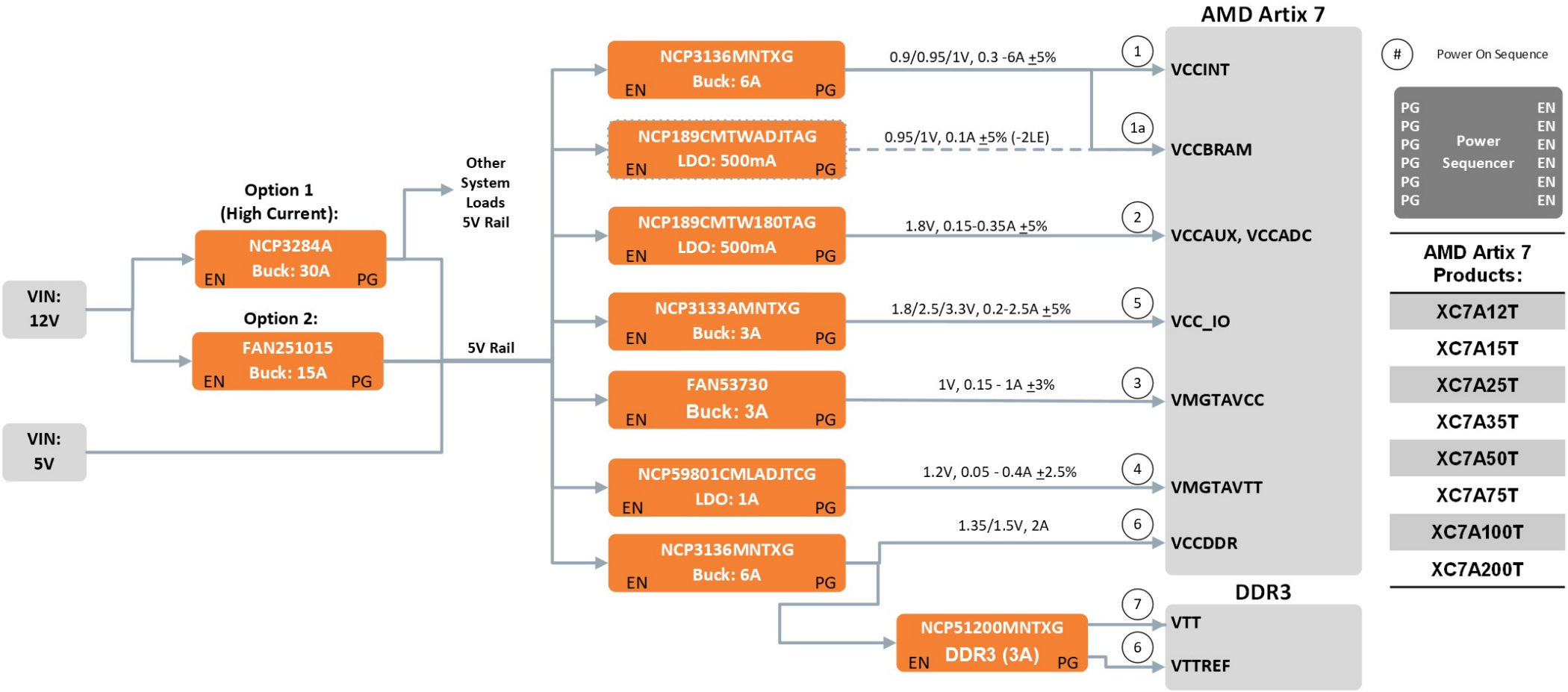
VIN: 12V
VIN: 5V
Option 1 (High Current):
NCP3284A Buck: 30A
EN PG
Option 2:
FAN251015 Buck: 15A
EN PG
Other System Loads 5V Rail
5V Rail
NCP3136MNTXG Buck: 6A
EN PG
NCP189CMTWADJTAG LDO: 500mA
EN PG
NCP189CMTW180TAG LDO: 500mA
EN PG
NCP3133AMNTXG Buck: 3A
EN PG
FAN53730 Buck: 3A
EN PG
NCP59801CMLADJTCG LDO: 1A
EN PG
NCP3136MNTXG Buck: 6A
EN PG
NCP51200MNTXG DDR3 (3A)
EN PG
0.9/0.95/1V, 0.3 -6A ±5%
0.95/1V, 0.1A ±5% (-2LE)
1.8V, 0.15-0.35A ±5%
1.8/2.5/3.3V, 0.2-2.5A ±5%
1V, 0.15 - 1A ±3%
1.2V, 0.05 - 0.4A ±2.5%
1.35/1.5V, 2A
AMD Artix 7
1 VCCINT
1a VCCBRAM
2 VCCAUX, VCCADC
5 VCC_IO
3 VMGTAVCC
4 VMGTAVTT
6 VCCDDR
DDR3
7 VTT
6 VTTREF
Power On Sequence
PG PG PG PG PG PG
Power Sequencer
EN EN EN EN EN EN
AMD Artix 7 Products:
XC7A12T
XC7A15T
XC7A25T
XC7A35T
XC7A50T
XC7A75T
XC7A100T
XC7A200T