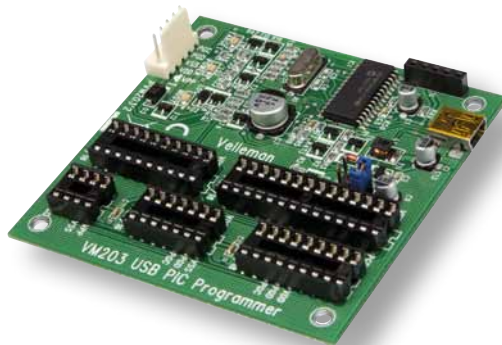


VM203

MANUAL HVM203*1

USB PIC[®] programmer

velleman[®]
MODULES



This PICKit™2 Development Programmer/Debugger features on-board sockets for many types of PIC[®] microcontrollers and an ICSP connector.

It is compatible with the free tools from Microchip[®] such as the MPLAB[®] IDE environment.

Specifications

- USB powered
- power output to target is supported
- indicator LEDs for power supply and programming mode
- USB driven alternative for K8048
- dimensions: 70 x 73mm / 2.76 x 2.87"

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News

NEW RELEASED LOG CODE

Cablelogger software suitable for download (next)

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Accessories

20 items (page 1/2)

Item name	Thumbnail	Price	Stock	Subtotal
Cable logger - Cablelogger software Read More... Module - Velleman Projects		7,5	5	70,00 € 2013-12-11 02:07
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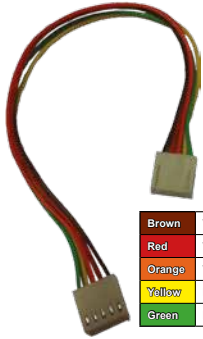
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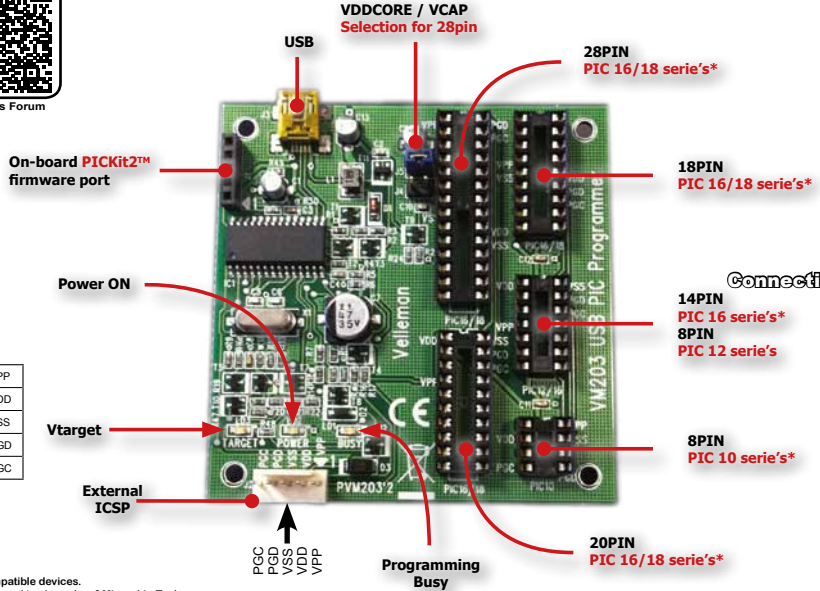
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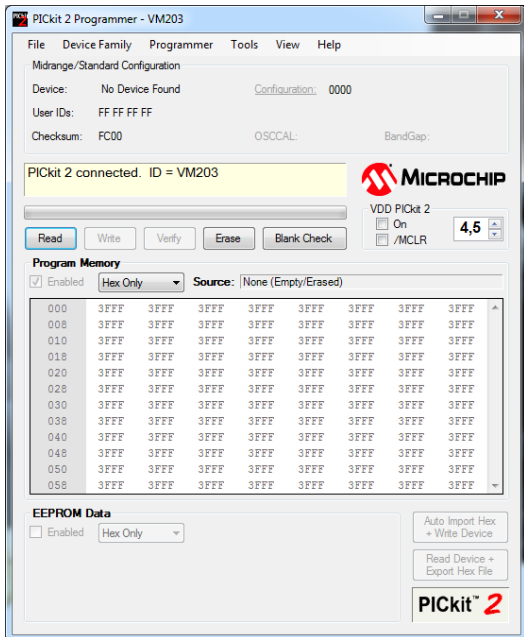


ICSP connector cable



Connection dia

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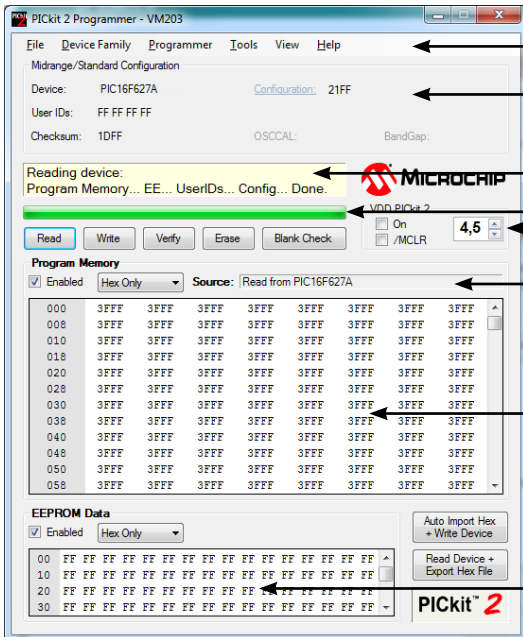
Download the latest PICKit™2 development Programmer/Debugger via <http://www.microchip.com/Developmenttools/ProductDetails.aspx?PartNO=PG164120>.

The supported PIC microcontrollers are indicated in the MPLAB software.

- Install the program PICKit 2 v2.61 with the .NET framework.
- When installation is complete, you can connect the VM203 to the computer's USB port.
- Double click the "PICKit 2 v2.61" icon on the desktop.
- The "PICKit 2 Programmer - VM203" should show text:
- "PICKit 2 connected ID = VM203"

The PICKit 2 Programmer application allows you to program all supported devices listed in the PICKit 2 Readme file.

📖 Read the PICKit™2 User's Guide for more detailed information about the PICKit™2 development Programmer/Debugger, you can find in the 'Help menu' of the programmer.



Menu Bar

Device Configuration

Status Window

Progress Bar

Device VDD

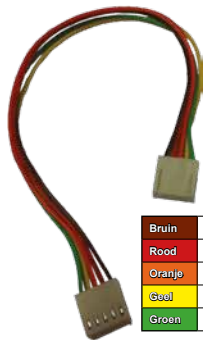
Memory Source

Program Memory

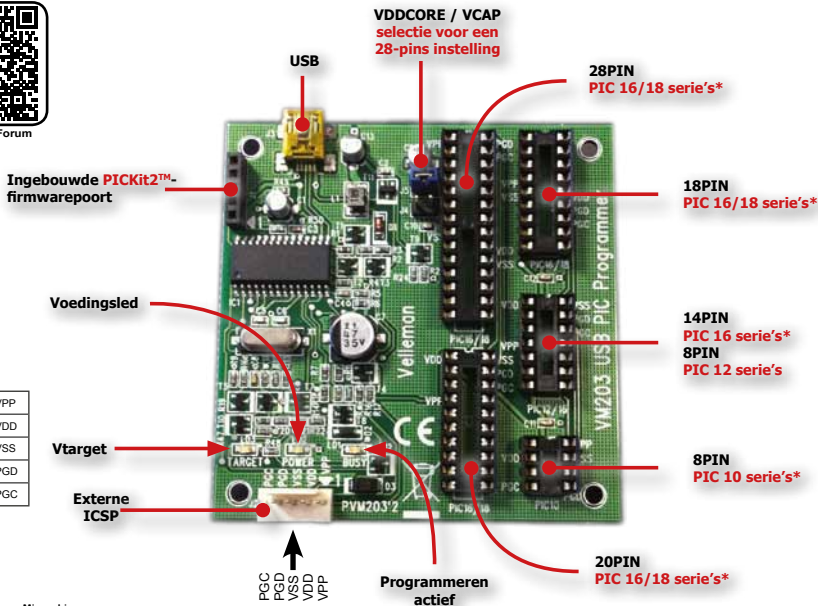
EEPROM Data Memory



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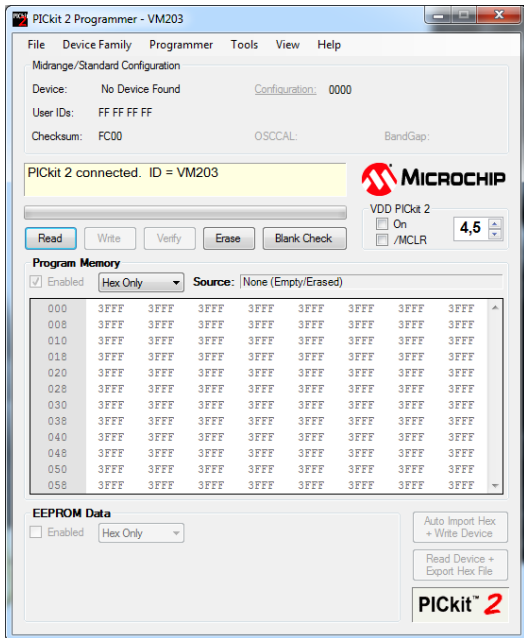


ICSP kabel



* Bekijk de PICKit™2-compatibele toestellen op Microchip.com.

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Download de laatste versie van de PICKit2 programmer/debugger via <http://www.microchip.com/Developmenttools/ProductDetails.aspx?PartNO=PG164120>.

De ondersteunde PIC-microcontrollers worden in de MPLAB-software aangegeven.

- Installeer het programma PICKit v2.61 met het .NET framework.
- Na de installatie sluit u de VM203 aan op de USB-poort van de computer.
- Dubbelklik op "PICKit 2 v2.61" (bureaublad).
- "PiCkit 2 Programmer – VM203" geeft het volgende weer: "PICKit2 connected ID = VM203"

Met de PICKit2-programmerer kunt u alle ondersteunde toestellen programmeren, die u in het PICKit2 README-bestand vindt.

☞ Raadpleeg de gebruikershandleiding voor meer informatie over de PICKit2-ontwikkelingstool (beschikbaar via het Help-menu in het programma).

The screenshot shows the PICkit 2 Programmer - VM203 interface. At the top is a menu bar (File, Device Family, Programmer, Tools, View, Help). Below it is a configuration area for a PIC16F627A device, showing settings like Configuration (21FF), User IDs (FF FF FF FF), and Checksum (1DFF). A yellow status window indicates 'Reading device: Program Memory...'. A green progress bar is visible below the status window. There are buttons for Read, Write, Verify, Erase, and Blank Check. A VDD dropdown is set to 4.5V. The Program Memory section is active, showing a table of memory addresses and hex values. The EEPROM Data section is also active, showing a table of EEPROM addresses and hex values. The PICkit 2 logo is in the bottom right corner.

Menubalk

Configuratie

Statusvenster

Voortgangsbalk

VDD

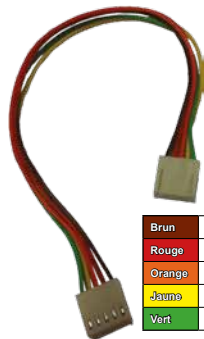
Geheugenbron

Programmageheugen

EEPROM-datageheugen

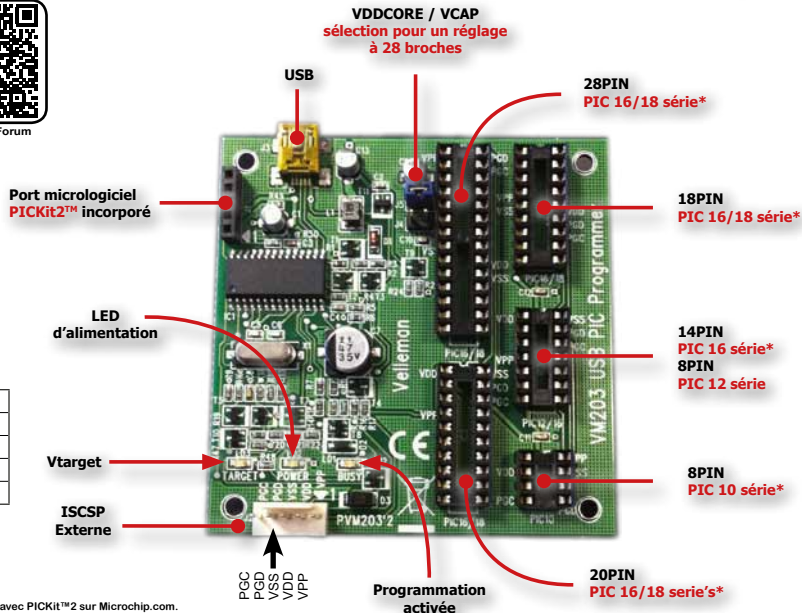


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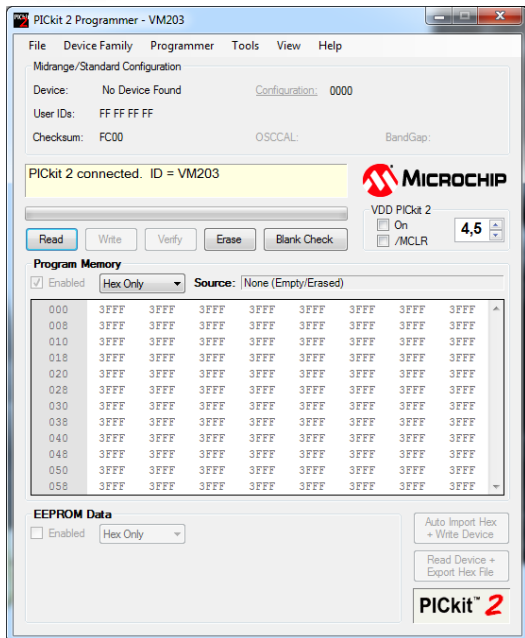
câble ICSP

Brun	VPP
Rouge	VDD
Orange	VSS
Jaune	PGD
Vert	PGC



* Consultez la liste d'appareils compatibles avec PICKit™2 sur Microchip.com.

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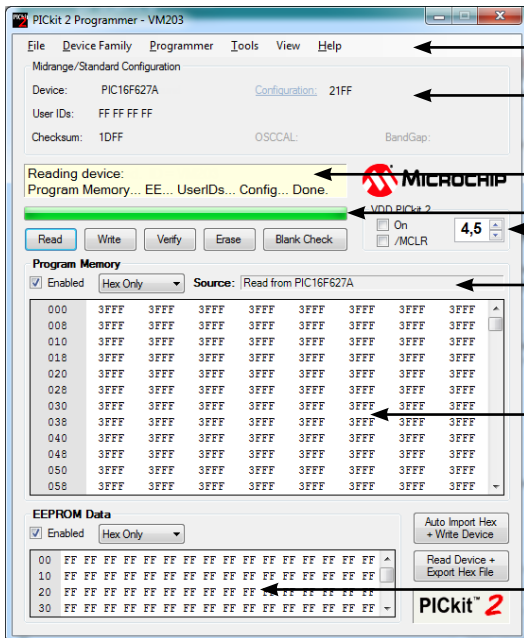
Téléchargez la dernière version du programmeur / débogueur PICKit2 sur : <http://www.microchip.com/Developmenttools/ProductDetails.aspx?PartNO=PG164120>.

Les microcontrôleurs PIC supportés sont indiqués dans le logiciel MPLAB.

- Installez le programme PICKit v.2.61 avec le framework .NET.
- Après l'installation, connectez le VM203 au port USB de l'ordinateur.
- Double-cliquez sur " PICKit v2.61" (bureau).
- "PICKit 2 Programmer – VM2033" affiche : "PICKit 2 connected ID = VM203"

Le programmeur PICKit2 vous permet de programmer les appareils supportés, que vous trouverez dans le fichier

🔗 Pour plus de détails sur l'outil de développement PICKit2, consultez le guide d'utilisation (disponible depuis le menu Aide du programme).



Barre de menu

Configuration du périphérique

Fenêtre d'état

Barre de progression

VDD

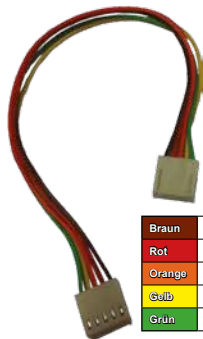
Source de mémoire

Mémoire de programmation

Mémoire de données EEPROM



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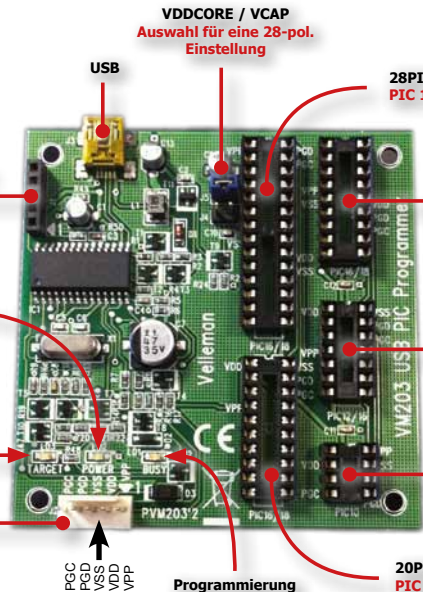
ICSP-Kabel

Eingebauter PICKit2™
Firmware-Port

Stromversorgungs-
LED

Vtarget

Externe
ICSP



VDDCORE / VCAP
Auswahl für eine 28-pol.
Einstellung

28PIN
PIC 16/18 serie*

18PIN
PIC 16/18 serie*

14PIN
PIC 16 serie*
8PIN
PIC 12 serie

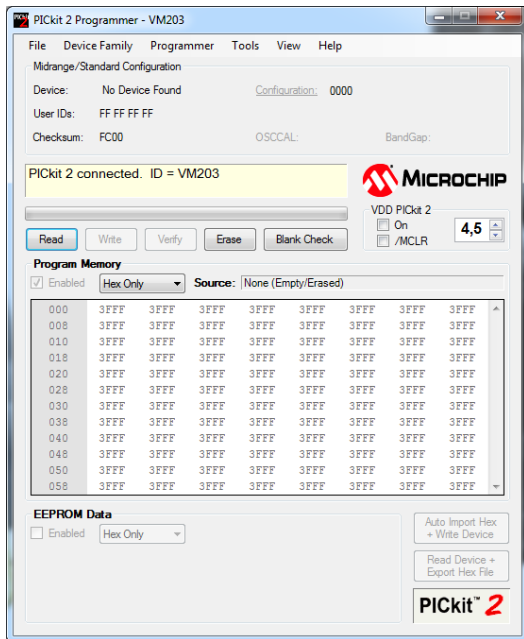
8PIN
PIC 10 serie*

20PIN
PIC 16/18 serie*

Programmierung
aktiv

PGC
PGD
VSS
VDD
VPP

* Besuchen Sie Microchip.com für Geräte, die mit PICKIT2 kompatibel sind.
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Laden Sie die neueste Version des PICKit™2 Programmer herunter: <http://www.microchip.com/Developmenttools/ProductDetails.aspx?PartNO=PG164120>.

Die unterstützten PIC-Microcontroller werden in der MPLAB-Software angezeigt.

- Installieren Sie PICKit 2 v2.61 mit .NET framework.
- Verbinden Sie den VM203 danach mit dem USB-Port des Computers.
- Klicken Sie zwei Mal auf "PICKit 2 v2.61".
- "PICKit 2 Programmer - VM203" zeigt normalerweise den folgenden Text an: "PICKit 2 connected ID = VM203"

Mit der PICKit 2 Programmer-Applikation können Sie alle unterstützten Geräte der PICKit 2 Readme Datei programmieren.

☞ Für mehr Informationen über den PICKit™2 Programmer, lesen Sie bitte die Bedienungsanleitung (siehe Hilfe Menü des Programmers).

The screenshot shows the PICkit 2 Programmer - VM203 interface. At the top is a menu bar (File, Device Family, Programmer, Tools, View, Help). Below it is a configuration area for a PIC16F627A device, showing configuration 21FF, user IDs, and checksums. A status bar indicates 'Reading device: Program Memory... EE... UserIDs... Config... Done.' with a progress bar. Below the status bar are buttons for Read, Write, Verify, Erase, and Blank Check. A dropdown menu shows 'VDD PICkit 2' set to 4.5V. The 'Program Memory' section is active, showing a hex dump of memory addresses 000 to 058, all containing 3FFF. The 'EEPROM Data' section is also active, showing a hex dump of addresses 00 to 30, all containing FF. The PICkit 2 logo is visible in the bottom right corner.

Menüleiste

Konfiguration des Gerätes

Status

Fortschrittsbalken

Stromversorgung

Quelle

Programmspeicher

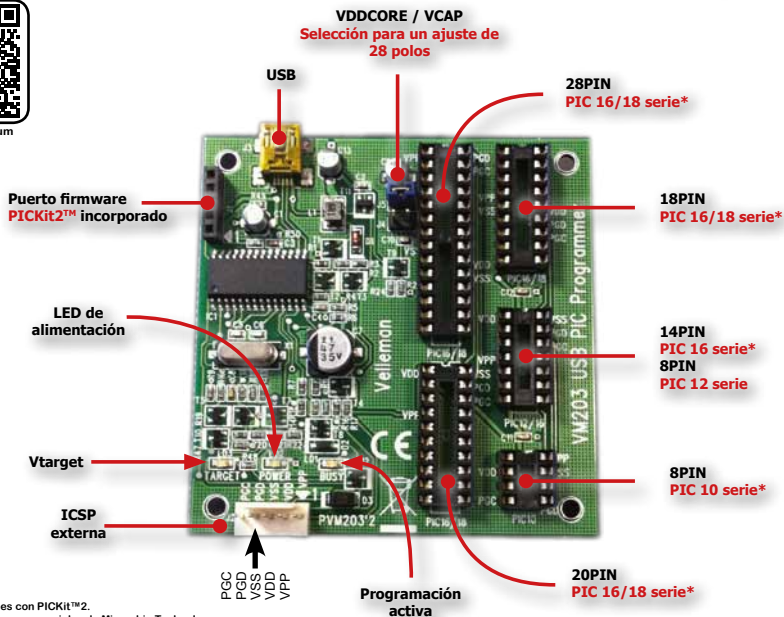
EEPROM-Speicher



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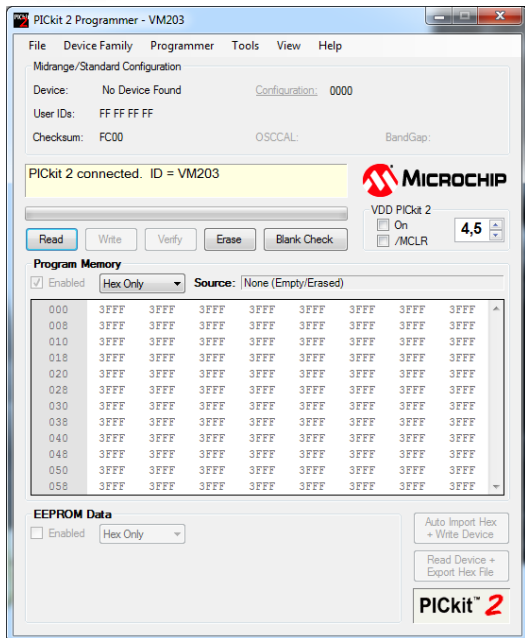


cable ICSP



* Visite Microchip.com para aparatos compatibles con PICKit™2.

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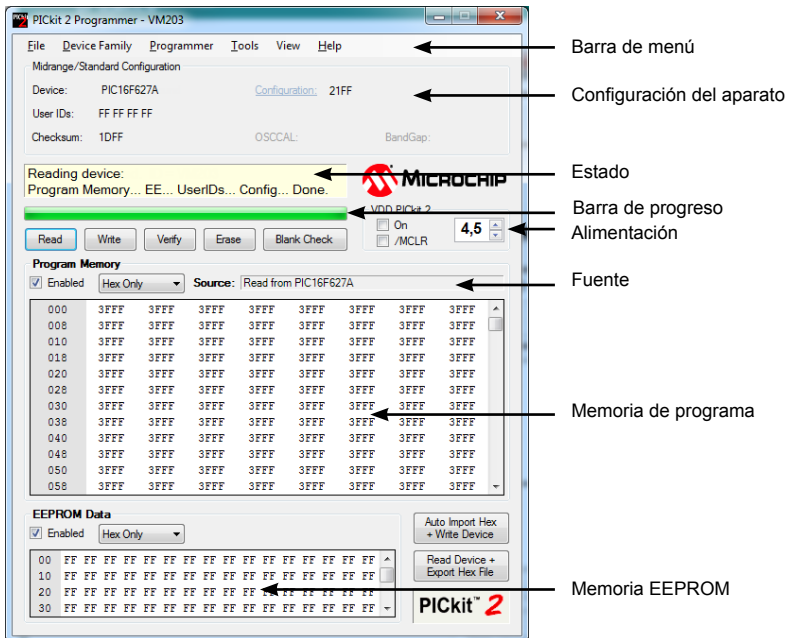
Descargue la última versión del programador PICKit™2: <http://www.microchip.com/Developmenttools/ProductDetails.aspx?PartNO=PG164120>.

Los microcontroladores PIC soportados están indicados en el software MPLAB.

- Instale el programa PICKit 2 v2.61 con .NET framework.
- Después de la instalación, conecte el VM203 al puerto USB del ordenador.
- Haga clic dos veces en "PICKit 2 v2.61".
- El "PICKit 2 Programmer - VM203" visualizará el siguiente texto: "PICKit 2 connected ID = VM203"

La aplicación del programador PICKit™2 permite programar todos los aparatos soportados del fichero PICKit 2 Readme.

📖 Lea el manual del usuario para más información sobre el programador PICKit™2 (véase el menú de ayuda del programador).



The screenshot shows the PICkit 2 Programmer - VM203 application window. The interface includes a menu bar, a configuration section, a status bar, a progress bar, a power supply section, a program memory table, and an EEPROM data section. Annotations with arrows point to various components of the software.

Barra de menú (Menu bar)

Configuración del aparato (Device configuration)

Estado (Status)

Barra de progreso (Progress bar)

Alimentación (Power supply)

Fuente (Source)

Memoria de programa (Program memory)

Memoria EEPROM (EEPROM memory)

Program Memory Table:

Address	Hex 1	Hex 2	Hex 3	Hex 4	Hex 5	Hex 6	Hex 7	Hex 8	Hex 9
000	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF
008	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF
010	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF
018	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF
020	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF
028	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF
030	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF
038	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF
040	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF
048	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF
050	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF
058	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF	3FFF

EEPROM Data Table:

Address	Hex 1	Hex 2	Hex 3	Hex 4	Hex 5	Hex 6	Hex 7	Hex 8	Hex 9	Hex 10
00	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
10	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
20	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
30	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF



Velleman N.V.

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9890 Gavere

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