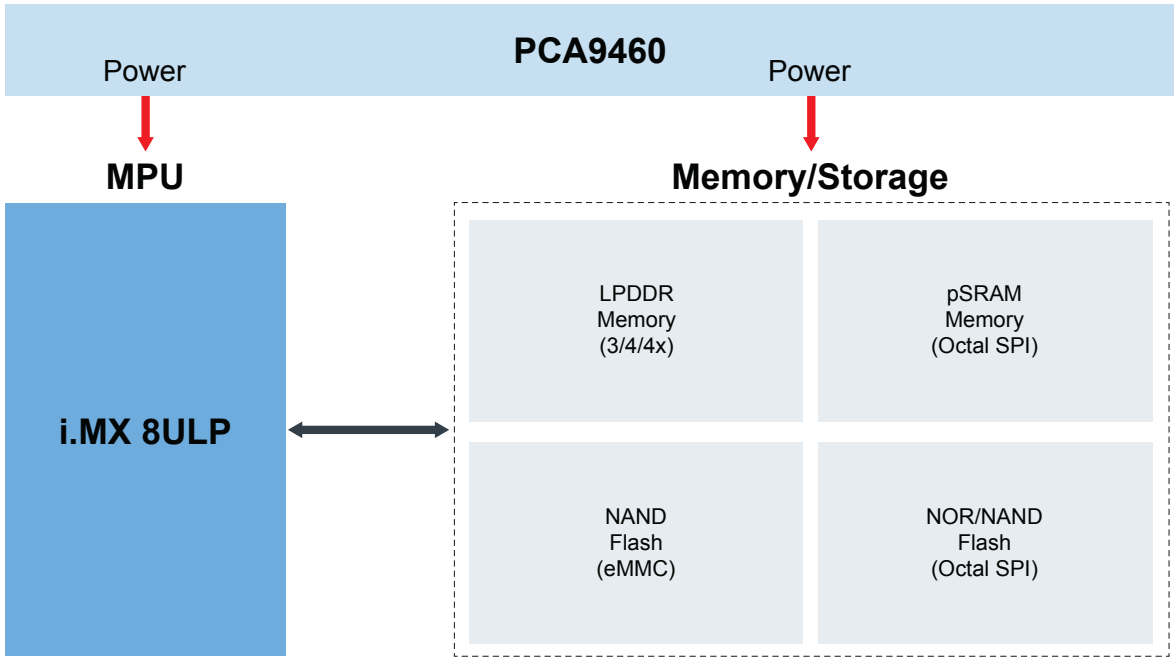
PMIC PCA9460 FOR i.MX 8ULP

PCA9460 is the power management IC (PMIC) designed to support i.MX 8ULP processor. Three model numbers are available depending on the type of DRAM supported, as shown in the table below. Power supply can support peripherals as well as i.MX 8ULP.

We recommend PCA9460 when using i.MX 8ULP for design simplification of power supply.

PCA9460 AND MEMORY POWER SUPPLY

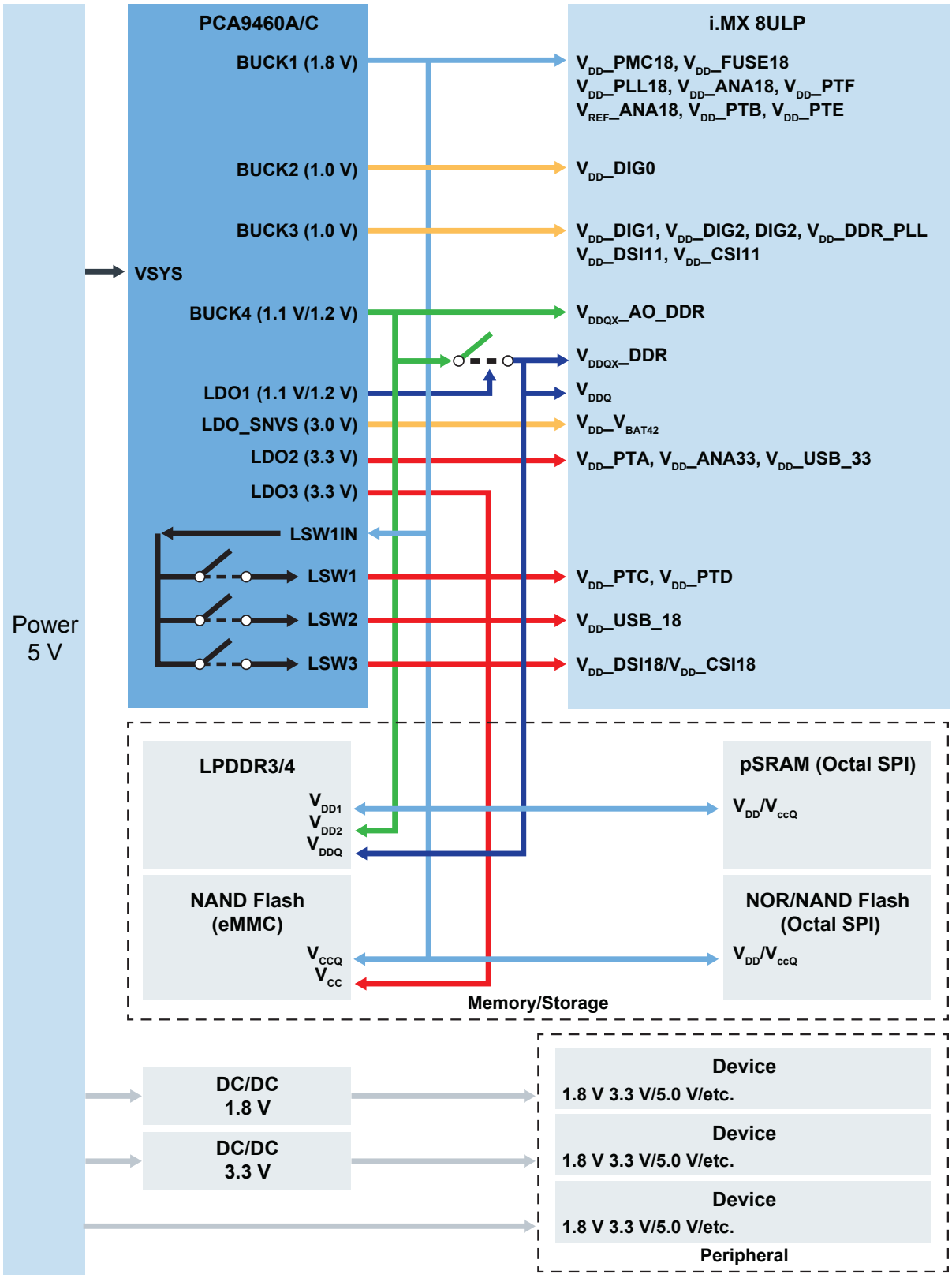
TYPE	SUPPORT DRAM	DIFFERENCE	
		BUCK4	LDO1
PCA9460A	LPDDR4	1.1 V	1.1 V
PCA9460B	LPDDR4x	1.1 V	0.6 V
PCA9460C	LPDDR3	1.2 V	1.2 V



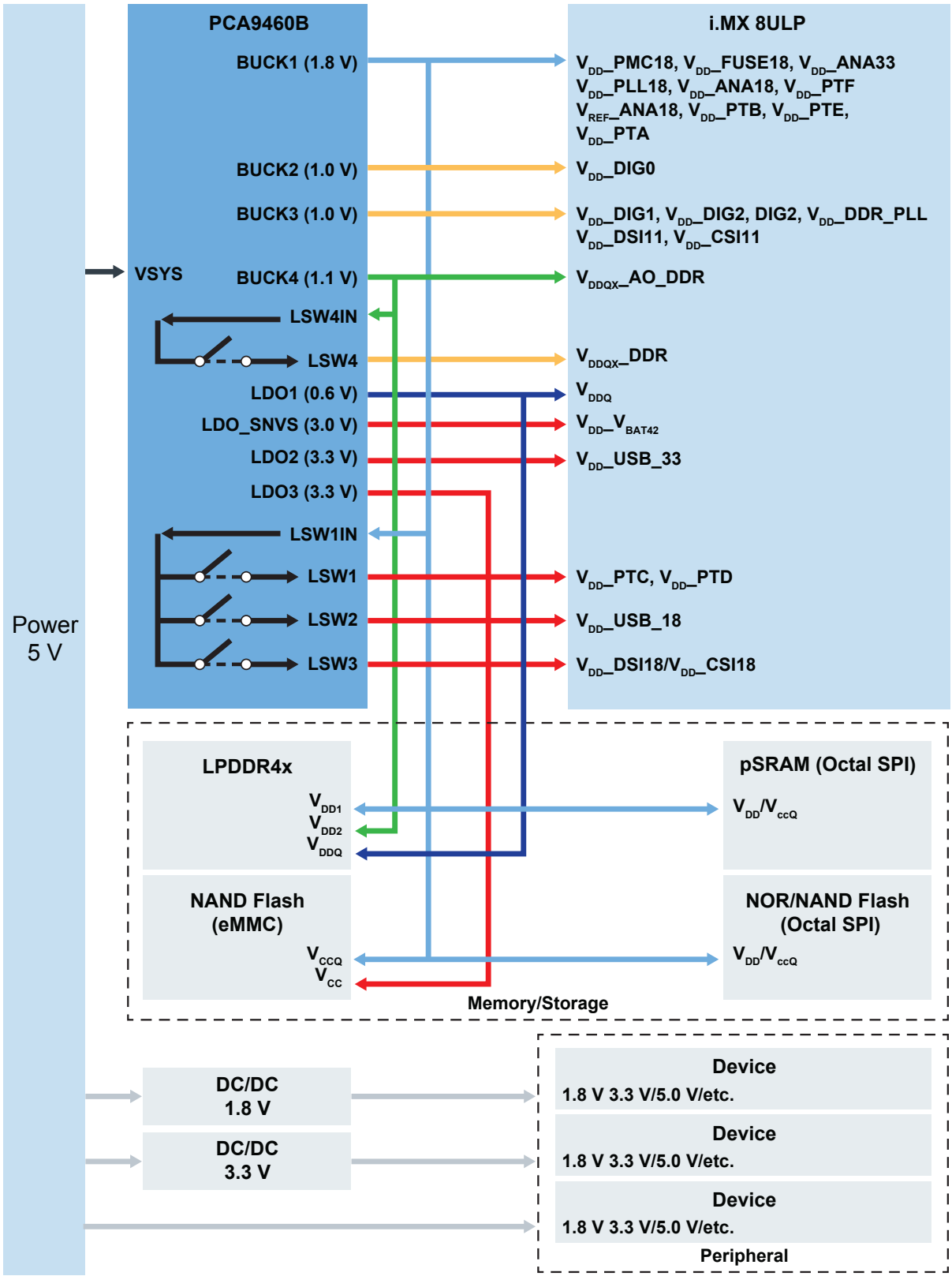
POWER SUPPLY FOR i.MX 8M PLUS AND PERIPHERALS

MPU MEMORY	PCA9460					
	1.0 V	1.8 V	1.2 V	1.1 V	0.6 V	3.3 V
i.MX 8ULP	✓	✓	✓	✓	✓	✓
LPDDR4		✓		✓		
LPDDR4x		✓		✓	✓	
LPDDR3		✓	✓			
NAND (eMMC)		✓				✓
pSRAM (Oct SPI)		✓				
NOR/NAND (Oct SPI)		✓				

i.MX 8ULP PROCESSOR AND DDR3/4 POWER TREE



i.MX 8ULP PROCESSOR AND DDR4X POWER TREE



NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners.
AWS, Amazon and all related marks are trademarks of Amazon.com, Inc. or its affiliates. ©2023 NXP B.V.

Document Number: IMXPCA9460A4FS REV 0