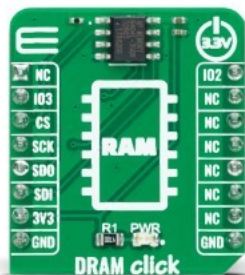


## DRAM Click



PID: MIKROE-5337

**DRAM Click** is a compact add-on board representing a dynamic random-access memory solution. This board contains the [APS6404L-3SKR](#) from [AP Memory](#), a high-performance 64Mb SPI/KPI PSRAM memory organized as 8M x 8 bits each. This Pseudo-SRAM device features a high speed, low pin count interface and incorporates a seamless self-managed refresh mechanism to maximize the performance of memory read operation. It has 4 SDR I/O pins and operates in SPI or QPI (quad peripheral interface) mode with frequencies up to 133 MHz. This Click board™ is most suitable for low-power and low-cost portable applications.

DRAM Click is supported by a [mikroSDK](#) compliant library, which includes functions that simplify software development. This [Click board™](#) comes as a fully tested product, ready to be used on a system equipped with the [mikroBUS™](#) socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.  
ISO 14001: 2015 certification of environmental management system.  
OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

## Specifications

|                  |  |
|------------------|--|
| Type             | DRAM   |
| Applications     | Can be used for low-power and low-cost portable applications   |
| On-board modules | APS6404L-3SQR - 64Mb PSRAM (Pseudo-SRAM) memory from AP Memory   |
| Key Features     | Low power consumption, SPI/QPI with SDR mode, high performance, organized as 8M x 8bits, page size of 1024 bytes, self-managed refresh mechanism, software reset, and more |
| Interface        | QSPI,SPI   |
| Compatibility    | mikroBUS   |
| Click board size | S (28.6 x 25.4 mm)   |
| Input Voltage    | 3.3V   |

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

## Downloads

[DRAM click example on Libstock](#)

[DRAM click 2D and 3D files](#)

[APS6404L-3SQR datasheet](#)

[DRAM click schematic](#)

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