

QB USB ICD2 PLUS

The Fully Compatible downloader with Microchip's MPLAB ICD2

- ✓ **In-Circuit Debugger(IDC) function**
- ✓ **In-Circuit Serial Programmer(ICSP) function**
- ✓ **Support MPLAB IDE**



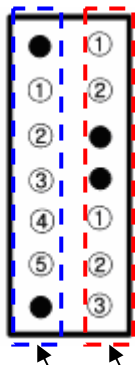
QB USB ICD2 PLUS we offer is perfectly compatible with MPLAB ICD2(DV164007), suitable for use in programming and debugging of PIC & dsPIC series devices using MPLAB IDE. This ICD2 PLUS offer the user a number of benefits including;

- ✓ Perfectly compatible with MPLAB ICD2
- ✓ More convenient to use with default flying lead connection
- ✓ Easy to use
- ✓ Low in cost
- ✓ 100% ROHS compliant

Main Feature

Driver installation
Exactly the same as that of the Microchips' MPLAB ICD2
Main functions
<ul style="list-style-type: none"> - in-circuit debugger function (ICD) - In-circuit Serial Programmer (ICSP) function - USB interface(Full speed 2Mbits/s) - Easy Firmware upgrade on PC - Supports Low voltage(2.0Volts) - 2.0V ~ 6.0V - Three Status LEDs (Power, Busy, Error)
Supported devices
PIC MCU & dsPIC DSC

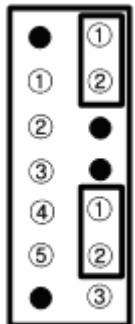
Connection Pins & Jumpers



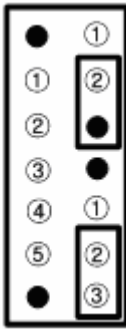
DEBUG SIGNAL	MODE OPTION
---	LDON
MCLR	LDOFF
VCC	---
GND	---
PDAT	ICD2
PCLK	OP
---	WRT

Option Jumpers
 Connection pins to a MCU

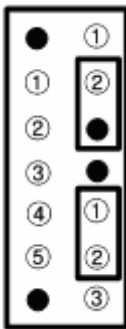
Jumper Setting



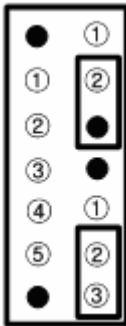
DEBUG SIGNAL	MODE OPTION	Deception
---	LDON	LDON : Low Voltage Device Power ON
MCLR	LDOFF	
VCC	---	---
GND	---	---
PDAT	ICD2	ICD2 Mode
PCLK	OP	
---	WRT	



DEBUG SIGNAL	MODE OPTION	Deception
---	LDON	LDOFF : Low Voltage Device Power OFF
MCLR	LDOFF	
VCC	---	---
GND	---	---
PDAT	ICD2	Writer Mode
PCLK	OP	
---	WRT	



DEBUG SIGNAL	MODE OPTION	Deception
---	LDON	LDOFF : Low Voltage Device Power OFF
MCLR	LDOFF	
VCC	---	---
GND	---	---
PDAT	ICD2	ICD2 Mode
PCLK	OP	
---	WRT	



DEBUG SIGNAL	MODE OPTION	Deception
---	LDON	LDON : Low Voltage Device Power ON
MCLR	LDOFF	
VCC	---	---
GND	---	---
PDAT	ICD2	Writer Mode
PCLK	OP	
---	WRT	

Note:

- When "LDON" is selected, the user can program or debug a low voltage(less than or equal to 3.3V) device without any external power supply to the target board. Please keep selecting "LDOFF" for normal operation
- When "ICD2 Mode" is selected, PGC and PGD pins of the target device are keeping occupied by the ICD2 Plus.
- When "Writer Mode" is selected, PGC and PGD pins get free after being programmed by the ICD2 PLUS.