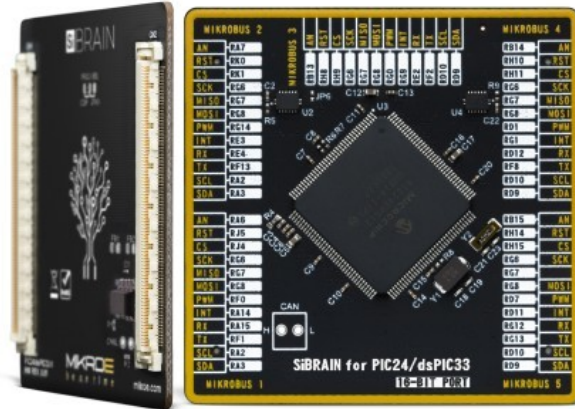


# SiBRAIN for PIC24EP512GU814



PID: MIKROE-4660

SiBRAIN is a standardized microcontroller add-on board, which allows very simple installation and replacement of the microcontroller unit (MCU) on a development board equipped with the SiBRAIN Card socket. By introducing the new SiBRAIN standard, we have ensured the absolute compatibility between the development board and any of the supported MCUs, regardless of their pin number and compatibility. SiBRAIN is equipped with two 168-pin mezzanine connectors, allowing it to support even MCUs with extremely high pin count. The clever design allows very simple usage, following the well-established plug & play concept of the Click board™ line of product.

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            | 8th Generation       |
| Architecture    | dsPIC/PIC24 (16-bit) |
| MCU Memory (KB) | 512                  |
| Silicon Vendor  | Microchip            |
| Pin count       | 144                  |
| RAM (Bytes)     | 53248                |
| Supply Voltage  | 3.3V                 |

## Downloads

[PIC24EP512GU814 datasheet](#)

[SiBRAIN for PIC24EP512GU814 schematic](#)

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