

Pinout diagram for the Adafruit Si5351 module:

- Pin 1: +3V3
- Pin 2: GND
- Pin 3: SDA_3V3
- Pin 4: SCL_3V3
- Pin 5: CLK2
- Pin 6: CLK1
- Pin 7: CLK0

Adafruit si5351

The schematic shows the audio output stage. The driver tube J11 (PJ-324M) has its grid connected to ground (GND). Its plate is connected to the wiper of a potentiometer labeled DAH. The potentiometer's other terminals are connected to TN and RN. A condenser microphone MK1 is connected between the DAH terminal and GND. The signal from the microphone passes through capacitor C24 (10uF) and resistor R27 (270R) to the grid of the power tube J12 (PJ-324M). The power tube's grid also receives a SIDETONE signal through capacitor C25 (100nF). The power tube's plate is connected to TN, and its screen grid is connected to RN. Both TN and RN are connected to a common point that goes through capacitor C26 (100nF) to GND.

SSD1306 OLED and I2C out

The diagram shows a parallel MOSFET PA driver circuit. The input is a GateDrive signal, which is connected to the gate of a MOSFET (Q5, IRLML2060). The MOSFET's source is connected to GND, and its drain is connected to an RF output. The output is connected to a parallel MOSFET PA driver circuit, which includes an RF input, a GateDrive input, and an output connected to J13. The circuit is powered by a +12V supply, which is connected to the gate of the MOSFET through a 100nF capacitor (C23) and an inductor (L3). The inductor is also connected to the RF output. The MOSFET is labeled Q5 IRLML2060. The output is labeled RF. The circuit is labeled "Alternate: parallel MOSFET PA driver".

much any PNP/NPN pair
 IC > 200 mA and ft > 100 MHz
 /2907, 8050/8550, 9013/9012,
 /3904

12V
 C5 100n
 GND
 R4 47R
 Q2 S9013
 Q3 S9012
 R5 22R
 Q1 S9013
 CLK2
 SIG_OUT
 R6 10k
 R7 10k
 C10 100n
 C12 10n
 GateDrive
 GND

RC = 1/10 W, RE = 1/20 W
 C5

LM4562 preferred
Just have a NE5532 on hand
which should be ok

Id: 1/1