
1. Device Support List

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= NOTE: This list shows support for the PICkit 2 Programmer =
= software application. It does not show support for using the =
= PICkit 2 within MPLAB IDE. For a list of MPLAB supported =
= parts, see the MPLAB IDE PICkit 2 Readme. =
= (Typically in C:\Program Files\Microchip\MPLAB IDE\Readmes) =
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* Indicates new parts supported in this release with v1.61 of the device file.

+ Indicates parts that require 4.75V minimum VDD for programming. PICkit 2 may not be able to generate sufficiently high VDD, so an external 5.0v power supply may be required.

indicates Midrange parts that support low Vdd programming

Baseline Devices

PIC10F200	PIC10F202	PIC10F204	PIC10F206
PIC10F220	PIC10F222		
PIC12F508	PIC12F509	PIC12F510	PIC12F519
PIC16F505	PIC16F506	PIC16F526	
PIC16F54	PIC16F57	PIC16F59	

Midrange/Standard Devices

>> All 'LF' versions of devices are supported

PIC12F609	PIC12HV609		
PIC12F615	PIC12HV615		
PIC12F629	PIC12F635#	PIC12F675	PIC12F683#
PIC16F610	PIC16HV610	PIC16F616	PIC16HV616
PIC16F627	PIC16F628	PIC16F639	
PIC16F627A	PIC16F628A	PIC16F648A	
PIC16F630	PIC16F631	PIC16F636#	PIC16F676
PIC16F677	PIC16F684#	PIC16F685#	PIC16F687#
PIC16F688#	PIC16F689#	PIC16F690#	
PIC16F72+			
PIC16F73+	PIC16F74+	PIC16F76+	PIC16F77+
PIC16F716			
PIC16F737+	PIC16F747+	PIC16F767+	PIC16F777+
PIC16F785	PIC16HV785		
PIC16F84A	PIC16F87#	PIC16F88#	
PIC16F818#	PIC16F819#		
PIC16F870	PIC16F871	PIC16F872	
PIC16F873	PIC16F874	PIC16F876	PIC16F877
PIC16F873A	PIC16F874A	PIC16F876A	PIC16F877A
PIC16F882#			
PIC16F883#	PIC16F884#	PIC16F886#	PIC16F887#
PIC16F913#	PIC16F914#	PIC16F916#	PIC16F917#

PIC16F946#

Midrange/1.8V Min Devices

PIC16F722	PIC16LF722		
PIC16F723	PIC16LF723	PIC16F724	PIC16LF724
PIC16F726	PIC16LF726	PIC16F727	PIC16LF727
PIC16F1933	PIC16F1934	PIC16F1936	PIC16F1937
PIC16F1938	PIC16F1939		
PIC16LF1933	PIC16LF1934	PIC16LF1936	PIC16LF1937
PIC16LF1938	PIC16LF1939		

PIC18F Devices

>> All 'LF' versions of devices are supported

PIC18F242	PIC18F252	PIC18F442	PIC18F452
PIC18F248	PIC18F258	PIC18F448	PIC18F458
PIC18F1220	PIC18F1320	PIC18F2220	
PIC18F1230	PIC18F1330	PIC18F1330-ICD	
PIC18F2221	PIC18F2320	PIC18F2321	PIC18F2331
PIC18F2410	PIC18F2420	PIC18F2423	PIC18F2431
PIC18F2450	PIC18F2455	PIC18F2458	PIC18F2480
PIC18F2510	PIC18F2515	PIC18F2520	PIC18F2523
PIC18F2525	PIC18F2550	PIC18F2553	PIC18F2580
PIC18F2585			
PIC18F2610	PIC18F2620	PIC18F2680	PIC18F2682
PIC18F2685			
PIC18F4220	PIC18F4221	PIC18F4320	PIC18F4321
PIC18F4331	PIC18F4410	PIC18F4420	PIC18F4423
PIC18F4431	PIC18F4450	PIC18F4455	PIC18F4458
PIC18F4480			
PIC18F4510	PIC18F4515	PIC18F4520	PIC18F4523
PIC18F4525	PIC18F4550	PIC18F4553	PIC18F4580
PIC18F4585			
PIC18F4610	PIC18F4620	PIC18F4680	PIC18F4682
PIC18F4685	PIC18F6310	PIC18F6390	PIC18F6393
PIC18F6410	PIC18F6490	PIC18F6493	PIC18F6520
PIC18F6525	PIC18F6527		
PIC18F6585	PIC18F6620	PIC18F6621	PIC18F6622
PIC18F6627	PIC18F6628	PIC18F6680	PIC18F6720
PIC18F6722	PIC18F6723		
PIC18F8310	PIC18F8390	PIC18F8393	PIC18F8410
PIC18F8490	PIC18F8493		
PIC18F8520	PIC18F8525	PIC18F8527	PIC18F8585
PIC18F8620	PIC18F8621	PIC18F8622	PIC18F8627
PIC18F8628			
PIC18F8680	PIC18F8720	PIC18F8722	PIC18F8723

PIC18F_J_ Devices

PIC18F24J10	PIC18LF24J10		
PIC18F24J11	PIC18LF24J11	PIC18F24J50	PIC18LF24J50
PIC18F25J10	PIC18LF25J10		
PIC18F25J11	PIC18LF25J11	PIC18F25J50	PIC18LF25J50

PIC18F26J11	PIC18LF26J11	PIC18F26J50	PIC18LF26J50
PIC18F44J10	PIC18LF44J10		
PIC18F44J11	PIC18LF44J11	PIC18F44J50	PIC18LF44J50
PIC18F45J10	PIC18LF45J10		
PIC18F45J11	PIC18LF45J11	PIC18F45J50	PIC18LF45J50
PIC18F46J11	PIC18LF46J11	PIC18F46J50	PIC18LF46J50
PIC18F63J11	PIC18F63J90	PIC18F64J11	PIC18F64J90
PIC18F65J10	PIC18F65J11	PIC18F65J15	PIC18F65J50
PIC18F65J90			
PIC18F66J10	PIC18F66J11	PIC18F66J15	PIC18F66J16
PIC18F66J50	PIC18F66J55	PIC18F66J60	PIC18F66J65
PIC18F66J90			
PIC18F67J10	PIC18F67J11	PIC18F67J50	PIC18F67J60
PIC18F67J90			
PIC18F83J11	PIC18F83J90	PIC18F84J11	PIC18F84J90
PIC18F85J10	PIC18F85J11	PIC18F85J15	PIC18F85J50
PIC18F85J90			
PIC18F86J10	PIC18F86J11	PIC18F86J15	PIC18F86J16
PIC18F86J50	PIC18F86J55	PIC18F86J60	PIC18F86J65
PIC18F86J90			
PIC18F87J10	PIC18F87J11	PIC18F87J50	PIC18F87J60
PIC18F87J90			
PIC18F96J60	PIC18F96J65	PIC18F97J60	

PIC18F_K_Devices

PIC18F13K22	PIC18LF13K22	PIC18F14K22	PIC18LF14K22
PIC18F13K50	PIC18LF13K50	PIC18F14K50	PIC18LF14K50
PIC18F14K50-ICD			
PIC18F23K20	PIC18F24K20	PIC18F25K20	PIC18F26K20
PIC18F43K20	PIC18F44K20	PIC18F45K20	PIC18F46K20

PIC24 Devices

PIC24F04KA200	PIC24F04KA201		
PIC24F08KA101	PIC24F08KA102		
PIC24F16KA101	PIC24F16KA102		

NOTE: To program PIC24F-KA- devices with MCLR used as IO,
Tools > Use High Voltage Program Entry must be enabled.

PIC24FJ16GA002	PIC24FJ16GA004		
PIC24FJ32GA002	PIC24FJ32GA004		
PIC24FJ32GA102	PIC24FJ32GA104		
PIC24FJ48GA002	PIC24FJ48GA004		
PIC24FJ64GA002	PIC24FJ64GA004		
PIC24FJ64GA102	PIC24FJ64GA104		
PIC24FJ64GA006	PIC24FJ64GA008	PIC24FJ64GA010	
PIC24FJ96GA006	PIC24FJ96GA008	PIC24FJ96GA010	
PIC24FJ128GA006	PIC24FJ128GA008	PIC24FJ128GA010	
PIC24FJ128GA106	PIC24FJ128GA108	PIC24FJ128GA110	
PIC24FJ192GA106	PIC24FJ192GA108	PIC24FJ192GA110	
PIC24FJ256GA106	PIC24FJ256GA108	PIC24FJ256GA110	
PIC24FJ32GB002	PIC24FJ32GB004		

PIC24FJ64GB002	PIC24FJ64GB004	
PIC24FJ64GB106	PIC24FJ64GB108	PIC24FJ64GB110
PIC24FJ128GB106	PIC24FJ128GB108	PIC24FJ128GB110
PIC24FJ192GB106	PIC24FJ192GB108	PIC24FJ192GB110
PIC24FJ256GB106	PIC24FJ256GB108	PIC24FJ256GB110

PIC24HJ12GP201	PIC24HJ12GP202	
PIC24HJ16GP304		
PIC24HJ32GP202	PIC24HJ32GP204	
PIC24HJ32GP302	PIC24HJ32GP304	
PIC24HJ64GP202	PIC24HJ64GP204	
PIC24HJ64GP206	PIC24HJ64GP210	
PIC24HJ64GP502		
PIC24HJ64GP504	PIC24HJ64GP506	PIC24HJ64GP510
PIC24HJ128GP202	PIC24HJ128GP204	
PIC24HJ128GP206	PIC24HJ128GP210	
PIC24HJ128GP306	PIC24HJ128GP310	
PIC24HJ128GP502	PIC24HJ128GP504	
PIC24HJ128GP506	PIC24HJ128GP510	
PIC24HJ256GP206	PIC24HJ256GP210	PIC24HJ256GP610

dsPIC33 Devices

dsPIC33FJ06GS101	dsPIC33FJ06GS102	dsPIC33FJ06GS202
dsPIC33FJ16GS402	dsPIC33FJ16GS404	
dsPIC33FJ16GS502	dsPIC33FJ16GS504	
dsPIC33FJ12GP201	dsPIC33FJ12GP202	
dsPIC33FJ16GP304		
dsPIC33FJ32GP202	dsPIC33FJ32GP204	
dsPIC33FJ32GP302	dsPIC33FJ32GP304	
dsPIC33FJ64GP202	dsPIC33FJ64GP204	
dsPIC33FJ64GP206	dsPIC33FJ64GP306	dsPIC33FJ64GP310
dsPIC33FJ64GP706	dsPIC33FJ64GP708	dsPIC33FJ64GP710
dsPIC33FJ64GP802	dsPIC33FJ64GP804	
dsPIC33FJ128GP202	dsPIC33FJ128GP204	
dsPIC33FJ128GP206	dsPIC33FJ128GP306	dsPIC33FJ128GP310
dsPIC33FJ128GP706	dsPIC33FJ128GP708	dsPIC33FJ128GP710
dsPIC33FJ256GP506	dsPIC33FJ256GP510	dsPIC33FJ256GP710
dsPIC33FJ128GP802	dsPIC33FJ128GP804	
dsPIC33FJ12MC201	dsPIC33FJ12MC202	
dsPIC33FJ16MC304		
dsPIC33FJ32MC202	dsPIC33FJ32MC204	
dsPIC33FJ32MC302	dsPIC33FJ32MC304	
dsPIC33FJ64MC202	dsPIC33FJ64MC204	
dsPIC33FJ64MC506	dsPIC33FJ64MC508	dsPIC33FJ64MC510
dsPIC33FJ64MC706	dsPIC33FJ64MC710	
dsPIC33FJ64MC802	dsPIC33FJ64MC804	
dsPIC33FJ128MC202	dsPIC33FJ128MC204	
dsPIC33FJ128MC506	dsPIC33FJ128MC510	dsPIC33FJ128MC706
dsPIC33FJ128MC708	dsPIC33FJ128MC710	
dsPIC33FJ256MC510	dsPIC33FJ256MC710	
dsPIC33FJ128MC802	dsPIC33FJ128MC804	

dsPIC30 Devices

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dsPIC30F2010      dsPIC30F2011      dsPIC30F2012  
dsPIC30F3010      dsPIC30F3011      dsPIC30F3012  
dsPIC30F3013      dsPIC30F3014  
dsPIC30F4011      dsPIC30F4012      dsPIC30F4013  
dsPIC30F5011^     dsPIC30F5013^     dsPIC30F5015  
dsPIC30F5016  
dsPIC30F6010A     dsPIC30F6011A     dsPIC30F6012A  
dsPIC30F6013A     dsPIC30F6014A     dsPIC30F6015
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^ These 2 devices are not supported for low VDD programming.

dsPIC30 SMPS Devices

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-----  
dsPIC30F1010  
dsPIC30F2020      dsPIC30F2023
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PIC32 Devices

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-----  
PIC32MX320F032H   PIC32MX320F064H   PIC32MX320F128L  
PIC32MX320F128H  
PIC32MX340F128H   PIC32MX340F128L  
PIC32MX340F256H  
PIC32MX340F512H*  
PIC32MX360F256L   PIC32MX360F512L  
PIC32MX420F032H  
PIC32MX440F128L   PIC32MX440F128H  
PIC32MX440F256H   PIC32MX440F512H  
PIC32MX460F256L   PIC32MX460F512L
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KEELOQ HCS Devices

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-----  
HCS200      HCS201      HCS300      HCS301      HCS320  
HCS360      HCS361      HCS362
```

HCSxxx File -> Import HEX Notes:

The first line only may be imported from SQTP
*.NUM files generated by the KEELOQ tool in
MPLAB.

Connections for HCS devices

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-----  
PICKit 2 Pin      HCS Device Pin  
(2) Vdd           8  
(3) GND           5  
(5) PGC           /3           HCS20x, 320  
                  \3 -or- 4     HCS30x, 36x  
(4) PGD           6  
(1) VPP           2           HCS360, 361 only
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MCP250xx CAN Devices

MCP25020 MCP25025
MCP25050 MCP25055

!!IMPORTANT!! - MCP250xx devices are OTP and can only be programmed once.

Connections for MCP250xx devices

PICKit 2 Pin MCP Device Pin (DIP)
(1) Vpp 11 Vpp
(2) Vdd 14 VDD
 - The MCP device MUST be powered from PICKit 2!
(3) GND 7 Vss
(4) PGD 5 DATA
(5) PGC 6 CLOCK

Serial EEPROM Devices

NOTE: Other supported voltage grades are listed in parentheses next to the device. Select the "LC" part number to program these other voltage grades.

11LC010 (AA)
11LC020 (AA)
11LC040 (AA)
11LC080 (AA)
11LC160 (AA)

24LC00 (AA) (C)	25LC010A (AA)
24LC01B (AA)	25LC020A (AA)
24LC02B (AA)	25LC040A (AA)
24LC04B (AA)	25LC080A (AA)
24LC08B (AA)	25LC080B (AA)
24LC16B (AA)	25LC160A (AA)
24LC32A (AA)	25LC160B (AA)
24LC64 (AA) (FC)	25LC320A (AA)
24LC128 (AA) (FC)	25LC640A (AA)
24LC256 (AA) (FC)	25LC128 (AA)
24LC512 (AA) (FC)	25LC256 (AA)
24LC1025 (AA) (FC)	25LC512 (AA)
	25LC1024 (AA)

93LC46A/B/C (AA) (-C)
93LC56A/B/C (AA) (-C)
93LC66A/B/C (AA) (-C)
93LC76A/B/C (AA) (-C)
93LC86A/B/C (AA) (-C)

Connections for 11LC devices

PICKit 2 Pin 11LC Device Pin (DIP)

(2) Vdd !	8 Vcc
(3) GND	4 Vss
(6) AUX	5 SCIO

! 11LC devices may not program properly below 3.6V VDD.
This is a limitation of the PICKit 2 AUX IO pin.

Connections for 24LC devices

PICKit 2 Pin	24LC Device Pin (DIP)
(2) Vdd !	8 Vcc
(3) GND	4 Vss
(5) PGC	6 SCL (driven as push-pull)
(6) AUX	5 SDA (requires pullup)
	7 WP - disabled (GND)
	1, 2, 3 Ax pins
	Connect to Vdd or GND per datasheet and to set address

! 24LC devices may not program properly below 3.6V VDD.
This is a limitation of the PICKit 2 AUX IO pin.

Connections for 25LC devices

PICKit 2 Pin	25LC Device Pin (DIP)
(1) VPP	1 nCS
(2) Vdd	8 Vcc
(3) GND	4 Vss
(4) PGD	2 SO
(5) PGC	6 SCK
(6) AUX	5 SI
	7 nHOLD - disabled (Vdd)
	3 nWP - disabled (Vdd)

Connections for 93LC devices

PICKit 2 Pin	93LC Device Pin (DIP)
(1) VPP	1 CS
(2) Vdd	8 Vcc
(3) GND	5 Vss
(4) PGD	4 DO
(5) PGC	2 CLK
(6) AUX	3 DI
	7 PE - enabled (Vdd)
	6 'C' Device ORG
	Set to select word size