

# VGA Camera Sensor PICtail™ Plus Daughter Board Information Sheet

Thank you for purchasing a VGA Camera Sensor PICtail Plus Daughter Board. This information sheet provides some important details that will help you successfully use the board as quickly as possible.

Additional information can be accessed at: <http://www.microchip.com>

## Basic Requirements

The VGA Camera Sensor PICtail Plus Daughter Board was designed to work with a PICtail™ Plus connector. This connector can be found on many boards including the Explorer 16 Development Board (DM240001) and the Starter Kit I/O Expansion Board (DM320002).

The VGA Camera Sensor PICtail Plus Daughter Board uses an OmniVision Technologies CameraCubeChip™ to receive digital video images. These images are then controlled by the microcontroller via I/O ports. Depending on the desired use, there are eight DATAx jumpers on the daughter board that can be used to switch between I/O lines. There is another jumper (J10) that can be used to switch between using an external clock source or the microcontroller as a clock source for the OmniVision Technologies CameraCubeChip™.

## Getting Started

To get started with the VGA Camera Sensor PICtail Plus Daughter Board, follow these steps:

1. Ensure that MPLAB® IDE is installed.
2. Download a project file for the daughter board from the Microchip web site.
3. Power the daughter board.
4. Connect a debugger/programmer.
5. Using MPLAB IDE, open the project that was previously downloaded.
6. Select a debugger/programmer in MPLAB IDE.
7. Click **Build**. This builds the downloaded project.
8. Click **Program all memories**.
9. Click **Run**.

Your VGA Camera Sensor PICtail Plus Daughter Board should now be up and running. To begin viewing the camera sensor image, either online or on an LCD, follow the guide that accompanies the chosen demonstration.

### Americas

Atlanta - 678-957-9614  
Boston - 774-760-0087  
Chicago - 630-285-0071  
Cleveland - 216-447-0464  
Dallas - 972-818-7423  
Detroit - 248-538-2250  
Indianapolis - 317-773-8323  
Los Angeles - 949-462-9523  
Phoenix - 480-792-7200  
Santa Clara - 408-961-6444  
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 - Munich - 49-89-627-144-0  
Italy - Milan - 39-0331-742611  
Netherlands - Drunen - 31-416-690399  
Spain - Madrid - 34-91-708-08-90  
UK - Wokingham - 44-118-921-5869

### Asia/Pacific

Australia - Sydney - 61-2-9868-6733  
China - Beijing - 86-10-8569-2100  
China - Chengdu - 86-28-8665-5511  
China - Chongqing - 86-23-8980-9588

### Asia/Pacific (Continued)

China - Hangzhou - 86-571-2819-3187  
China - Hong Kong SAR - 852-2401-1200  
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 - 86-755-8203-2660  
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 - 91-20-2566-1512  
Japan - Osaka - 81-66-152-7160  
Japan - Yokohama - 81-45-471-6166  
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 - 886-7-536-4818  
Taiwan - Taipei - 886-2-2500-6610  
Thailand - Bangkok - 66-2-694-1351

11/29/11



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

[www.microchip.com](http://www.microchip.com)

The Microchip name and logo, the Microchip logo, and MPLAB are registered trademarks of Microchip Technology Incorporated in the U.S.A. and other countries. All other trademarks mentioned herein are property of their respective companies. © 2012, Microchip Technology Incorporated, Printed in the U.S.A. All Rights Reserved. 11/11

DS52091A

# VGA Camera Sensor PICtail™ Plus Daughter Board Information Sheet

