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SB10 & SB8 used to bypass L2 & L1 when Nucleo powered by Arduino AVDD.

Both capacitors have to be as close as possible from the package and connected to VSSA.

Decoupling capacitors have to be as close as possible from the pins.

Ceramic capacitor (Low ESR, ESR<1ohm)
VIN / 5V PWR

5V PWR SELECTION

STLK
5V_USB_STLIK
5V_VIN
ESV
5V_USB_CHGR

ESV from ST-Morpho connector
5V_USB_CHGR from USB-STLINK CONNECTOR

VIN / 5V PWR

5V PWR SELECTION

STLK
5V_USB_STLIK
5V_VIN
ESV
5V_USB_CHGR

ESV from ST-Morpho connector
5V_USB_CHGR from USB-STLINK CONNECTOR

VDD PWR

VREF PWR

To have VREF at 3.25V, then SB14 is not fitted. This is the default configuration.
To have VREF at 2.5V, then SB14 is fitted and R34 is not fitted.