

# PIC24FJ1024GB610 Plug-In Module (PIM) Information Sheet

## Overview

The PIC24FJ1024GB610 Plug-in Module is designed to demonstrate the capabilities of the PIC24FJ1024GB610 family using the Explorer 16 Board. Most of the pins from the device are mapped directly to the PIM connector (100-Pin ICE). The exceptions are those pins that are remapped to provide remappable functionality to the pins in the PICtail™ Plus socket. [Table 1](#) below shows the exceptions of the PIC24FJ1024GB610 pins that are not directly connected to the ICE connector.

## Pin Mapping

There are several device pins that don't have a one-to-one connection to the ICE connector. Some are hard-wired to a certain location, while others are mapped to the connector through jumpers.

[Table 1](#) summarizes the device pins that don't have one-to-one connections.

**Table 1: Pin Mapping Exceptions (No Direct Connections)**

Signal Name	Device Pin	PIM Pin
OCM1C/CTED3/RG15	1	8
RP140/OCM2D/RG3	8	66
AN16/RP141/OCM3C/PMCS2/RG4	9	52
USBID/RF3	51	95
RP30/RF2	52	51
VBUS/RF7	54	1
VUSB3VS	55	N/C
RP136/SCL1/PMMA22/RA14	66	57
RP135/SDA1/PMBE1/RA15	67	56
SOSCI/C3IND/RG13	73	N/C
SOSCO/C3INC/RP137/PWRLCLK/RG14	74	N/C
CTED11/PMMA16/RG14	95	9

**Legend:** N/C = Signal is Not Connected to the PIM header

## Jumpers

[Table 2](#) and [Table 3](#) are the jumper tables on the silkscreen of the PIM.

**Table 2: USB Mode**

Jumper	Shunt	MCU Pin	Signal	PIM
J1	1-2	90	PMD8/RG0	79
J2	1-2	56	D-/RG3	89
J3	1-2	57	D+/RG2	90
J4	1-2	89	PMD9/RG1	77

**Table 3: 16-Bit EPMP Mode**

Jumper	Shunt	MCU Pin	Signal	PIM
J1	2-3	79	PMD12/RD12	79
J2	2-3	89	PMD9/RG1	89
J3	2-3	90	PMD8/RG0	90
J4	Open	89	Not Used	Not Used

## Americas

Atlanta - 678-957-9614  
 Austin - 512-257-3370  
 Boston - 774-760-0087  
 Chicago - 630-285-0071  
 Cleveland - 216-447-0464  
 Dallas - 972-818-7423  
 Detroit - 248-848-4000  
 Houston - 281-894-5983  
 Indianapolis - 317-773-8323  
 Los Angeles - 949-462-9523  
 New York - 631-435-6000  
 Phoenix - 480-792-7200  
 San Jose - 408-735-9110  
 Toronto - 905-673-0699

## Europe

Austria - Weis - 43-7242-2244-39  
 Denmark - Copenhagen - 45-4450-2828  
 France - Paris - 33-1-69-53-63-20  
 Germany - Dusseldorf - 49-21-29-3766400  
 Germany - Karlsruhe - 49-721-625370  
 Germany - Munich - 49-89-627-144-0  
 Italy - Milan - 39-0331-742611  
 Italy - Venice - 39-049-7625286  
 Netherlands - Drunen - 31-416-690399  
 Poland - Warsaw - 48-22-3325737  
 Spain - Madrid - 34-91-708-08-90  
 Sweden - Stockholm - 46-8-5090-4654  
 UK - Wokingham - 44-118-921-5800

## Asia/Pacific

Australia - Sydney - 61-2-9868-6733  
 China - Beijing - 86-10-8569-7000  
 China - Chengdu - 86-28-8665-5511  
 China - Chongqing - 86-23-8980-9588  
 China - Dongguan - 86-769-8702-9880  
 China - Hangzhou - 86-571-8792-8115  
 China - Hong Kong SAR - 852-2943-5100  
 China - Nanjing - 86-25-8473-2460  
 China - Qingdao - 86-532-8502-7355  
 China - Shanghai - 86-21-5407-5533  
 China - Shenyang - 86-24-2334-2829  
 China - Shenzhen - 86-755-8864-2200  
 China - Wuhan - 86-27-5980-5300  
 China - Xiamen - 86-592-2388138  
 China - Xian - 86-29-8833-7252  
 China - Zhuhai - 86-756-3210040  
 India - Bangalore - 91-80-3090-4444  
 India - New Delhi - 91-11-4160-8631  
 India - Pune - 91-20-3019-1500  
 Japan - Osaka - 81-6-6152-7160  
 Japan - Tokyo - 81-3-6880-3770  
 Korea - Daegu - 82-53-744-4301  
 Korea - Seoul - 82-2-554-7200  
 Malaysia - Kuala Lumpur - 60-3-6201-9857  
 Malaysia - Penang - 60-4-227-8870  
 Philippines - Manila - 63-2-634-9065  
 Singapore - 65-6334-8870  
 Taiwan - Hsin Chu - 886-3-5778-366  
 Taiwan - Kaohsiung - 886-7-213-7828  
 Taiwan - Taipei - 886-2-2508-9600  
 Thailand - Bangkok - 66-2-694-1351

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Microchip Technology Inc. • 2355 West Chandler Blvd. • Chandler, AZ 85224-6199

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# PIC24FJ1024GB610 Plug-In Module (PIM) Information Sheet

## Schematic Revision 1.1

JUMPER	USB	16-BIT EPMP
J1	1-2	2-3
J2	1-2	2-3
J3	1-2	2-3
J4	Closed	Open

