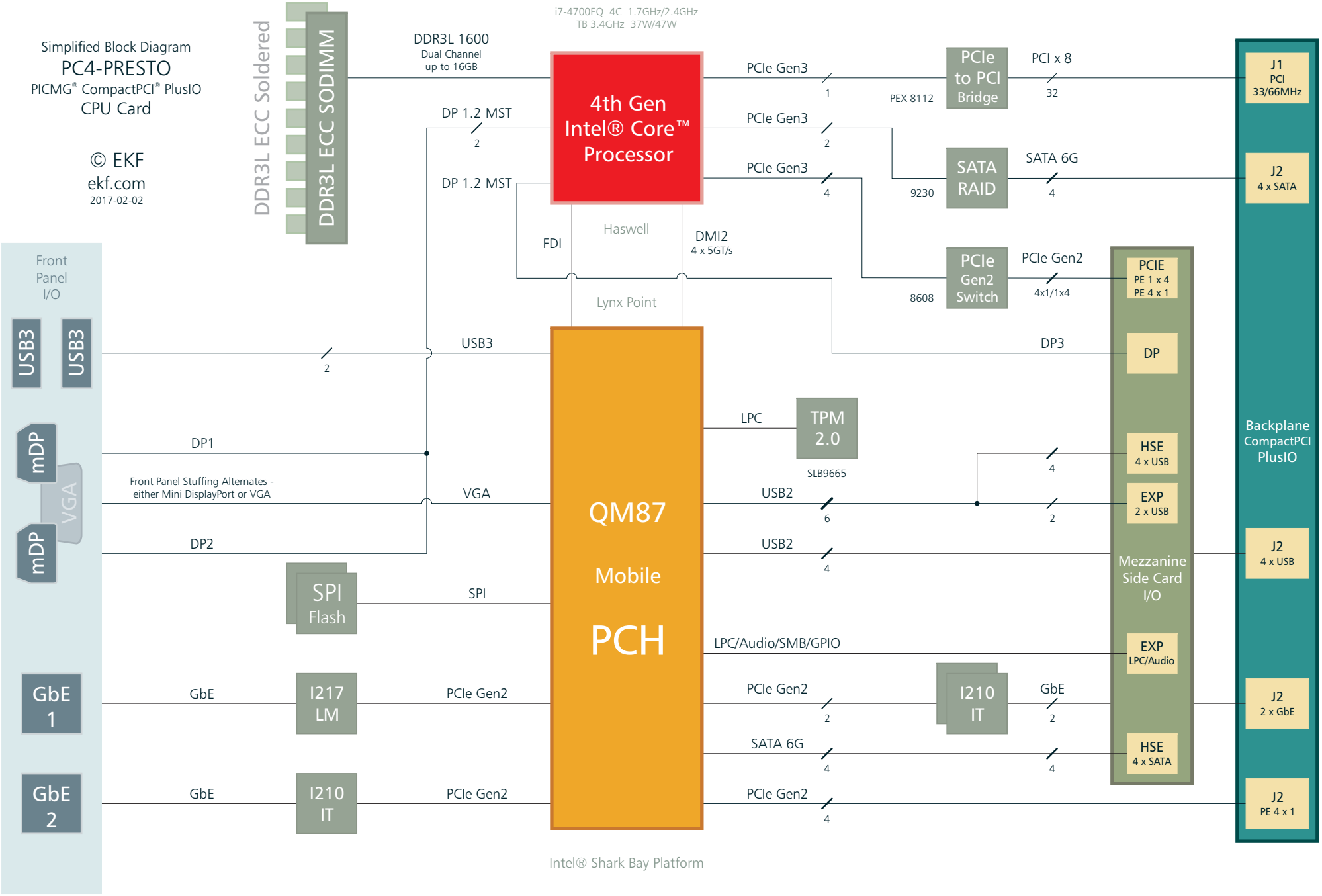
Simplified Block Diagram
PC4-PRESTO
PICMG® CompactPCI® PlusIO
CPU Card
© EKF
ekf.com
2017-02-02
DDR3L ECC Soldered
DDR3L ECC SODIMM
DDR3L 1600
Dual Channel
up to 16GB
i7-4700EQ 4C 1.7GHz/2.4GHz
TB 3.4GHz 37W/47W
4th Gen
Intel® Core™
Processor
Haswell
DMI2
4 x 5GT/s
FDI
Lynx Point
QM87
Mobile
PCH
Intel® Shark Bay Platform
DP 1.2 MST
DP 1.2 MST
PCIe Gen3
PCIe Gen3
PCIe Gen3
PCIe
to PCI
Bridge
PEX 8112
PCI x 8
SATA
RAID
9230
SATA 6G
PCIe
Gen2
Switch
8608
PCIe Gen2
4x1/1x4
J1
PCI
33/66MHz
J2
4 x SATA
Front
Panel
I/O
USB3
USB3
mDP
mDP
VGA
GbE
1
GbE
2
USB3
DP1
Front Panel Stuffing Alternates -
either Mini DisplayPort or VGA
VGA
DP2
SPI
Flash
SPI
GbE
I217
LM
PCIe Gen2
GbE
I210
IT
PCIe Gen2
LPC
TPM
2.0
SLB9665
USB2
USB2
LPC/Audio/SMB/GPIO
PCIe Gen2
I210
IT
GbE
SATA 6G
PCIe Gen2
DP3
PCIE
PE 1 x 4
PE 4 x 1
DP
HSE
4 x USB
EXP
2 x USB
Mezzanine
Side Card
I/O
EXP
LPC/Audio
HSE
4 x SATA
Backplane
CompactPCI
PlusIO
J2
4 x USB
J2
2 x GbE
J2
PE 4 x 1