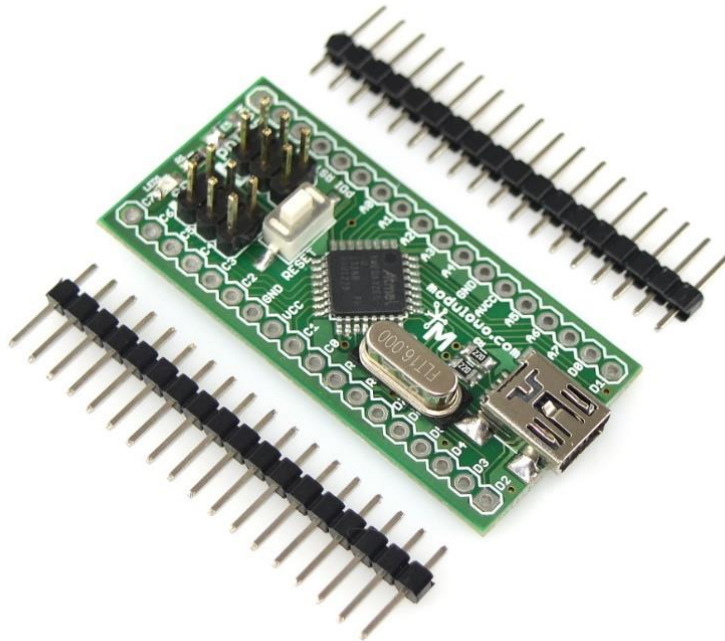


## MOD - 26

### Xmega eXploreE5 with ATXmega32E5



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*Xmega eXploreE5 is a mini-module with the ATXmega32E5 microcontroller, which enables the introduction of the microcontrollers from the AVR Xmega family. AVR Xmega E-series microcontrollers are the most energy-efficient ones from the whole AVR XMEGA family.*

The module is equipped with a SPI connector for programming and a PDI connector for programming and debugging of microcontrollers. It is ideal for the breadboard. It also has a built-in crystal oscillator, however it is possible to install a ceramic resonator or a pin connector for the crystal oscillator. The built-in USB connector can be used for power supply. The module is also equipped with a protection system – Polymer Fuse 500 mA.

**Note!** AVR Xmega microcontrollers tolerate signals at the level of +3.3V. The connection of +5V signals will damage the microcontroller.



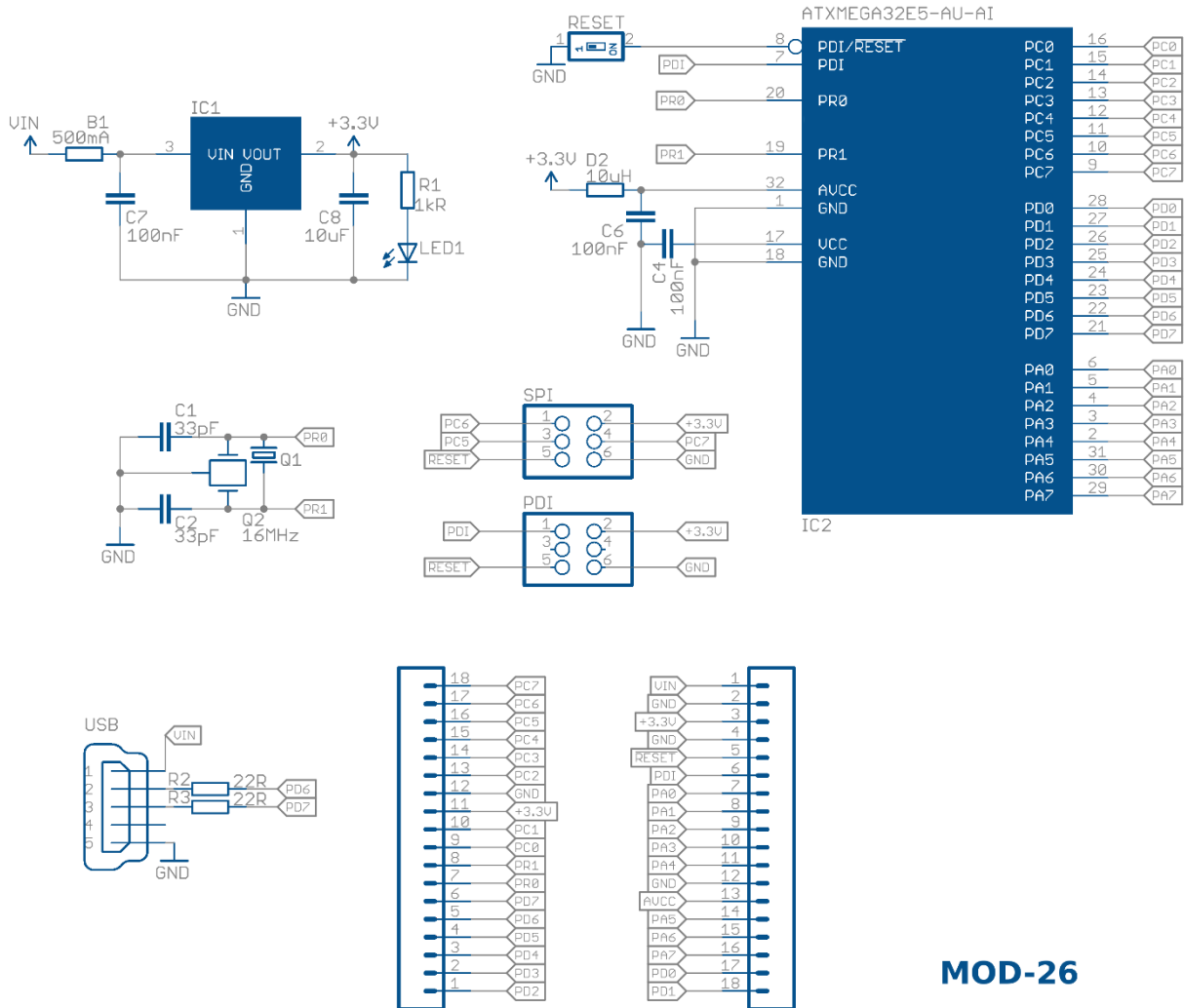
### Specifications:

<b>Code and Product Name</b>	<b>MOD-26 Xmega eXploreE5 z ATXmega32E5</b>
<b>Integrated Circuit</b>	ATXmega32E5-AU
<b>Protection</b>	Polymer Fuse 500mA
<b>Clock Frequency</b>	16MHz
<b>Programming</b>	SPI, PDI
<b>Debugging</b>	PDI
<b>Output Pins</b>	2 x 18 pin, fitted to the breadboard
<b>Power</b>	+1.6 V to +3.6 V (VCC pins), +5V (USB Connector) , +5V (VIN pin)
<b>LED Indication</b>	Yes
<b>Dimensions</b>	50 mm x 24 mm
<b>Configuration</b>	When using the VIN pin disconnect the USB cable
<b>Additional Information</b>	A ceramic resonator or pin can be mounted instead the crystal oscillator
	built-in RESET switch
	built-in + 3.3V stabiliser
	USB Connector only for Power Supply

### Your list of modules

Each module has a unique serial number. Go to [www.modulowo.com/list](http://www.modulowo.com/list), enter the serial number and add the module to your list. This will allow quick access to the documentation and software.

### Schematic:



### MOD-26

### Pinouts:

