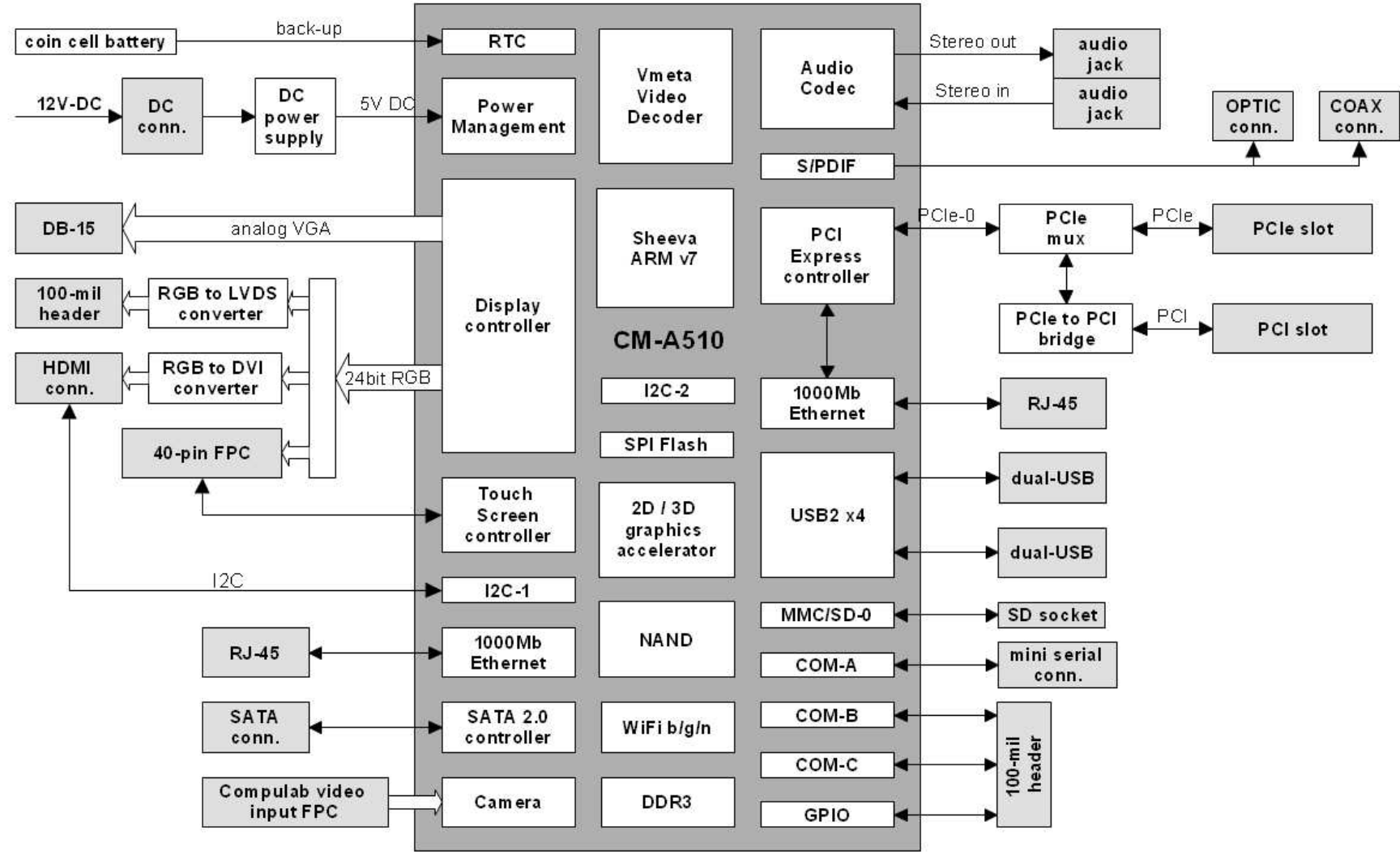


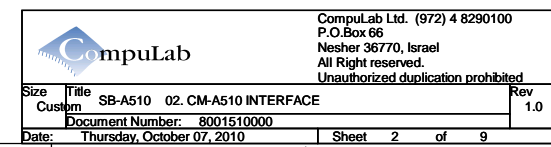
SB-A510 rev 1.0

PAGE	FUNCTION
01	INDEX
02	CM-A510 INTERFACE
03	DVI and LVDS TRANSMITTERS
04	CONNECTORS 1
05	CONNECTORS 2
06	PCI-E MUX and PCI BRIDGE
07	POWER
08	MISC.
09	PRODUCTION

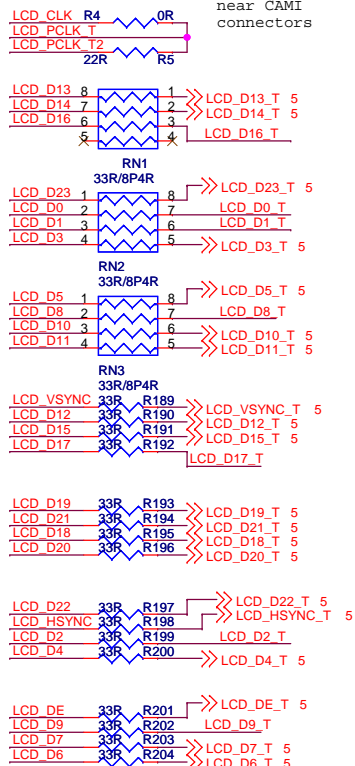


PCB1
PCB, SB-A510 Rev 1.0

ZZ1
PARSER_VERSION_1.0



place
termination
near CAMI
connectors



2 LCD_CLK

5 LCD_PCLK_T2

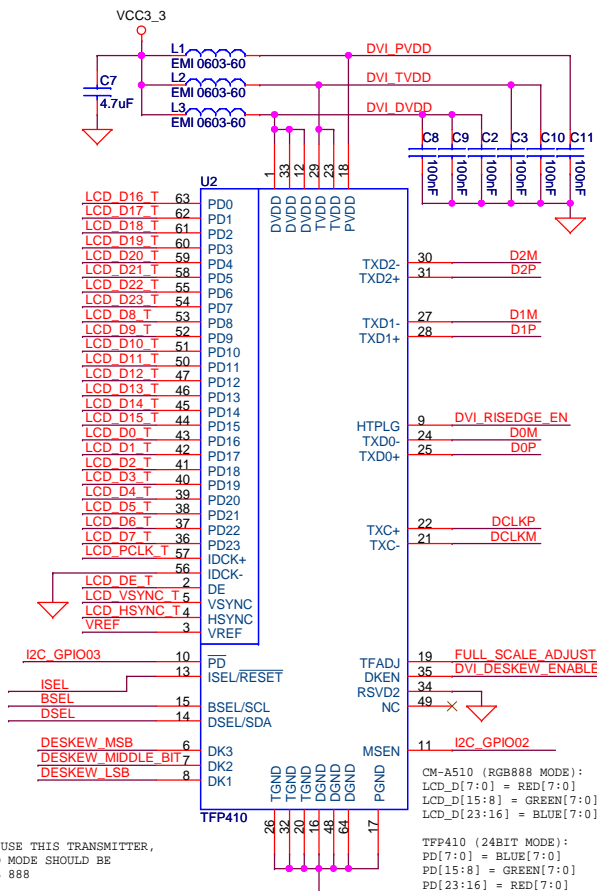
2 LCD_D[23:0]

2 LCD_DE

2 LCD_HSYNC

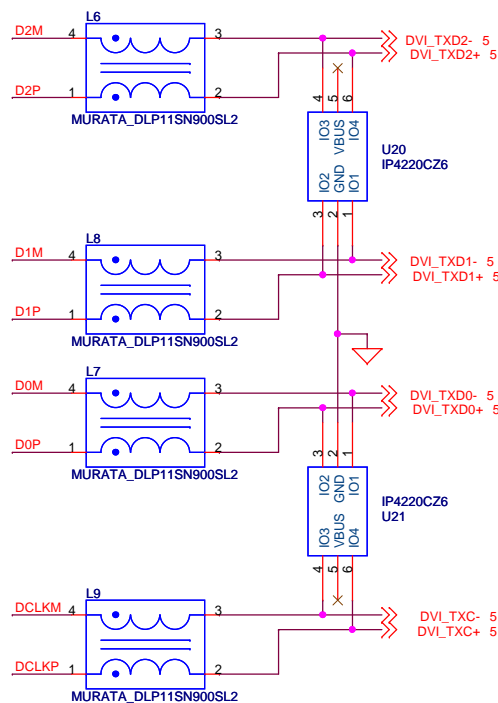
2 LCD_VSYNC

DVI TRANSMITTER



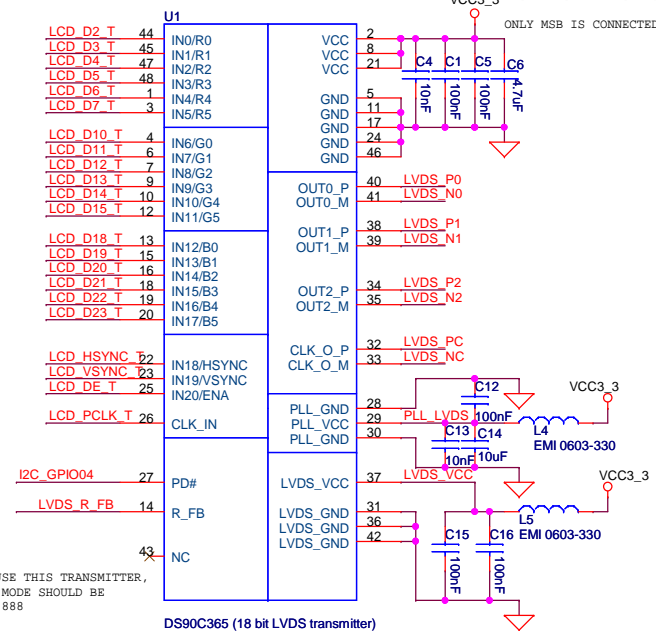
TO USE THIS TRANSMITTER,
LCD MODE SHOULD BE
RGB 888

```
TFP410 (24BIT MODE):
PD[7:0] = BLUE[7:0]
PD[15:8] = GREEN[7:0]
PD[23:16] = RED[7:0]
```

DVI OUTPUT EMI REDUCTION
AND ESD PROTECTION

PLACE AS CLOSE AS
POSSIBLE TO
DVI CONNECTOR (J2

LVDS TRANSMITTER

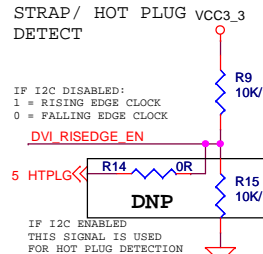
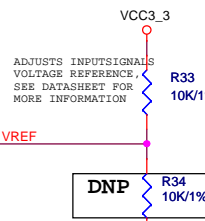
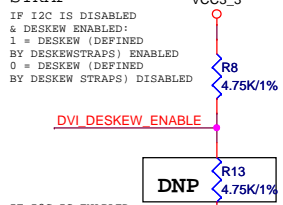
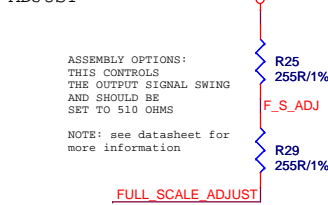
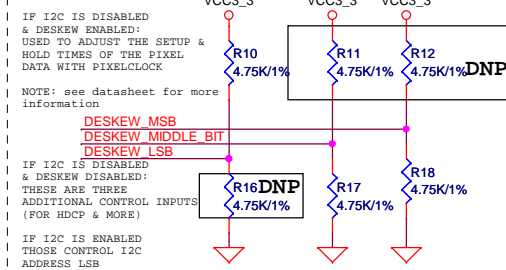
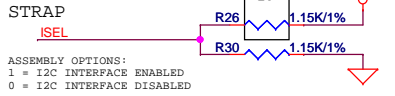
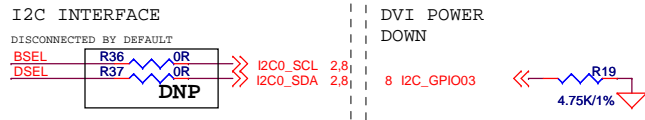
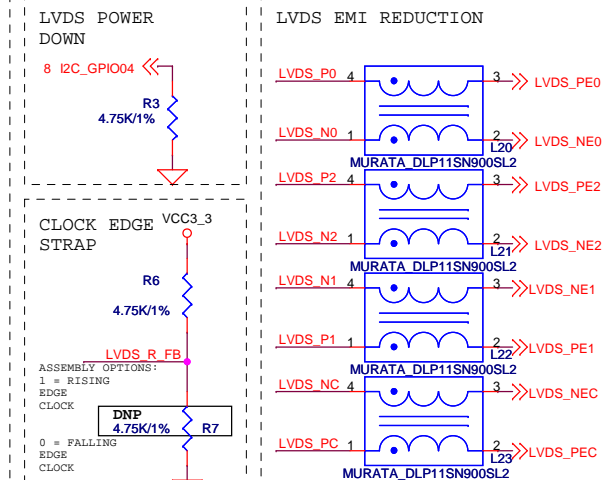
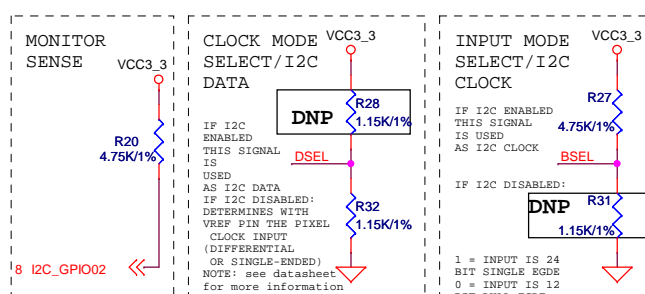


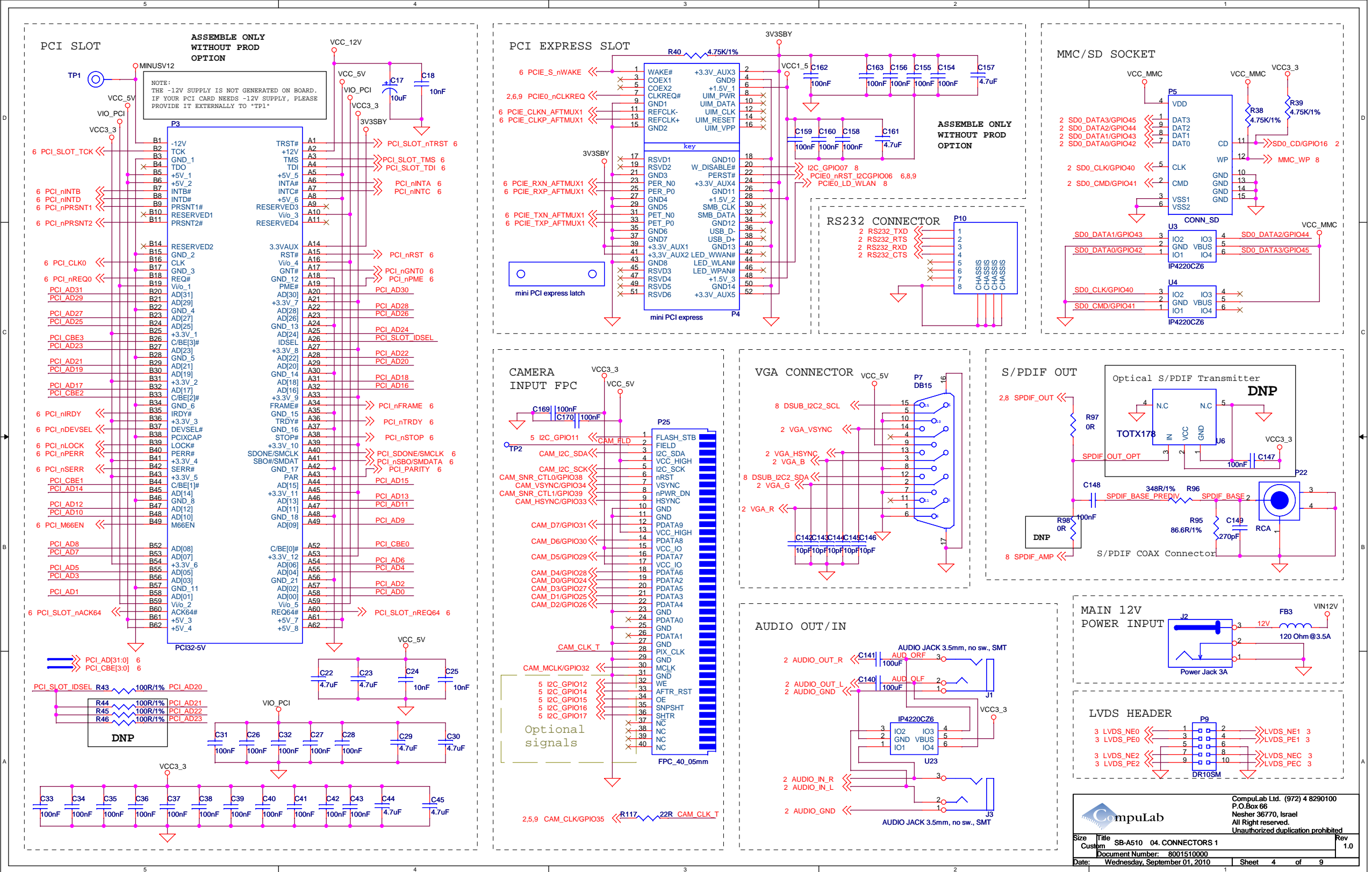
```
CM-A510 (RGB888 MODE):
LCD_D[7:0] = RED[7:0]
LCD_D[15:8] = GREEN[7:0]
LCD_D[23:16] = BLUE[7:0]
```

```
DS90C365 (18BIT MODE):  
IN[5:0] = RED[5:0]  
IN[11:6] = GREEN[5:0]  
IN[17:12] = BLUE[5:0]
```

ONLY MSB IS CONNECTED

TO USE THIS TRANSMITTER
LCD MODE SHOULD BE
RGB 888





D



B



1



3



10



B



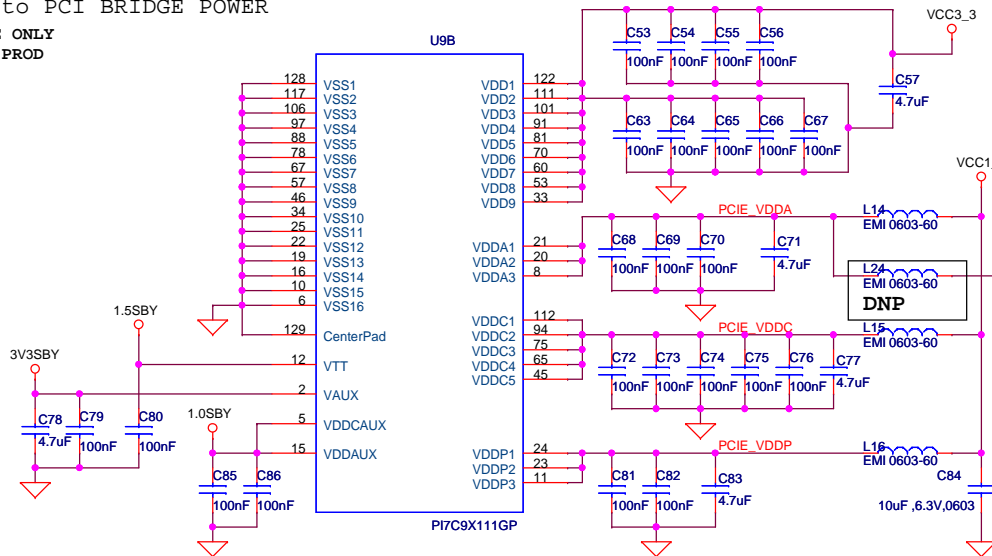
A



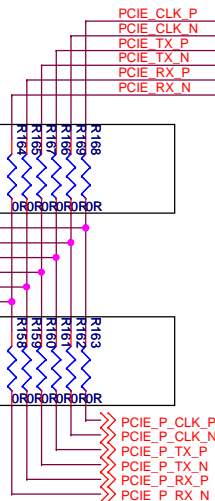
D



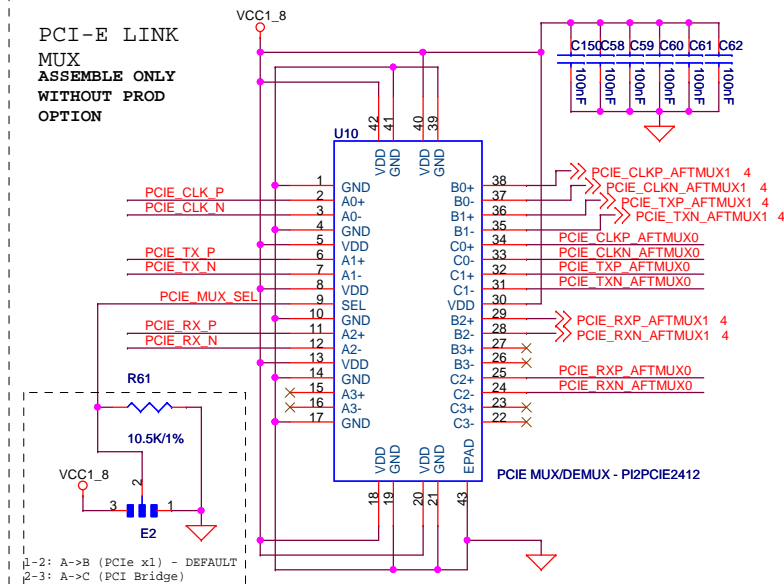
ASSEMBLE ONLY
WITHOUT PROD
OPTION



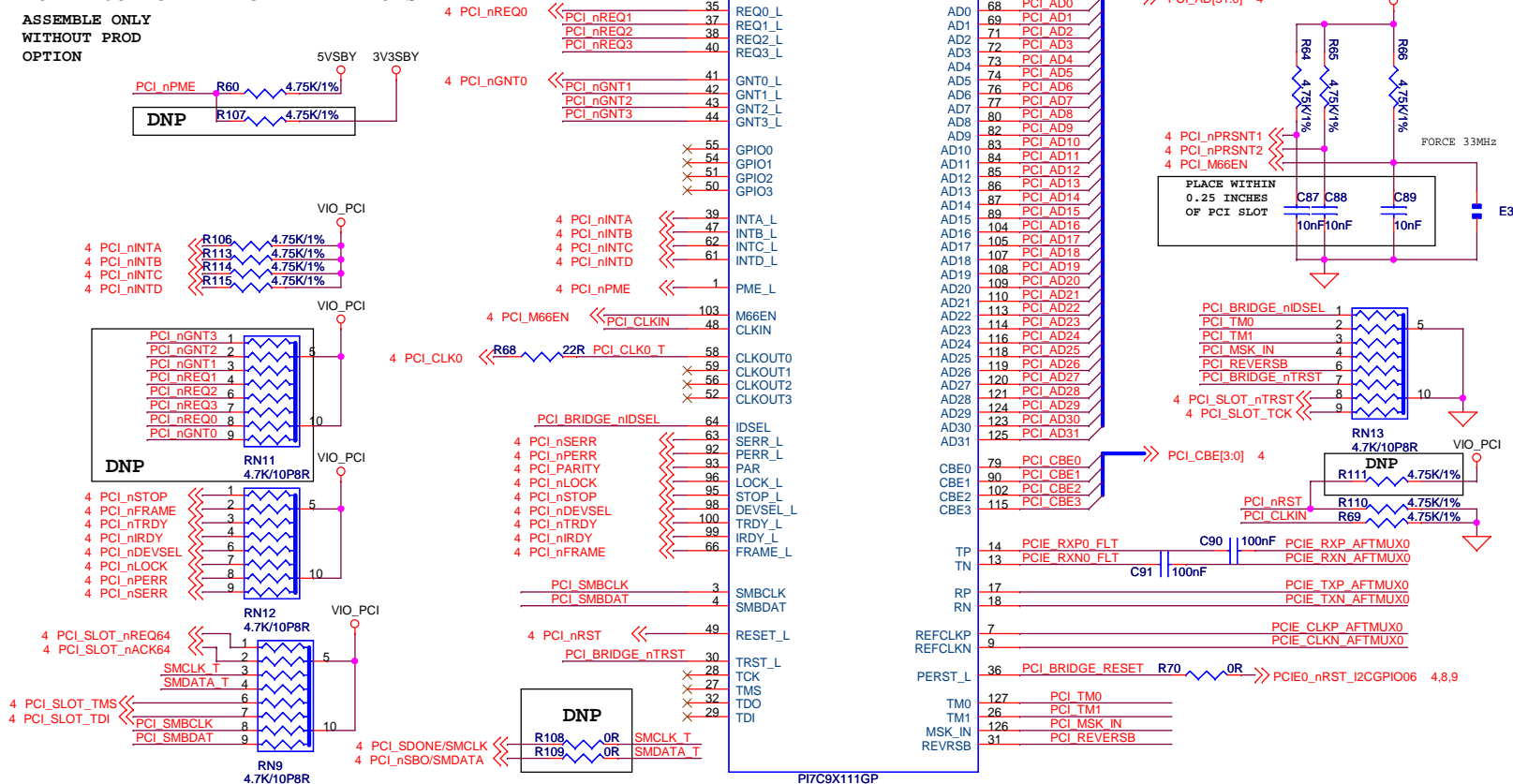
ASSEMBLE ONLY
WITHOUT PROD
OPTION



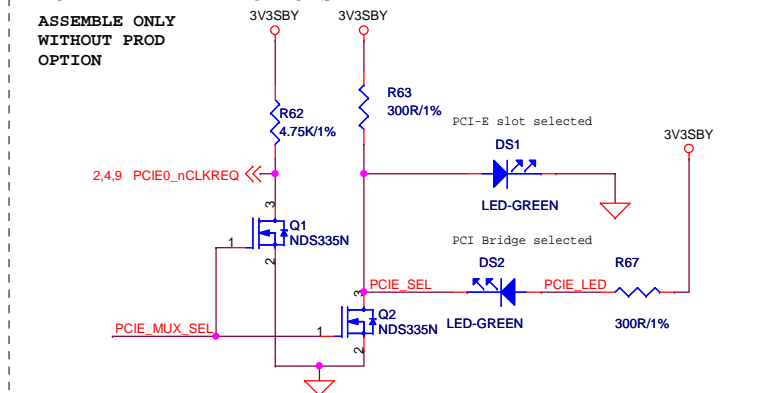
MUX
ASSEMBLE ONLY
WITHOUT PROD
OPTION



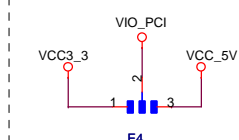
ASSEMBLE ONLY
WITHOUT PROD
OPTION



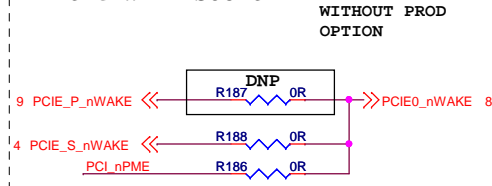
ASSEMBLE ONLY
WITHOUT PROD
OPTION



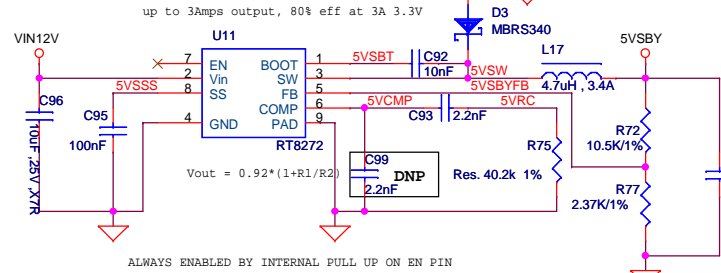
1-2: 5V
2-3: 3.3V



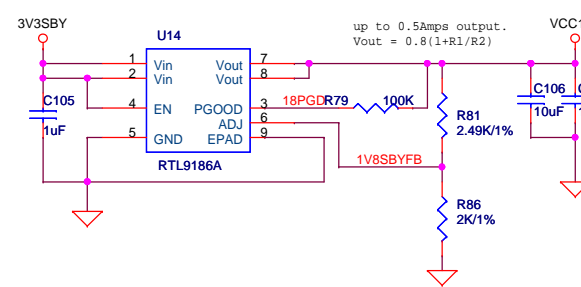
ASSEMBLE ONLY
WITHOUT PROD
OPTION



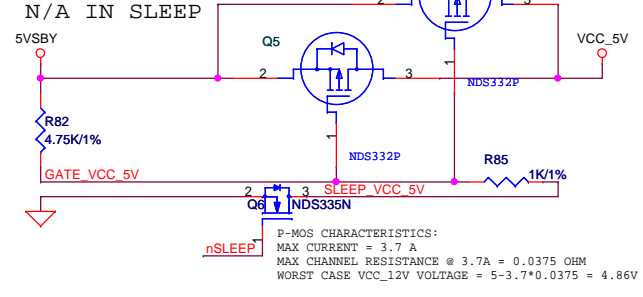
5V SUPPLY (ALWAYS ON)



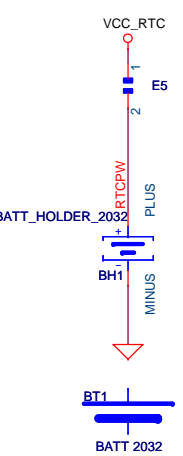
1.8V SUPPLY (ALWAYS ON)



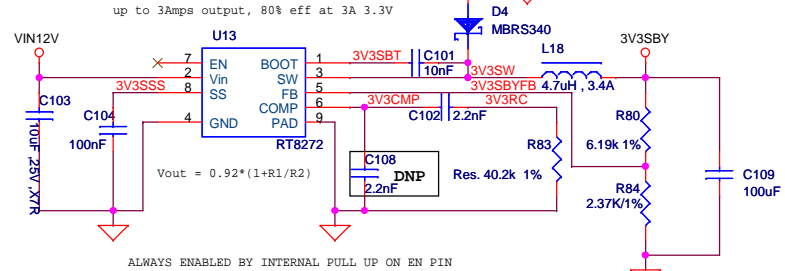
5V SUPPLY N/A IN SLEEP



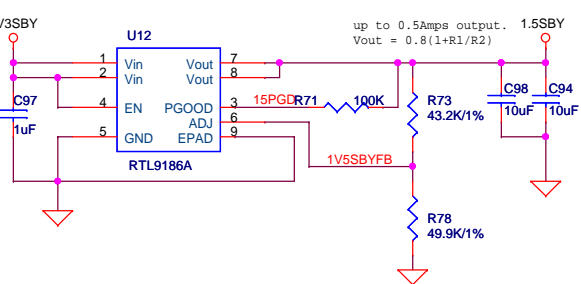
RTC POWER



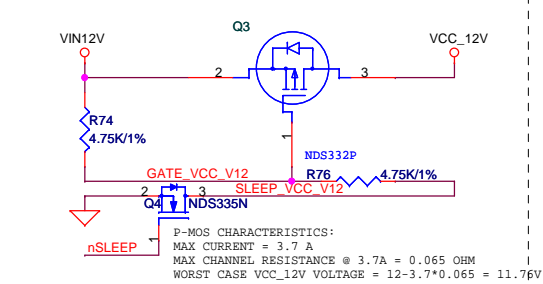
3.3V SUPPLY (ALWAYS ON)



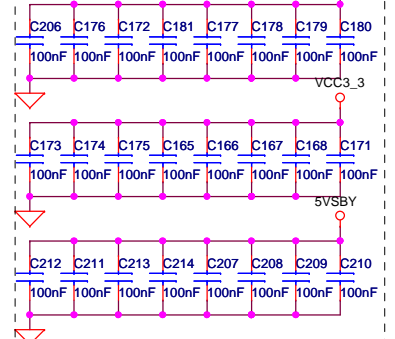
1.5V SUPPLY (ALWAYS ON)



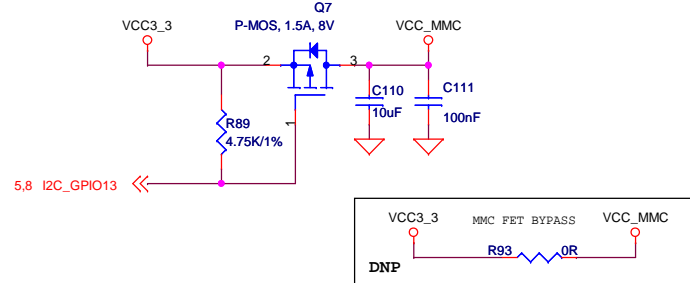
12V SUPPLY - N/A IN SLEEP



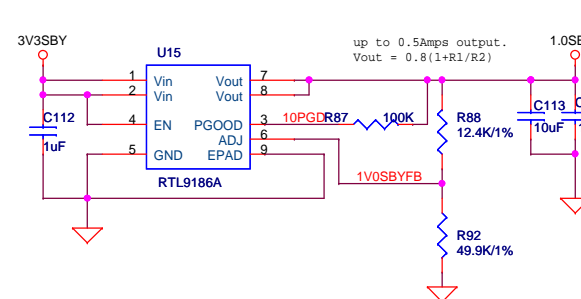
DECOUPLING



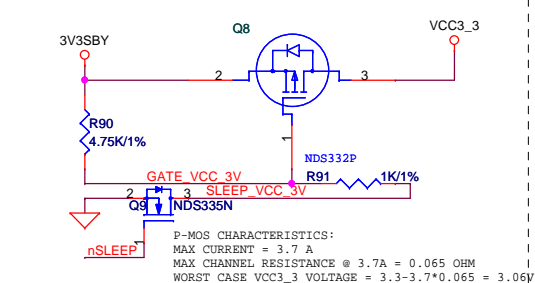
MMC POWER



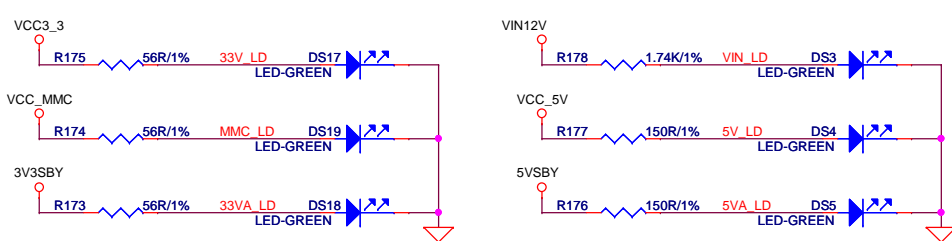
1.0V SUPPLY (ALWAYS ON)



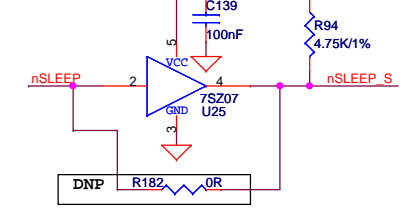
3.3V SUPPLY - N/A IN SLEEP



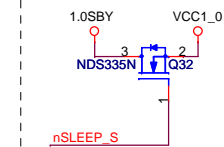
MAIN POWER LEDS



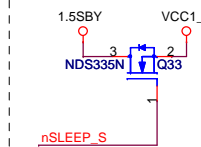
SLEEP SHIFTER



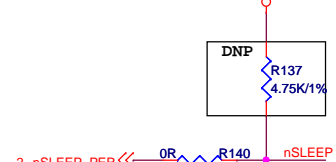
1.0V SUPPLY N/A IN SLEEP

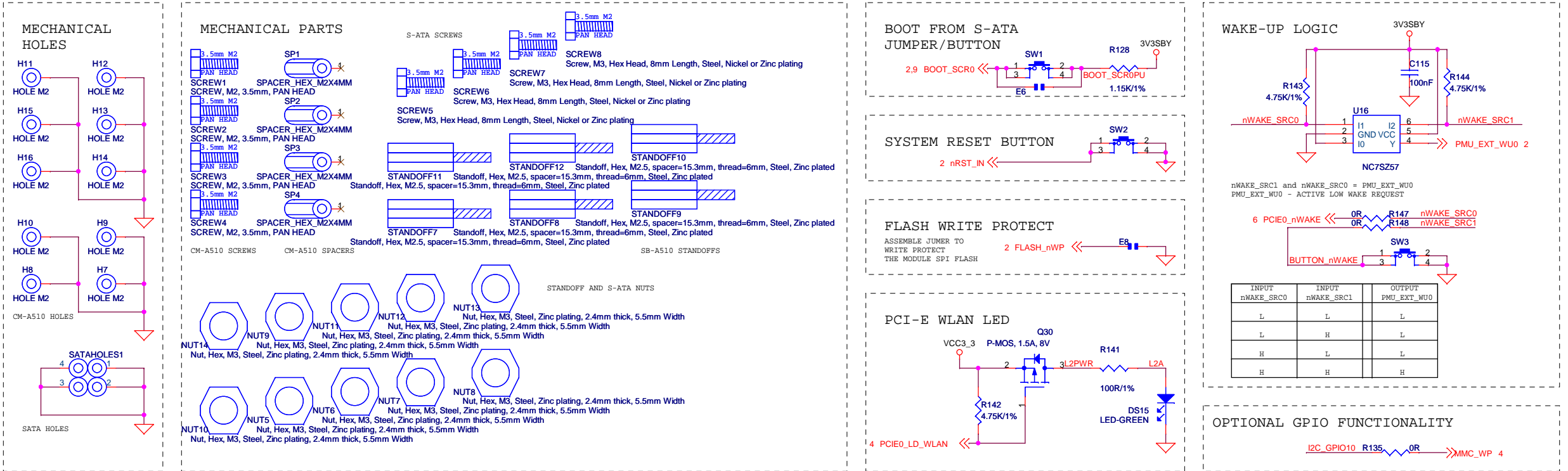


1.5V SUPPLY N/A IN SLEEP

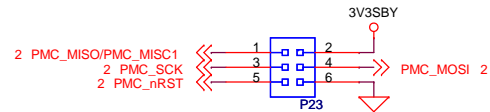


SLEEP DISABLE PROVISION

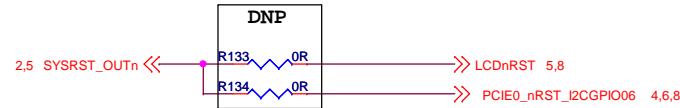




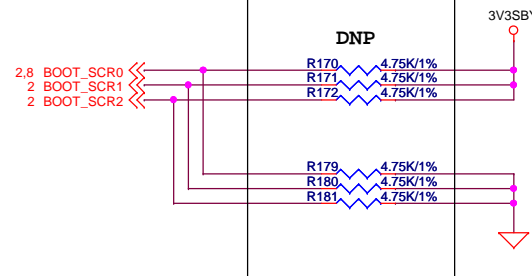
EXTERNAL PIC PROGRAMMER HEADER



PERIPHERAL RESET PROVISION

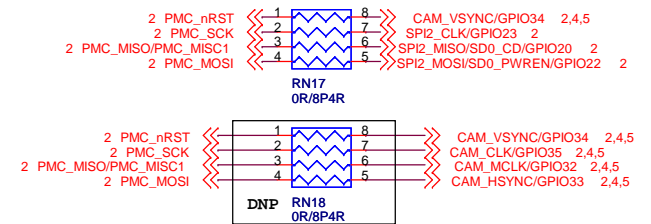


EXTRA BOOT PROVISIONS



PRODUCTION OPTIONS

Only Assembled with the PROD option



PRODUCTION LAN

Only Assembled with the PROD option

