[recordIt]

Do recording and playback as simple as a touch of a button!
…and selecting the input… and selecting record or play…
…and making a loop… or playing all recorded audio clips ☺

S2MM

MM2S

0x010200000

0x010100000

Memory

Memory

Memory

TDO
TDI
TMS

QSPI JTAG

HPH OUT   J5

MIC IN   J6

LINE IN   J7

XADC

R75
R86   AD14
AD7
AD15
R74
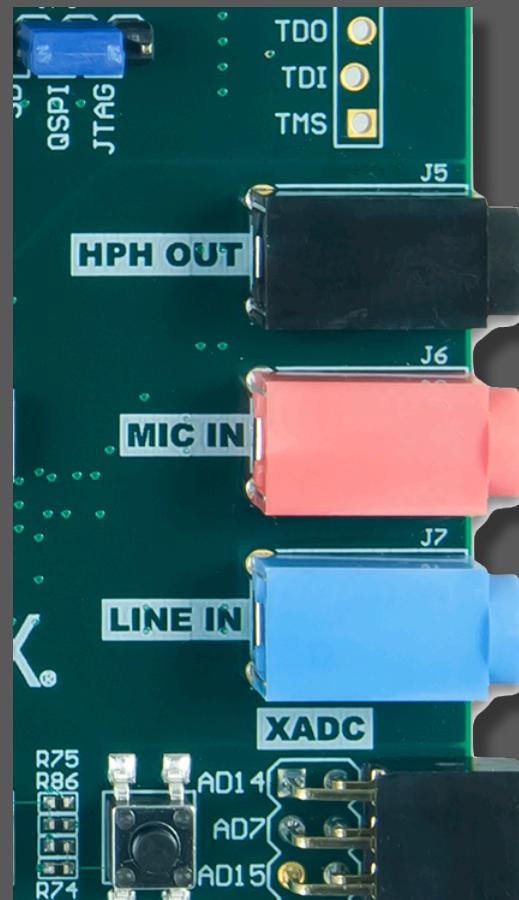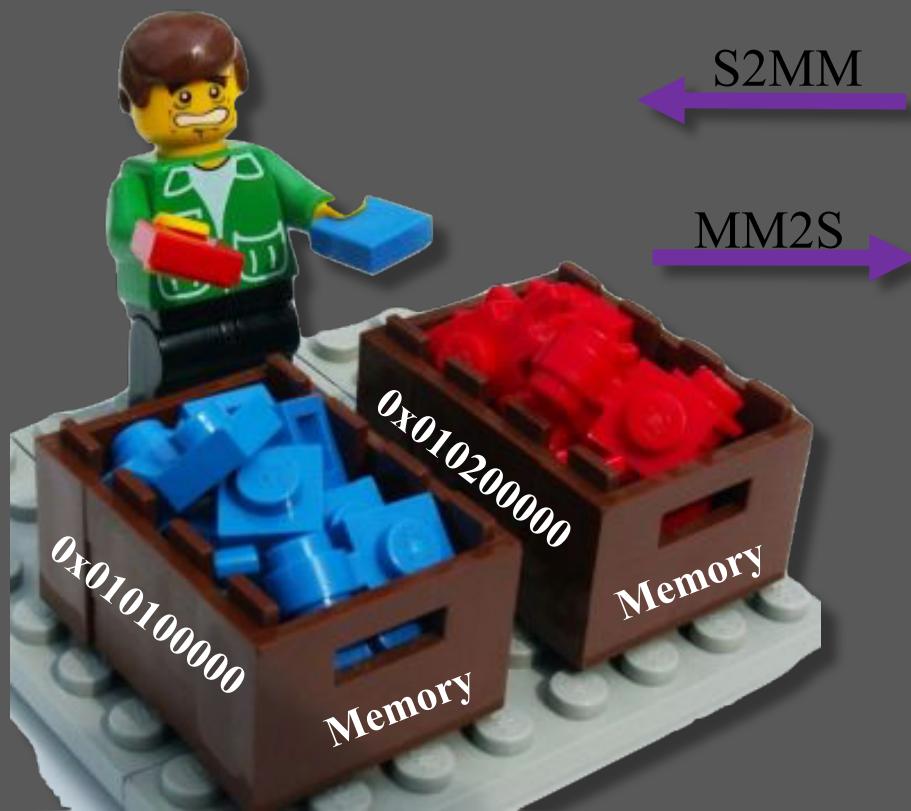
DMA
The DMA communcates with the audio device and places the samples directly into the memory. When finished the DMA creates an interrupt to inform that the transfer is done.

I2S AUDIO
The audio device uses the I2S protocol to stream the incomming data easily into the internal circuit.

$$f(x+\Delta x)=\sum_{i=0}^{\infty}\frac{(\Delta x)^i}{i!}f^{(i)}(x)$$

$\sqrt{17}$

Θ

{2.71828

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