

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
RPI40/OCM2D/RC3	8	66
AN16/RPI41/OCM3C/PMCS2/RC4	9	52
USBID/RF3	51	95
RP30/RF2	52	51
VBUS/RF7	54	1
VUSB3VS	55	N/C
RPI36/SCL1/PMA22/RA14	66	57
RPI35/SDA1/PMBE1/RA15	67	56
SOSCI/C3IND/RC13	73	N/C
SOSCO/C3INC/RPI37/PWRLCLK/RC14	74	N/C
CTED11/PMA16/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 - Wels - 43-7242-2244-39
Denmark - Copenhagen - 45-4450-2828
France - Paris - 33-1-69-53-63-20
Germany - Dusseldorf - 49-2129-3766400
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 - 886-2-2508-8600
Thailand - Bangkok - 66-2-694-1351

07/14/15



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

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DS50002423A

Schematic Revision 1.1

