

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

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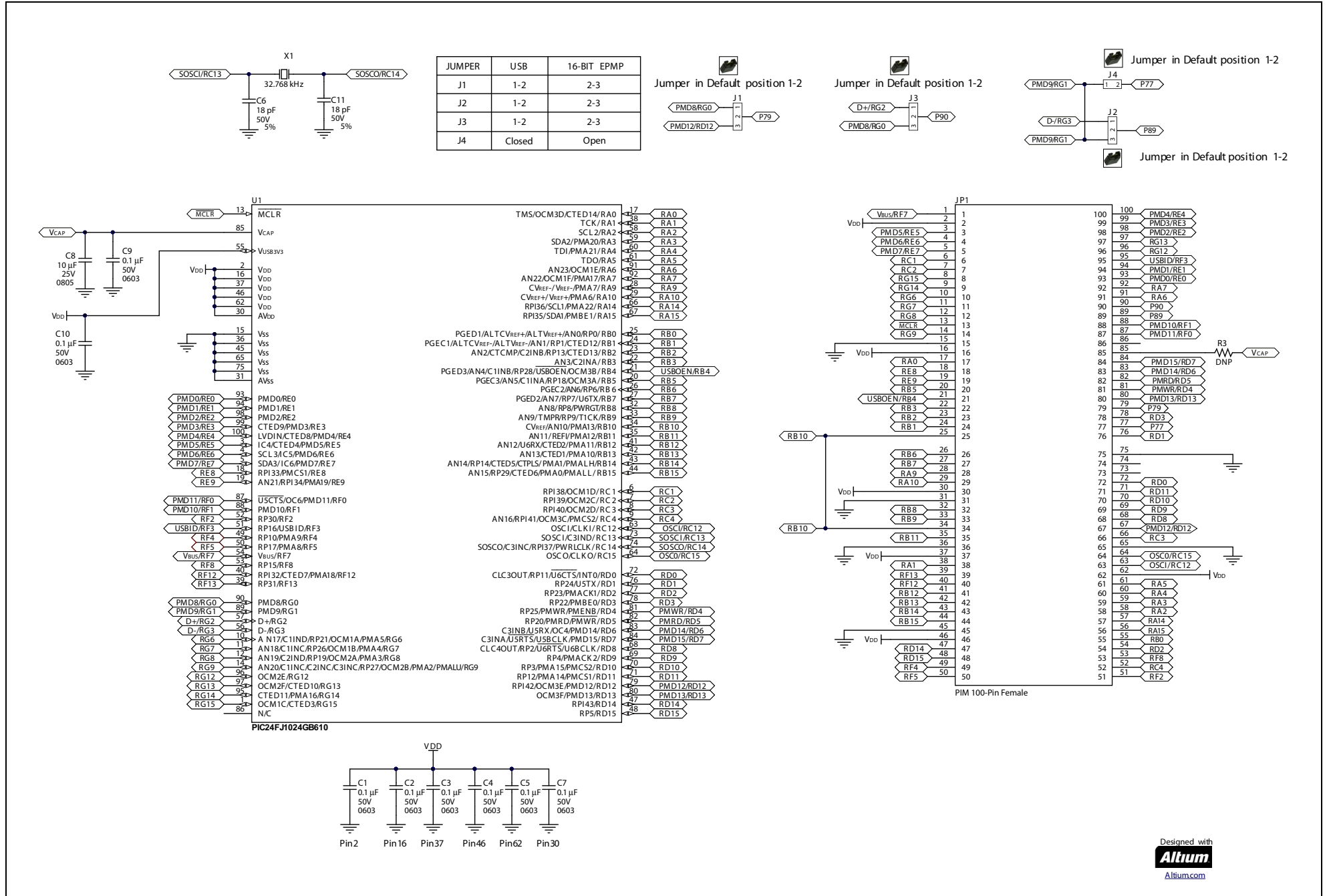
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Schematic Revision 1.1



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