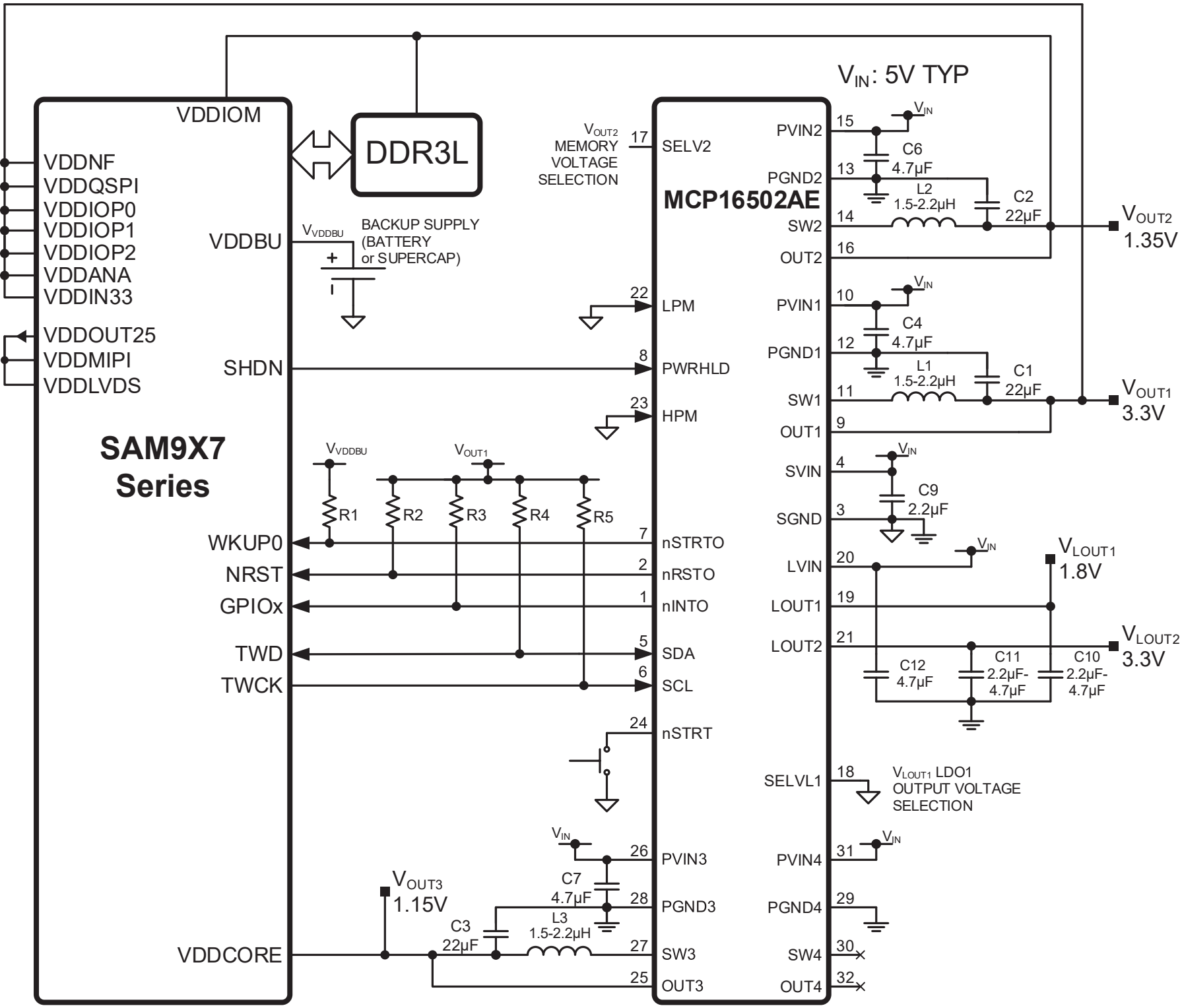
VIN: 5V TYP
SAM9X7 Series
VDDIOM
VDDNF
VDDQSPI
VDDIOP0
VDDIOP1
VDDIOP2
VDDANA
VDDIN33
VDDOUT25
VDDMIPI
VDDLVDS
VDDBU
SHDN
WKUP0
NRST
GPIOx
TWD
TWCK
VDDCORE
DDR3L
VVDDBU
BACKUP SUPPLY (BATTERY or SUPERCAP)
R1
R2
R3
R4
R5
VOUT3 1.15V
C3 22µF
C7 4.7µF
L3 1.5-2.2µH
VOUT2 MEMORY VOLTAGE SELECTION
MCP16502AE
17 SELV2
22 LPM
8 PWRHLD
23 HPM
7 nSTRTO
2 nRSTO
1 nINTO
5 SDA
6 SCL
24 nSTRT
26 PVIN3
28 PGND3
27 SW3
25 OUT3
15 PVIN2
13 PGND2
14 SW2
16 OUT2
10 PVIN1
12 PGND1
11 SW1
9 OUT1
4 SVIN
3 SGND
20 LVIN
19 LOUT1
21 LOUT2
18 SELVL1
31 PVIN4
29 PGND4
30
32
C6 4.7µF
L2 1.5-2.2µH
C2 22µF
VOUT2 1.35V
C4 4.7µF
L1 1.5-2.2µH
C1 22µF
VOUT1 3.3V
C9 2.2µF
VLOUT1 1.8V
C12 4.7µF
C11 2.2µF-4.7µF
C10 2.2µF-4.7µF
VLOUT2 3.3V
VLOUT1 LDO1 OUTPUT VOLTAGE SELECTION