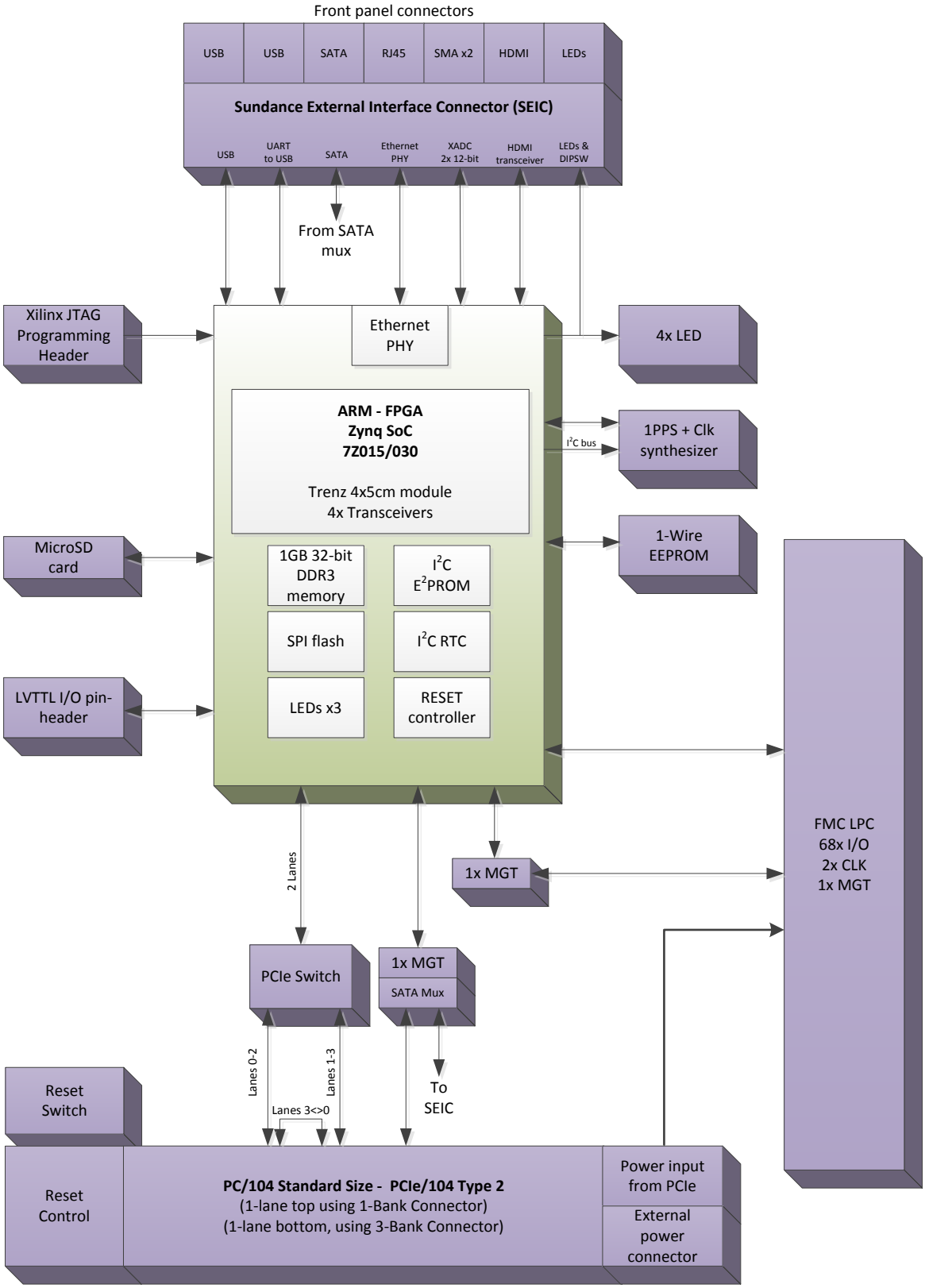
Front panel connectors
USB
USB
SATA
RJ45
SMA x2
HDMI
LEDs
Sundance External Interface Connector (SEIC)
USB
UART to USB
SATA
Ethernet PHY
XADC 2x 12-bit
HDMI transceiver
LEDs & DIPSW
From SATA mux
Xilinx JTAG Programming Header
Ethernet PHY
4x LED
ARM - FPGA
Zynq SoC
7Z015/030
Trenz 4x5cm module
4x Transceivers
I2C bus
1PPS + Clk synthesizer
MicroSD card
1-Wire EEPROM
1GB 32-bit DDR3 memory
I2C E2PROM
SPI flash
I2C RTC
LVTTL I/O pin-header
LEDs x3
RESET controller
FMC LPC
68x I/O
2x CLK
1x MGT
2 Lanes
1x MGT
PCIe Switch
1x MGT
SATA Mux
Lanes 0-2
Lanes 1-3
Lanes 3<>0
To SEIC
Reset Switch
Reset Control
PC/104 Standard Size - PCIe/104 Type 2
(1-lane top using 1-Bank Connector)
(1-lane bottom, using 3-Bank Connector)
Power input from PCIe
External power connector