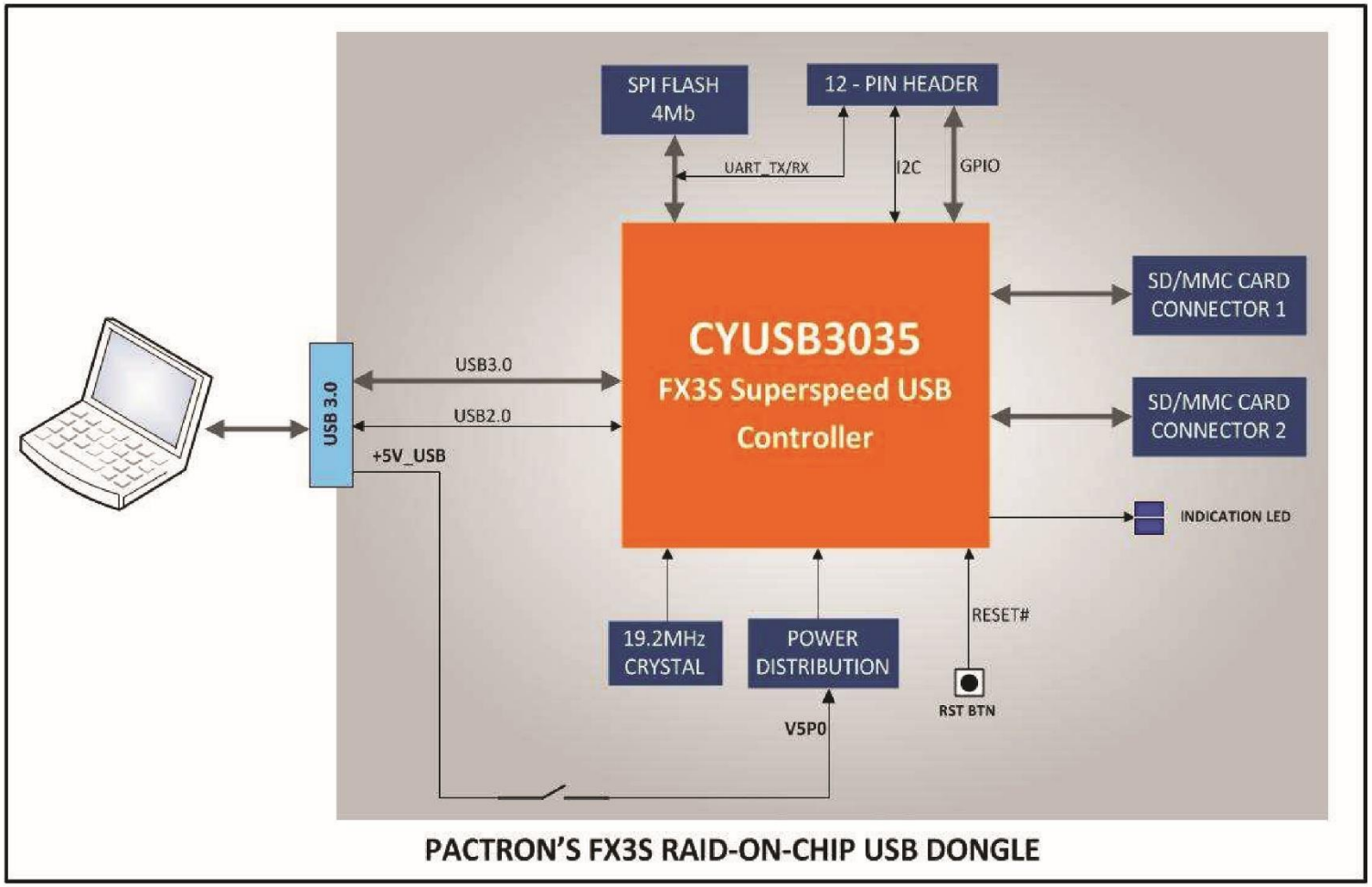
FX3S RAID-ON-CHIP USB DONGLE

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01	TITLE PAGE
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05	USB,POWER & DEOCUPLING CONNECTION
06	POWER DISTRIBUTION SECTION

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FX3S RAID-ON-CHIP USB DONGLE



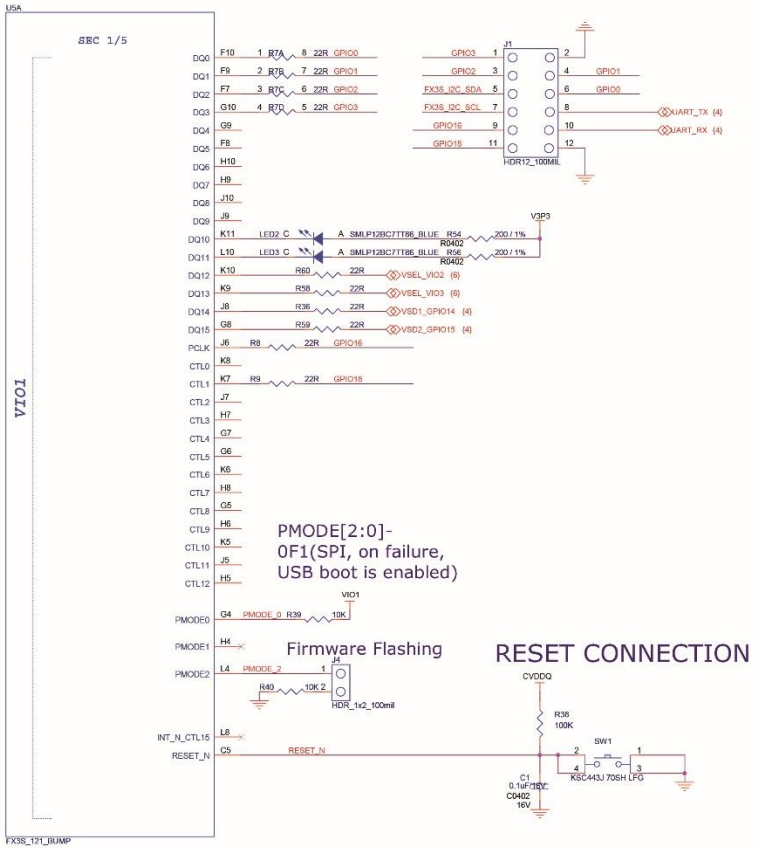
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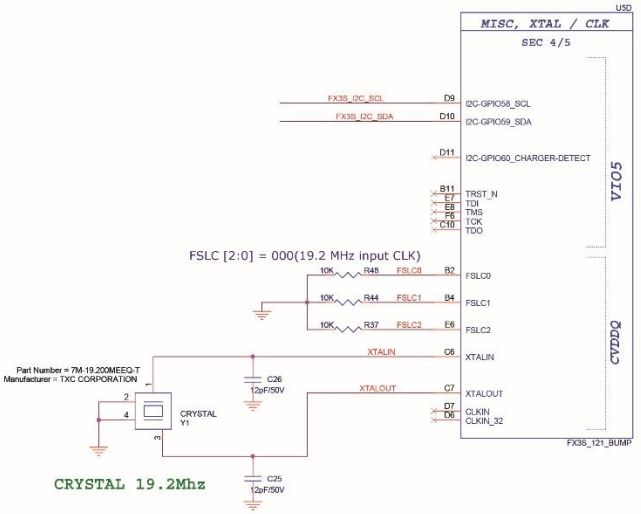
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Size	Document Number: BLOCK DIAGRAM	Rev: 2.0
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VIO1 & VIO5 CONNECTIONS

VIO1 P-PORT CONNECTIONS



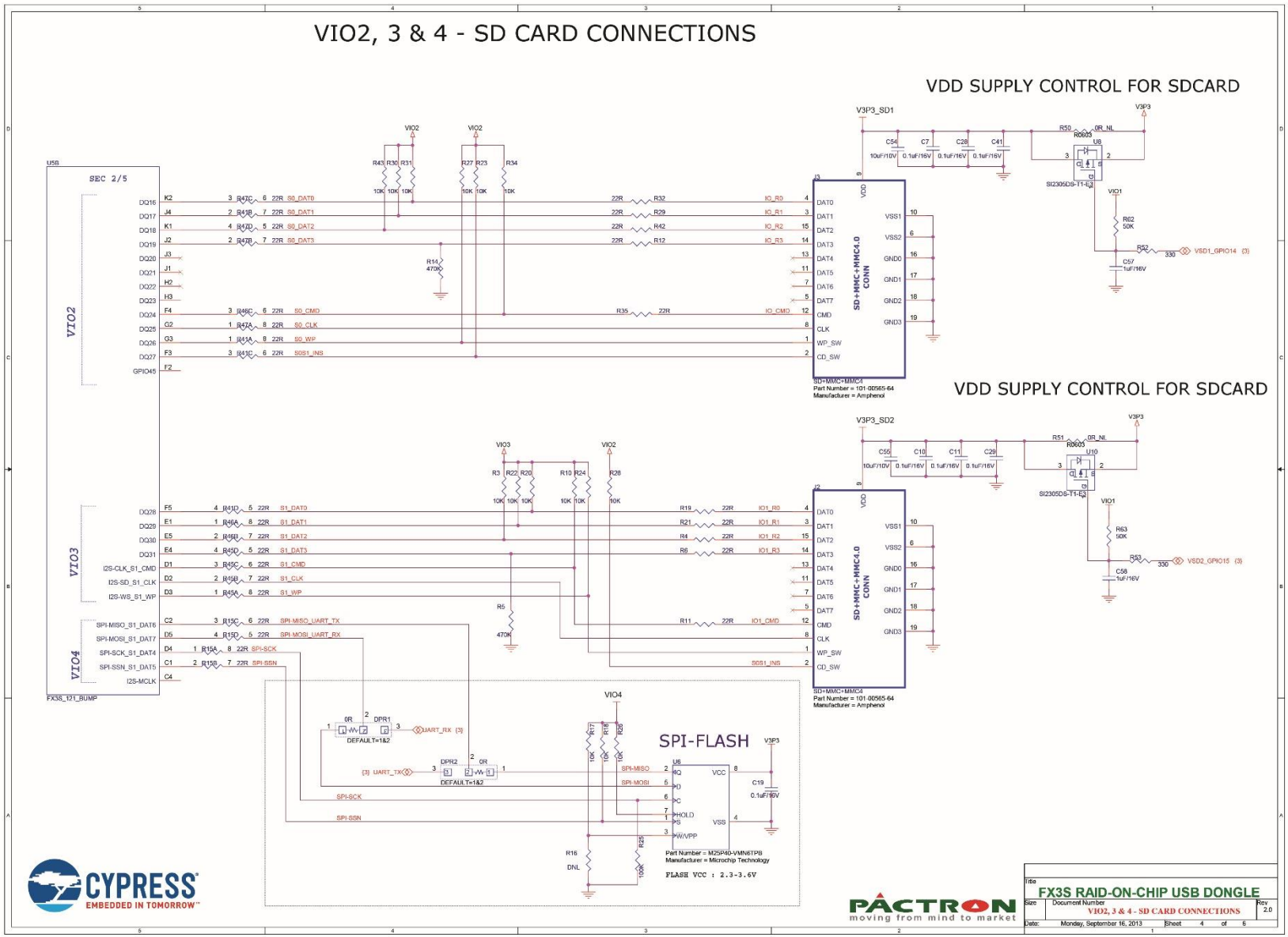
VIO5 GROUP & CLOCK CONNECTIONS



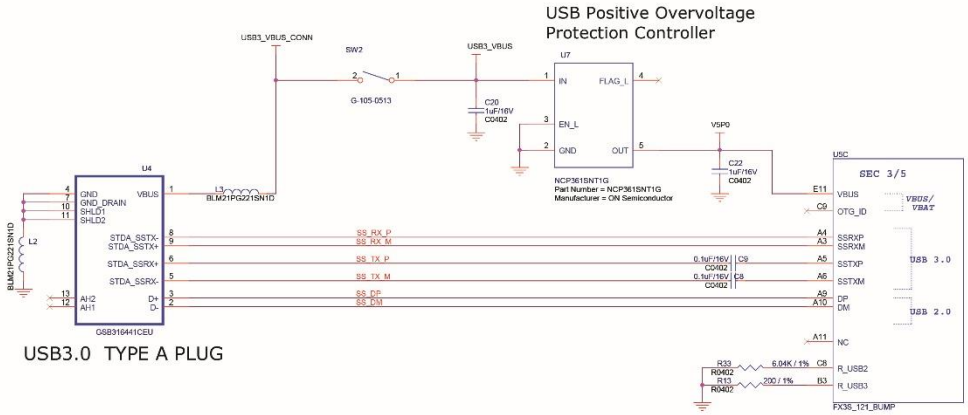
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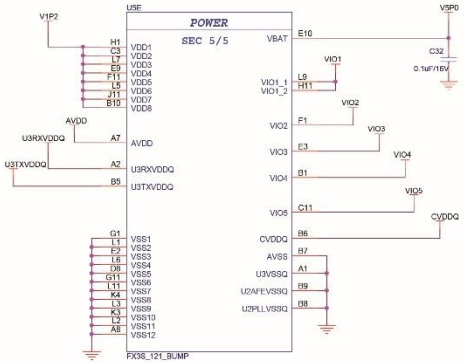

VIO2, 3 & 4 - SD CARD CONNECTIONS
VDD SUPPLY CONTROL FOR SDCARD
VDD SUPPLY CONTROL FOR SDCARD
SEC 2/5
FX3S_121_BUMP
SD+MMC+MMC4.0 CONN
SD+MMC+MMC4
Part Number = 101-00565-64
Manufacturer = Amphenol
SPI-FLASH
Part Number = M25P40-VMN6TPB
Manufacturer = Microchip Technology
FLASH VCC : 2.3-3.6V
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FX3S RAID-ON-CHIP USB DONGLE
VIO2, 3 & 4 - SD CARD CONNECTIONS
Monday, September 16, 2013

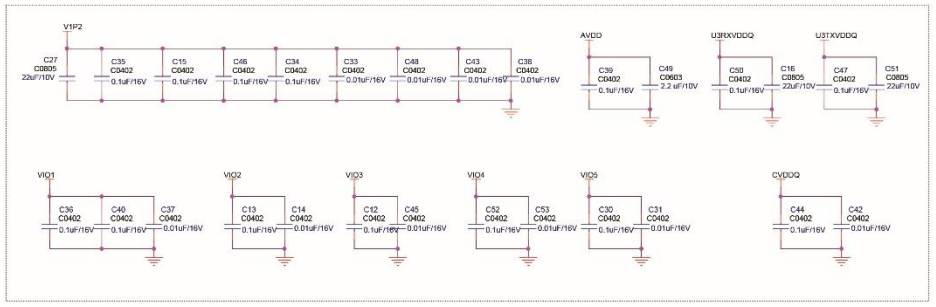
FX3S USB CONNECTION



USB3.0 TYPE A PLUG

FX3S POWER & DECOUPLING





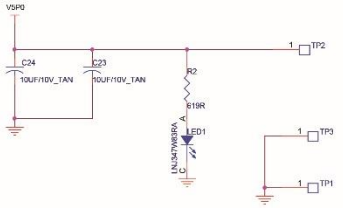
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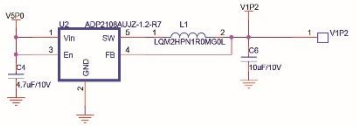
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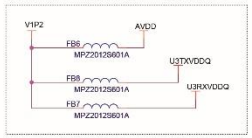
POWER DISTRIBUTION SECTION

INDICATION FOR 5V FROM USB

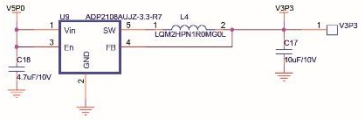


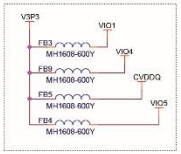
1.2V @ 0.6A FOR FX3S CORE



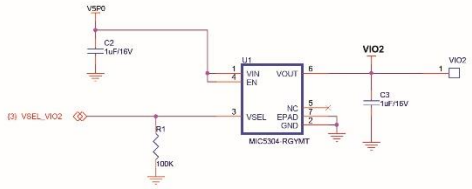


3.3V @ 0.6A FOR VIO1, VIO4, CVDDQ & SD Card



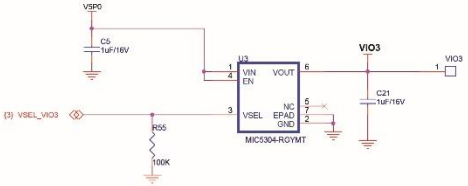


VIO2 (1.8/3.2V @ 0.15A) REGULATOR



BY DEFAULT, VSEL= LOW : 1.8V
VSEL= HIGH: 3.2V

VIO3 (1.8/3.2V @ 0.15A) REGULATOR



BY DEFAULT, VSEL= LOW : 1.8V
VSEL= HIGH: 3.2V

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