**DMIC circuit**

place 220ohm res near dmic
dmic_1 output data when clk is low.
Latched by LPCxxxx on rising edge clk.

**OLED circuit**

-A- Add audio codec circuit
-Add M1 hdr shunt; sht 2

1 - initial release; renumber refdes
10/23/2015 - Add audio codec circuit
A1 - Move "OLED_VPP_ON" to P0_29
12/05/2015 - Add M1 hdr shunt; sht 2
2015 - Add audio codec circuit

Sensor Hub Block Diagram

NXP Semiconductors
411 E. Plumeria Dr
San Jose, CA 95134
www.standardics.nxp.com/microcontrollers/
Current measurement

VDDIO = 1.8V / 3.3V

Arduino Shield receptacles R4

Power

Analog In

Digital

Current measurement

Xpresso / Arduino / Power supply

short JP1, JP2 for LPCXpresso54102
open JP1, JP2 for LPCXpresso5411x

Current measurement
Codec I2C addr = 0b0011010

GND pour in audio analog area tied to HPOUTFB pin.