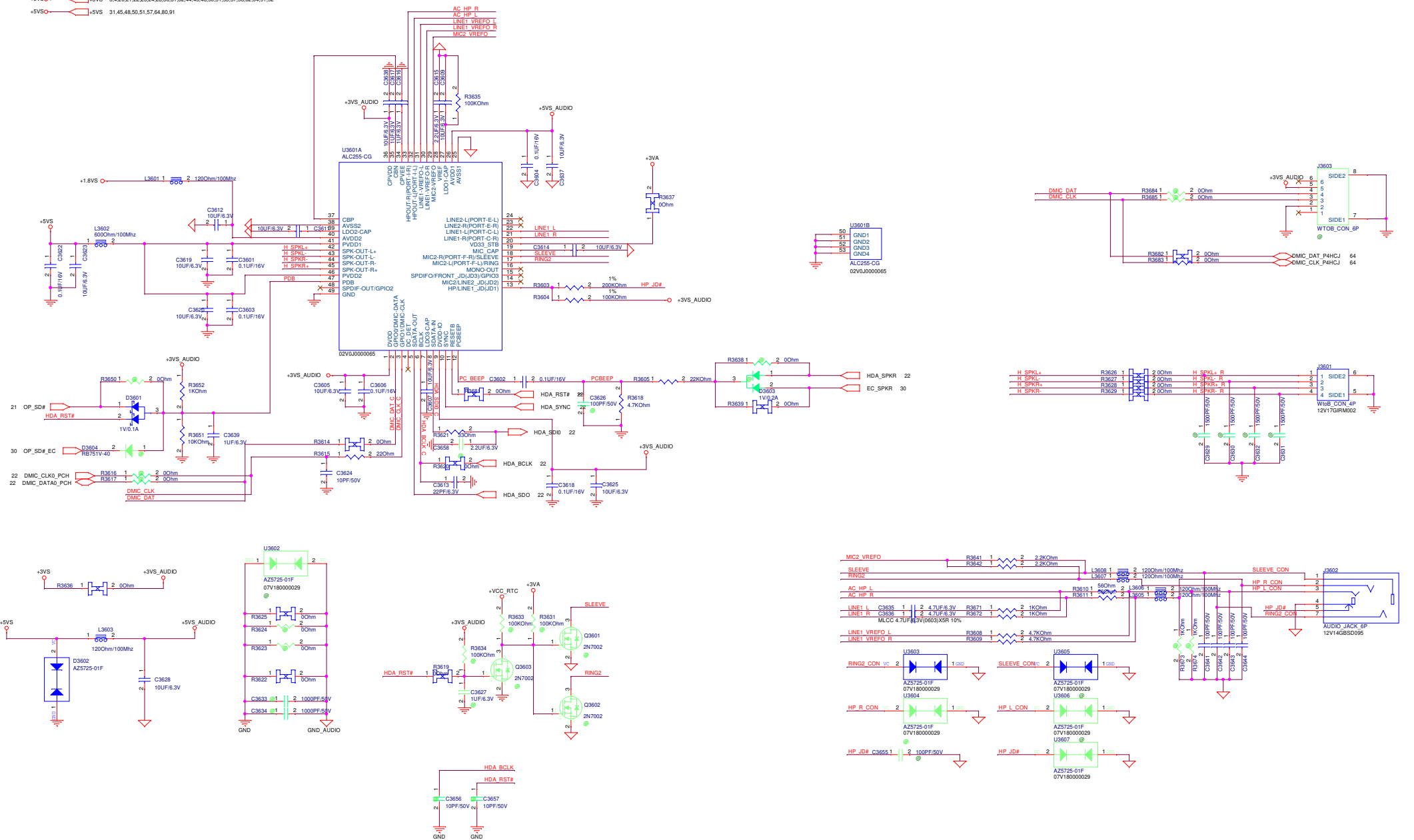






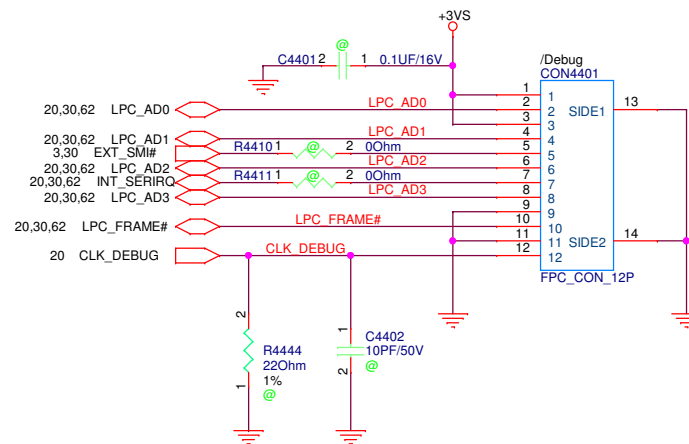


+1.8VS 21.57.91
+3VS 3.4,20.21,22,23,24,28,30,31,32,44,45,48,50,51,53,57,58,62,64,91,92
+5VS 31,45,48,50,51,57,64,80,91

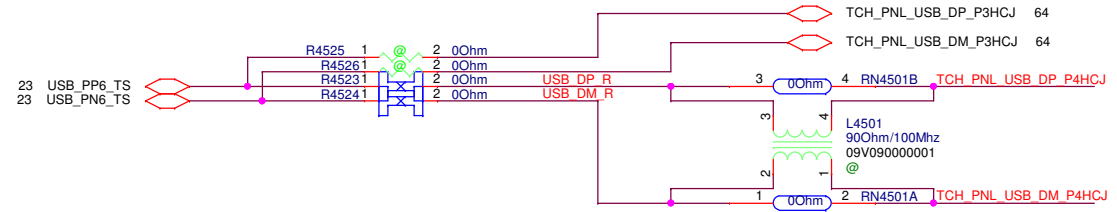
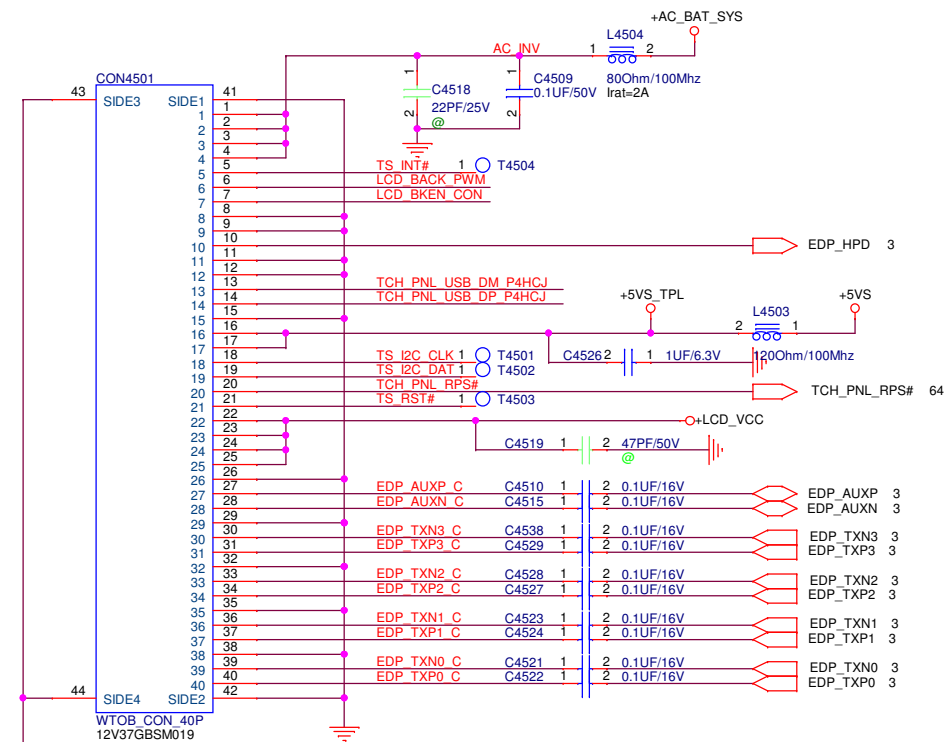




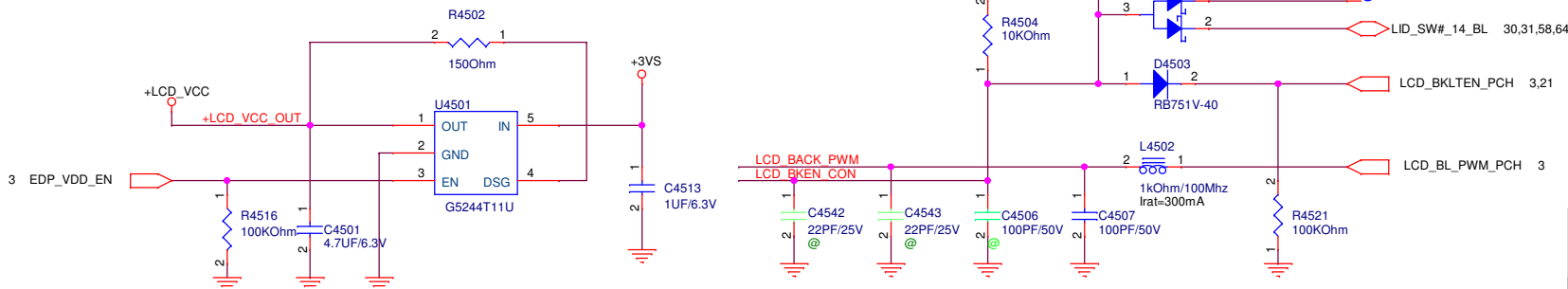
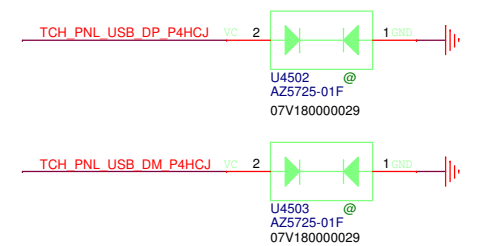
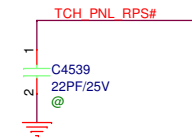
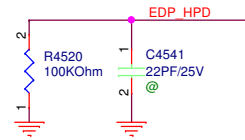




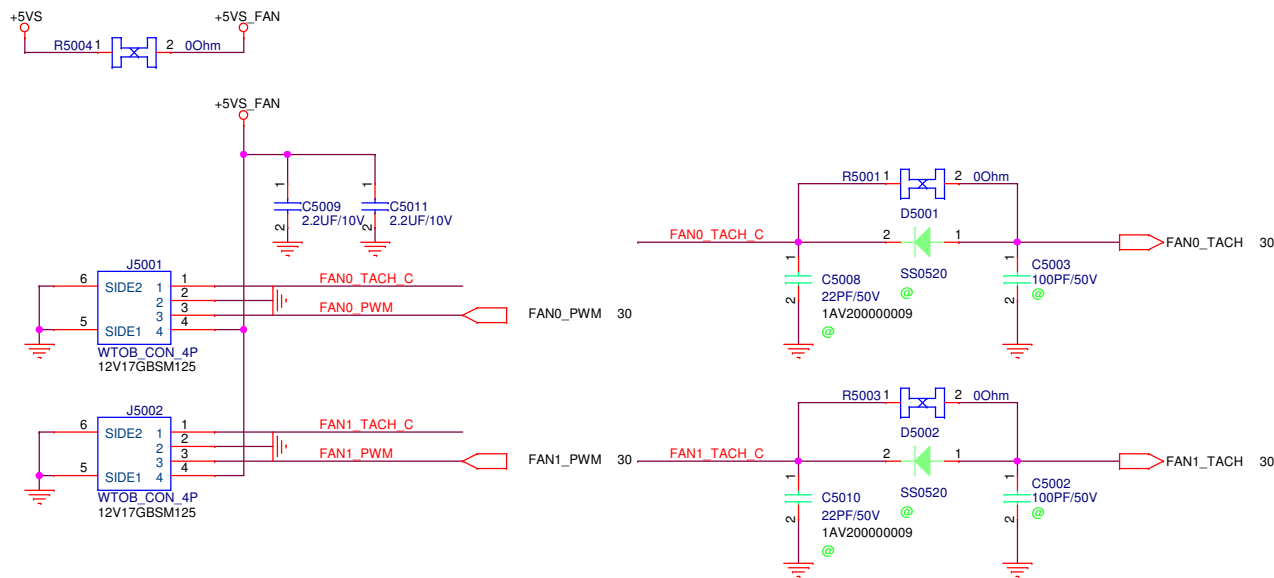
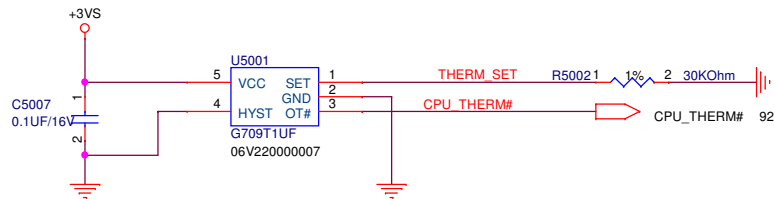
PEGATRON		Title : DEBUG CONN.	
PEGATRON PROPRIETARY AND CONFIDENTIAL			
BG1-NB4		Engineer: YenPin_Wang	
Size B	Project Name P4HCJ		Rev 1.1
Date: Tuesday, August 25, 2015		Sheet 44 of 100	



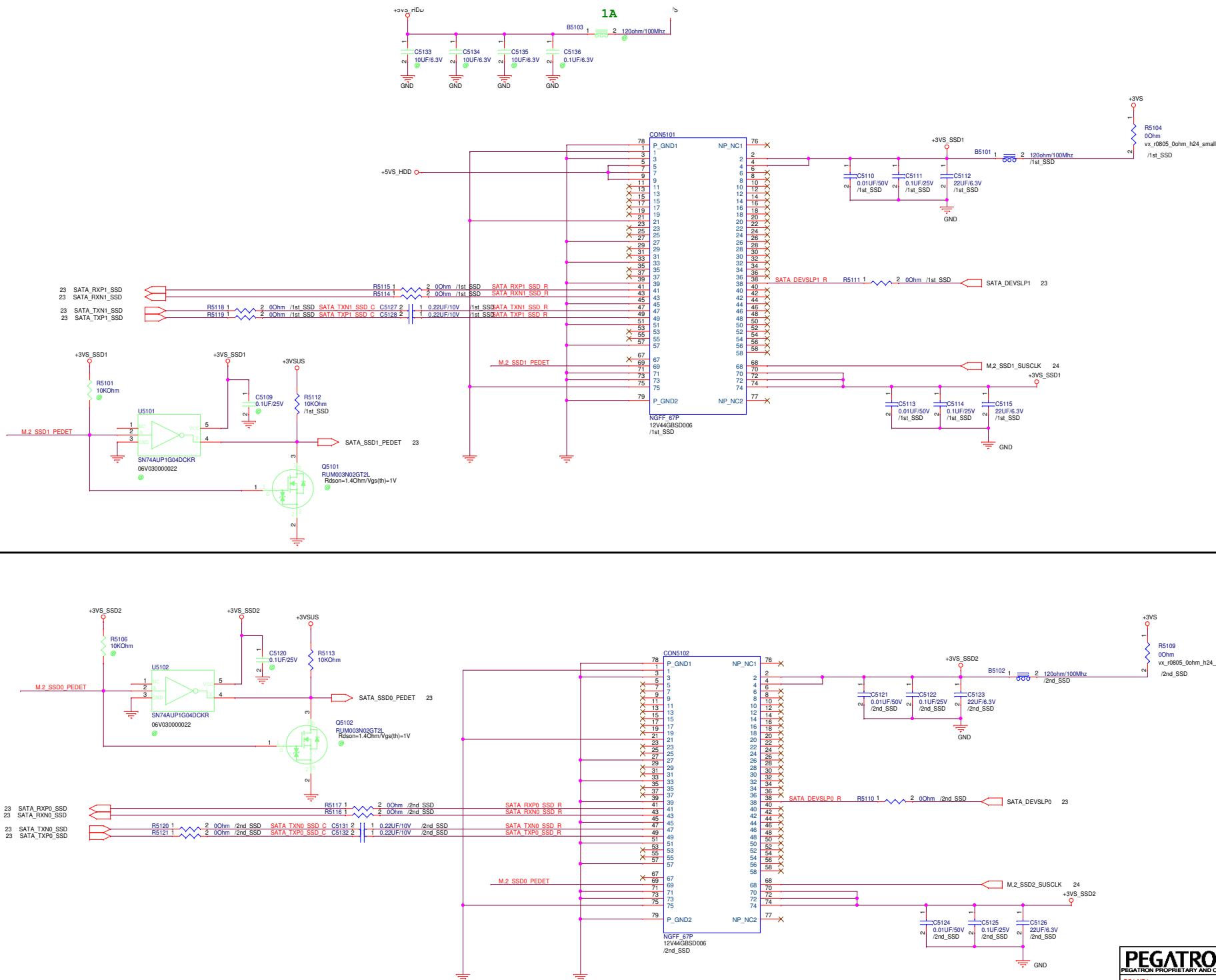
+3VS 3,4,20,21,22,23,24,28,30,31,32,36,44,48,50,51,53,57,58,62,64,91,92
+5VS 31,36,48,50,51,57,64,80,91
+AC_BAT_SYS 80,81,82,83,88



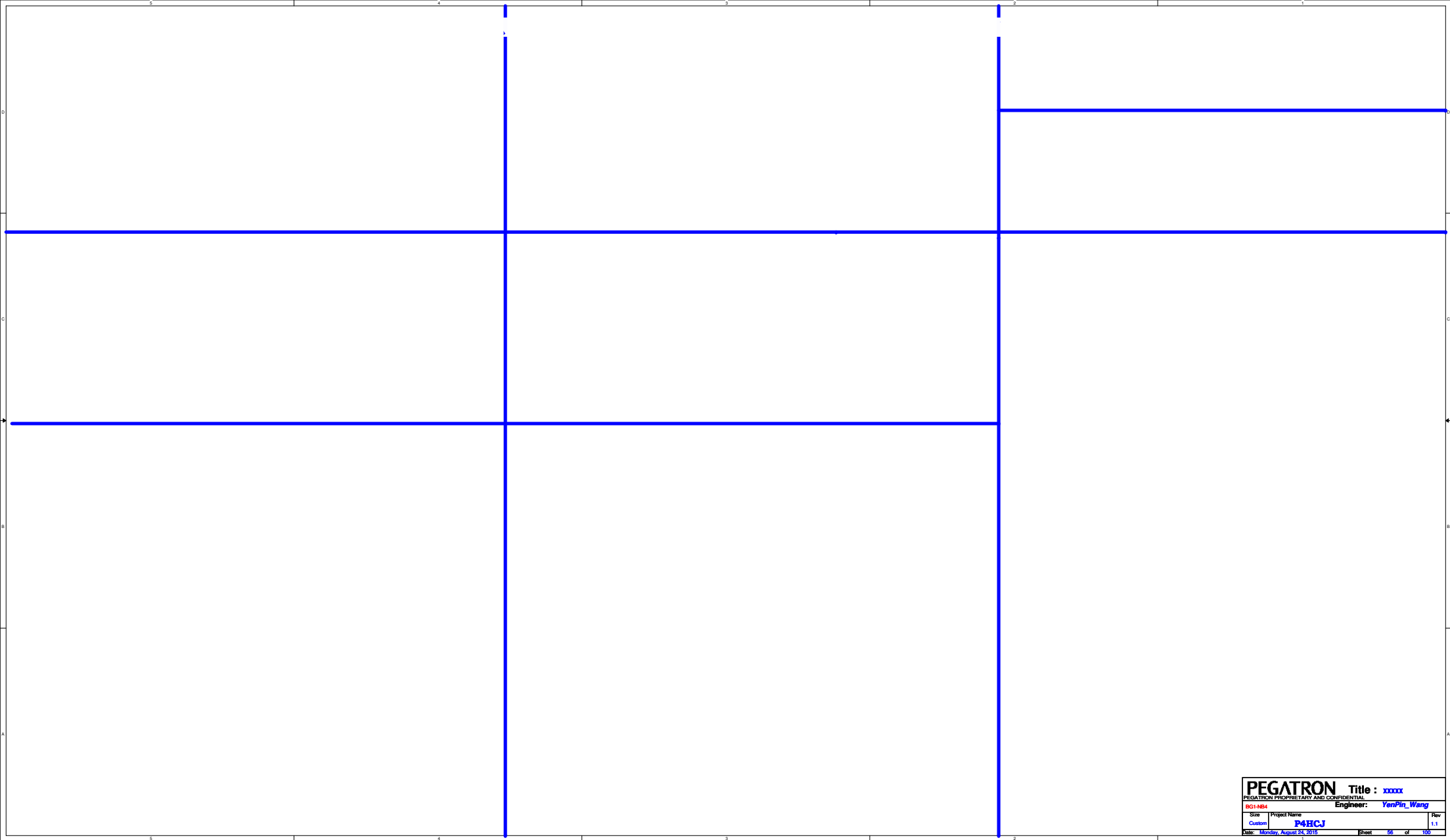
PEGATRON		Title : EDP & Touch	
BG1-NB4		Engineer: <i>YenPin_Wang</i>	
Size B	Project Name P4HCJ		Rev 1.0
Date: Tuesday, August 25, 2015		Sheet 45	of 100

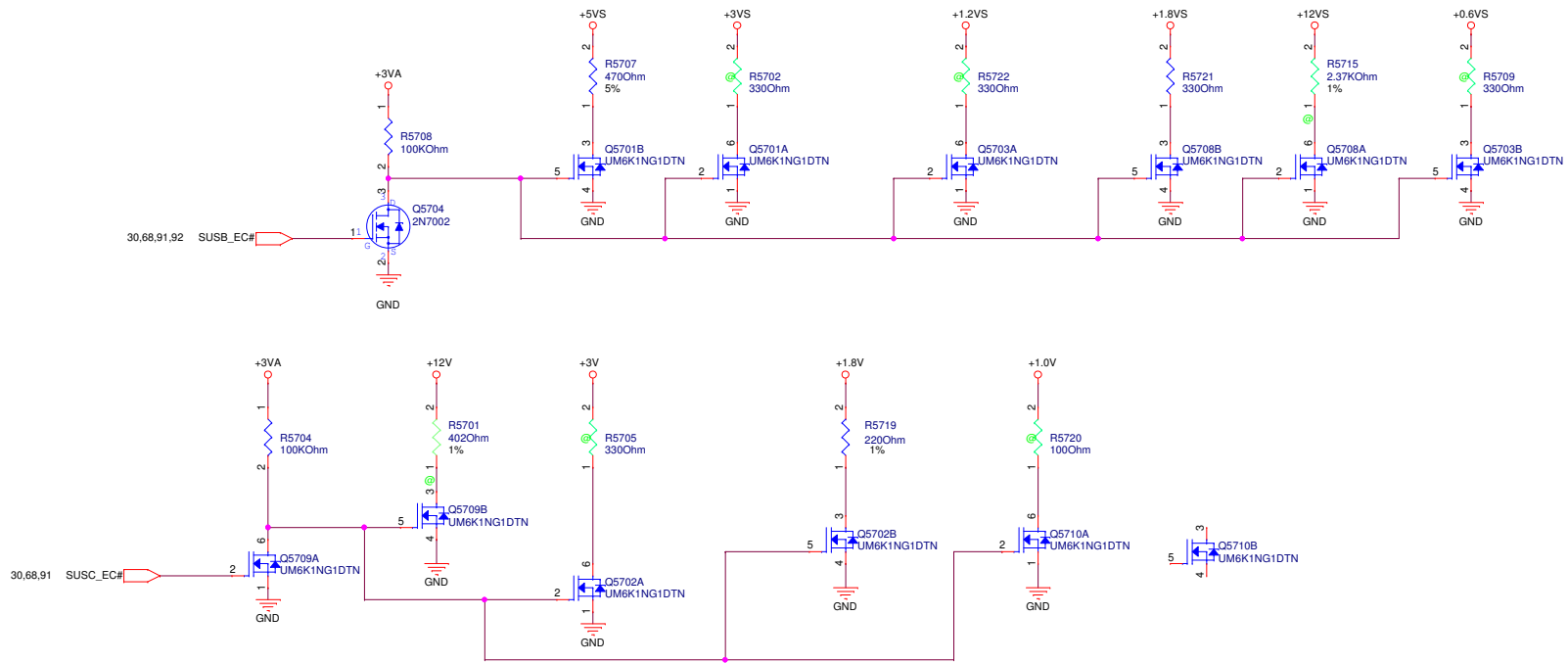


PEGATRON		Title : Thermal/Fan	
BG1-NB4		Engineer: YenPin_Wang	
Size B	Project Name P4HCJ		Rev 1.0
Date: Tuesday, August 25, 2015		Sheet 50 of 100	

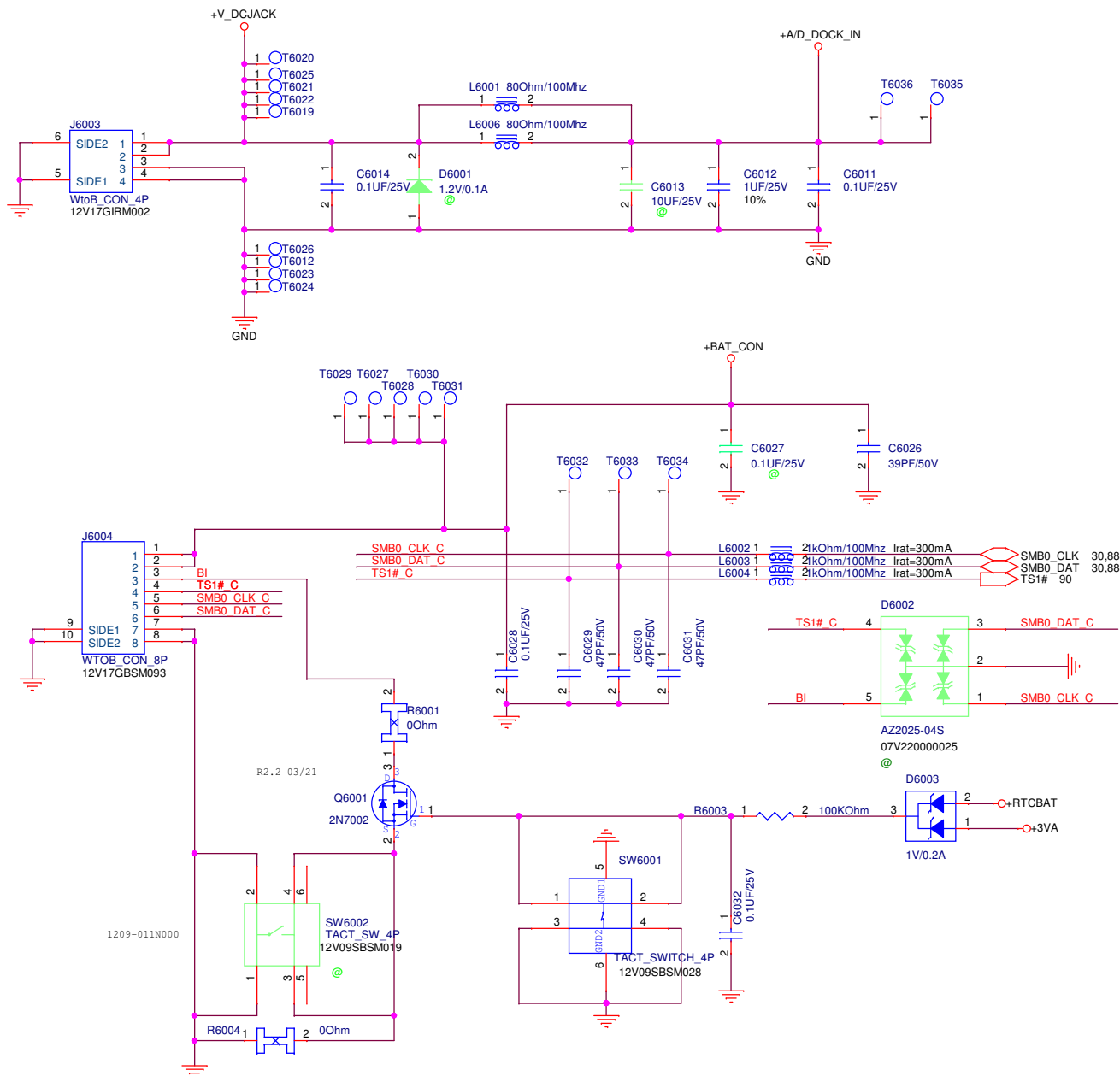






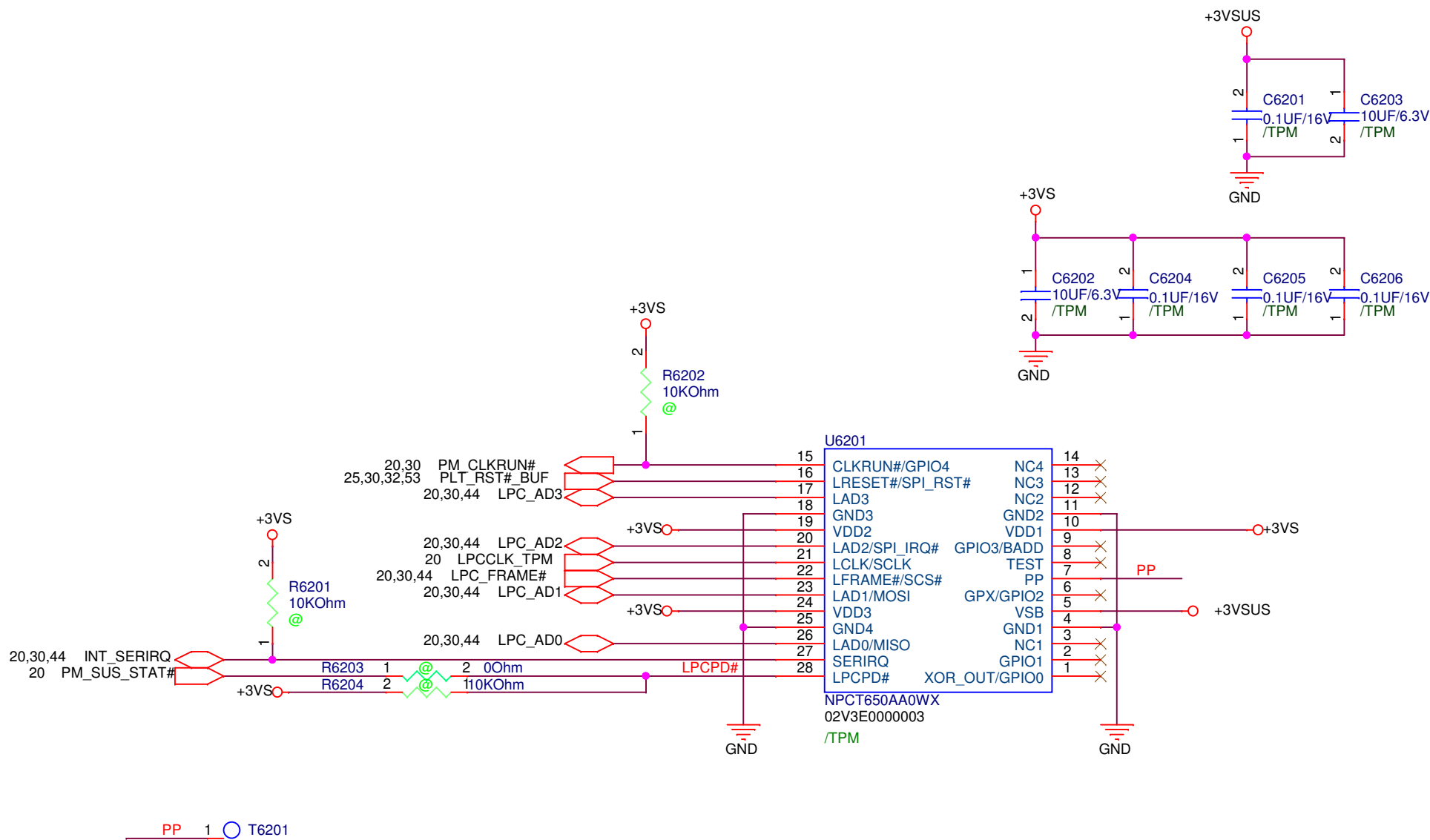


PEGATRON		Title : DISCHARGE	
PEGATRON PROPRIETARY AND CONFIDENTIAL			
BG1-NB4		Engineer: YenPin_Wang	
Size	Project Name		Rev
Custom	P4HCJ		1.1
Date: Tuesday, August 25, 2015		Sheet	57 of 100

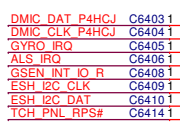
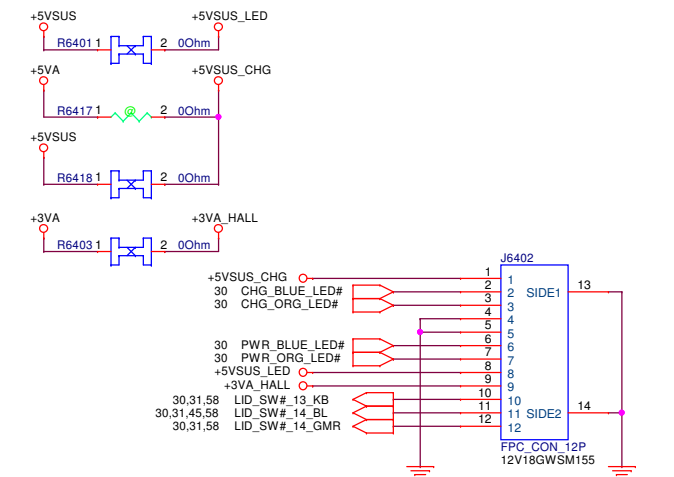
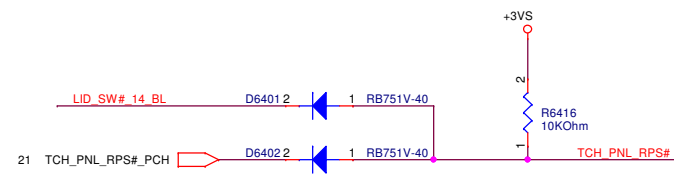
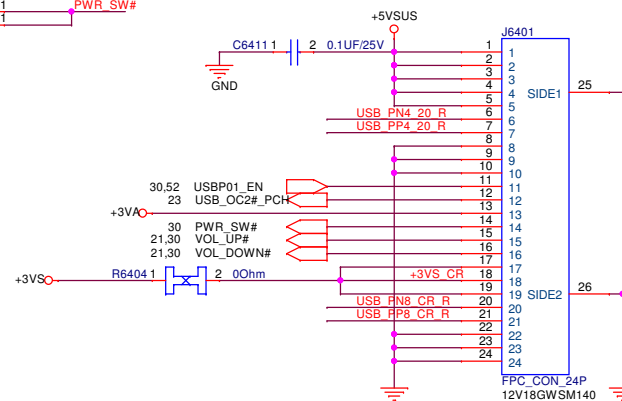


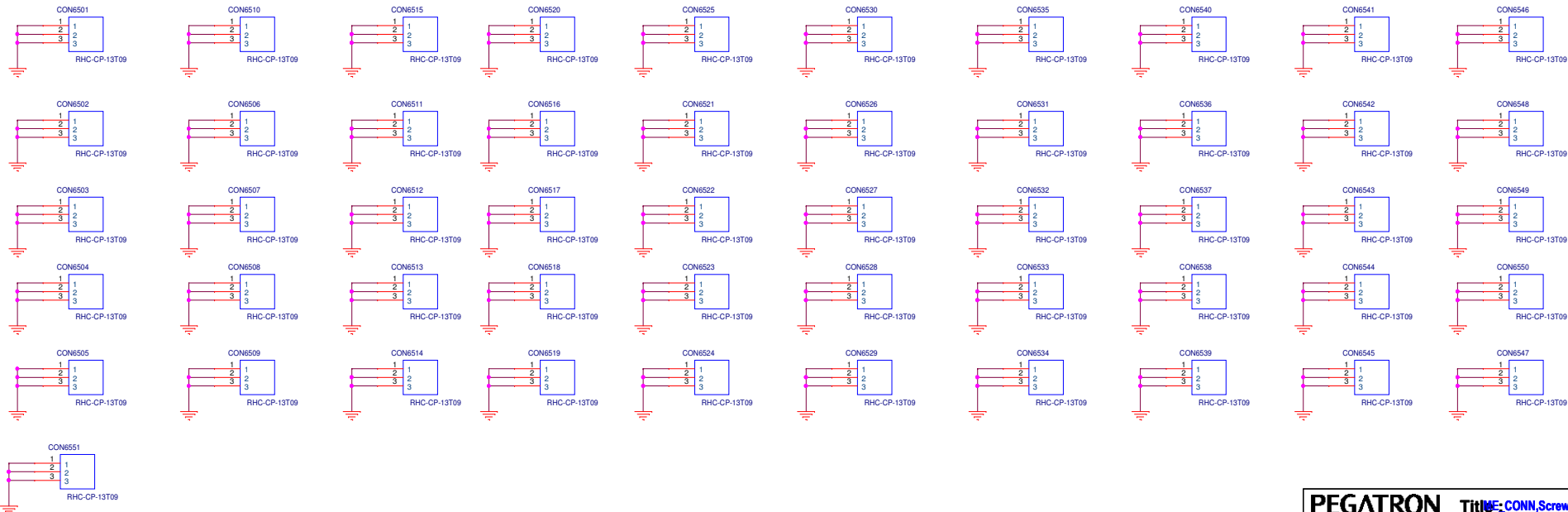
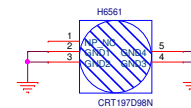
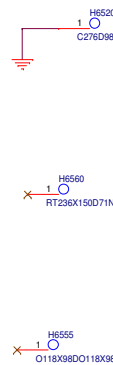
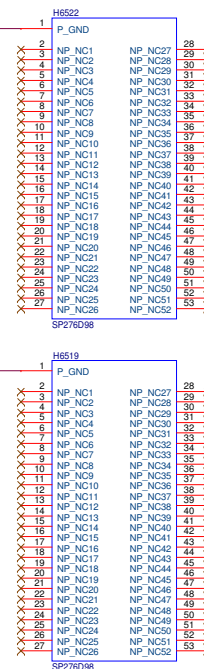
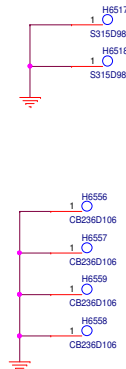
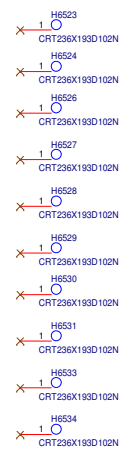
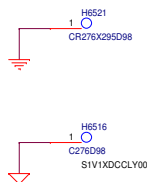
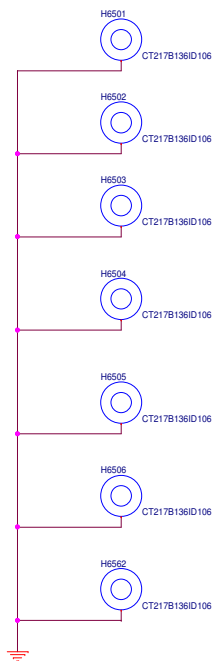
+VCC_nTC	+VCC_RTC	24,25,26,36
+3VA_EC	+3VA_EC	28,30,32
+3VA	+3VA	21,24,30,31,36,53,57,64,81,88,93
+5VA	+5VA	64,81
+1.0VSUS	+1.0VSUS	26,82
+1.8VSUS	+1.8VSUS	9,26,84
+3VSUS	+3VSUS	4,21,24,25,26,28,30,31,51,53,62,68,81,84,92
+5VSUS	+5VSUS	13,52,64,81,84
+12VSUS	+12VSUS	28,81,91
+3V	+3V	21,25,31,57,58,64,91
+12V	+12V	57,91
+1.8VS	+1.8VS	21,36,57,91
+3VS	+3VS	3,4,20,21,22,23,24,28,30,31,32,36,44,45,48,50,51,53,57,58,62,64,91,92
+5VS	+5VS	31,36,45,48,50,51,57,64,80,91
+12VS	+12VS	28,31,48,57,91
+AC_BAT_SYS	+AC_BAT_SYS	45,80,81,82,83,88
+A/D_DOCK_IN	+A/D_DOCK_IN	88
+BAT_CON	+BAT_CON	88
+VCCORE	+VCCORE	5,80
+VCCGT	+VCCGT	6,80
+VCCSA	+VCCSA	7,80
+VCCIO	+VCCIO	3,7,9,91
+RTCBAT	+RTCBAT	24

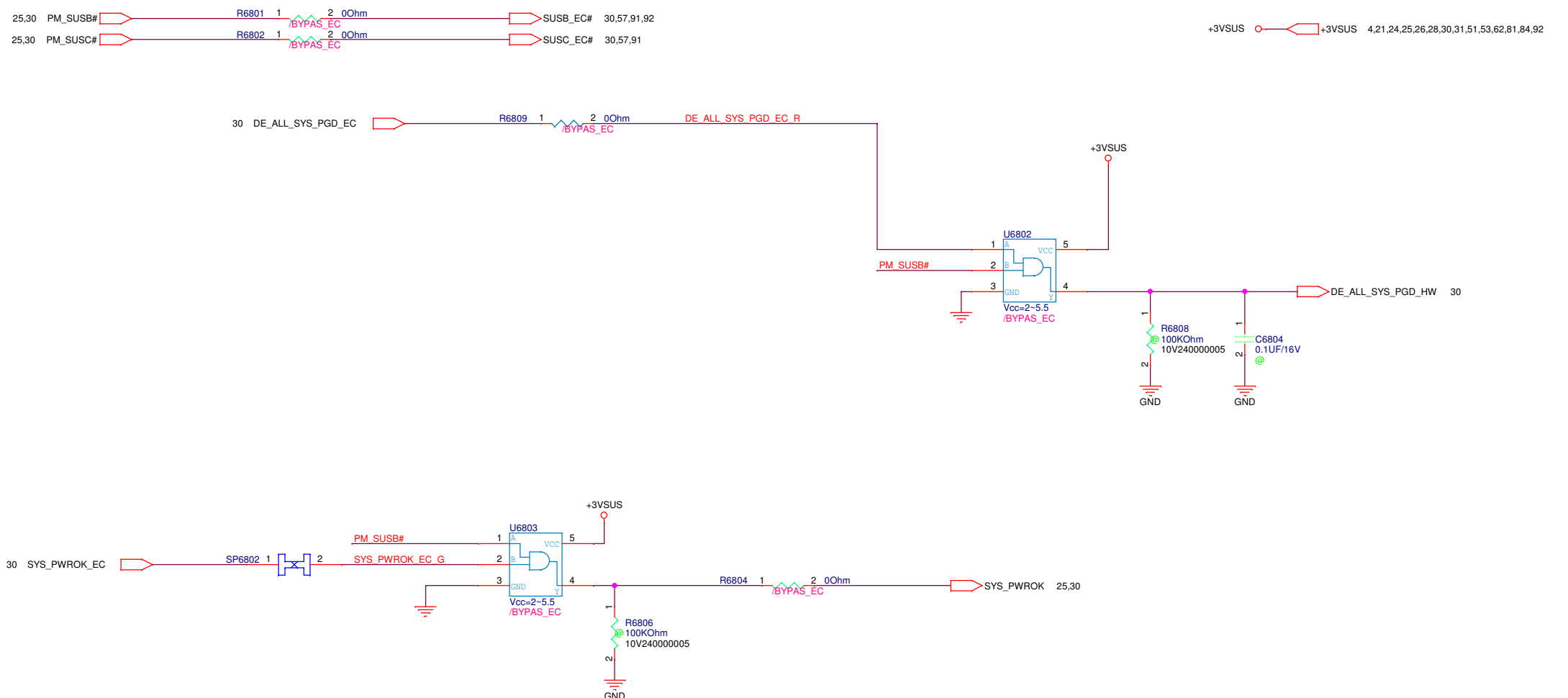
PEGATRON		Title : DC_DC/BAT CONN	
BG1-NB4		Engineer: YenPin_Wang	
Size B	Project Name P4HCJ	Rev 1.0	
Date: Tuesday, August 25, 2015		Sheet 60	of 100

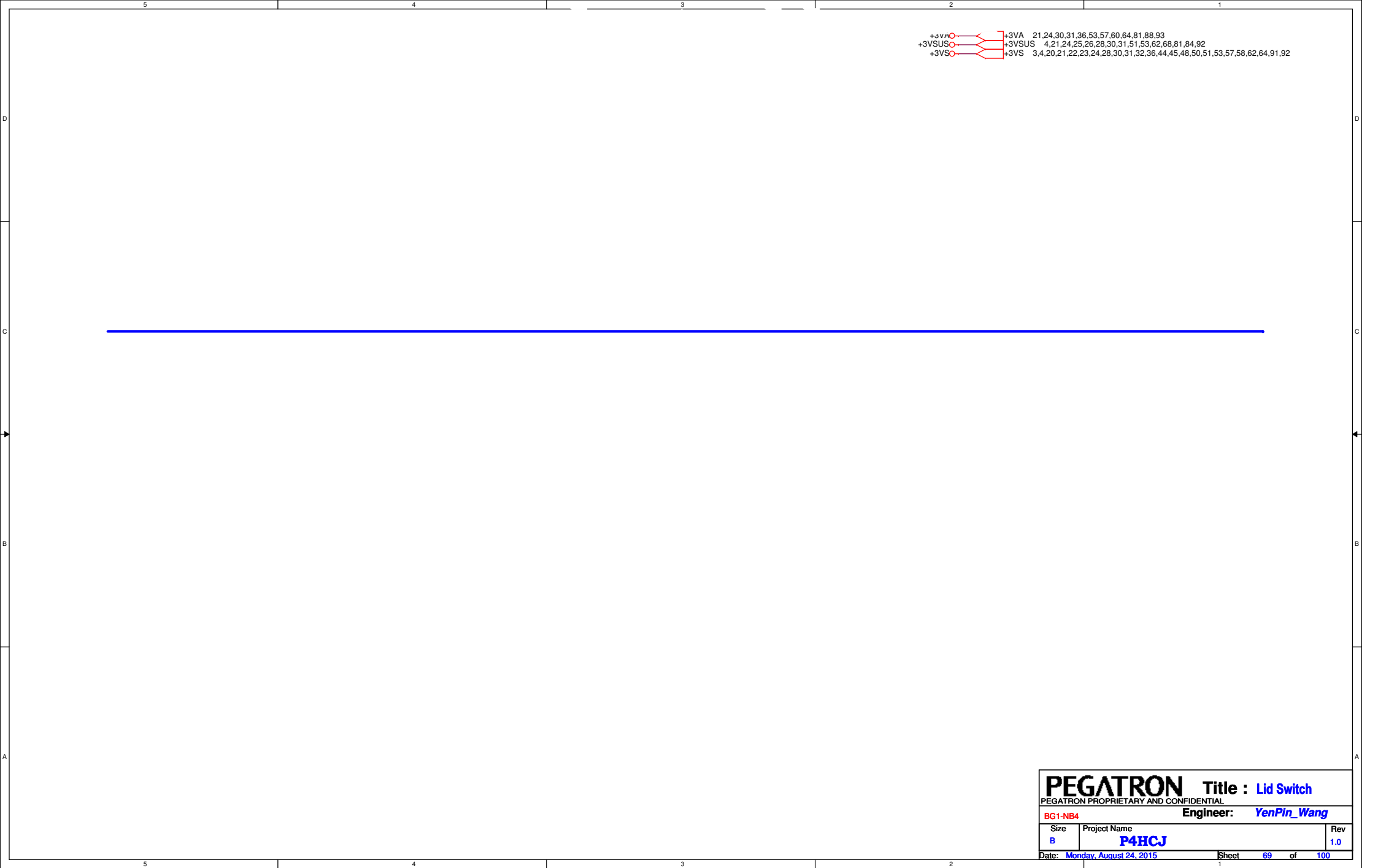


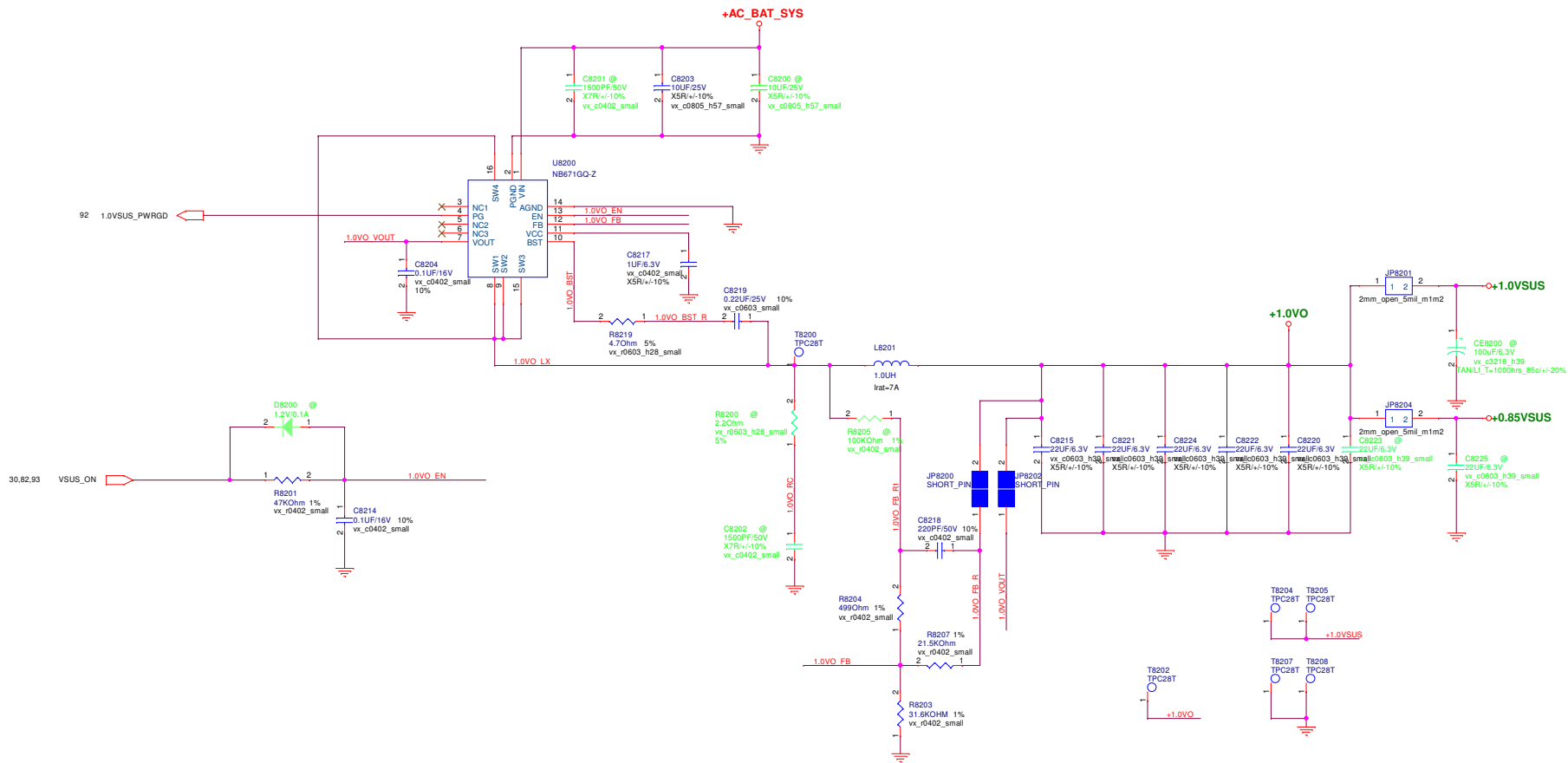
PEGATRON		Title : TPM	
BG1-NB4		Engineer: <i>YenPin_Wang</i>	
Size	Project Name		Rev
A	P4HCJ		1.0
Date: Tuesday, August 25, 2015		Sheet 62 of 100	



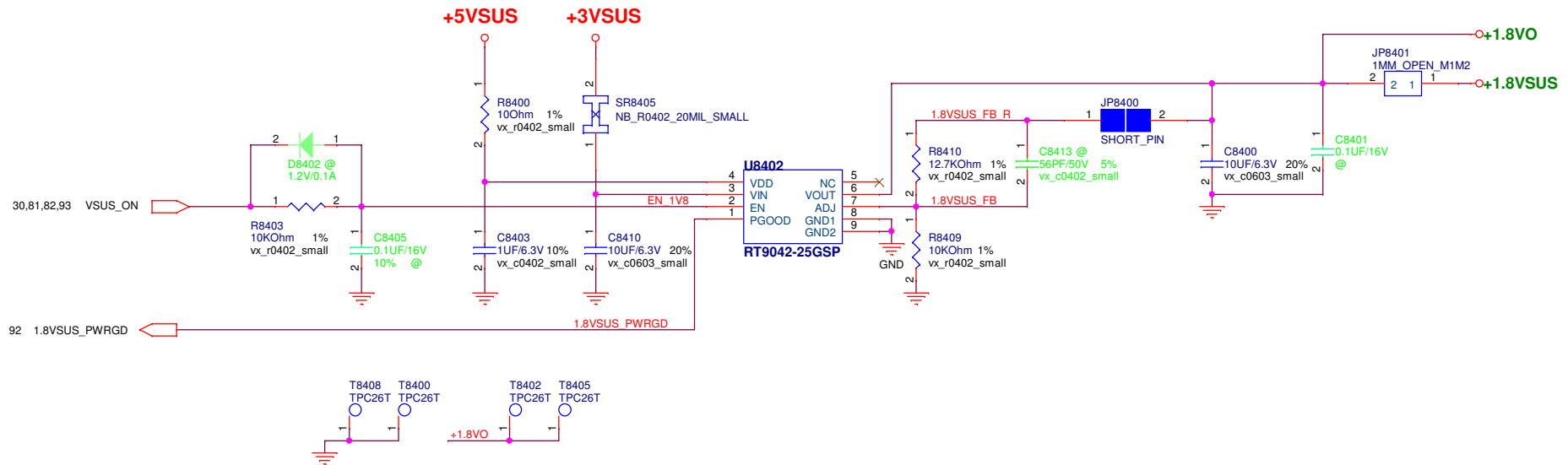






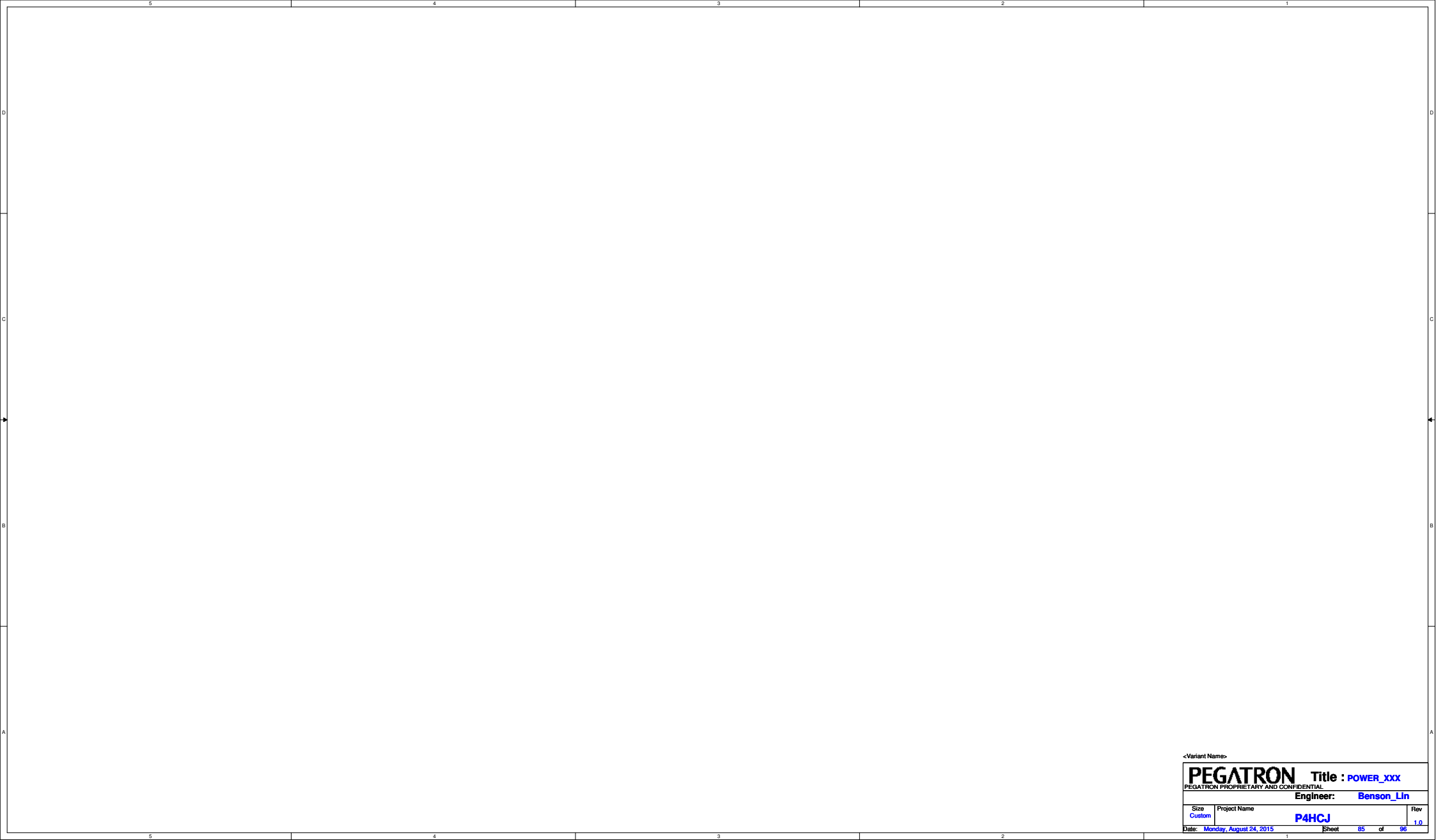




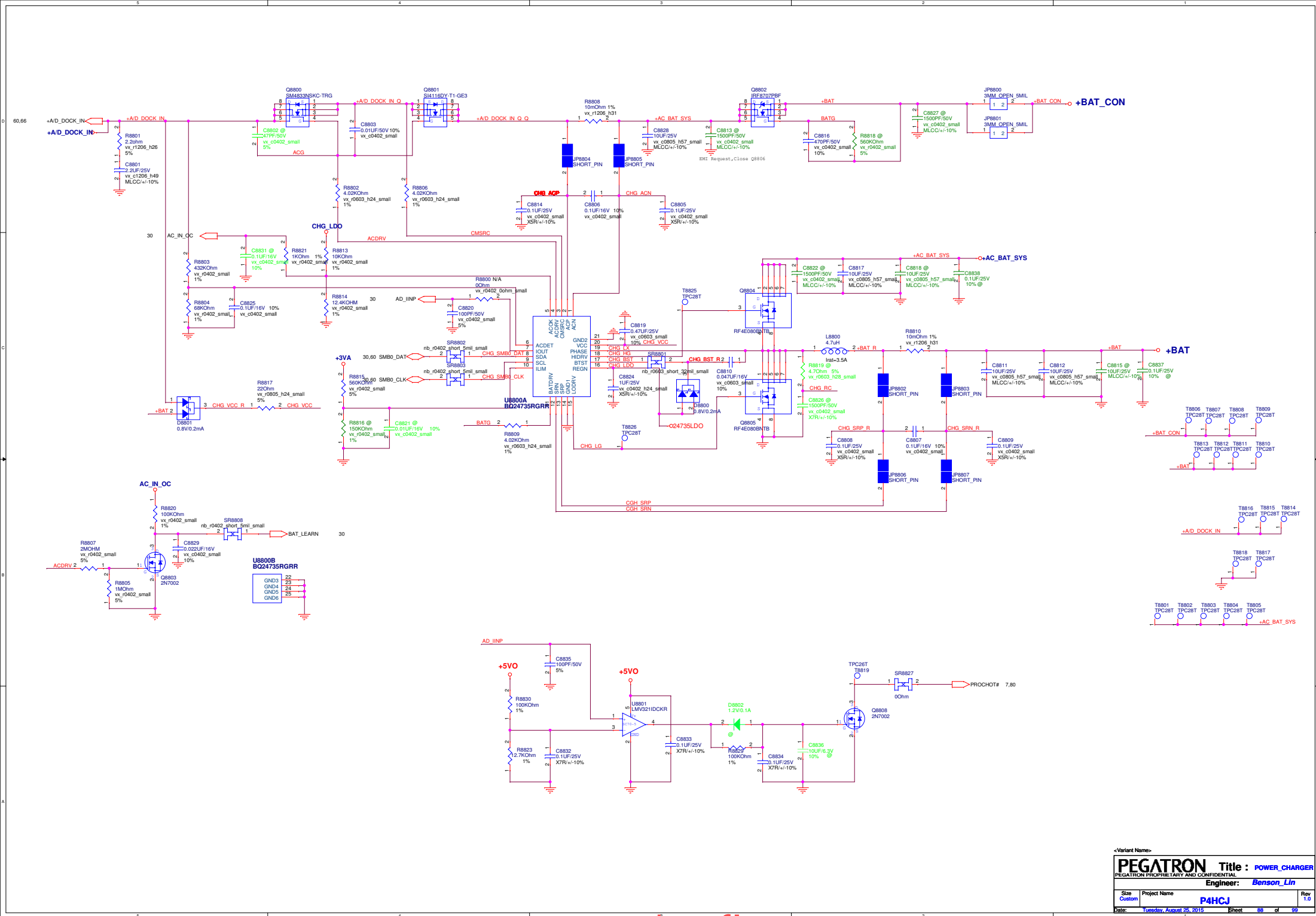


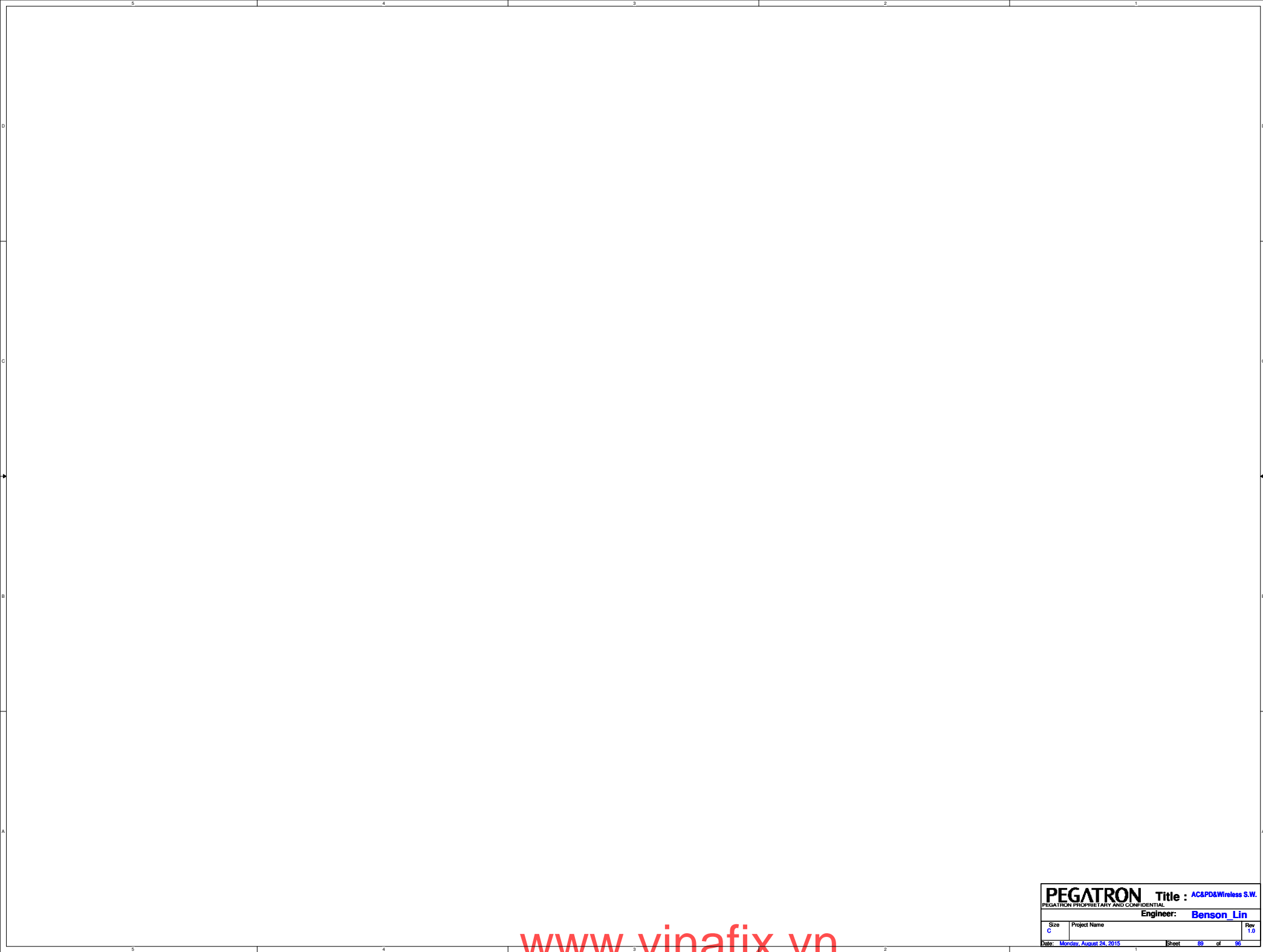
<Variant Name>

PEGATRON		Title : PAGE 84 POWER	
PEGATRON PROPRIETARY AND CONFIDENTIAL			
		Engineer: Benson_Lin	
Size B	Project Name P4HCJ		Rev 1.0
Date: Tuesday, August 25, 2015		Sheet 84 of 96	



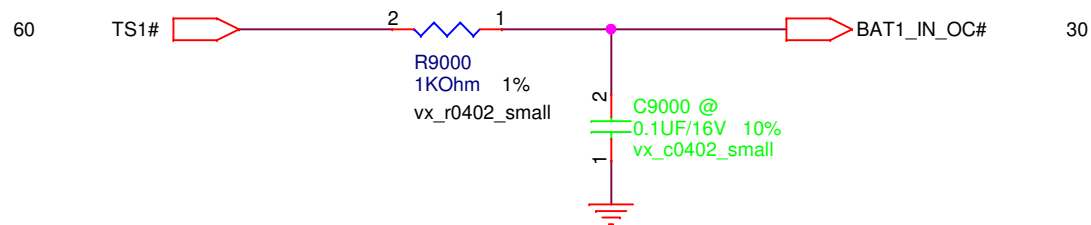
	A	B	C	D	E			
1								
2								
3								
4								
5					<div><Variant Name><div><div>PEGATRON</div><div>Title : POWER_XXX</div></div><div>PEGATRON PROPRIETARY AND CONFIDENTIAL</div><div>Engineer: Benson_Lin</div><table><tr><td>Size Custom</td><td>Project Name P4HCJ</td><td>Rev 1.0</td></tr></table><div>Date: Monday, August 24, 2015</div><div>Sheet 86 of 96</div></div>	Size Custom	Project Name P4HCJ	Rev 1.0
Size Custom	Project Name P4HCJ	Rev 1.0						
	A	B	C	D	E			





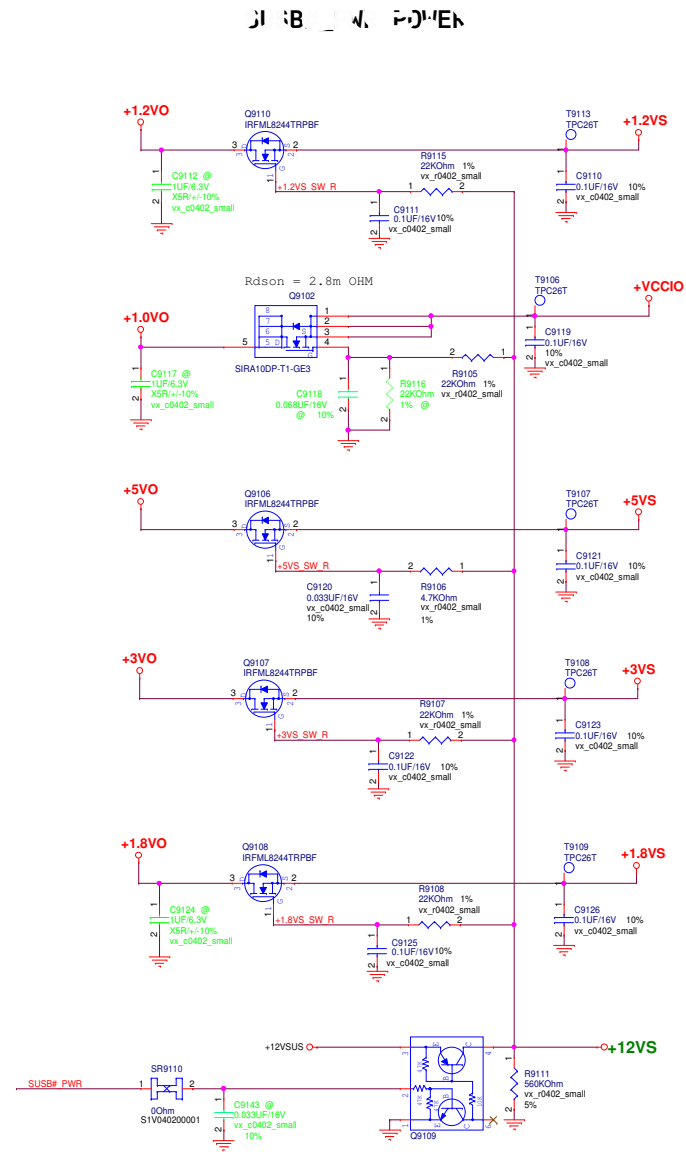
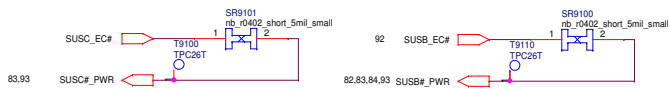
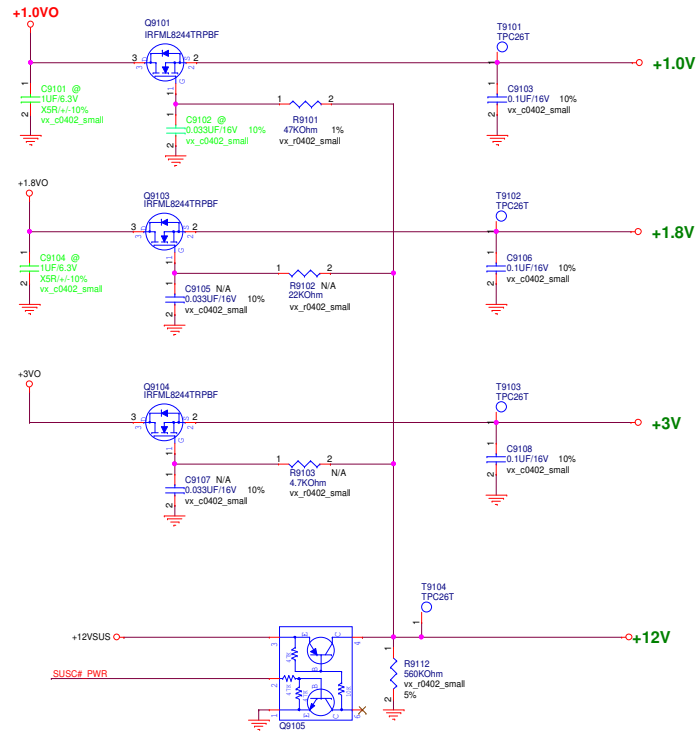
www.vinafix.vn

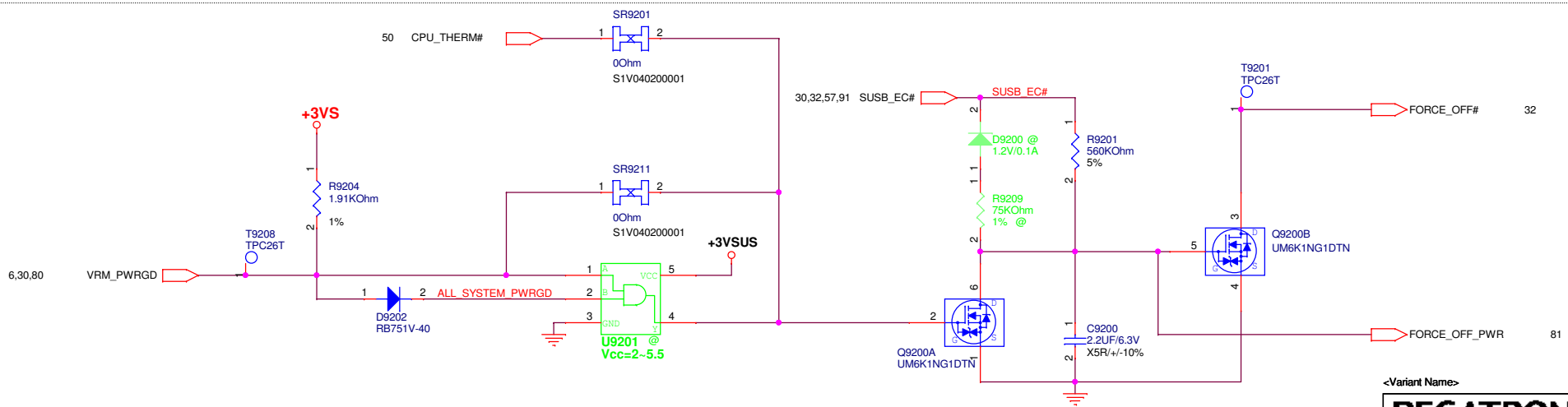
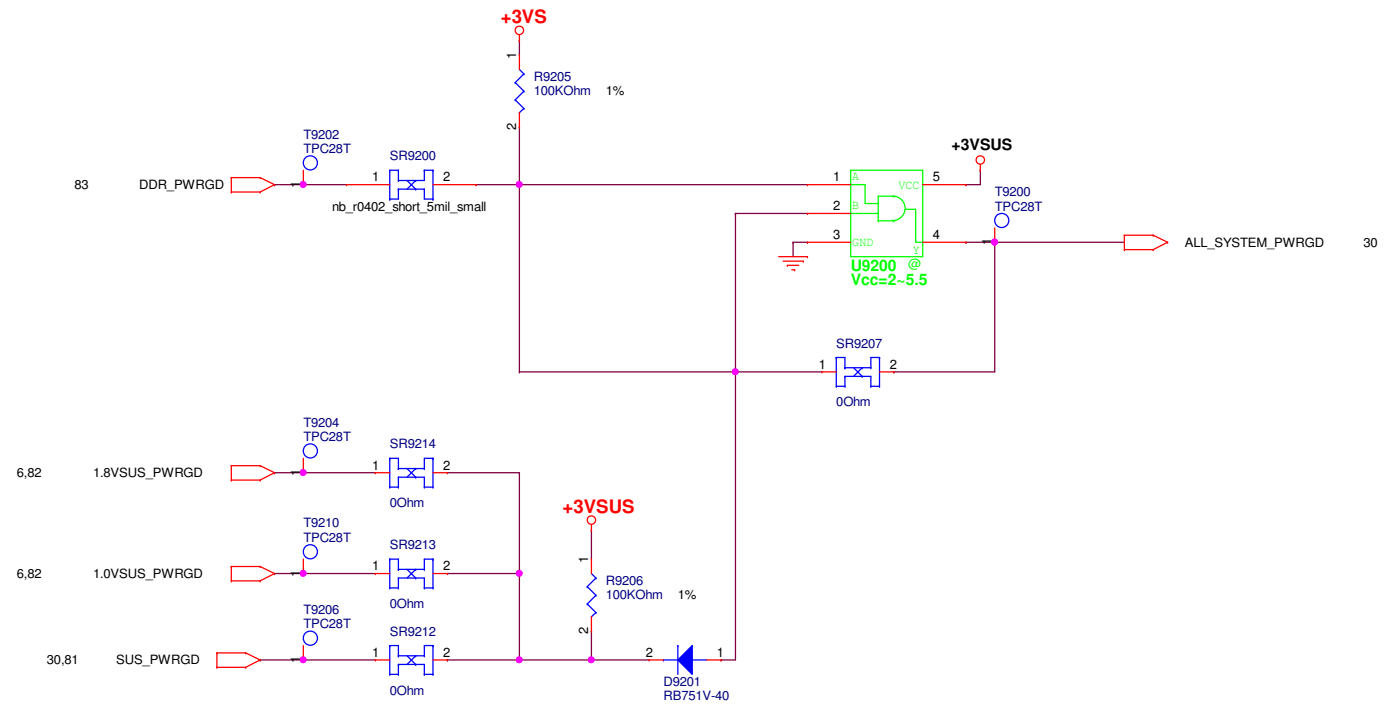
PEGATRON		Title : AC&PD&Wireless S.W.	
<small>PEGATRON PROPRIETARY AND CONFIDENTIAL</small>			
		Engineer: Benson Lin	
Size C	Project Name		Rev 1.0
Date: Monday, August 24, 2015		Sheet	89 of 95



<Variant Name>

PEGATRON		Title : POWER_DETECT	
PEGATRON PROPRIETARY AND CONFIDENTIAL			
Engineer:		Benson_Lin	
Size A	Project Name P4HCJ		Rev 1.0
Date: Tuesday, August 25, 2015		Sheet 90 of 96	





<Variant Name>		
PEGATRON Title : POWER_PROTECT		
PEGATRON PROPRIETARY AND CONFIDENTIAL		
Engineer: Benson_Lin		
Size Custom	Project Name P4HCJ	Rev 1.0
Date: Tuesday, August 25, 2015	Sheet 92 of 96	

+A/D_DOCK_IN	→	+A/D_DOCK_IN	60,66,88
+AC_BAT_SYS	→	+AC_BAT_SYS	20,45,80,81,83,87,88
+BAT_CON	→	+BAT_CON	60,88
+BAT	→	+BAT	88
+5VA	→	+5VA	56,66,81
+3VA	→	+3VA	20,26,30,56,57,60,66,81,88
+5VO	→	+5VO	81,83,91
+3VO	→	+3VO	81,82,84,86,91

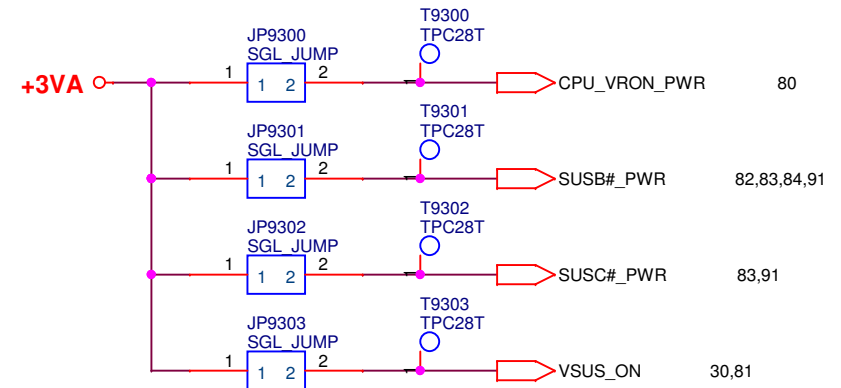
+1.8VO	→	+1.8VO	84
+1.2VO	→	+1.2VO	83,91
+1.0VO	→	+1.0VO	82
+0.6VO	→	+0.6VO	83
+12VSUS	→	+12VSUS	26,81,91
+5VSUS	→	+5VSUS	4,26,52,56,66,81
+3VSUS	→	+3VSUS	22,26,28,30,33,36,53,81,92

+3VO	→	+3V	22,25,44,45,91
------	---	-----	----------------

+1.2V	→	+1.2V	4,6,16,18,83
+12VS	→	+12VS	25,28,31,48,91
+5VS	→	+5VS	30,31,36,48,50,51,56,57,80,87,91
+3VS	→	+3VS	4,6,16,17,20,21,22,23,25,26,28,30,31,33,36,37,40,45,48,50,51,53,57,62,80,91,92

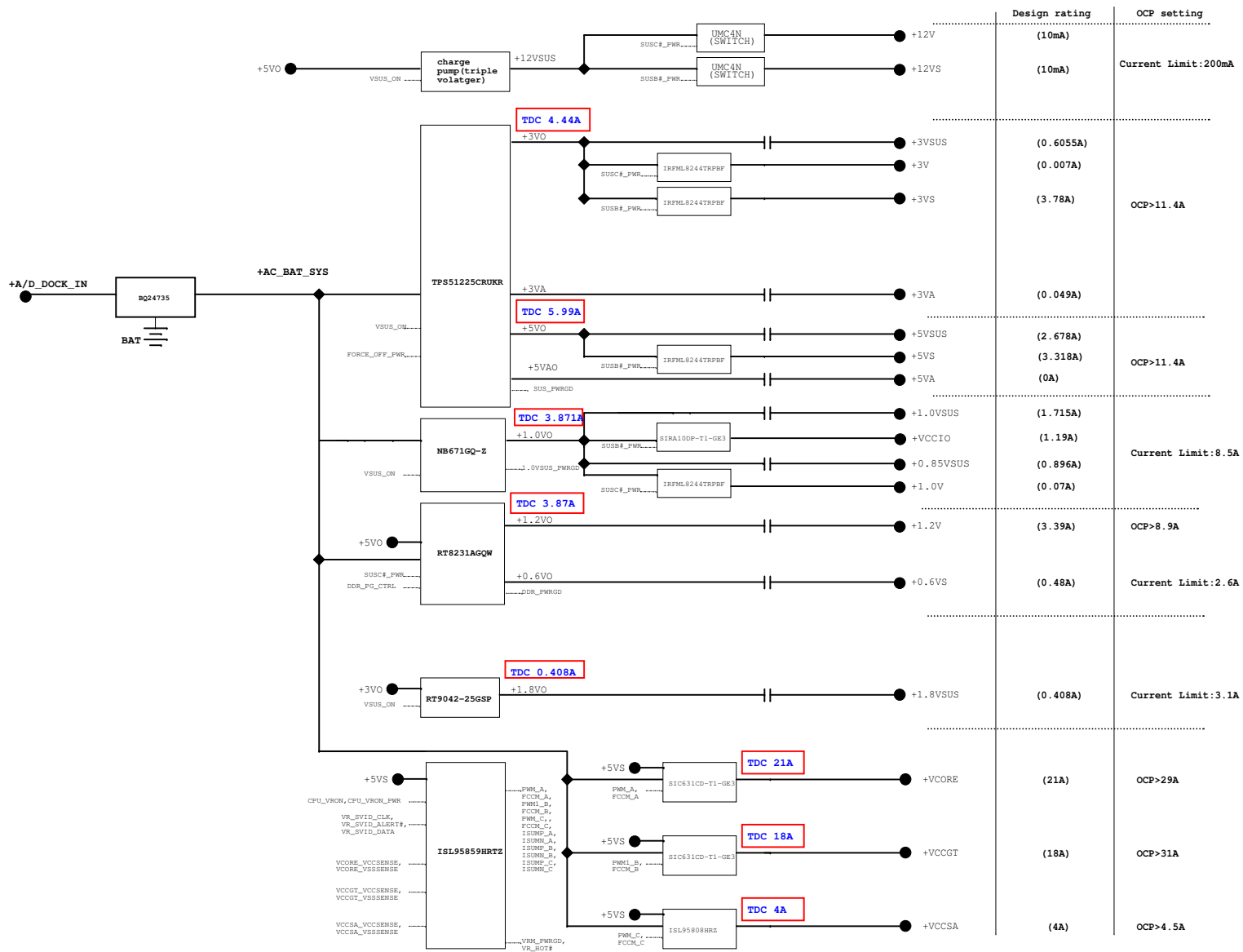
+0.6VS	→	+0.6VS	16,17,83
--------	---	--------	----------

+VCORE	→	+VCORE	6,80
--------	---	--------	------



<Variant Name>

PEGATRON		Title : POWER_SIGNAL	
PEGATRON PROPRIETARY AND CONFIDENTIAL			
Engineer: Benson_Lin			
Size Custom	Project Name P4HCJ		Rev 1.0
Date: Tuesday, August 25, 2015	Sheet 93	of	96



System modify notice

Version	Date	Description
R1.1	2015/06/05	Change Type C Solution
R1.1	2015/06/05	Update Power Vcore Solution.

PEGATRON

PEGATRON PROPRIETARY AND CONFIDENTIAL

BG1-NB4

Engineer: YenPin_Wang

Size

A

Project Name

P4HCJ

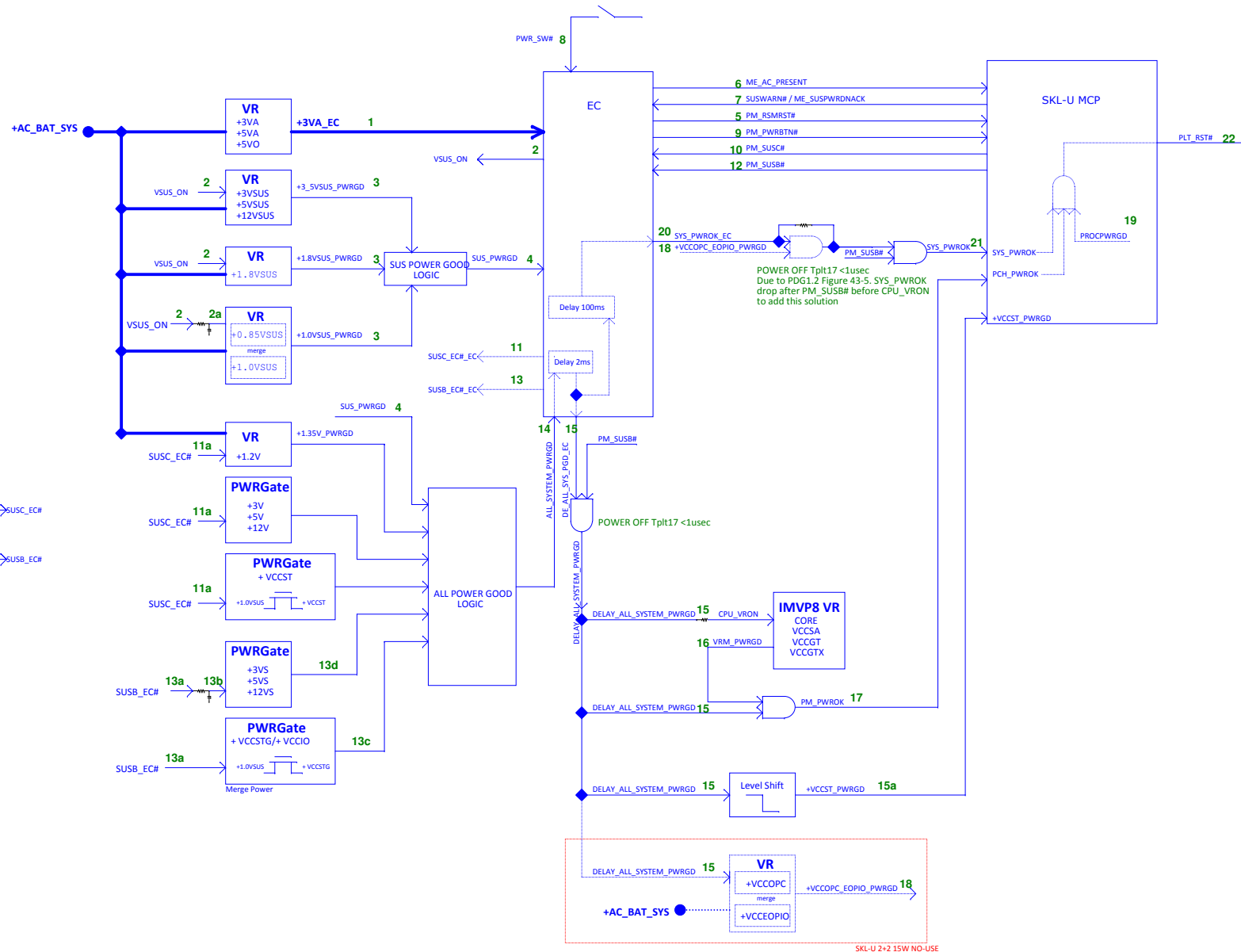
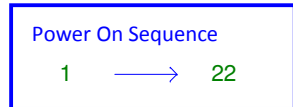
Rev

1.1

Date: Monday, August 24, 2015

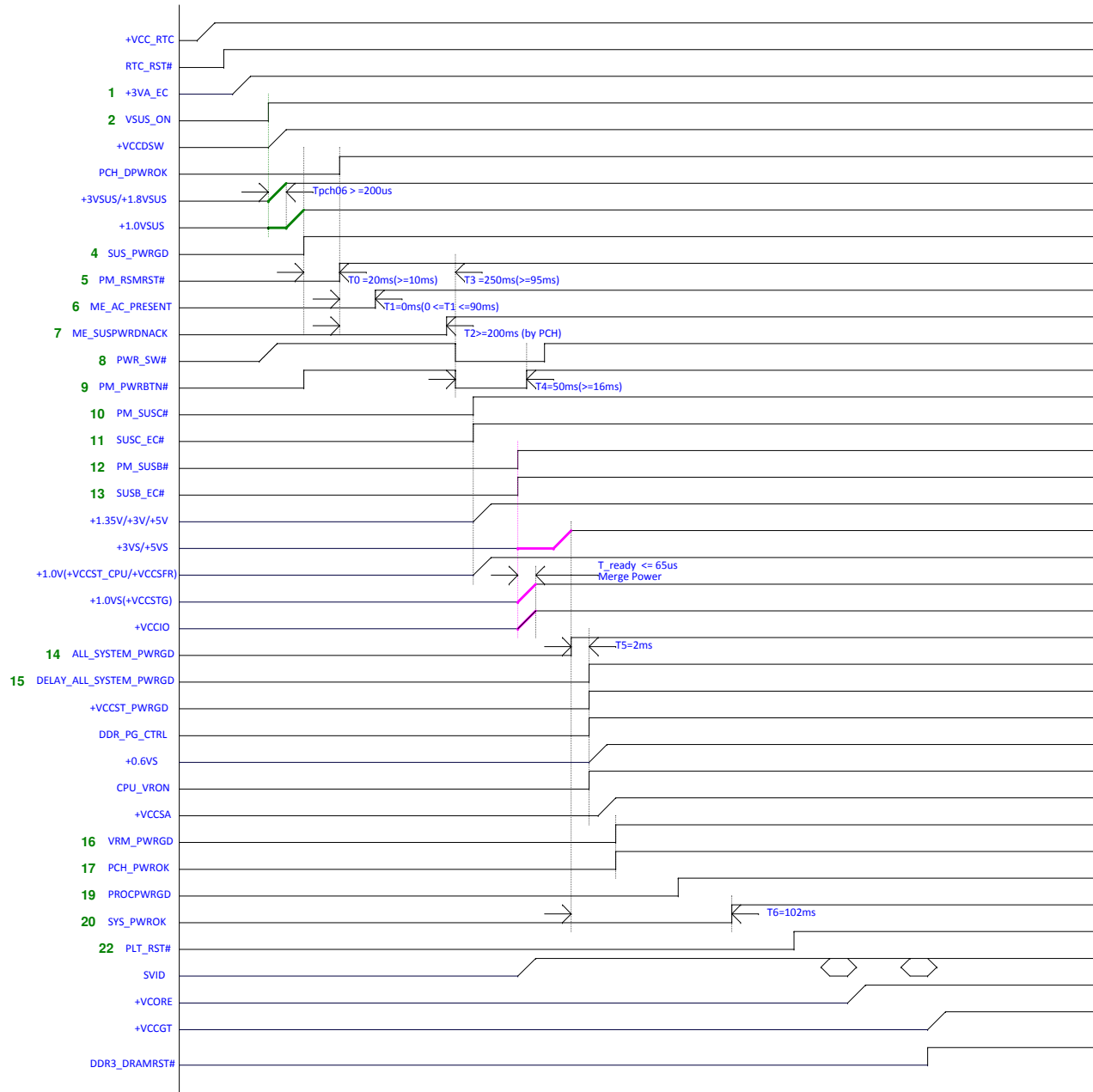
Sheet 97 of 100

Power On Sequence Diagram G3-S0 R0.1 (non-Deep Sx)



SKL-U 2+2 15W NO-USE

Power On Sequence G0 S0 R0... (non-Deep Sx,



P4HCJ

PCH I2C Module/Device Information			
Port	Module	7-bit Addr	8-bit Addr
PCH_I2C0	Sensor Hub(IT8350E)	5C	
PCH_I2C1	Click Pad	2C	
ISH_I2C0	G-sensor(Sensor BD)	PH:19 PD:18 (set)	Write:30 Read:31
	G-sensor(MB)	PH:19 (set) PD:18	Write:32 Read:33

Sensor HUB I2C Module/Device Information			
Port	Module	7-bit Addr	8-bit Addr
I2C_SHB	G-sensor(Sensor BD)	PH:19 PD:18 (set)	Write:30 Read:31
	G-sensor(MB)	PH:19 (set) PD:18	Write:32 Read:33

P3HCJ

PCH I2C Module/Device Information			
Port	Module	7-bit Addr	8-bit Addr
PCH_I2C0	Sensor Hub(IT8350E)	5C	
PCH_I2C1	Click Pad	2C	
ISH_I2C0	E-Compass (AK09911C)	PH:0D PD:0C (set)	
	Light Sensor (CM32181A30P)	PH:48 (set) PD:10	
	G+A (ICM-20630)	PH:69 PD:68 (set)	

Sensor HUB I2C Module/Device Information			
Port	Module	7-bit Addr	8-bit Addr
I2C_SHB	E-Compass (AK09911C)	PH:0D PD:0C (set)	
	Light Sensor (CM32181A30P)	PH:48 (set) PD:10	
	G+A (ICM-20630)	PH:69 PD:68 (set)	

PEGATRON

BG1-NB4

Title : I2C Address Table

Engineer: YenPin_Wang

Size	Project Name	Rev
B	P4HCJ	1.0
Date: Monday, August 24, 2015		Sheet 100 of 100