



Si5351 PLL VFO - Atlas 210X/215X

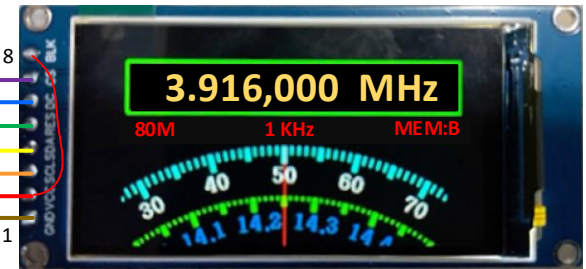
ESP-32 LILYGO T7-V1.5

⊗ = no connection ● = connected



TFT LCD SPI ST7789

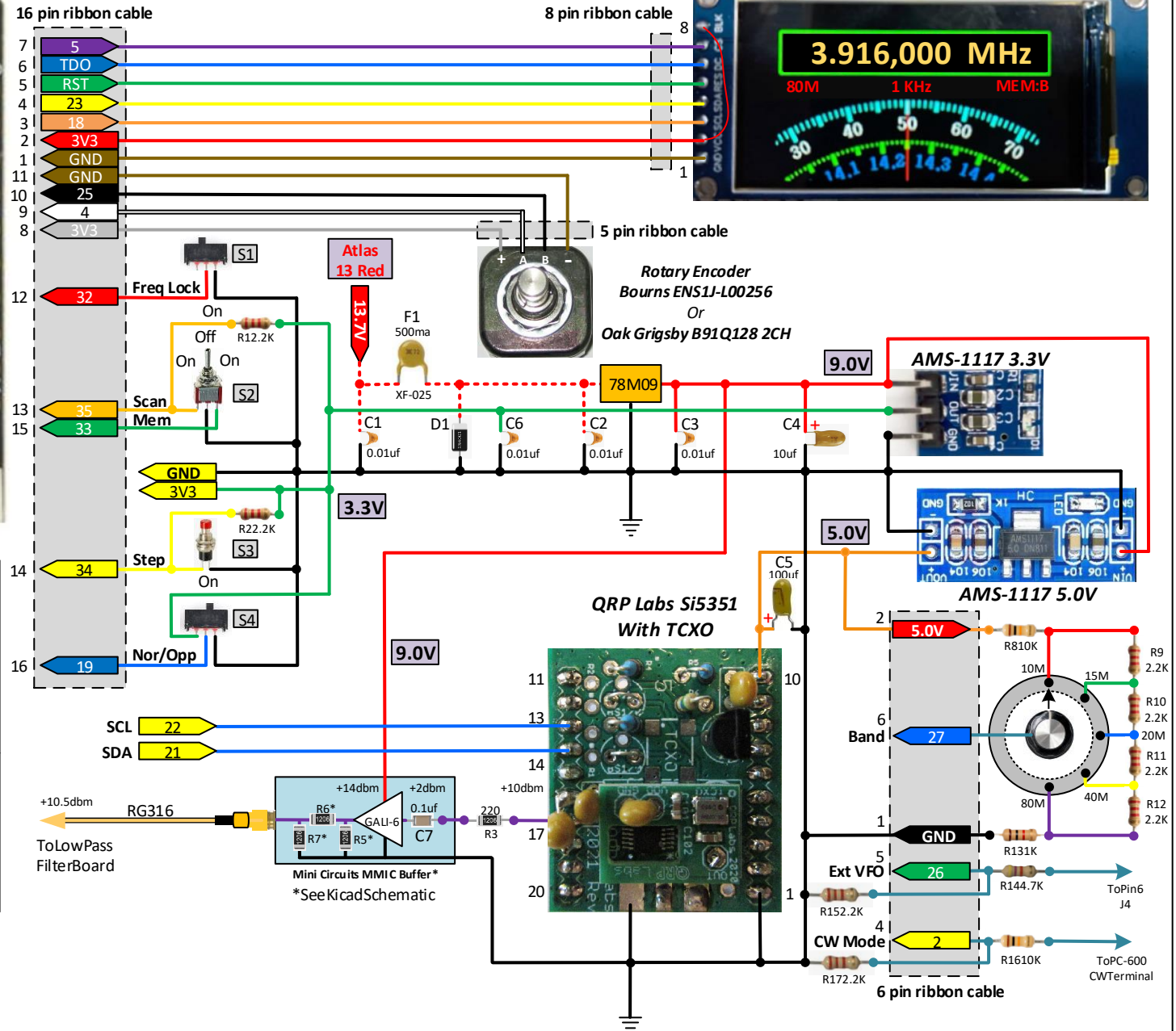
170x320 1.9 inch



Current Load (240 ma total current)		
60ma	ESP-32	--- 13.7VBuss
10ma	RotaryEncoder	— 9.0VBuss
40ma	Si5351	— 5.0VBuss
6ma	AMS-11173.3V	— 3.3VBuss
6ma	AMS-11175V	
47ma	TFTLCD	
70ma	GALI-6	

S1=SPST(Existing)slidswitch)
 S2=SPDTwithcenterpositionoff -momentaryon-on
 S3=Momentarypushbutton
 S4=DPDTslidswitch (replacesexistingSPDTswitch)

AtlasDisplayArea:22x46.5mmwide
 DisplayArea:22.7x42.7mmwide





1.5 db	580 9 560 9	1.56 db	9 ohms
2.0 db	430 12		20 ohms
2.5 db	350 15		130 ohms
3.0 db	292 18		150 ohms
3.5 db	251 21 240 20	3.52 db	160 ohms
4.0 db	221 24		180 ohms
			200 ohms
			220 ohms
			240 ohms
Signal Generator with 1.0 dbm output			560 ohms
7.5 db pad on output of Gali-6		121 & 49 ohms pad	
-3.5 dbm input to Gali-6			
470 ohm series resistor			
125 ohm input impedance			
VFO with 10.5 dbm output			
7.5 db pad on output of Gali-6		121 & 49 ohms pad	
6 dbm input to Gali-6			
121 ohm series resistor			
200 ohm input impedance			
VFO with 10.5 dbm output			
3 db pad on output of Gali-6		281 & 17 ohms pad	
1.5 dbm input to Gali-6			
332 ohm series resistor			
200 ohm input impedance			
207 ohm series resistor			
125 ohm input impedance			