SPI master

with MPCM support

for the Goertzel results

(for 256 channels)

CPU to request data and build data packets

1 kbyte of RAM to store Goertzel parameters and ADC clock prescaler

SPI slave with MPCM support

SPI slave with MPCM support

1 kbytes of RAM for 3 seconds of Goertzel results

CPU for 3x Goertzel with 50 calculations per second

16 kbytes of RAM for up to 8 seconds of ADC results

1 kSPS and 1 MSPS, 16 bit delta-sigma ADC

8th order analogue Butterworth low-pass filter with 250 kHz cut-off freq.

Frequency-independent fractal antenna

SPI slave with MPCM support

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