**Flexible Static Memory Controller based MCU’s**

1. **STM32L552ZE:** Arm Cortex-M33, MCU 110 MHz, 512 kbytes of Flash memory, Interface with Ferroelectric RAM (FRAM), 8-,16- bit data bus width.

[**https://www.digikey.com/en/products/detail/stmicroelectronics/NUCLEO-L552ZE-Q/11501277**](https://www.digikey.com/en/products/detail/stmicroelectronics/NUCLEO-L552ZE-Q/11501277)

1. **STM32H7S3:** High-Performance Arm Cortex-M7 MCU, 600MHz, Flexible external memory controller with up to 32-bit data bus: SRAM, PSRAM, FRAM, SDR/LPSDR SDRAM, NOR/NAND memories.

[**https://www.digikey.com/en/products/detail/stmicroelectronics/NUCLEO-H7S3L8/22485837**](https://www.digikey.com/en/products/detail/stmicroelectronics/NUCLEO-H7S3L8/22485837)

**FRAM Based MCU’s**

1. **MSP-EXP430FR5969**

<https://www.mouser.com/ProductDetail/Texas-Instruments/MSP-EXP430FR5969?qs=FBI%252BX3tnPf0g8H7ws5NtfA%3D%3D&srsltid=AfmBOop0XqUHG6TksdP08g8V2FCcYr9mITxqs_h7YHMAPlUujzMdUyrn>

**FRAM SPI BOARD:**

1. **SPI FRAM 2MBIT MB85RS2**

[**https://www.digikey.com/en/products/detail/adafruit-industries-llc/4718/13162108**](https://www.digikey.com/en/products/detail/adafruit-industries-llc/4718/13162108)

**AD8232 Sensors:**

1. **AD8232:** [**https://www.digikey.com/en/products/detail/sparkfun-electronics/SEN-12650/5824153**](https://www.digikey.com/en/products/detail/sparkfun-electronics/SEN-12650/5824153)
2. **Electrode Cable:** [**https://www.digikey.com/en/products/detail/sparkfun-electronics/CAB-12970/6833933**](https://www.digikey.com/en/products/detail/sparkfun-electronics/CAB-12970/6833933)
3. **EKG Electrode:** [**https://www.amazon.com/3m-Red-Dot-Monitoring-Electrode/dp/B0015TI4G2/ref=pd\_bxgy\_d\_sccl\_1/132-3810331-0397019?pd\_rd\_w=Vkrkn&content-id=amzn1.sym.3858a394-39a9-4946-90e6-86a3153d2546&pf\_rd\_p=3858a394-39a9-4946-90e6-86a3153d2546&pf\_rd\_r=8NR2ETT2QRNTNFW4AY89&pd\_rd\_wg=MiMh0&pd\_rd\_r=9a5f5333-8df6-4faf-84dc-0b86bc93c847&pd\_rd\_i=B0015TI4G2&psc=1**](https://www.amazon.com/3m-Red-Dot-Monitoring-Electrode/dp/B0015TI4G2/ref=pd_bxgy_d_sccl_1/132-3810331-0397019?pd_rd_w=Vkrkn&content-id=amzn1.sym.3858a394-39a9-4946-90e6-86a3153d2546&pf_rd_p=3858a394-39a9-4946-90e6-86a3153d2546&pf_rd_r=8NR2ETT2QRNTNFW4AY89&pd_rd_wg=MiMh0&pd_rd_r=9a5f5333-8df6-4faf-84dc-0b86bc93c847&pd_rd_i=B0015TI4G2&psc=1)