[Bing Videos](https://www.bing.com/videos/riverview/relatedvideo?&q=How+does+PCM+data+work&&mid=1848D061A3A2EC2919B31848D061A3A2EC2919B3&&FORM=VRDGAR)

OnBoardMics:

1. Uses DFSDM --- incorporated PDM to PCM conversion & USB Streaming—figure out what PDM to PCM entails
2. Uses the Analog Mic IMP23ABSU
   1. Sampling Frequency is 192kHz
3. Specifications from Init\_Acquisition\_Peripherals
   1. 16-bit PCM
   2. Sampling Frequency 192kHz
   3. There is a “Active Microphones Mask” – maybe figure out what this means
   4. There is 1 audio in channel (the analog microphone)
4. N\_MS\_PER\_INTERRUPT = 20ms, we are wanting to look at a bit of longer data so we can see patterns (