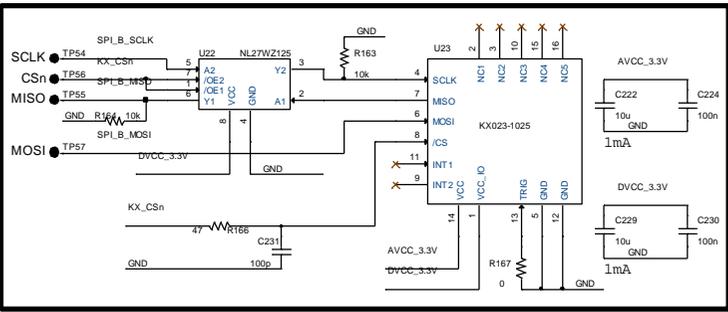
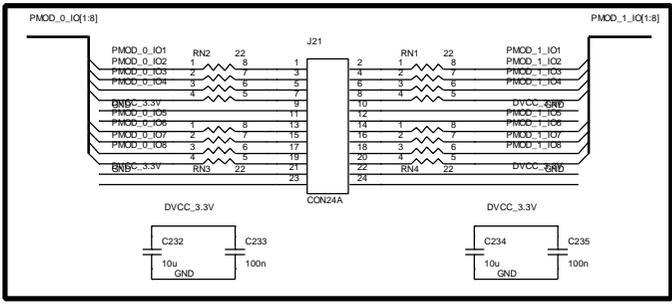


Clock RMS Monitor



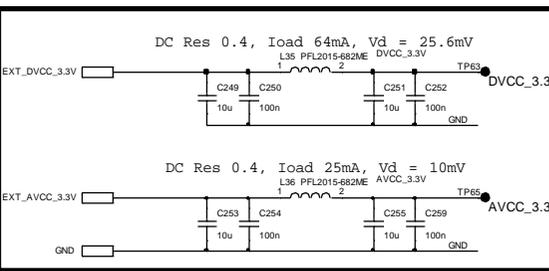
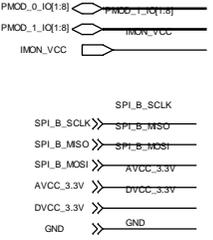
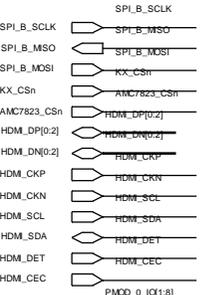
Gyroscope Section



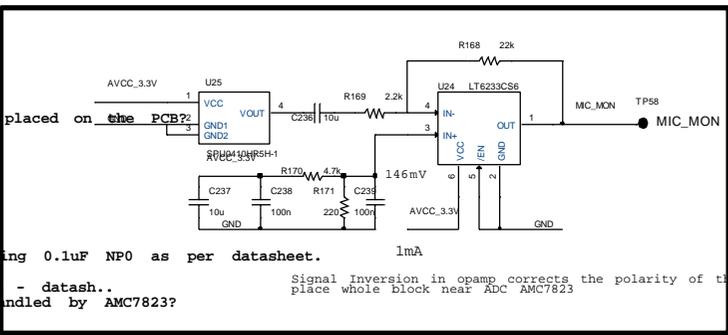
PMOD section

U21:-
 1) 100pF can be in parallel with C223.
 2) For 1.3M, Gain = 6.3, Intercept = 30mV,
 O/P at 7dbm will be around = 3.2V [close to 3.3V]
 3) Please check Maximum Input Level [dbm]
 It is between 6 to 7 dbm as per datasheet for 1.3MHz.
 Very Close.

U23:-
 1) C221 and C224 is not recommended in datasheet.
 2) Decoupling of U22 is missing.
 3) How is the use in this system and where should it be placed on the PCB??



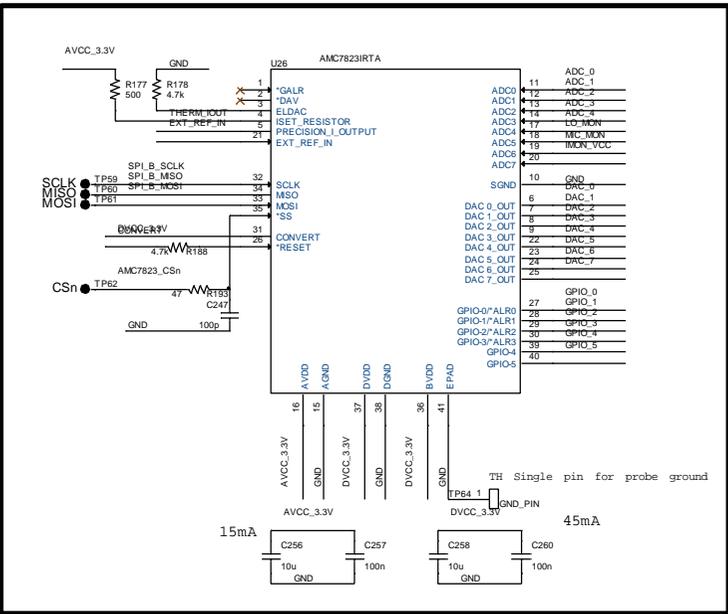
Power Supply Filter



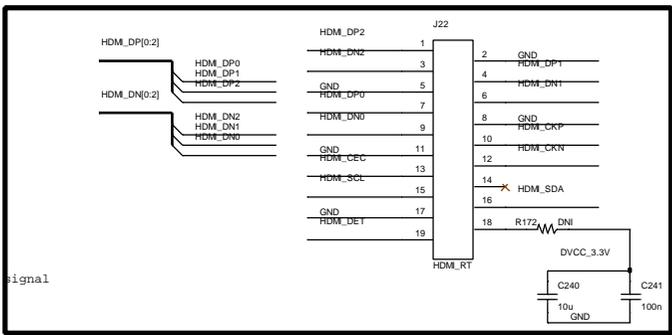
Microphone Amplifier Section

U25:-
 1) VCC pin should be decoupled using 0.1uF NP0 as per datasheet.
 2) Why is 146mV ref required?
 3) 0.1uF cap is suggested - Pg 19 - datash..
 4) How will bipolar signals be handled by AMC7823?
 5) Usage in system not clear

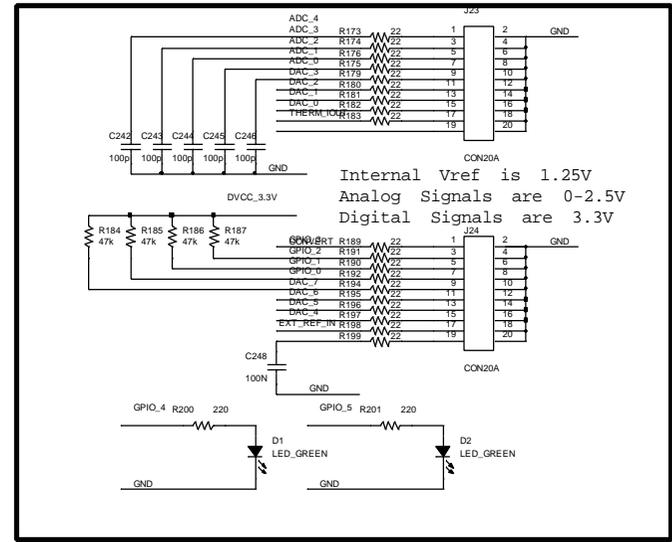
U26:-
 1) 10uF pin should be on EXT_REF_IN when internal ref selected.



Analog and Digital IO Controller



HDMI Section



Analog and Digital IO section

- 1) All Analog Lines are matched lengths
- 2) All LVDS lines are routed as 100 Ohms matched lines
- 3) All digital lines are routed as 50 Ohms lines