

DDS Module

Specification

Frequency range	1Hz to 70.000MHz
Power	
Power Supply	9V to 14V
Key components	
MPU	PIC16F84
DDS	AD9851BRS
RS232C Level Sifter	

Basic function

Control a DDS chip, AD9851BRS via serial three line (data, clock and update line)
Communicate with Host PC via RS232C interface to change the basic parameters
LED indicators for RS232C line busy and power
Save frequency for power on initialize

Mode switch

Tx & RX	Change TX frequency to RX freq.(Each Channel)
CH0,1,2,3	Memory Channel
Sweep UP	Frequency sweep during switch on(+1.5KHz Max.)
Sweep Down	Frequency sweep during switch on(-1.5KHz Max.)
PC or Alone	Mode control(PC control or Independent mode)