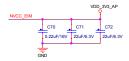


NOTE:
The VDDARM CAP and VDDARM23 CAP rails have been optimized for use with
the i.MX 6 Quad and i.MX 6 DualLite processors.
To achieve the lowest power mode (preventing internal leakage) when using
the i.MX 6 Dual and the i.MX 6 SoloLite
processors, VDDARM CAP should be split from VDDARM23 CAP and the
VDDARM23 CAP pins should be connected to ground.
This can'd be done on a single board configured for use with all four
processors by placing a Zero Ohm resistor between the
VDDARM CAP and VDDARM23 CAF rails (in place of the straight net
connection). To use the board with different processors,
and depopulate resistor when using Dual and SoloLite processors and
depopulate resistor when using Dual and SoloLite processors. When using Dual and SoloLite processors attached to VDDARM2 CAF pins and
replace one of the capacitors with a zero Ohm resistor to short pins to
ground. The configuration in this schematic will work with
all four processors, but will not result in the most power optimized
configuration for the i.MX 6 Dual and Solo processors.

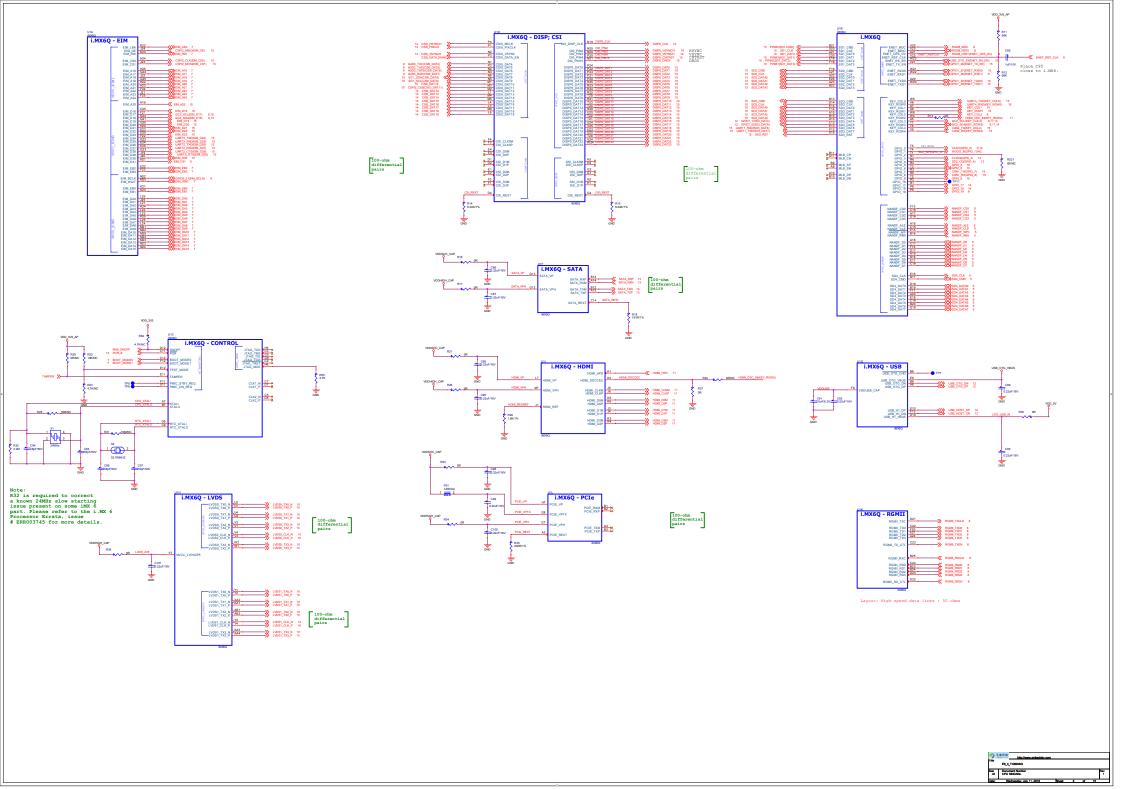
LAYOUT NOTE:
It is critical that the bulk and decoupling capacitors placed on the VDDARM CAP, VDDARM23 CAP, VDDSCC CAP and VDDFU rails be placed directly underneath the processors. Development testing has shown that proper placement of the capacitors can reduce ripple on the voltage rails by as much as 50 compared to placing capacitors outside the physical boundaries of the processor. These will result in more stable processor operations.

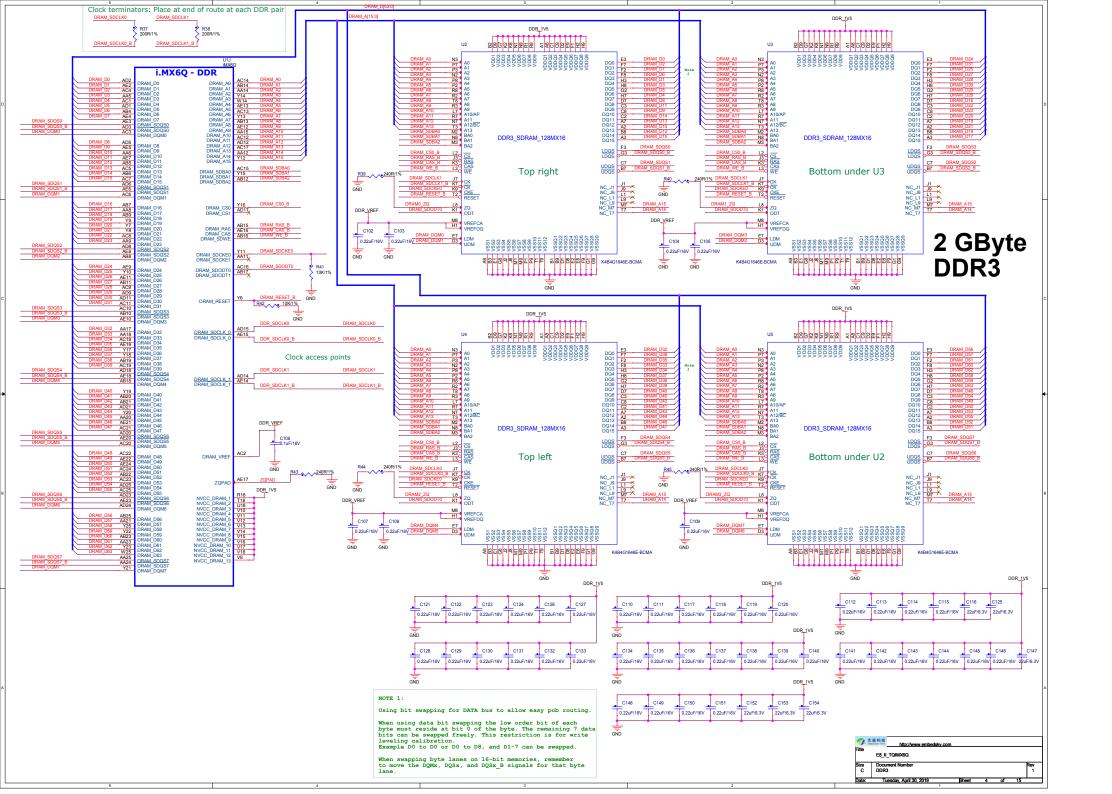




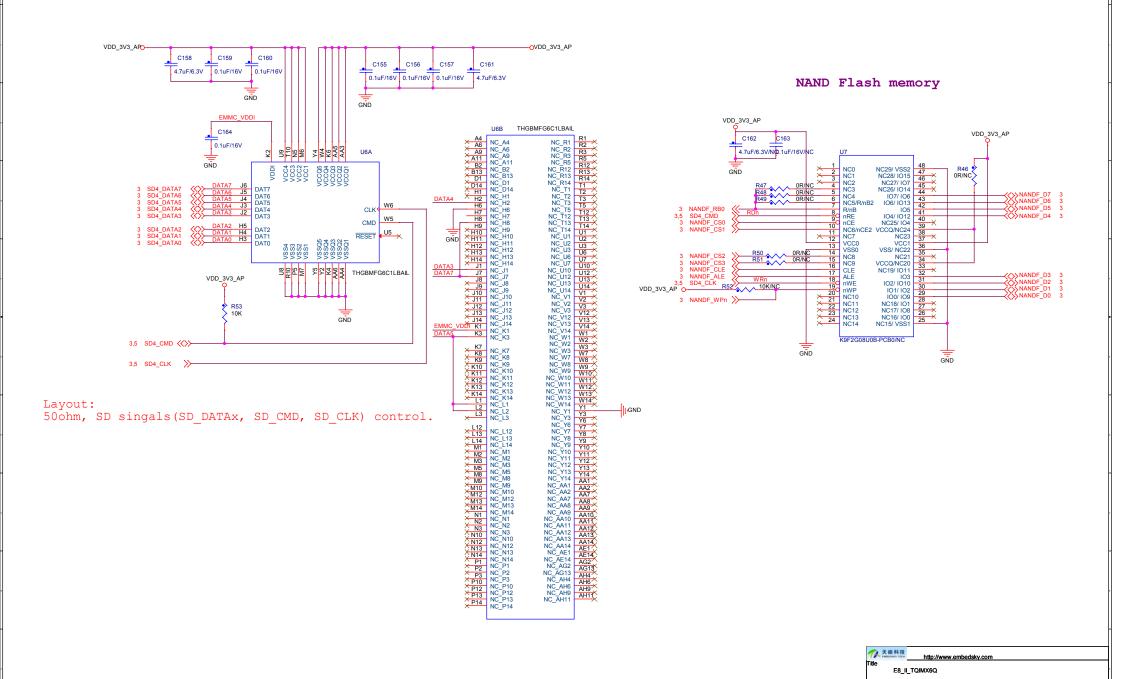




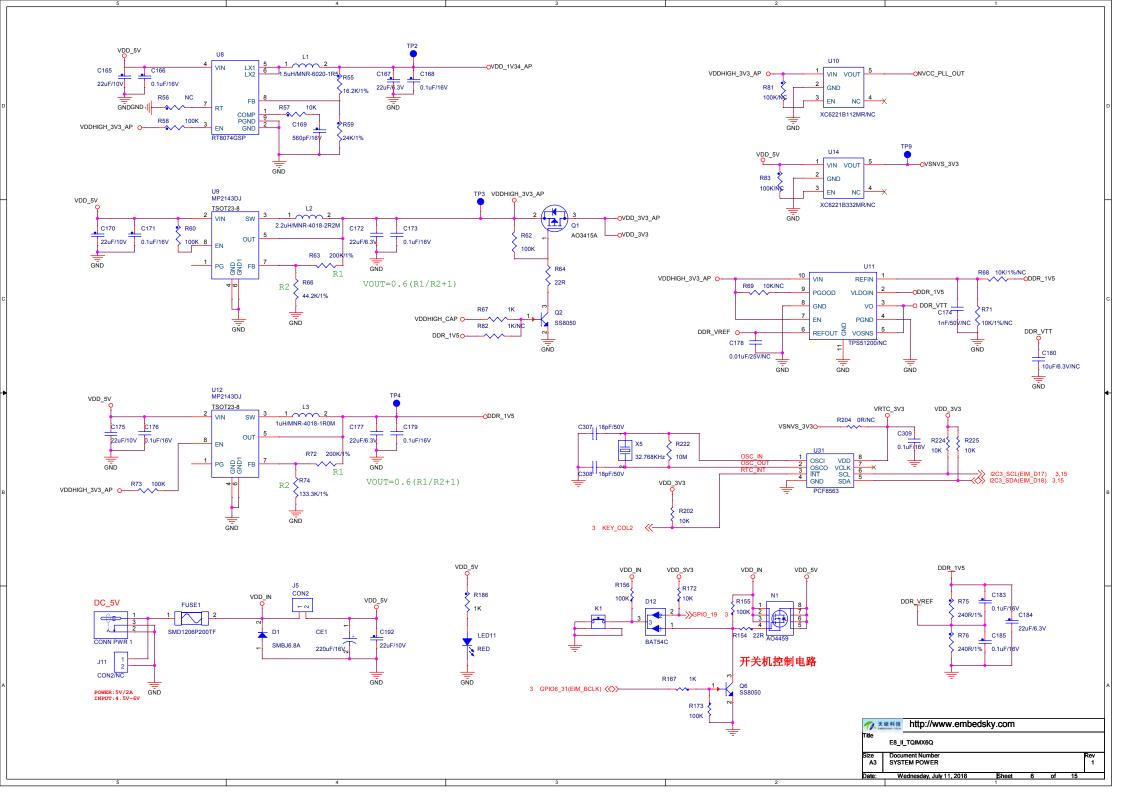


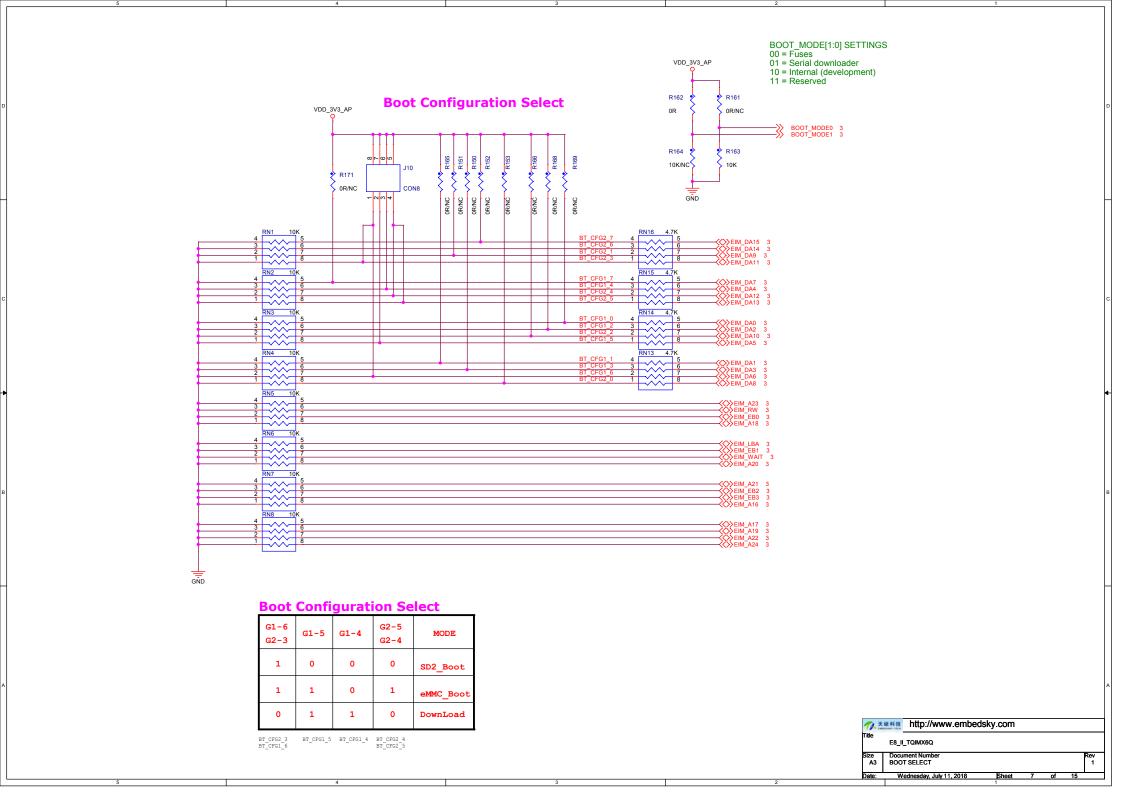


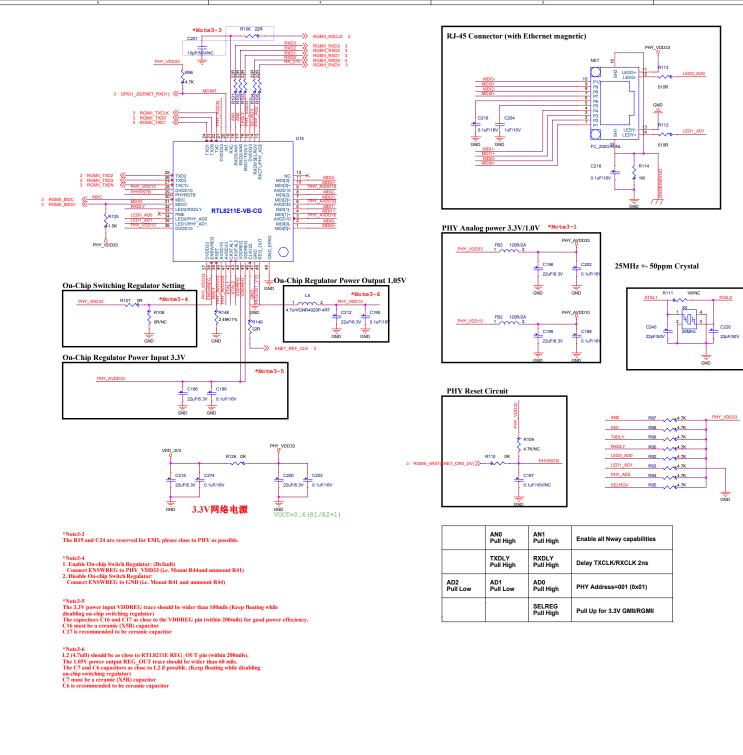
8GB eMMC MEMORY



EMMC/NAND
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