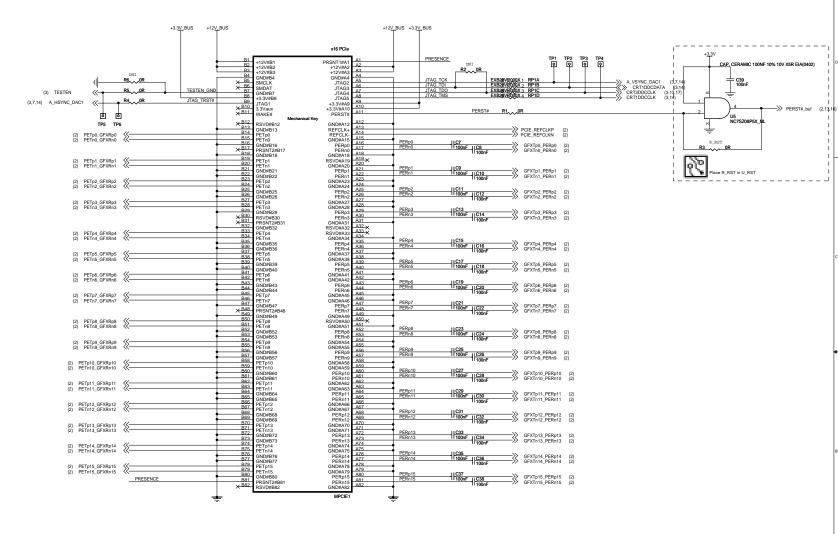
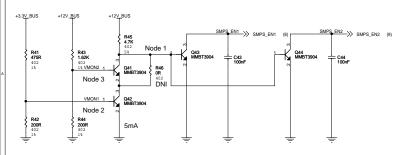


PCI-EXPRESS EDGE CONNECTOR



POWER SEQUENCING



Power Sequence Circuit to ensure SMPS_EN is released after +12V_BUS and +3.3V_BUS are both in regulation.
Pull-up may or may not be required on SMPS_EN signal depending on SMPS design.

Node 1 When +12V ramps above min Vbe, SMPS_EN will be helt low

Node 2 When +3.3V gets close to regulation, one of the two conditions of releasing SMPS_EN is active

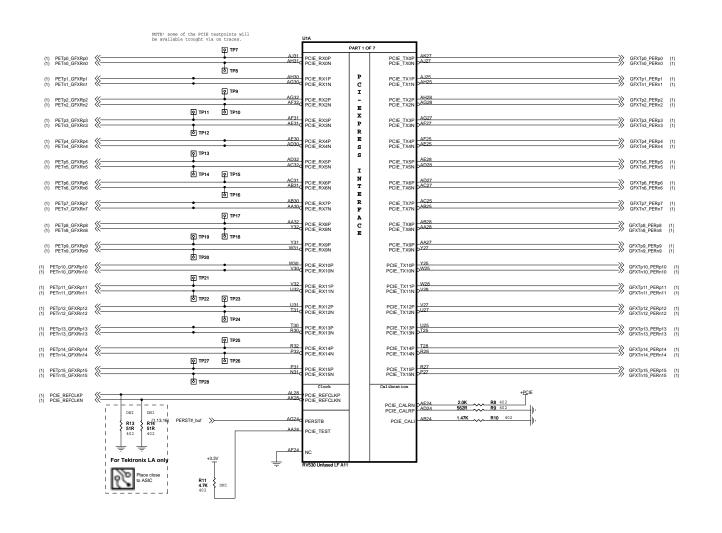
Target ~ 900mV when +3.3 at min regulation (worse case)
Typical trigger when +3.3V ramps above 2.2V (650mV)

Node 3 When +12V gets close to regulation, one of the two conditions of releasing SMPS_EN is active

Target ~ 1.25V when +12 at min regulation (worse case)
Typical trigger when +12V ramps above 10V (1.1V)



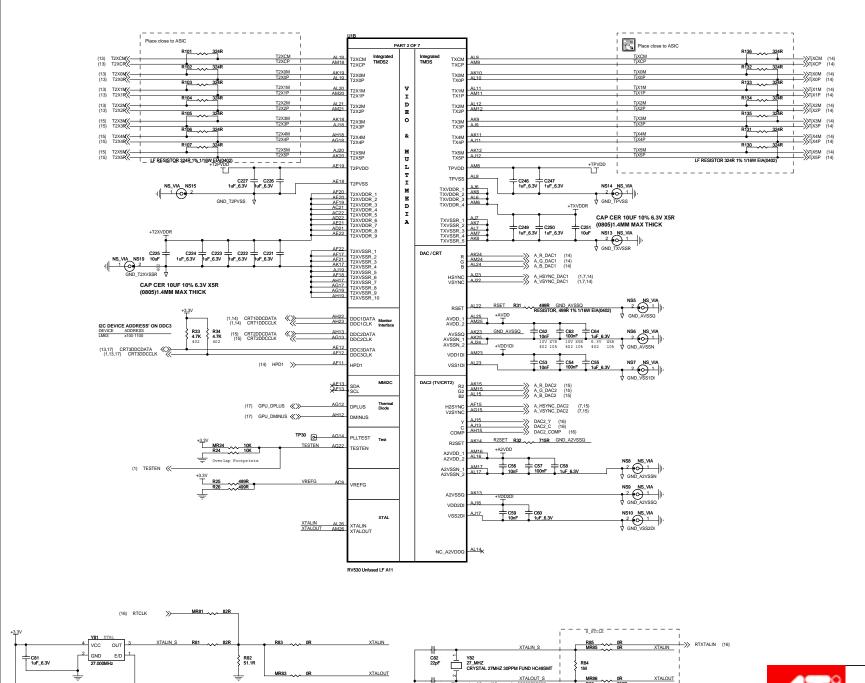




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Tidio
RV530/RV515 256MB DDR3-136 Dual 2xDVI VIVO FM
RV550/RV515 256MB DDR3-136 Dual 2xDVI VIVO FM
RV550/RV515 256MB DDR3-136 Dual 2xDVI VIVO FM
RV550/RV515 256MB DDR3-136 Dual 2xDVI VIVO FM
RV550



XTALOUT

XTAL FN

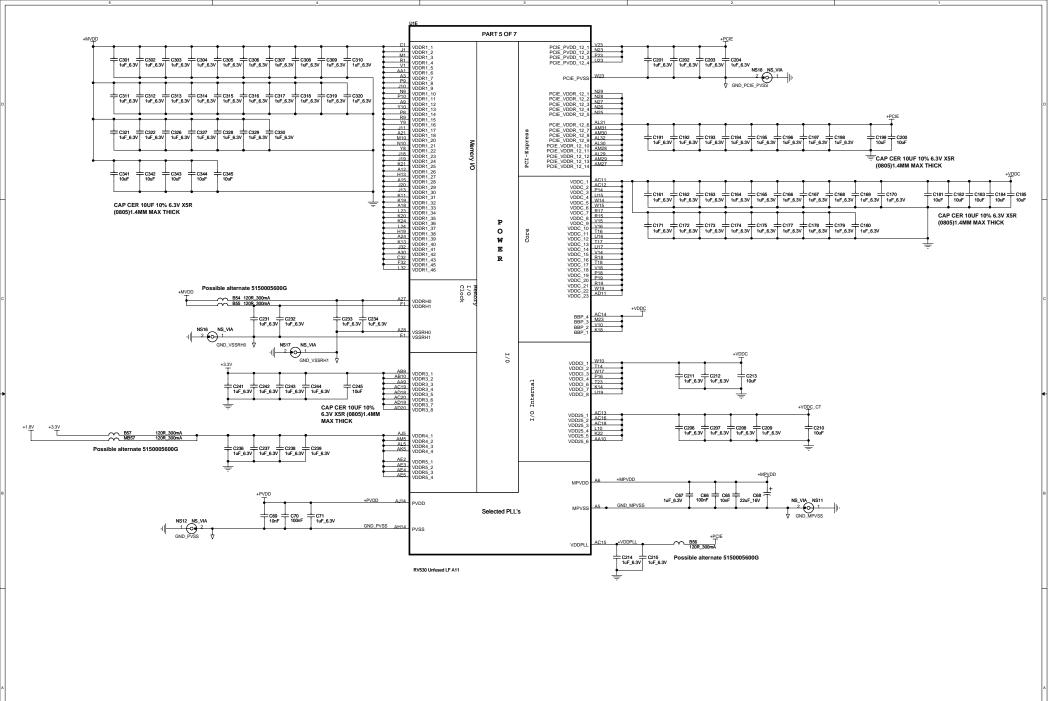
C83 22pF



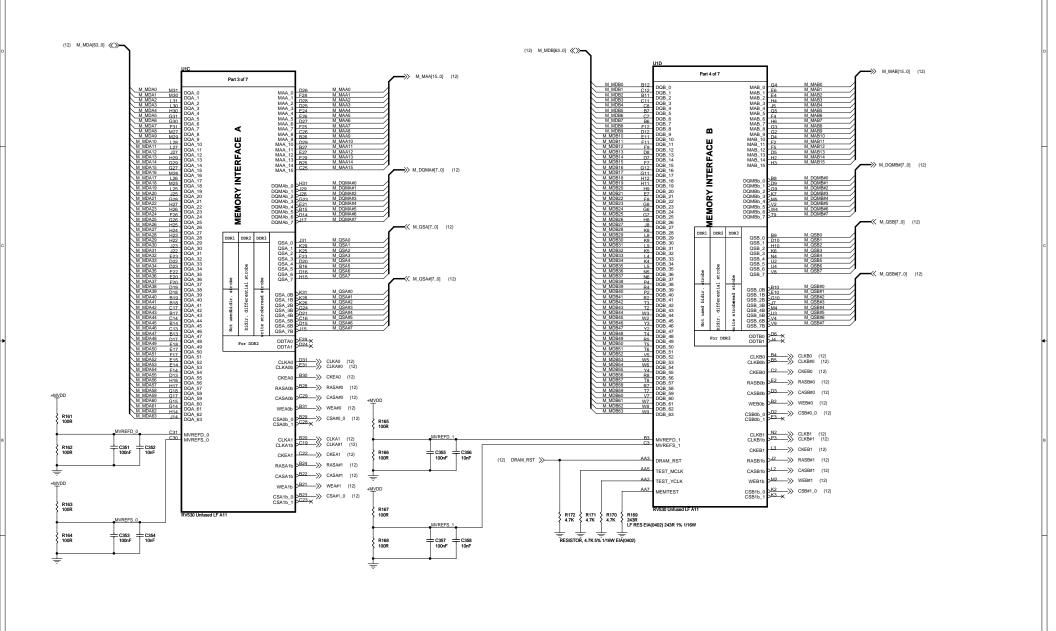
XTALOUT

Place R_RTCLK close to XTAL so the

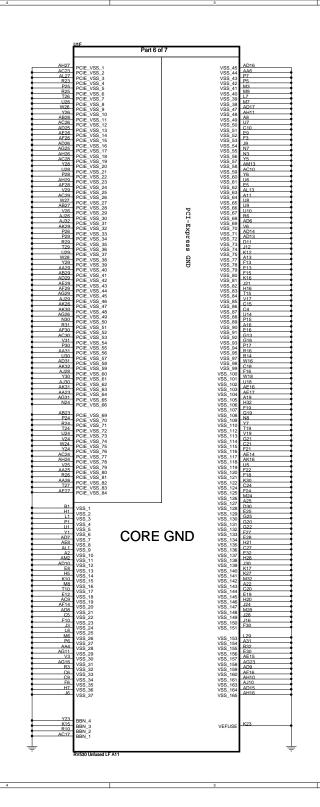
->> RTXTALOUT (16)



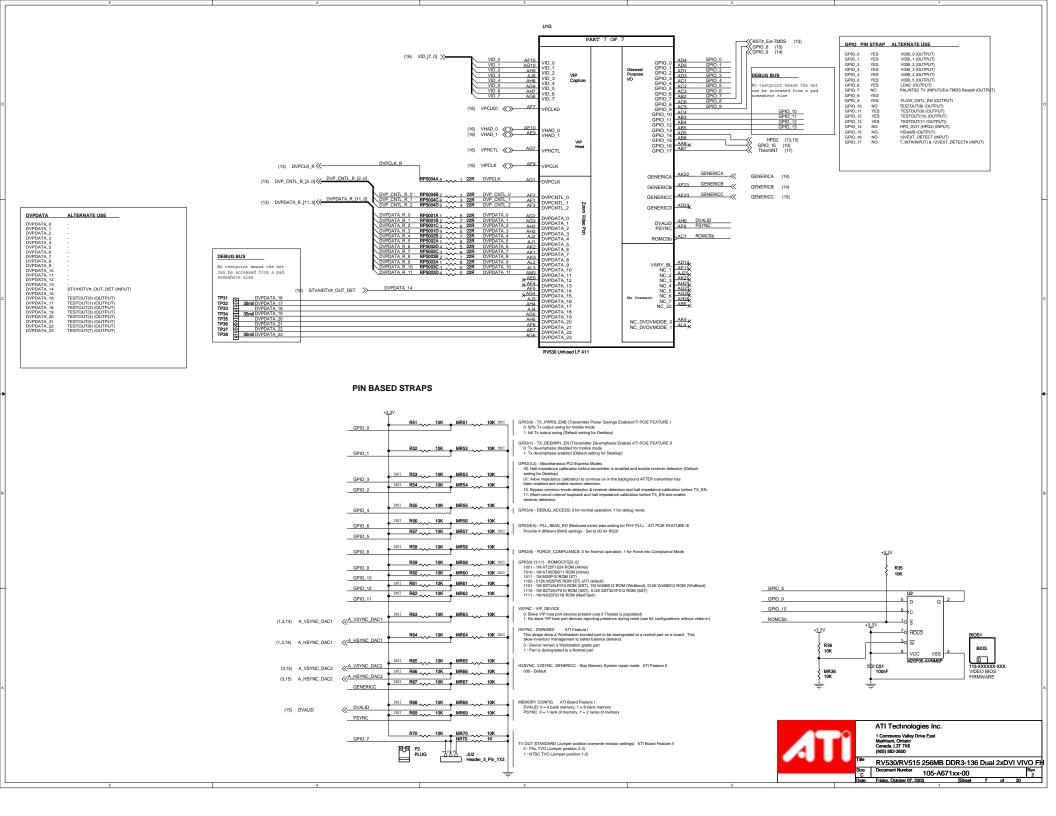


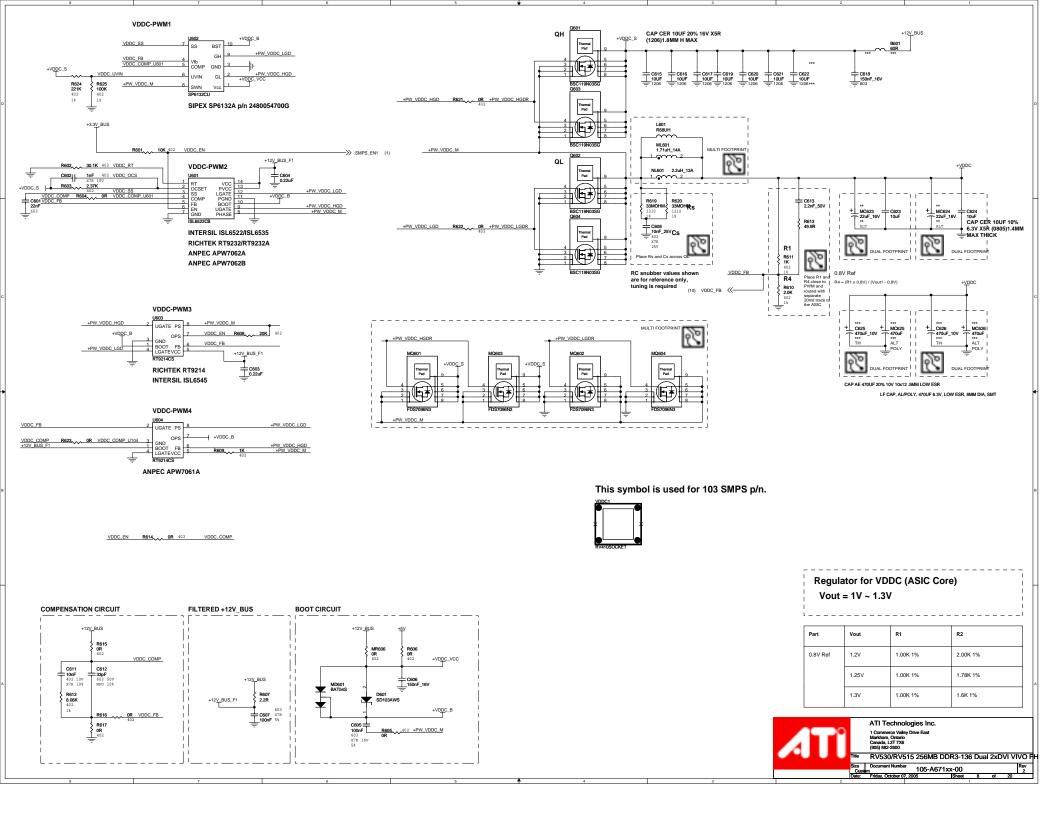


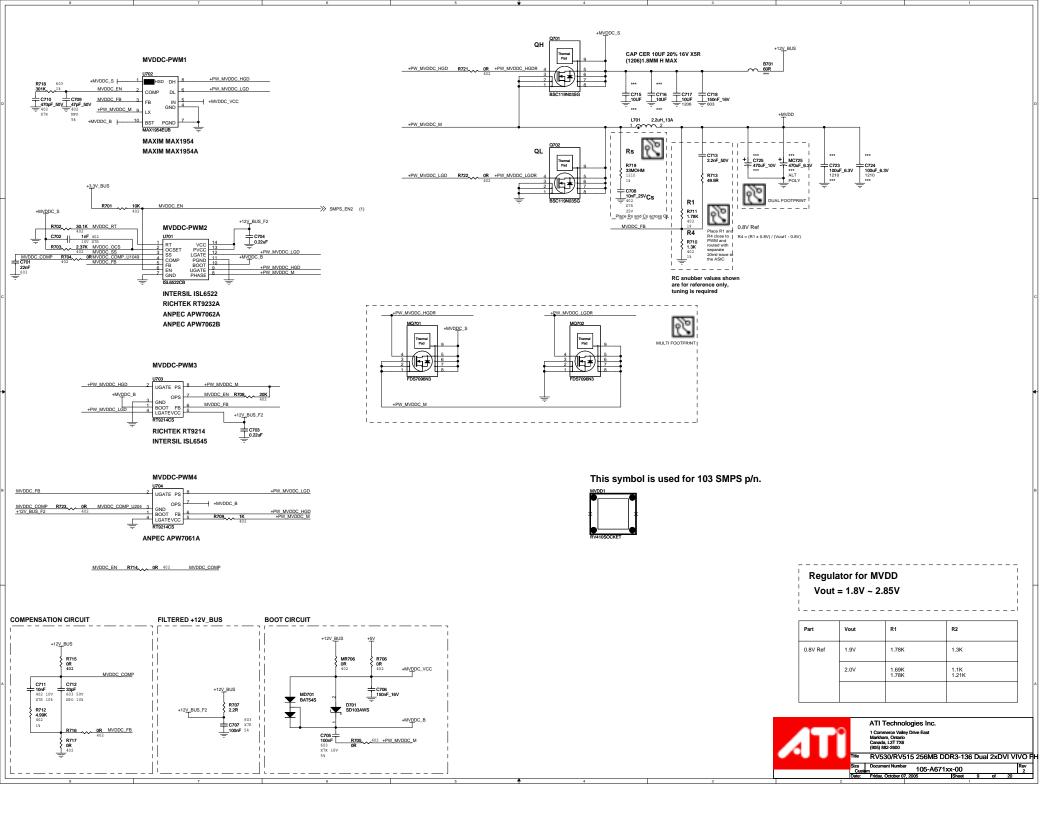


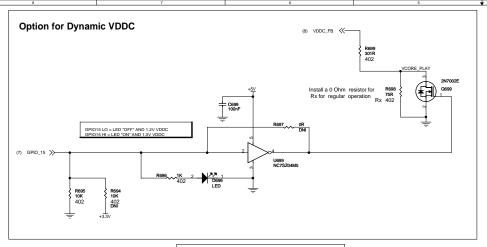


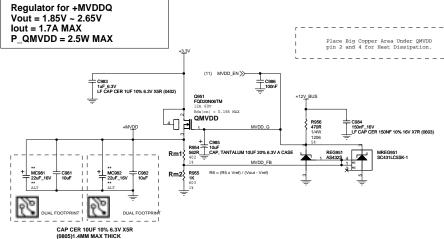












| voltage Req. | Km1 | | Rm2 | | |
|----------------------|-------|-------------|------|-------------|------------|
| | | | | | |
| | | | | | |
| 2.85V | | | | - | |
| 2.55V | 22.1R | 316022R100G | 1.1K | 3240110100G | 2.5V Ref. |
| 2.5V | 0R | 3150000000 | D١ | 11 | 2.5V Ref. |
| 2.1V min | 681R | 3160681000G | 953R | 3240953000 | 1.24V Ref. |
| 2.0V min | 681R | 3160681000G | 1.1K | 3240110100G | 1.24V Ref. |
| 1.9V min, 1.94V nom. | 562R | 3160562000G | 1K | 3160100100G | 1.24V Ref. |

Valtage Day | Day

