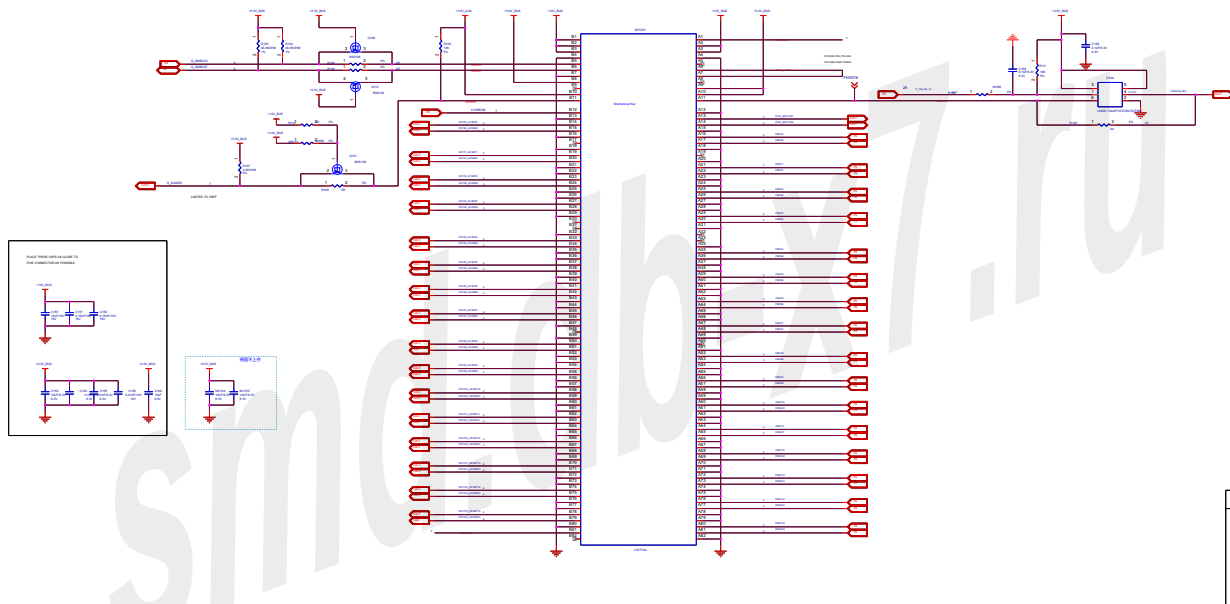
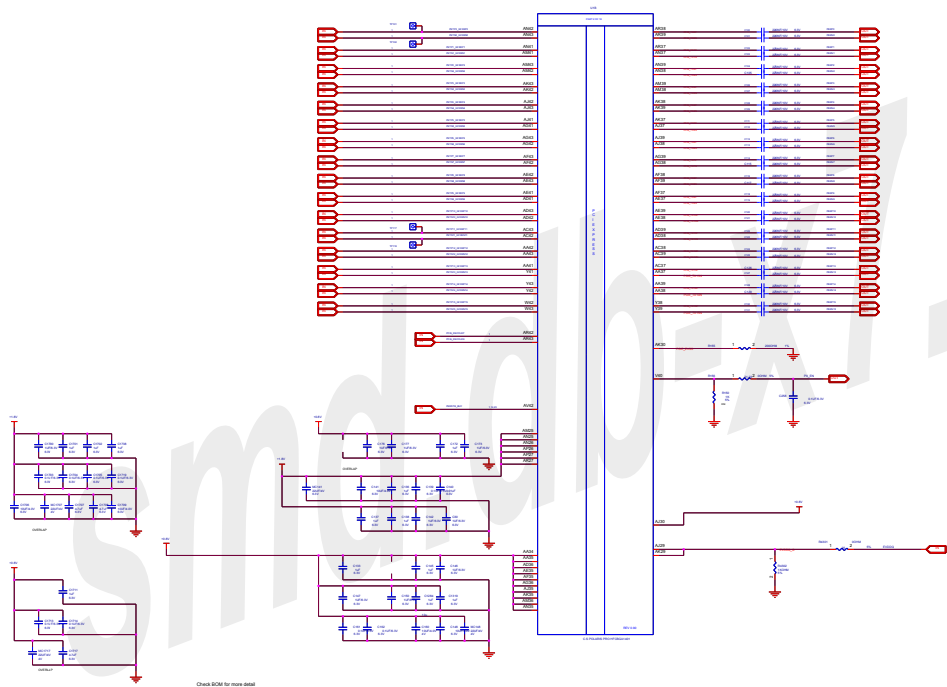


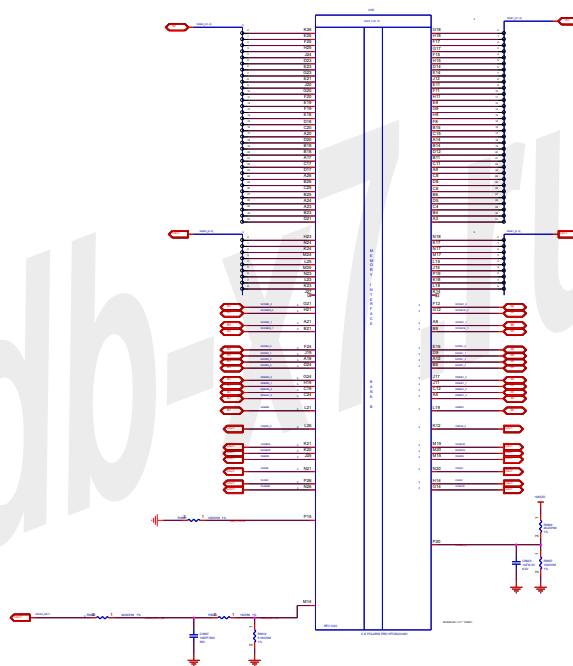
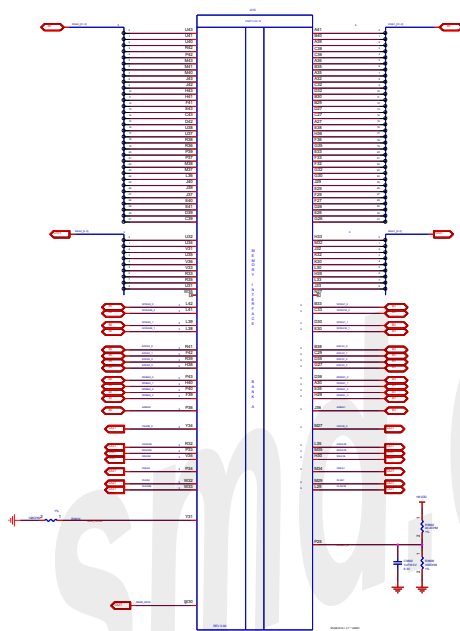
(1) PCI-EXPRESS EDGE CONNECTOR



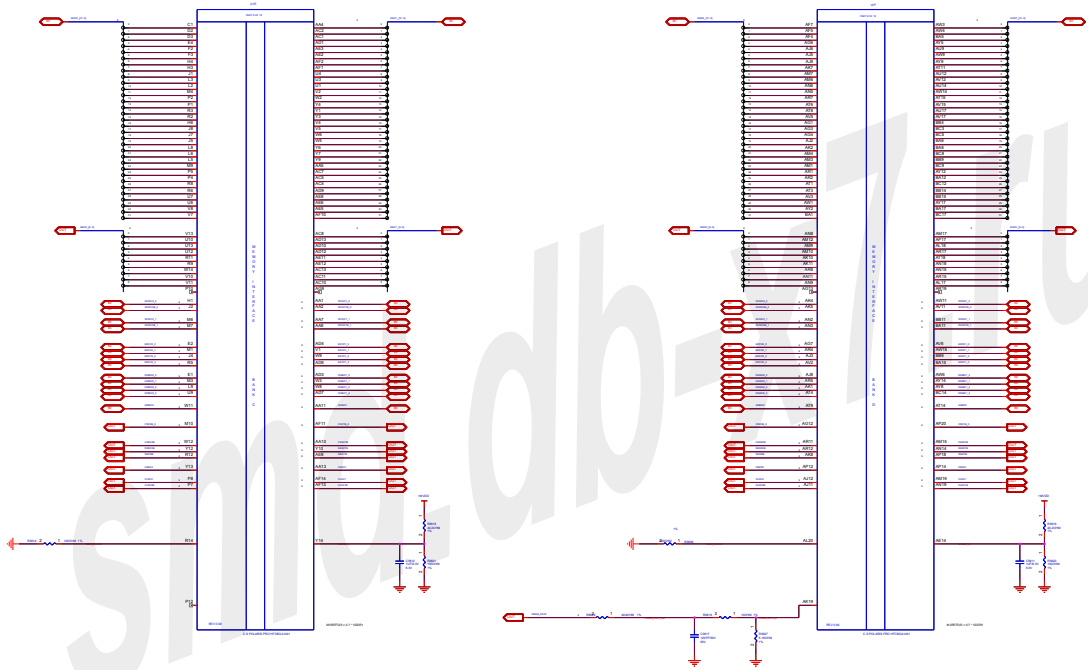
(2) ELLESMERE PCIE INTERFACE



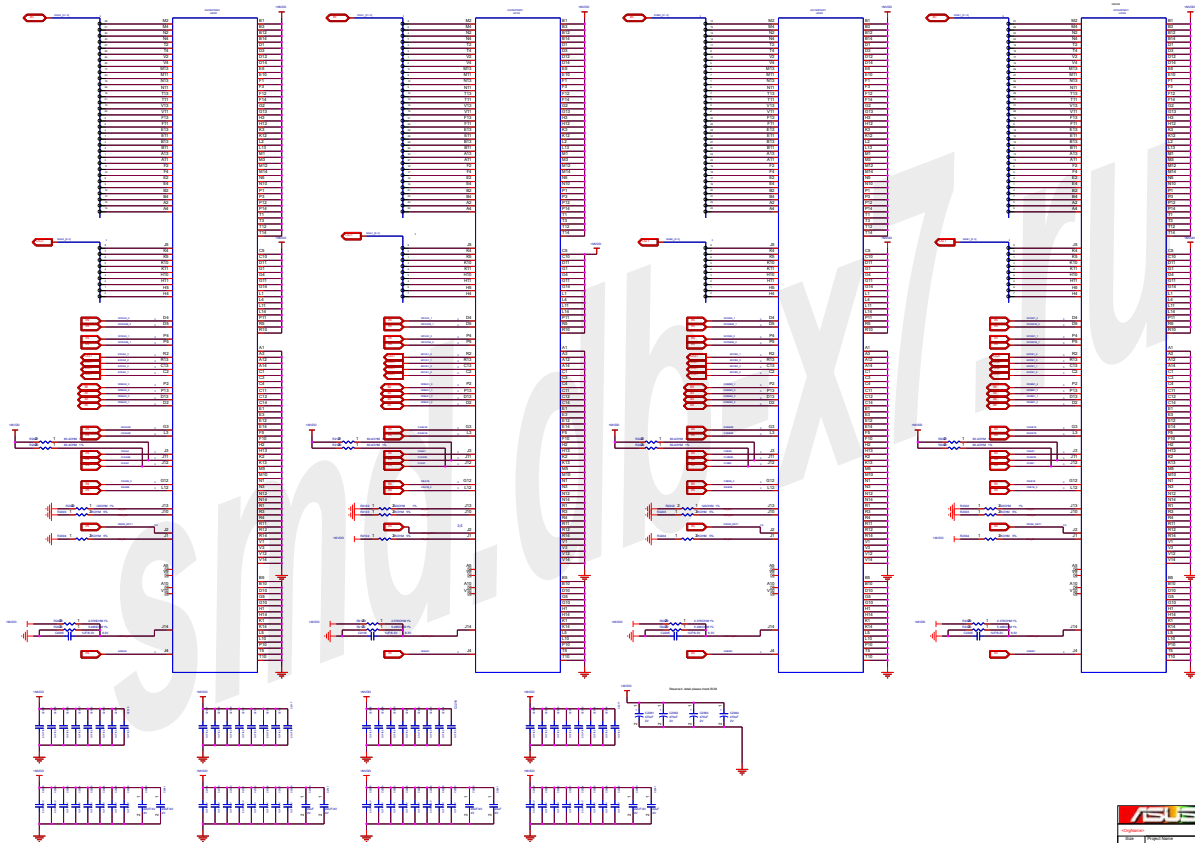
(3) ELLESMERE MEM INTERFACE CH A/B



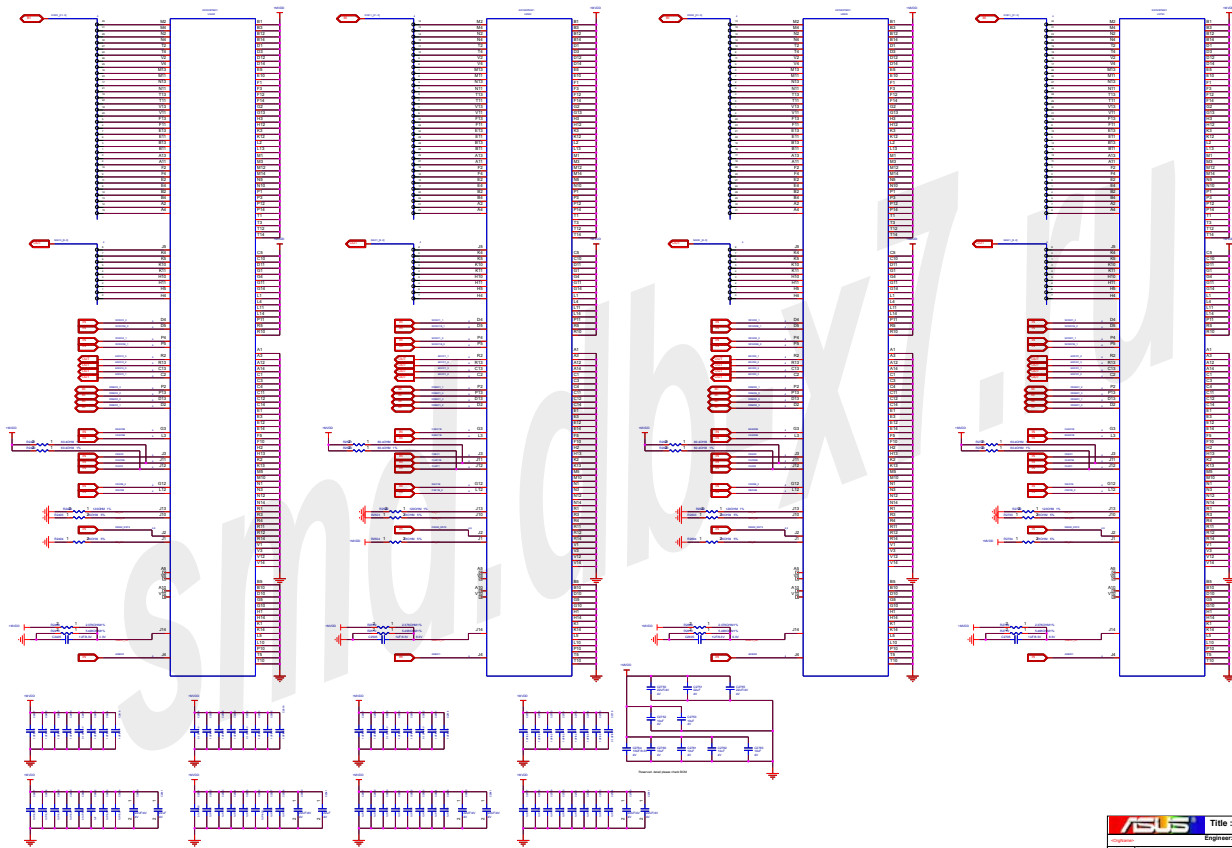
(4) ELLESMERE MEM INTERFACE CH C/D



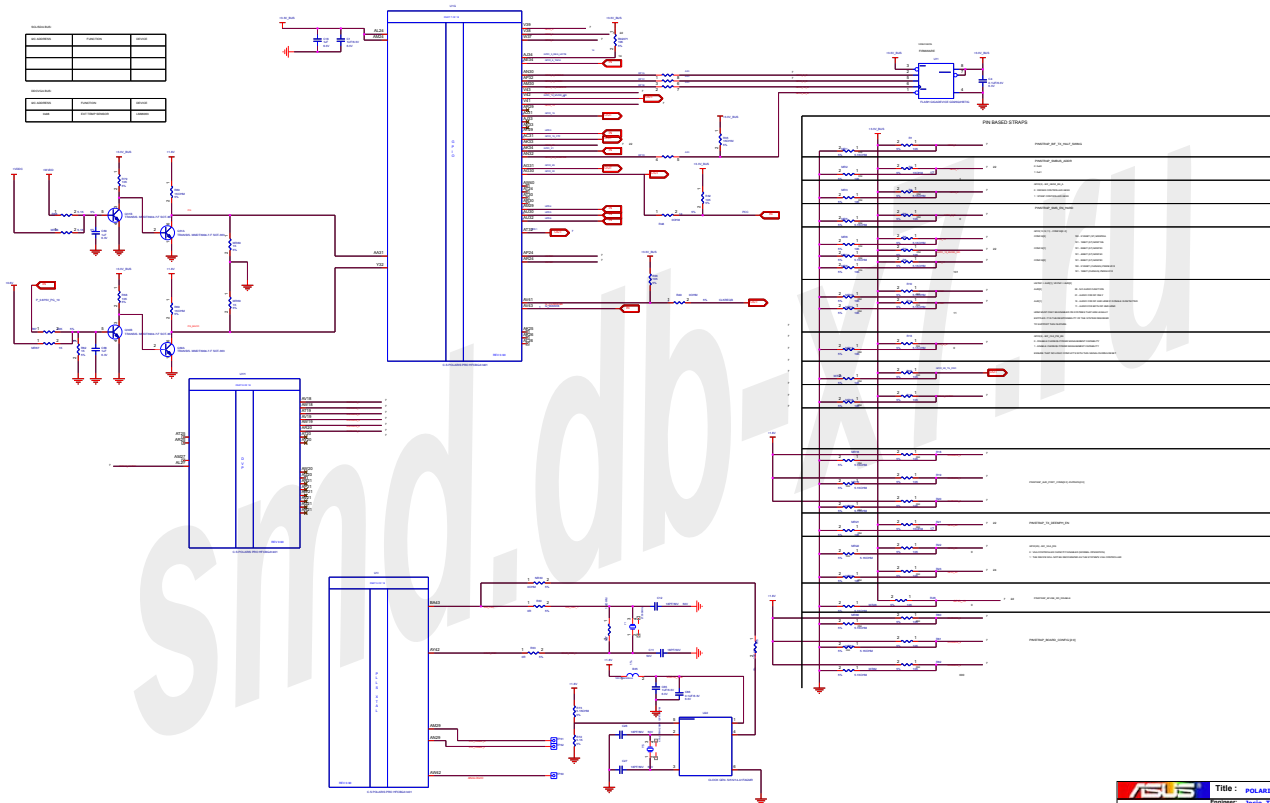
(5) GDDR5 MEMORY CH A/B

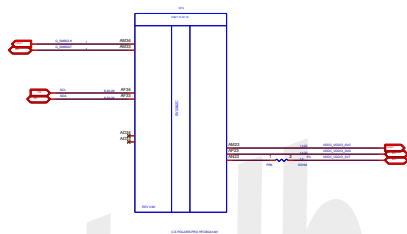


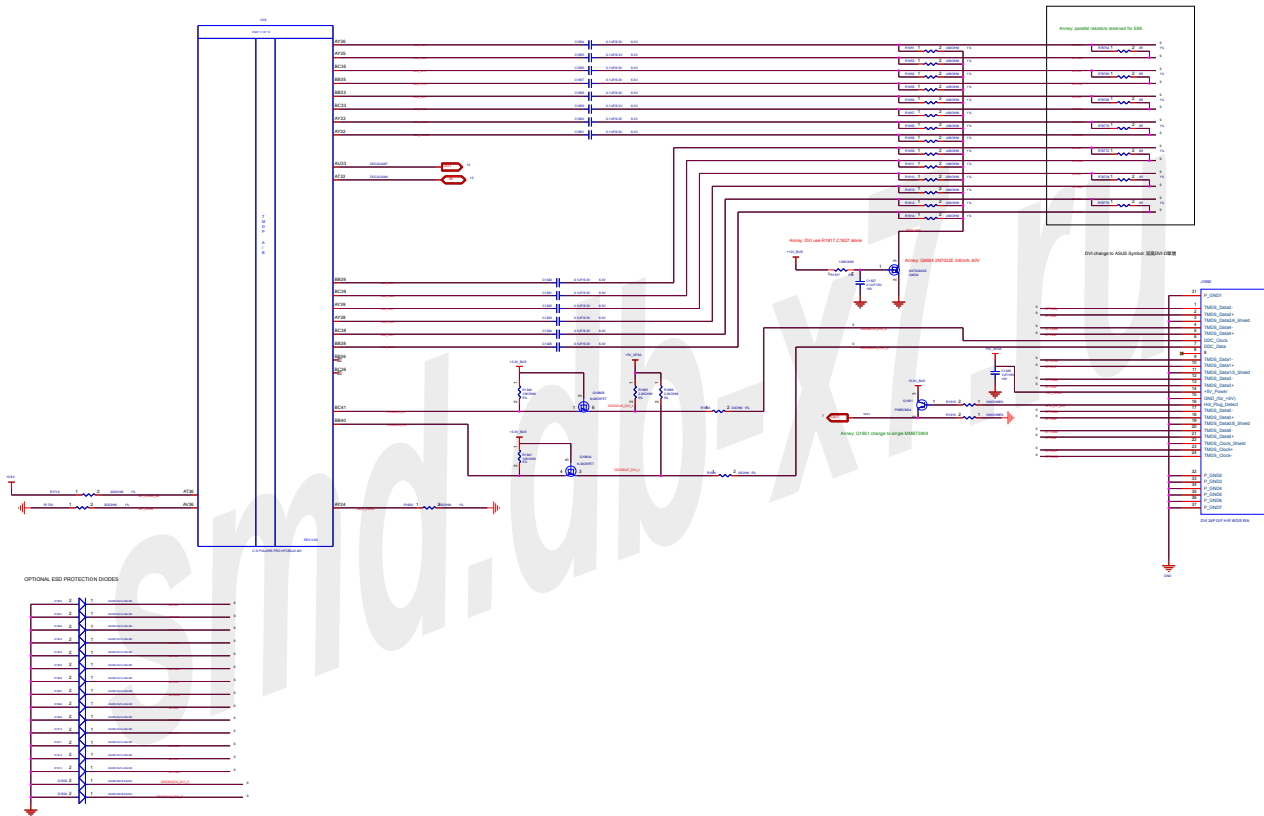
(6) GDDR5 MEMORY CH C/D

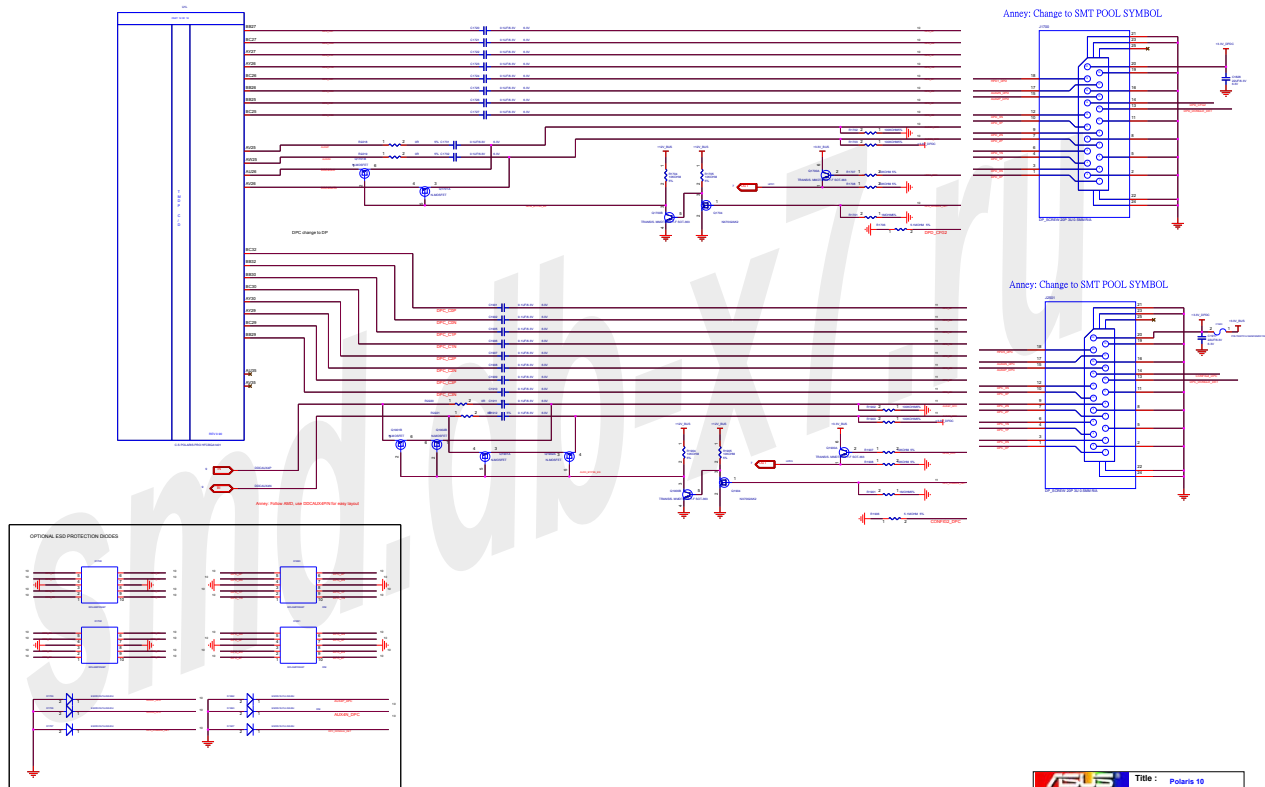


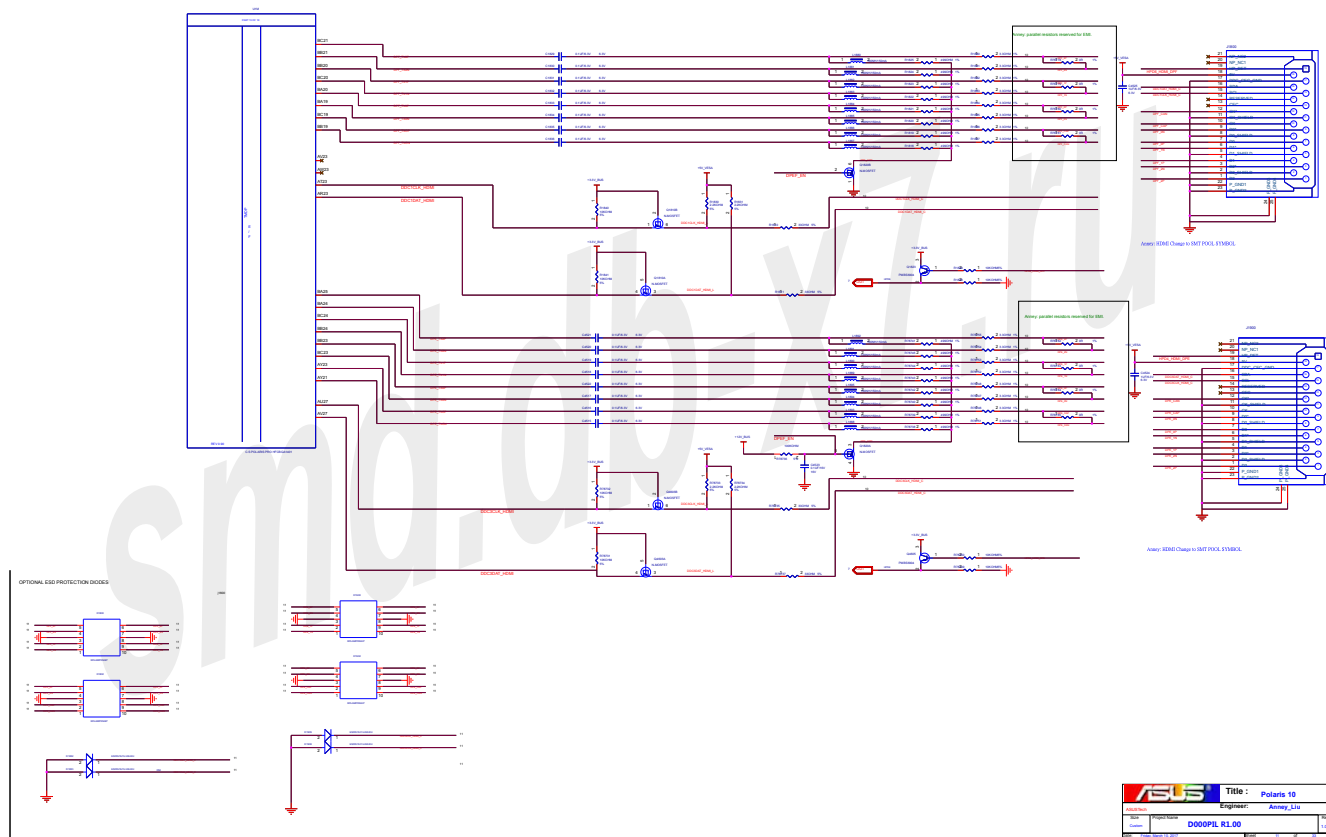
(7) ELLESMERE GPIO STRAP CF XTAL

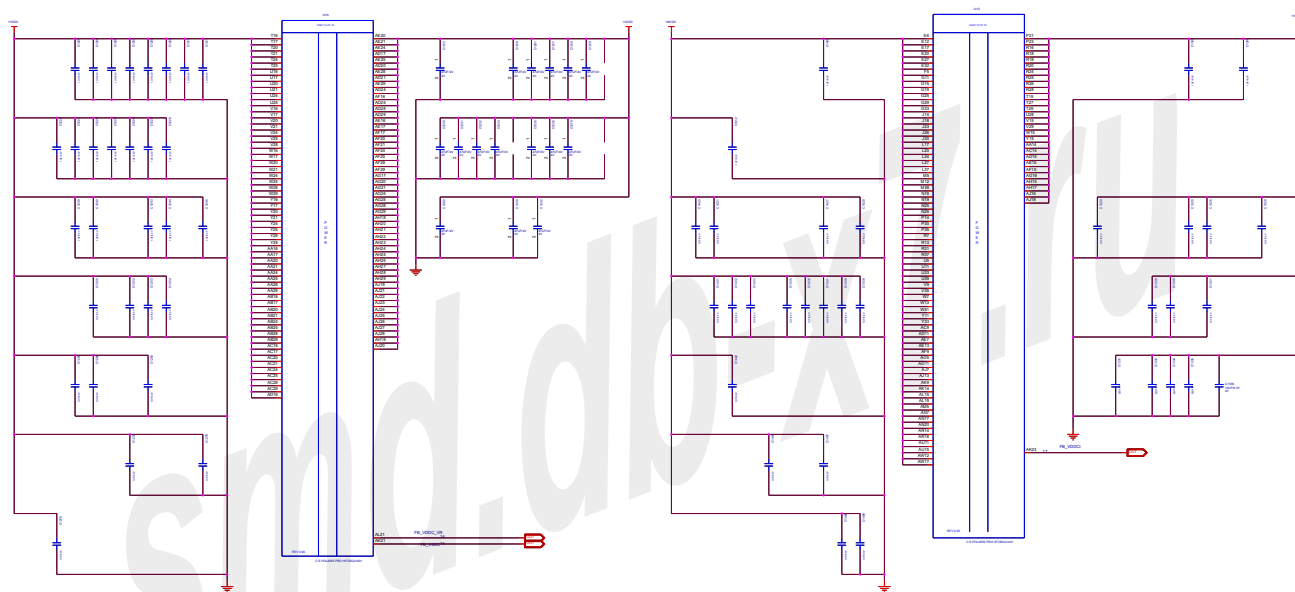








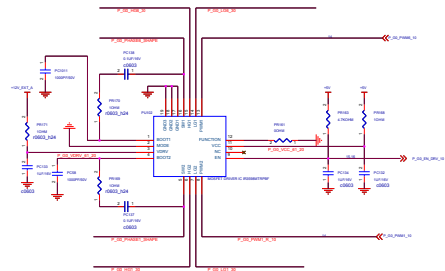




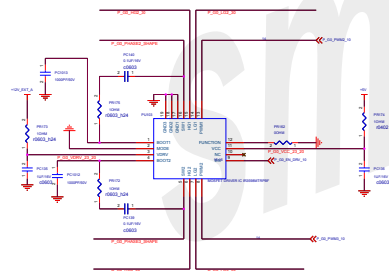
[illegible]



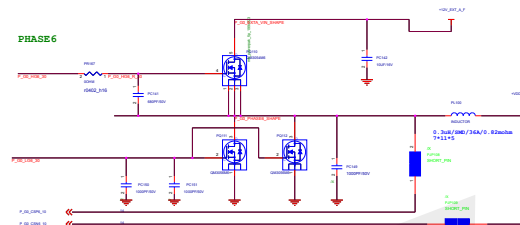
PHASE6_1



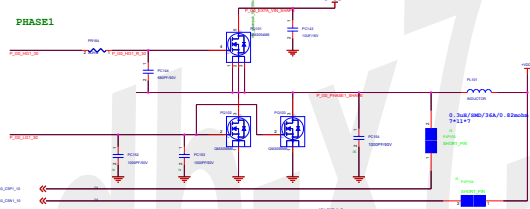
PHASE2-3



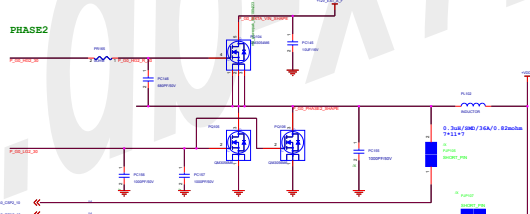
PHASE6



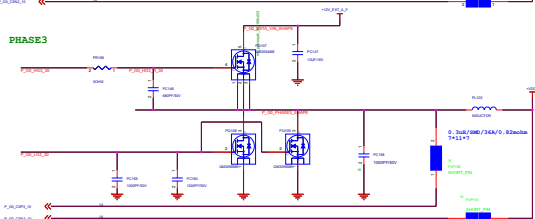
PHASE1



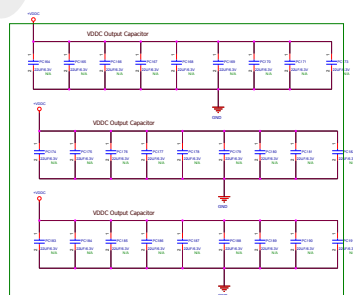
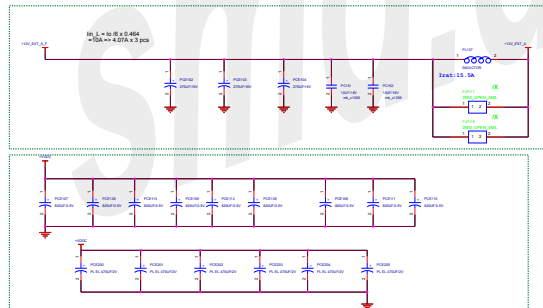
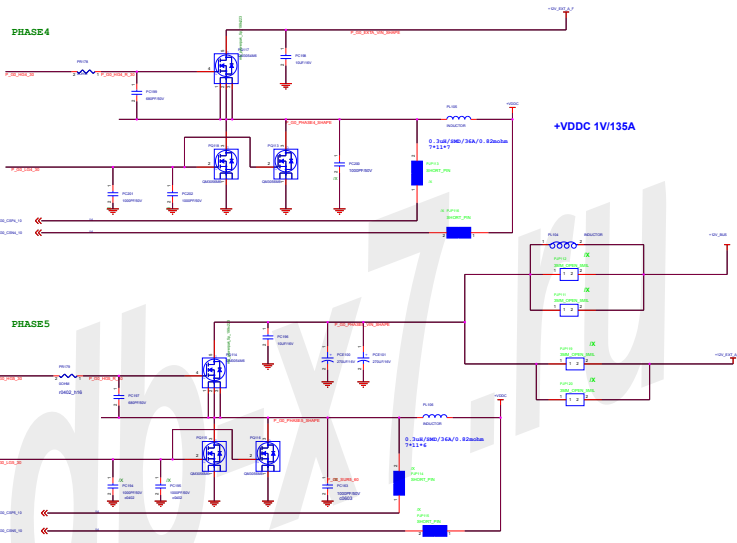
PHASE2



PHASE3

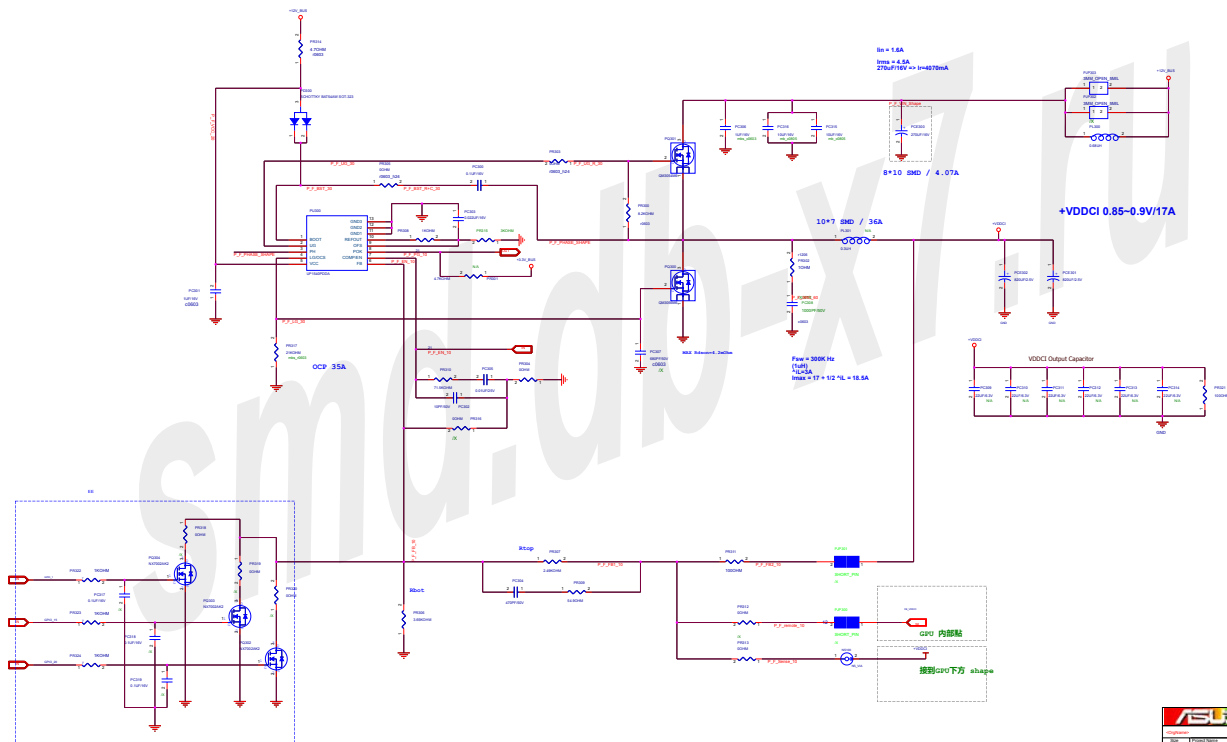


+VDDC 1V/135A

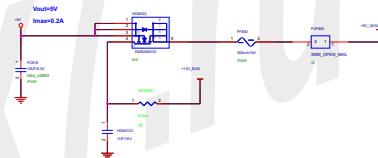
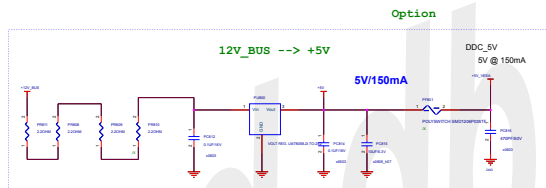
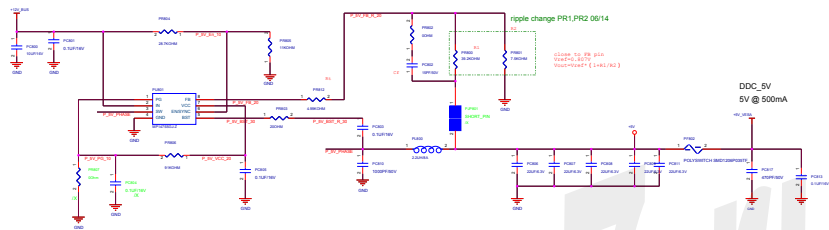


(17) VDDCI 1 Phase

+12V_EXT_A --> +VDDCI

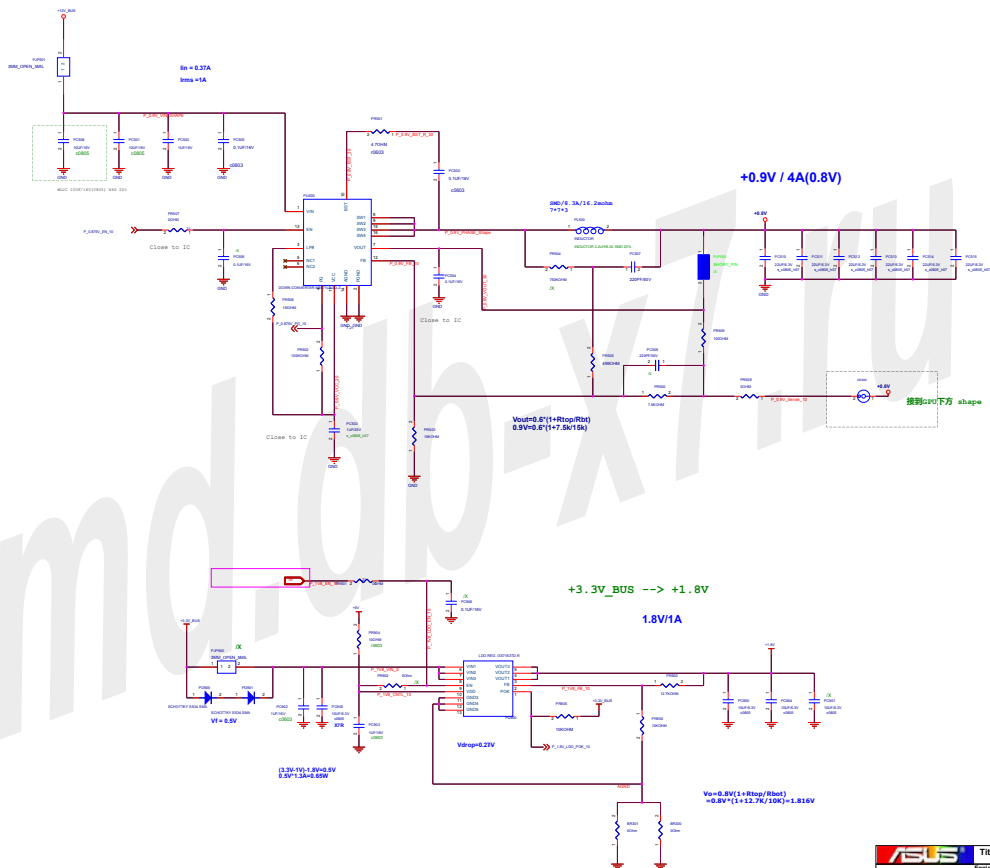


(20) Power 5V, 1V8,



(20) SMALL RAIL REGULATORS

12V_PEX6 --> +0.9V



(21) POWER MANAGEMENT

Input source

PEX_3V3 INPUT - 10W



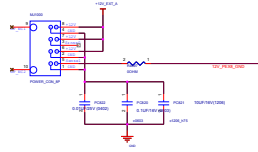
PEX_12V INPUT - 66W



PEX8 INPUT - 150W

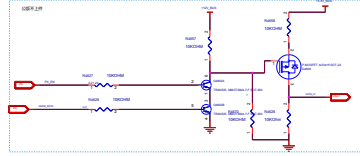
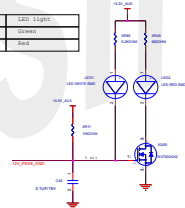
MUST BE ATTACHED AND POWERED TO START BOARD

Charge 9000mAh battery module

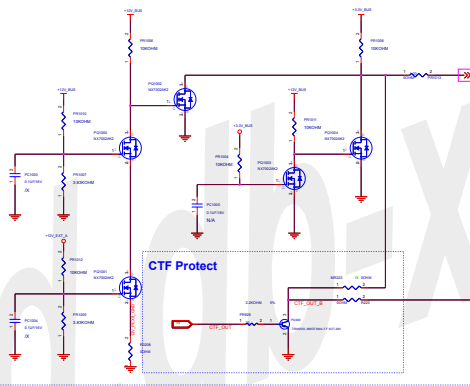


Ext Power detect

LED1 Light	
Cable1 Connected	Green
Cable2 Connected	Red

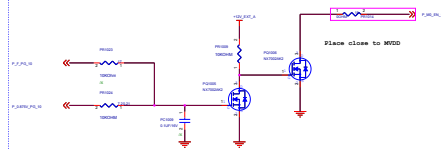


1.8V Enable

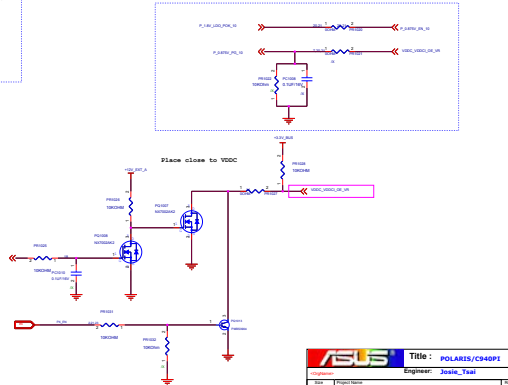


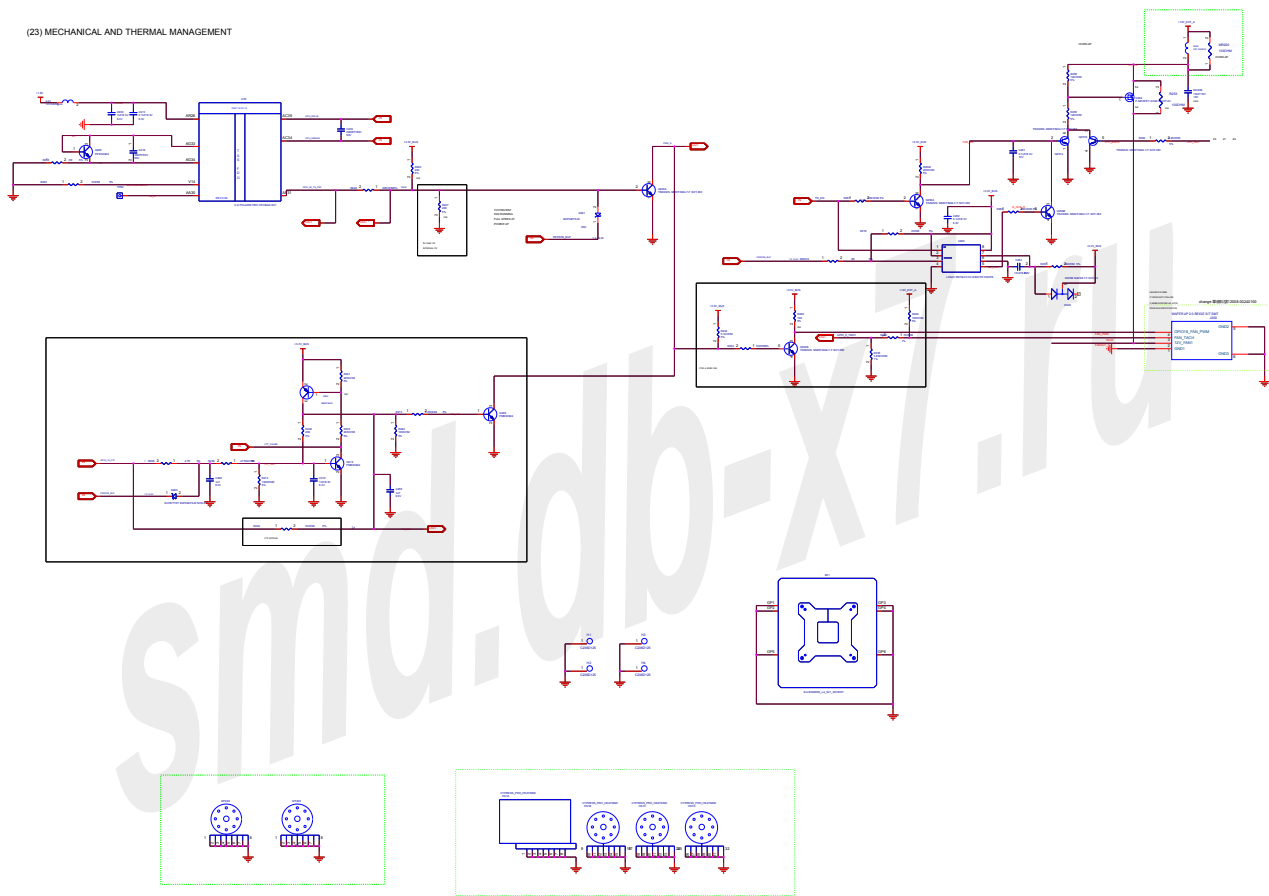
CTF Protect

MVDD Power up Sequencing

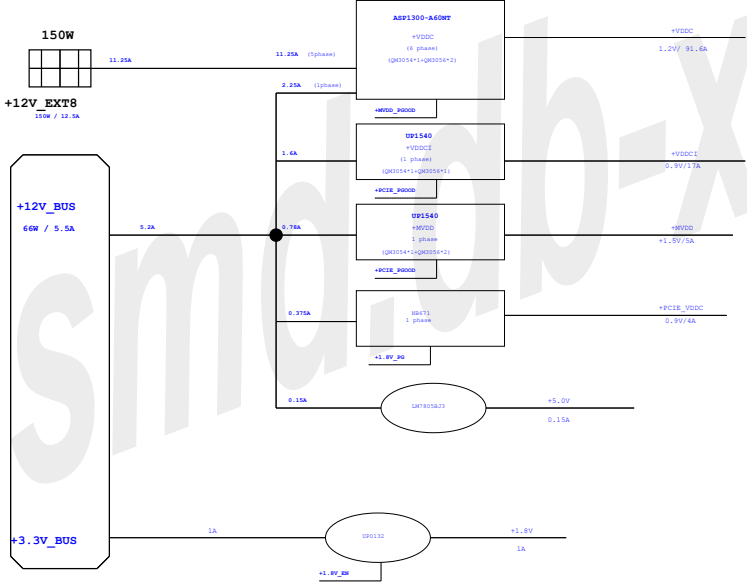
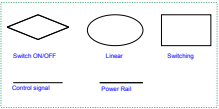


0.875V VDDC/VDDCI Power up Sequencing

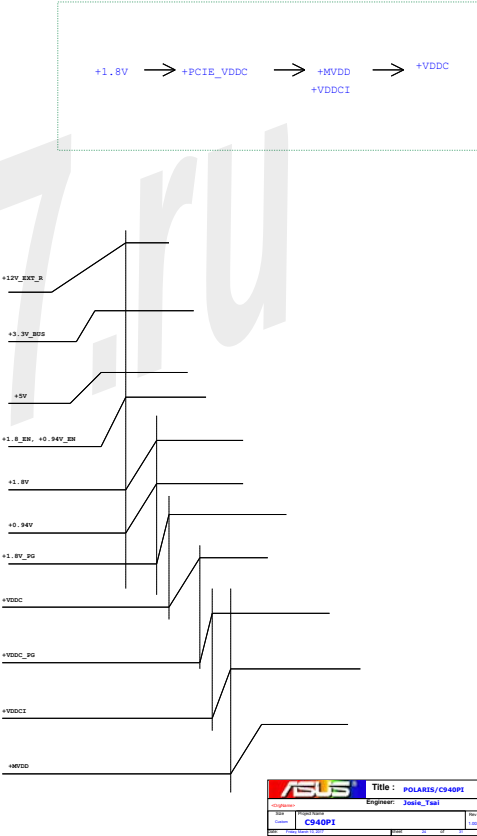




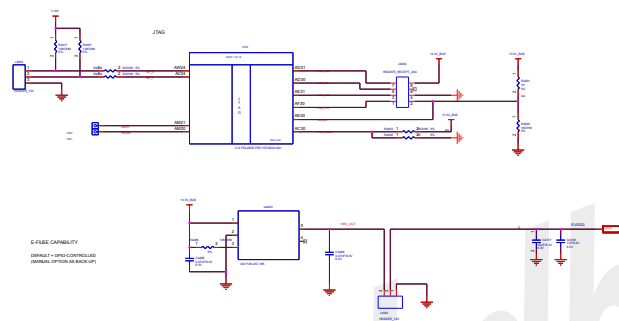
Power Flow

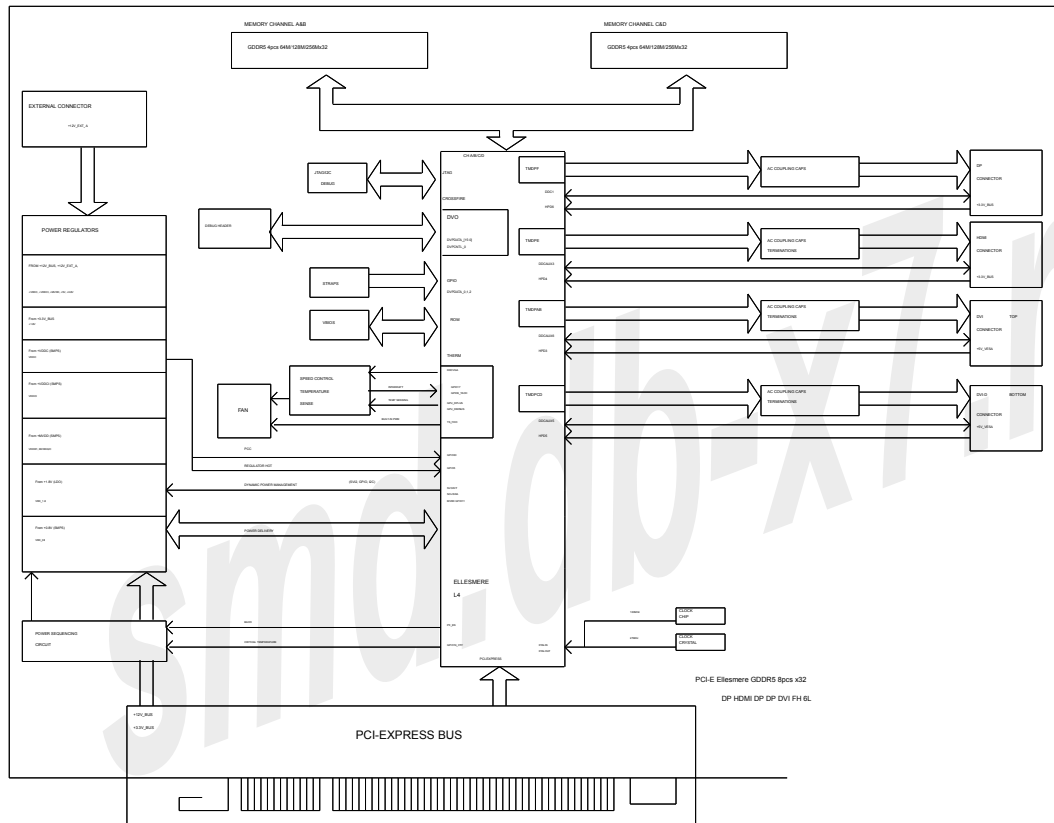


POWER SEQUENCE



(25) DEBUG CIRCUITS





PCI-E Ellesmere GGDR5 8pcs x32
DP HDMI DP DP DVI FH BL