# 1）设备树

|  |
| --- |
| sound {  compatible = "ti,da830-evm-audio";  ti,model = "AM335x-EVM";  ti,audio-codec = <&tlv320aic3106>;  ti,mcasp-controller = <&mcasp1>;    ti,codec-clock-rate = <12000000>;  ti,audio-routing =  "LINE2L", "Mic Bias",/\*100ask\_frank\*/  "Mic Bias", "Mic Jack",/\*100ask\_frank\*/  "Headphone Jack", "HPLOUT",  "Headphone Jack", "HPROUT",  "LINE1L", "Line In",  "LINE1R", "Line In";  }; |
| tlv320aic3106: tlv320aic3106@1b {  /\*#sound-dai-cells = <0>; \*/ /\*100ask\_frank\*/  /\*#sound-dai-cells = <1>; \*/  compatible = "ti,tlv320aic3106";  reg = <0x1b>;  status = "okay";  /\* Regulators \*/  AVDD-supply = <&ldo2\_reg>;  IOVDD-supply = <&ldo2\_reg>;  DRVDD-supply = <&ldo2\_reg>;  DVDD-supply = <&ldo3\_reg>;    ai3x-micbias-vg = <3>;  }; |

# 2）配置内核

make menuconfig

|  |
| --- |
| │ -> Device Drivers  │ -> Sound card support (SOUND [=y])  │ -> Advanced Linux Sound Architecture (SND [=y])  │ (1) -> ALSA for SoC audio support (SND\_SOC [=y])  <\*> SoC Audio for the AM33XX chip based boards |

从而选择CONFIG\_SND\_AM33XX\_SOC\_EVM。

3）替换tlv320aic3x.c

4）编译内核

5）测试

 arecord -vvv --format=cd --device=plughw:0,0 test.wav

 aplay -vvv --format=cd --device=plughw:0,0 test.wav