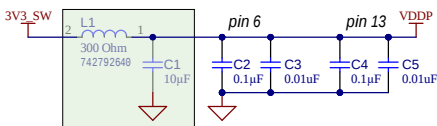
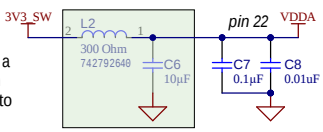


LAN8671 RMII Application - With Wake/Sleep

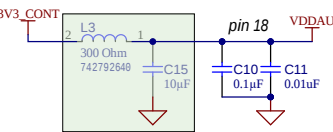
LAYOUT NOTE: Place one 0.01uF and one 0.1uF at each power pin. The 0.01uF must be closest to the pin.



Ferrite beads are optional. If used, a bulk capacitor is recommended on the device side of the ferrite bead to dampen potential oscillation.

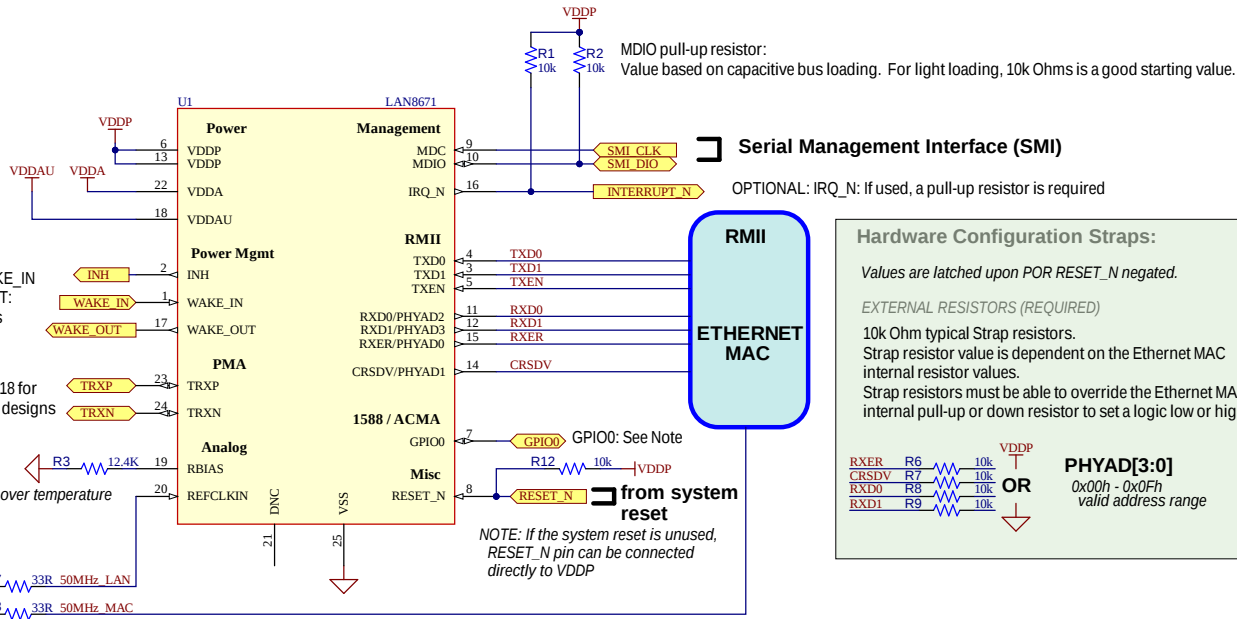


VDDAU:
Continuous supply for wake/sleep



LAYOUT NOTE: 50MHz_LAN and 50MHz_MAC
PCB traces should be length matched.

RBIAS: +/- 1% over temperature

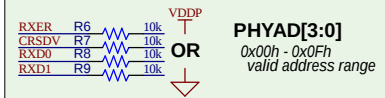


Hardware Configuration Straps:

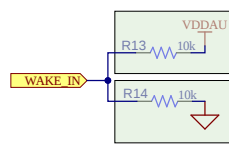
Values are latched upon POR RESET_N negated.

EXTERNAL RESISTORS (REQUIRED)

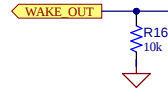
10k Ohm typical Strap resistors.
Strap resistor value is dependent on the Ethernet MAC internal resistor values.
Strap resistors must be able to override the Ethernet MAC internal pull-up or down resistor to set a logic low or high.



WAKE_IN: polarity configured pull-up or pulldown
(install R13 or R14 ,never both)
(if unused, connect to VSS)



WAKE_OUT: asserted when part wakes
(if unused, leave unconnected)



GPIO0: Configurable as ACMA, TXPI, RXPI or RXTXPI
(if unused, leave unconnected)



NOTE: When the MAC sublayer is in reset or unconfigured, the TXEN output pin may become high impedance and floating. A pull-down can be added to prevent false TXEN assertions and accidental transmissions.