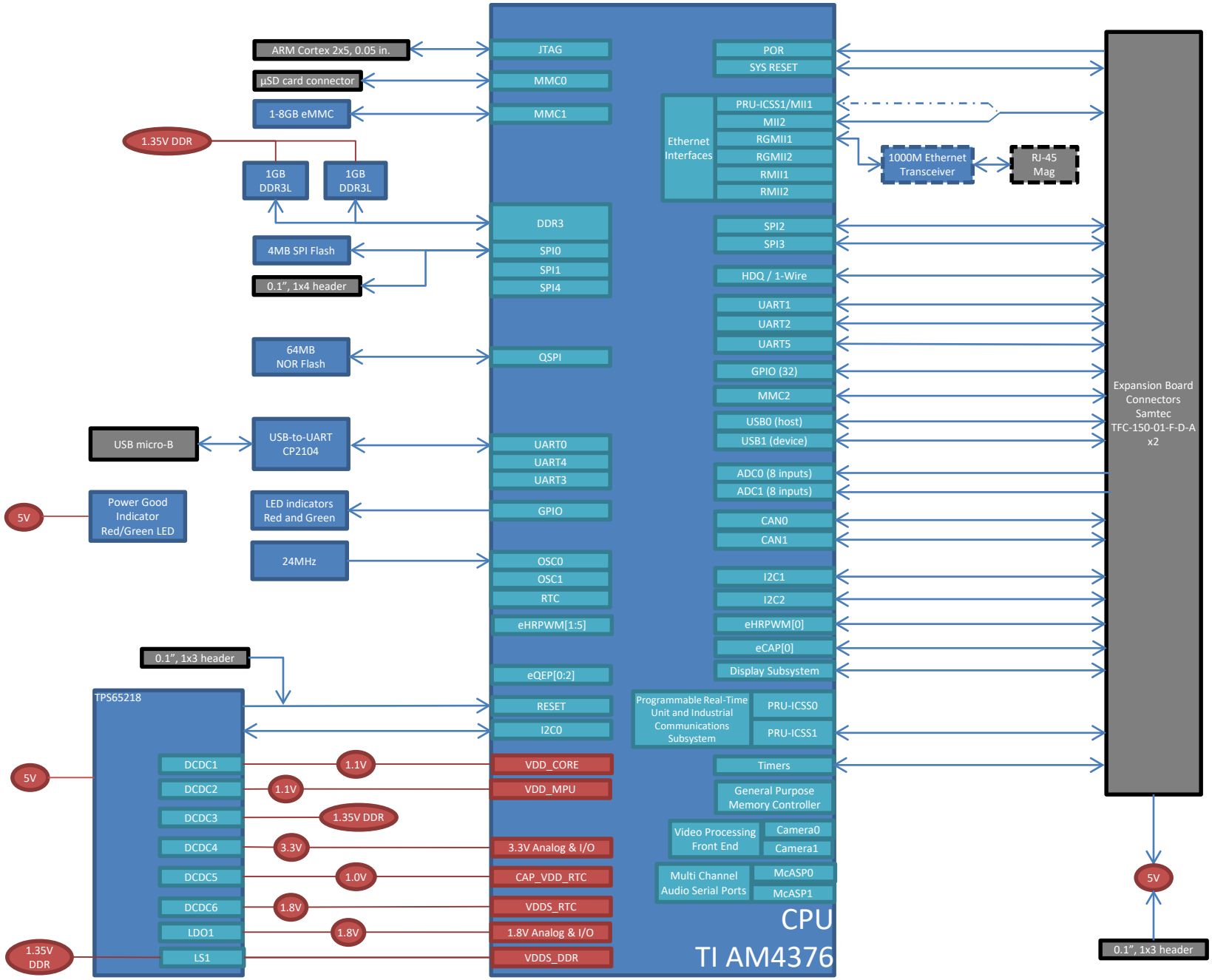
ARM Cortex 2x5, 0.05 in.
µSD card connector
1-8GB eMMC
1.35V DDR
1GB DDR3L
1GB DDR3L
4MB SPI Flash
0.1", 1x4 header
64MB NOR Flash
USB micro-B
USB-to-UART CP2104
5V
Power Good Indicator Red/Green LED
LED indicators Red and Green
24MHz
0.1", 1x3 header
TPS65218
5V
DCDC1
DCDC2
DCDC3
DCDC4
DCDC5
DCDC6
LDO1
LS1
1.35V DDR
1.1V
1.1V
1.35V DDR
3.3V
1.0V
1.8V
1.8V
JTAG
MMC0
MMC1
DDR3
SPI0
SPI1
SPI4
QSPI
UART0
UART4
UART3
GPIO
OSC0
OSC1
RTC
eHRPWM[1:5]
eQEP[0:2]
RESET
I2C0
VDD_CORE
VDD_MPU
3.3V Analog & I/O
CAP_VDD_RTC
VDDS_RTC
1.8V Analog & I/O
VDDS_DDR
POR
SYS RESET
Ethernet Interfaces
PRU-ICSS1/MII1
MII2
RGMII1
RGMII2
RMII1
RMII2
1000M Ethernet Transceiver
RJ-45 Mag
SPI2
SPI3
HDQ / 1-Wire
UART1
UART2
UART5
GPIO (32)
MMC2
USB0 (host)
USB1 (device)
ADC0 (8 inputs)
ADC1 (8 inputs)
CAN0
CAN1
I2C1
I2C2
eHRPWM[0]
eCAP[0]
Display Subsystem
Programmable Real-Time Unit and Industrial Communications Subsystem
PRU-ICSS0
PRU-ICSS1
Timers
General Purpose Memory Controller
Video Processing Front End
Camera0
Camera1
Multi Channel Audio Serial Ports
McASP0
McASP1
CPU
TI AM4376
Expansion Board Connectors Samtec TFC-150-01-F-D-A x2
5V
0.1", 1x3 header