

Input Power Supply 7.5 VDC 1A or USB

Attention! you cannot use an external power supply with a voltage greater than 7.5V, because the high voltage to high heat LDO on the Arduino board and the board may be damaged. It is also not recommended to use a power supply unit less than 6.5V since a voltage margin is needed to stabilize the LDO 5V voltage on the Arduino board.

Power Supply

LDO 3.3V for TCXO
LDO 1.8V DDS AVDD
LDO 1.8V DDS AVDD SYSCLK
LDO 1.8V DDS AVDD PIN 53
LDO 1.8V DDS DVDD
LDO 3.3V DDS DVDD
LDO 3.3V DDS AVDD
LDO 3.7V MAIN

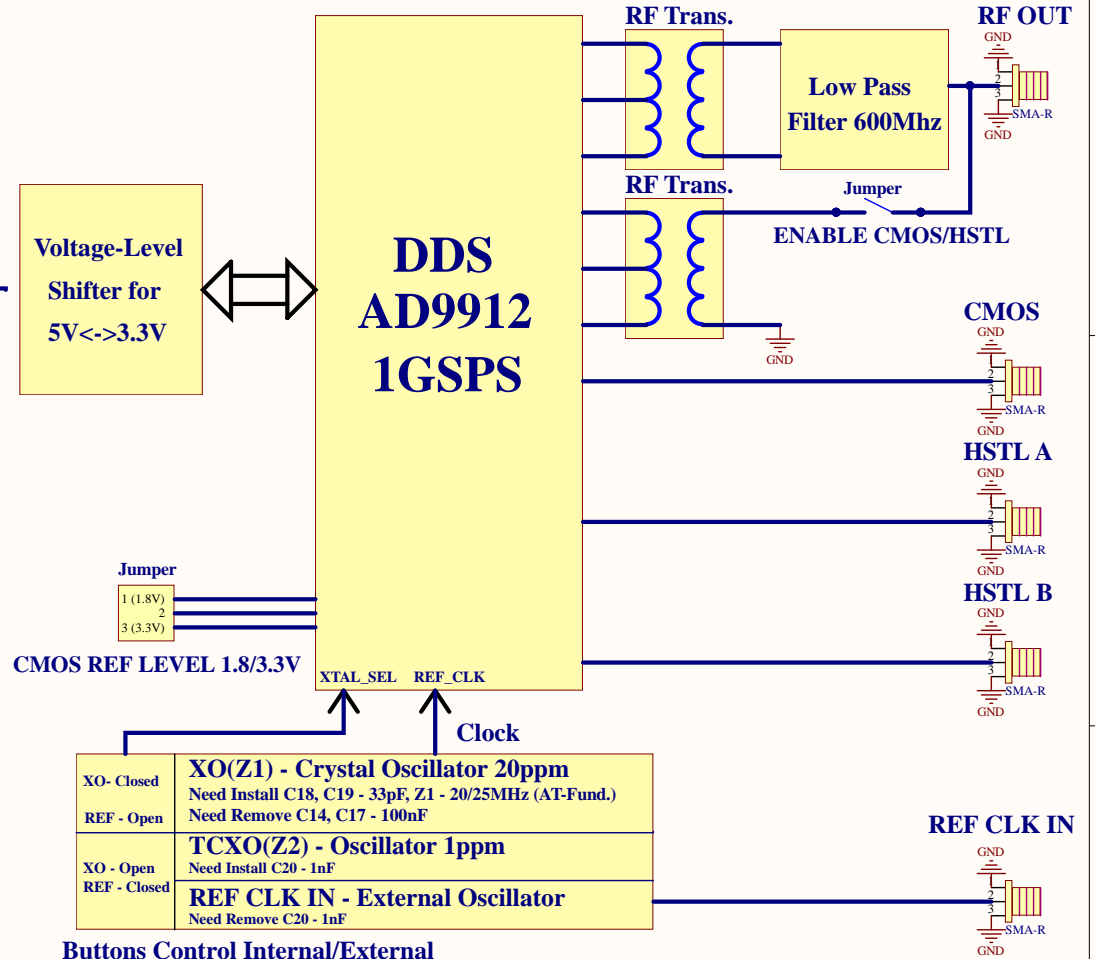


ARDUINO/DDS PINOUT

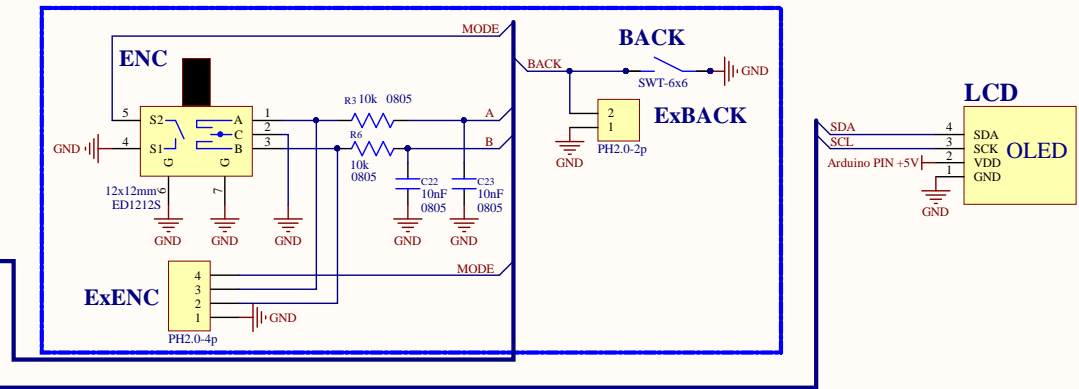
- Arduino PIN50 - SDO_TTL
- Arduino PIN51 - SDIO_TTL
- Arduino PIN52 - SCLK_TTL
- Arduino PIN8 - PWRDOWN_TTL
- Arduino PIN5 - CS_TTL
- Arduino PIN6 - IO_UPDATE_TTL
- Arduino PIN7 - RESET_TTL

ARDUINO/DDS PINOUT

- Arduino PIN18 - A
- Arduino PIN19 - B
- Arduino PIN2 - MODE Button
- Arduino PIN3 - BACK Button
- Arduino PIN20 - LCD SDA
- Arduino PIN21 - LCD SCL
- Arduino PIN +5V



Buttons Control Internal/External



Title DDS9912 v1.2/1.3 GRA & AFCH		
Size A3	Number	Revision
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