# Si5351 PLL Signal Generator

### TFT LCD SPI ST7735

## ESP-32 LILYGO T7-V1.5



### 16 pin IDC Ribbon Cable

- 1 LCD Display 1 Ground
- 2 LCD Display 2 3.3 volts
- 3 LCD Display 3
- 4 LCD Display 4
- 5 LCD Display 5
- 6 LCD Display 6
- 7 LCD Display 7
- 8 Encoder "+" 3.3 volts
- 9 Encoder A
- 10 Encoder B
- 11 Encoder "-" Ground
- 12 Freq Lock
- 13 Band
- 14 Step
- 15 Memory
- 16 Bypass

## = no connection

## = connected

### Bands

8 KHz - 20 KHz 20 KHz - 200 KHz

200 KHz - 30 MHz

30 MHz - 100 MHz

100 MHz - 200 MHz

Atlas 210X/215X

### **Current Load**

60 ma ESP-32 10 ma Rotary Encoder Si5351 + Buffer 40 ma AMS-1117 3.3V 6 ma

AMS-1117 5V 6 ma 47 ma TFT LCD

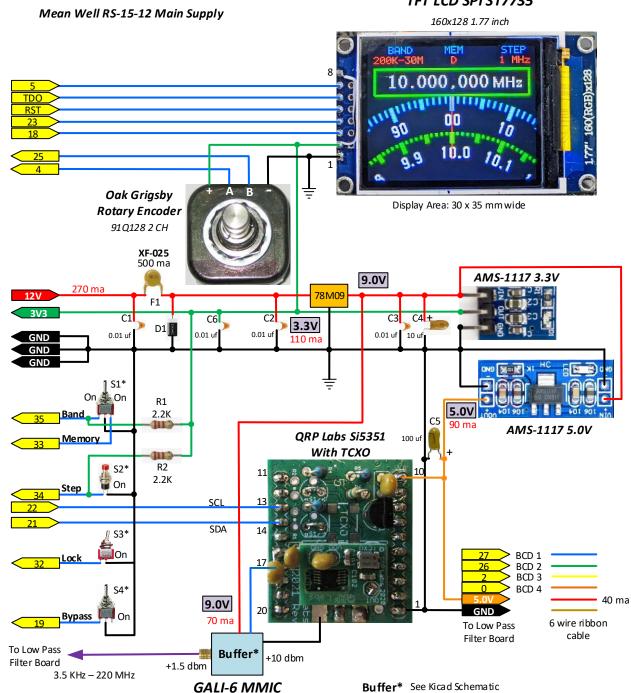
40 ma LPF Board

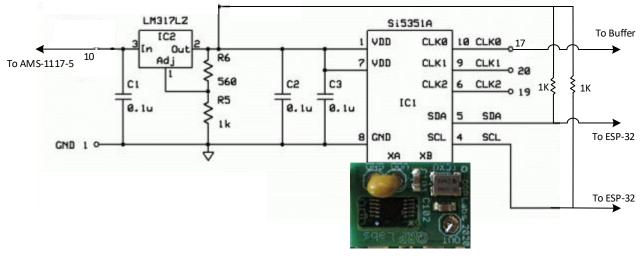
S1\* = SPDT with center position off - momentary on

S2\* = Momentary push button

S3\* = SPST

S4\* = DPDT with center position off (other pole = AC power switch)





TCXO Module

