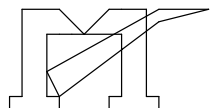


6. Schematic

6.1 Main Board

715G1558-3-2

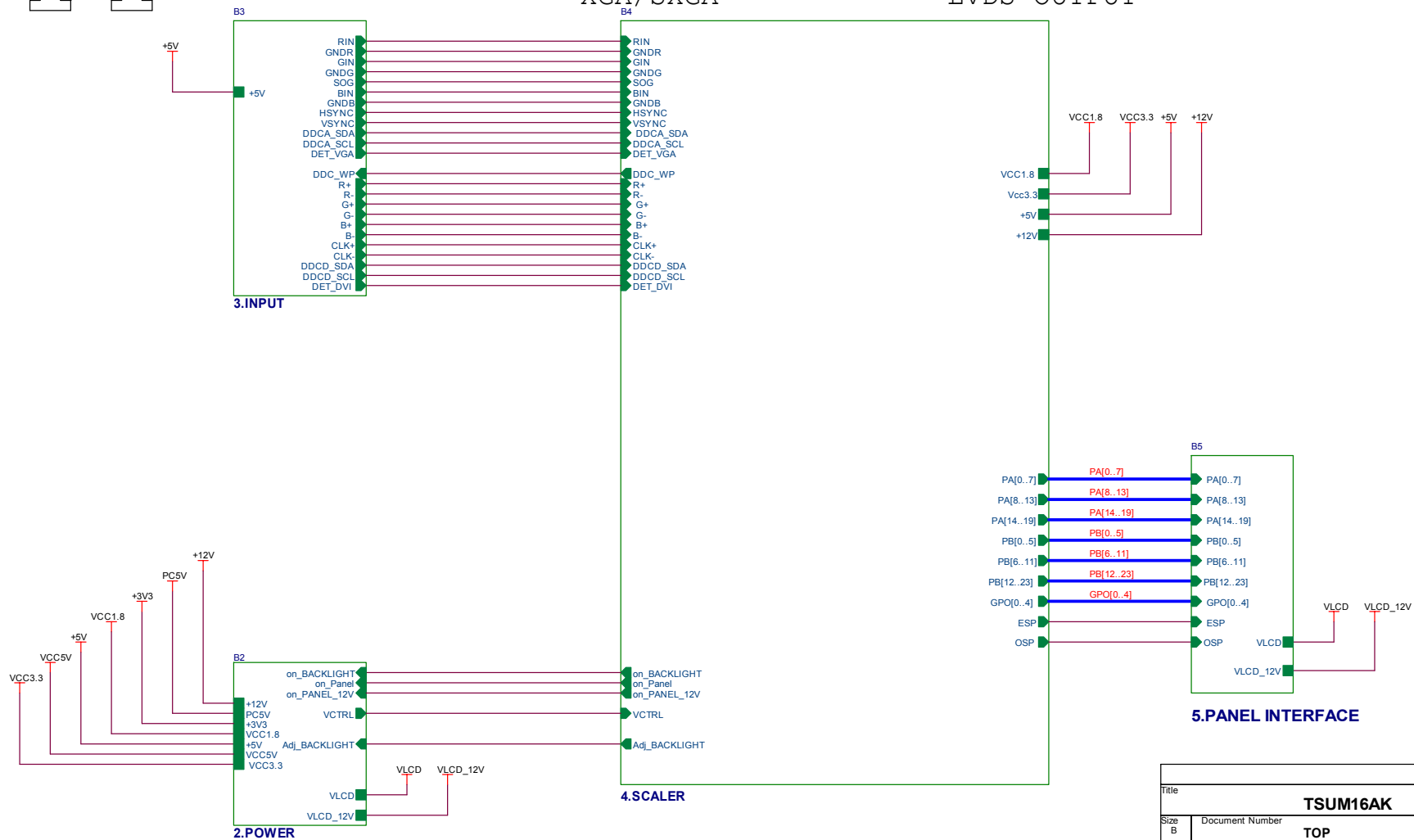


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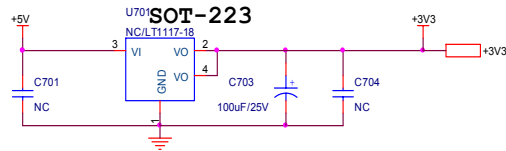
SCHEMATIC

XGA/SXGA

LVDS OUTPUT

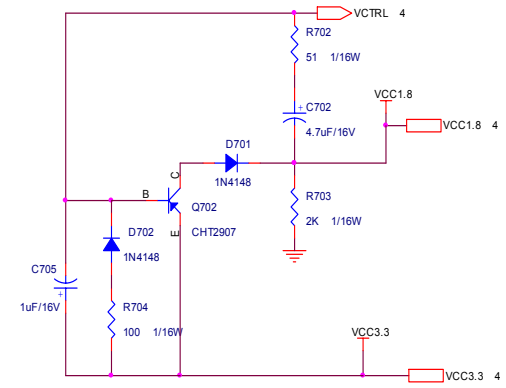
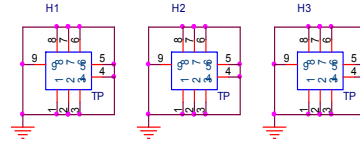


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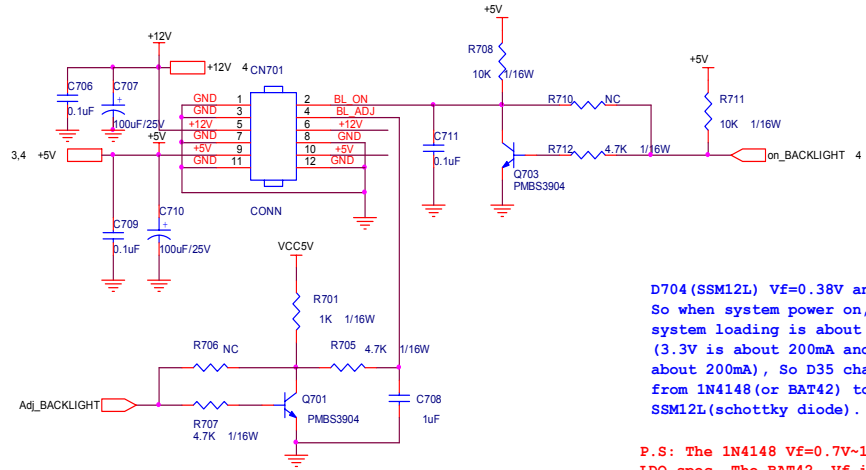


BL ADJ(DC)	R31	C51	R32	R29	R33	Q4
0V ~ 3.3V	4.7K	100uF	0	X	X	X
0V ~ 5V	4.7K	100uF	X	1K	4.7K	MMBT3904

BL ADJ	R31	C52
PWR	47	N.C
D.C	480	100uF

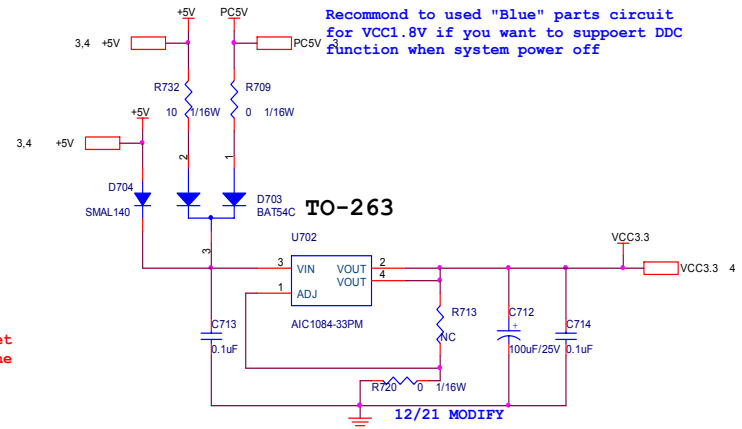


Recommend to used "Blue" parts circuit for VCC1.8V if you want to support DDC function when system power off

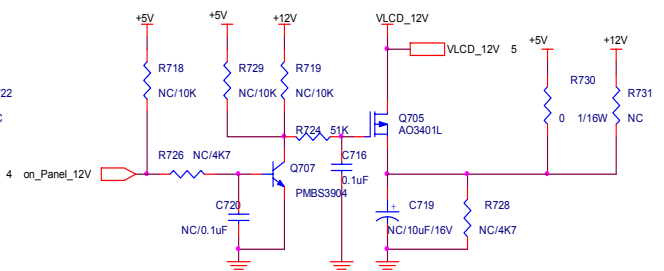
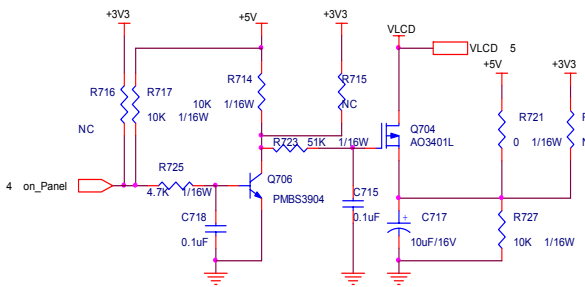


D704 (SSM12L) Vf=0.38V and If=1A. So when system power on, the system loading is about 400mA (3.3V is about 200mA and 1.8V is about 200mA), So D35 changed from 1N4148 (or BAT42) to SSM12L (schottky diode).

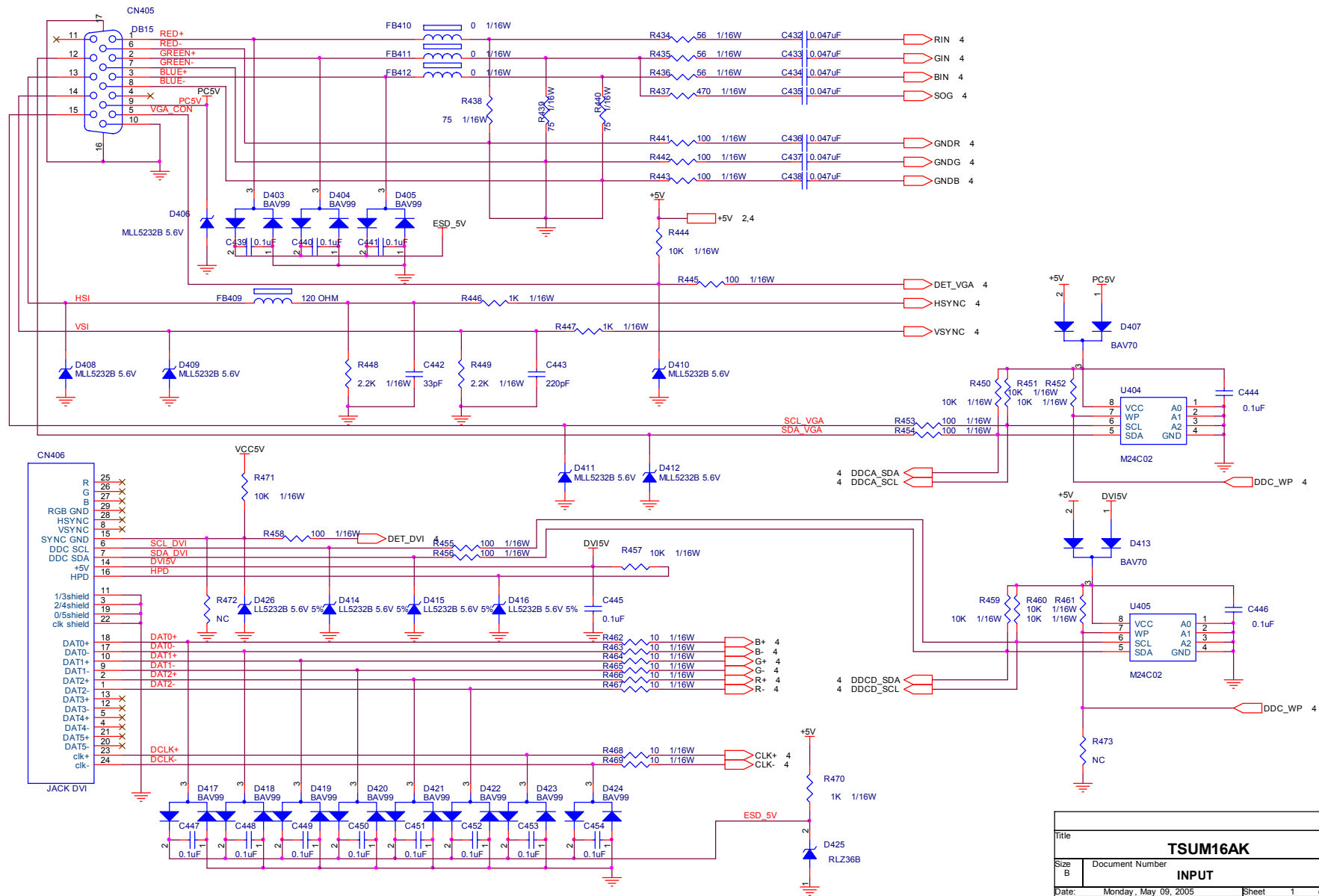
P.S: The 1N4148 Vf=0.7V-1V can't meet LDO spec. The BAT42, Vf is OK but the If=200mA (forward current) can not meet current spec.



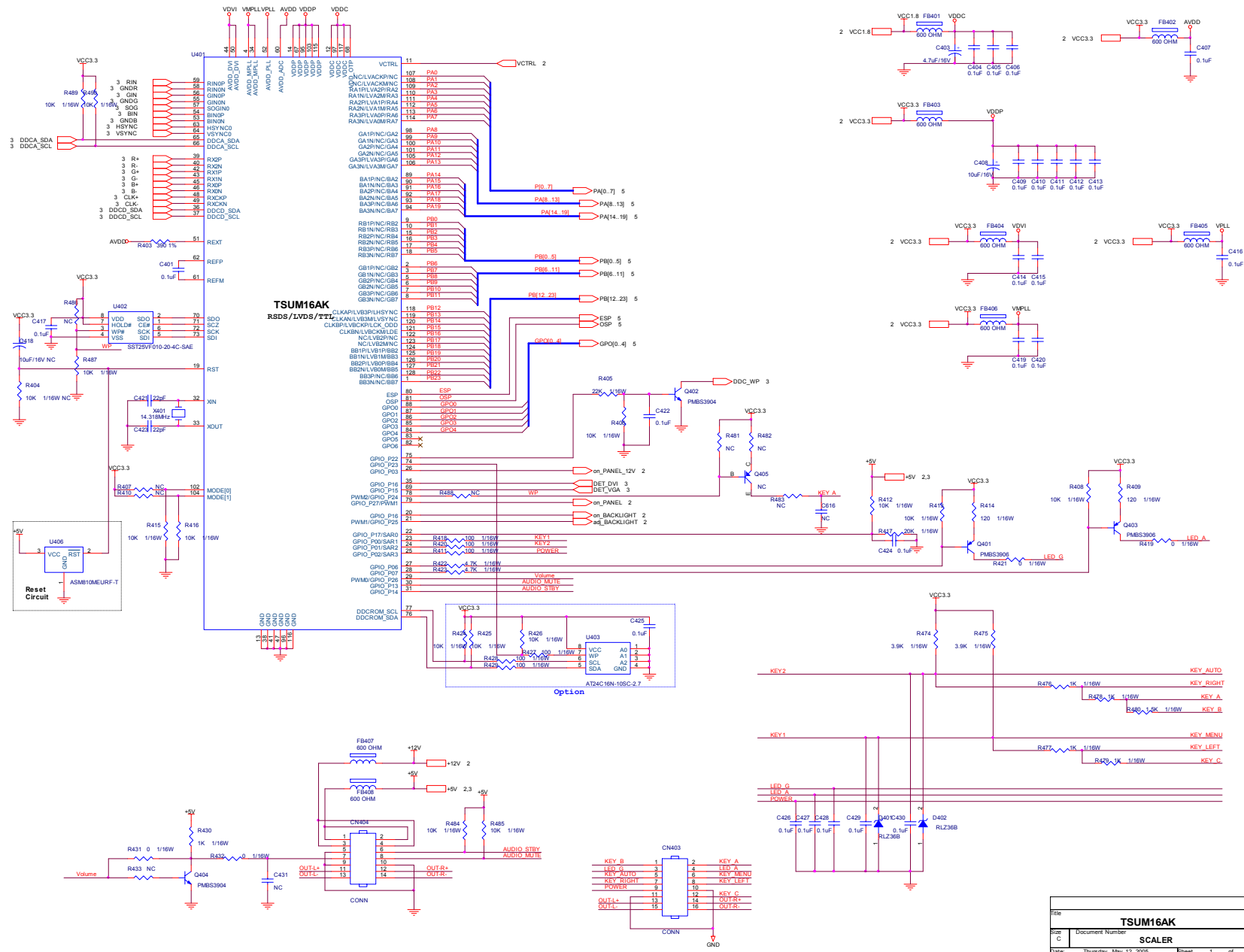
For RSDS and Panel VCC=12V



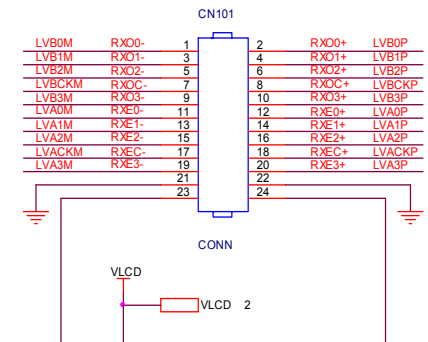
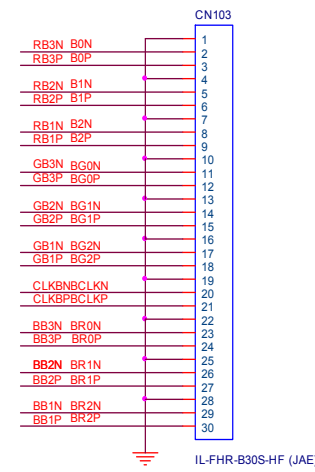
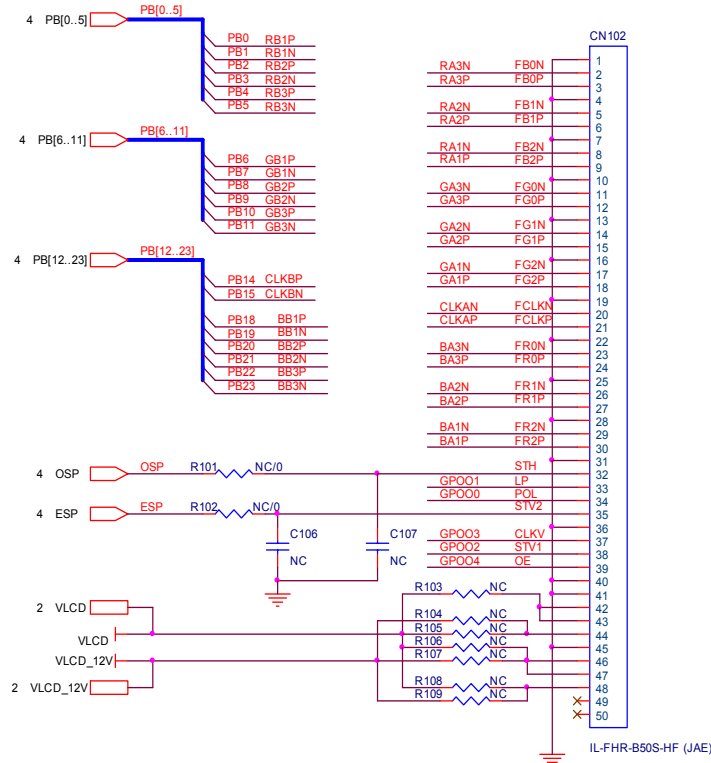
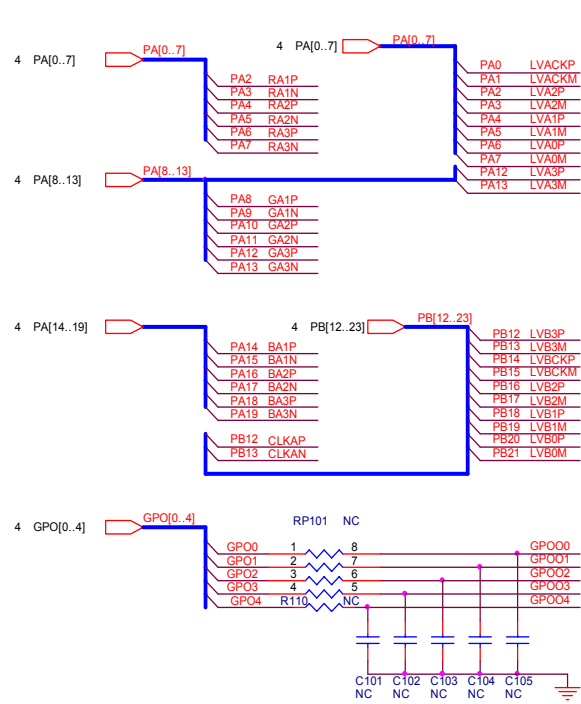
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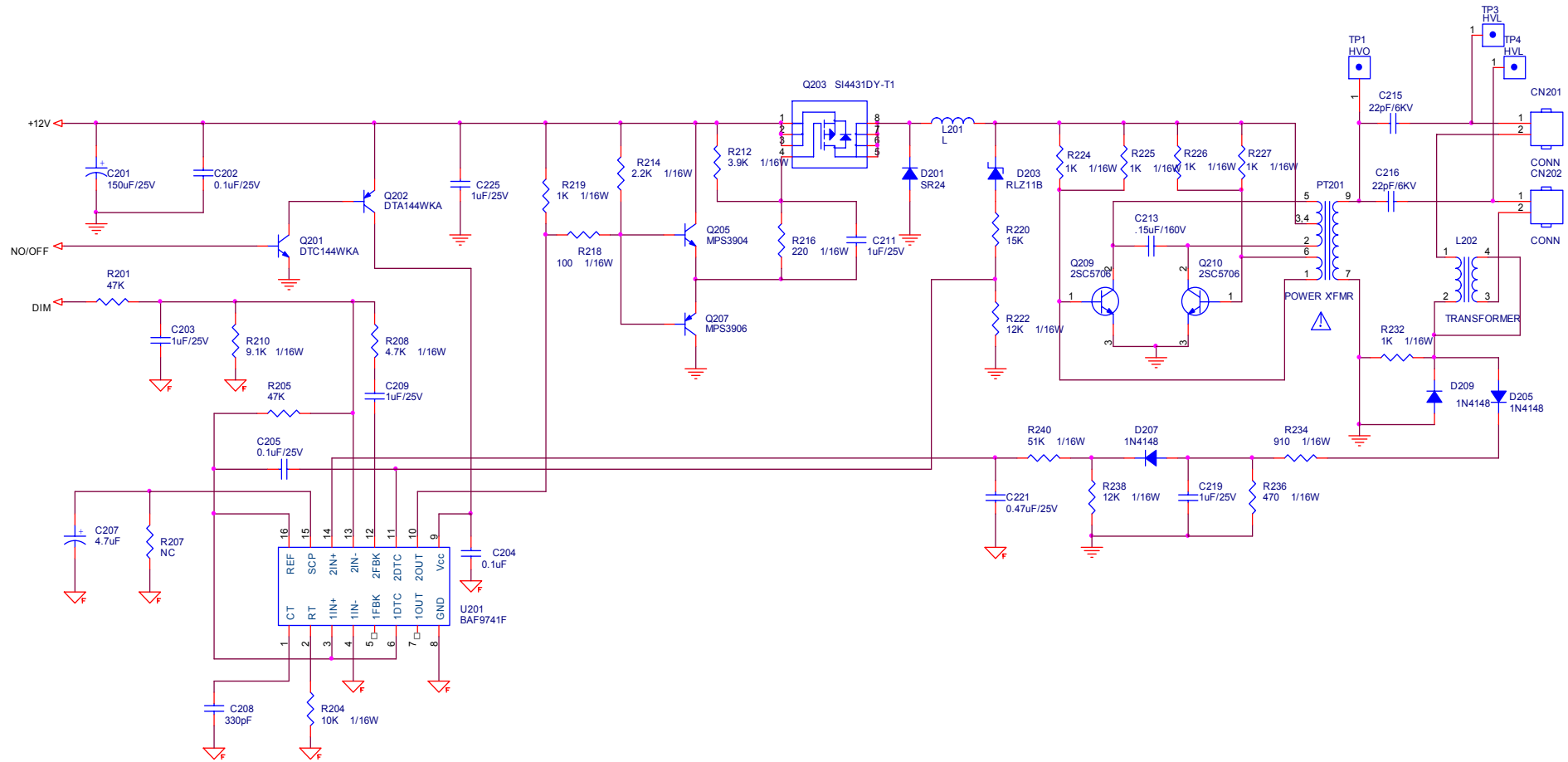
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	EN7	EN8	EN9	EP1	EP8	EP9	EP1	Table 1
LVDS Panel	X	X	V	X	X	X	X	X
RSDS Panel	V	V	X	V	V	V	V	V

Table 1	R90	R92	R93	R94	R95	R96	R97
AU 17	NC	NC	5V	5V	NC	5V	NC
QDI 17	3.3V	12V	0R	0R	12V	0R	12V
CPT 17	0R	0R	NC	NC	0R	NC	0R
INNOLUX 15	3.3V	0R	3.3V	0R	NC	NC	NC
HannStar 15	3.3V	0R	3.3V	0R	12V	NC	NC
CPT 15	0R	NC	0R	NC	0R	NC	NC
LG 15	3.3V	0R	3.3V	0R	NC	NC	NC
Innolux 17"	NC	NC	0R	0R	NC	0R	NC

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AOC (Top Victory) Electronics Co., Ltd.		
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-  is power GND
-  is signal GND