



Variable Frequency Oscillator Board  
 Display - Nokia 511XXX display from Amazon, Digikey, etc. SPI interface  
 Si5351 - VFO Breakout board from Adafruit  
 Rotary Encoder - Frequency Tuning  
 LEDs - Two user LEDs, red and green  
 User Button - Hold and to set the RIT offset  
 RIT - Receive Increment Tuning - Used to listen on a different frequency than transmitting  
 Resistors - All led resistors 330 ohms, pullups 10k, i2c pullups 3.3k  
 Source Code: [https://github.com/danaolcott/MSP430/msp430\\_vfo](https://github.com/danaolcott/MSP430/msp430_vfo)

Dana's Boatshop		
MSP430 VFO Board		
Dana Olcott	Rev 1.0	Page # 1
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