RoBoard Module RM-G211
Manual V1.01
The Heart of Robotics

Nov 2012
DMP Electronics Inc

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T a b l e   O f   C o n t e n t s

Chapter 1

Introduction

1.1 Packing List

Product Name	Package
RM-G211	RoBoard Module RM-G211
Cable-RM-1	1x6 pin Cable x 1

1.2 Product Description

The RoBoard Module RM-G211 is an 8 channel 12 bit Analog to Digital module (AD7998), simply and all done through I2C interface, the dimension of it is wee as 20 x 20 mm.

1.3 Specifications

	RM-G211 Analog to Digital module
Analog to Digital	8 Channel 12 Bit (AD7998)
Interface	I^2C
Default Address	0x21
Connectors	1.25mm 6-pin wafer for I^2C x 2
Power Input	DC-in 5V
Dimension	20mm X 20mm
Weight	2.5g

1.4 I^2C Address

➢ Default : 0x21

1.5 Board Dimension
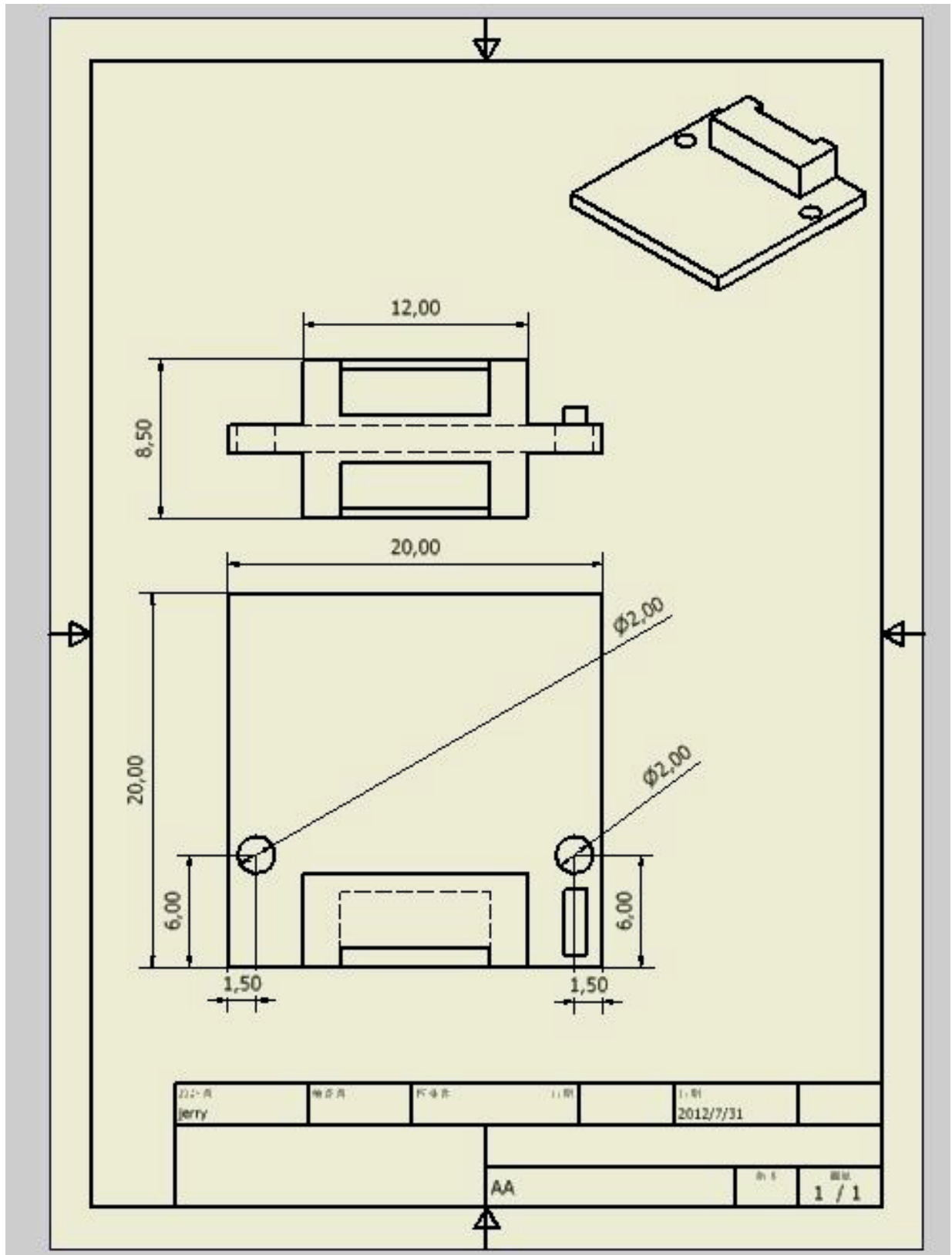
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Introduction

2.1 Board Outline
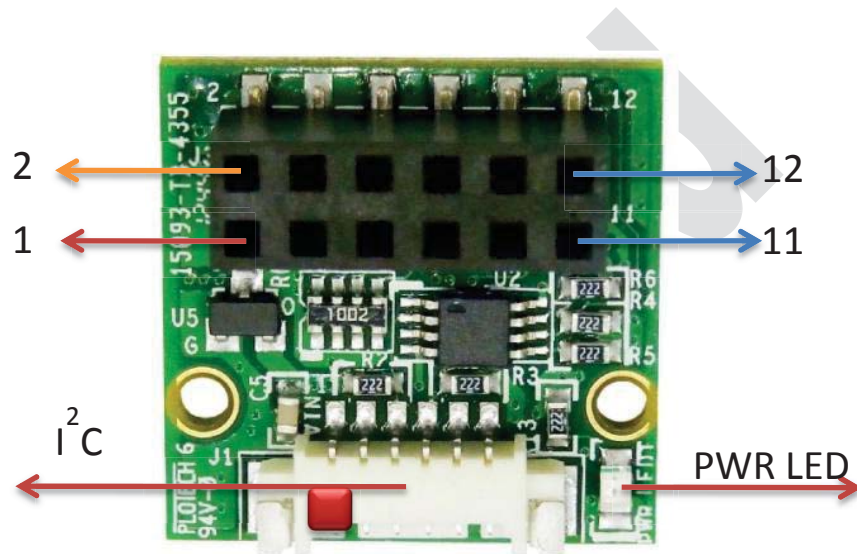
ADC Pin Assignment

1	2	3	4	5	6	7	8	9	10	11	12
5V	3.3V	GND	GND	VIN1	VIN2	VIN3	VIN4	VIN5	VIN6	VIN7	VIN8

2.2 Connectors & Jumpers Summary

Summary Table			
	Description	**Type of Connections**	**Pin**
J1	I^{2}C connector (Top)	Wafer, 2.54mm,6x1	6-pin
J2	I^{2}C connector (Bottom)	Wafer, 2.54mm,6x1	6-pin

2.3 Pin Assignments

J1: I^{2}C connector (Top)

Pin #	Signal Name
1	Vcc (Red)
2	GND (Black)
3	SCL (Blue)
4	SDA (Green)
5	X (White)
6	X (Orange)

J2: I^{2}C connector (Bottom)

Pin #	Signal Name
1	Vcc (Red)
2	GND (Black)
3	SCL (Blue)
4	SDA (Green)
5	X (White)
6	X (Orange)

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Introduction

Sample and development code

The RM-G211 provides sample and development code.

Please download from official website: http://www.roboard.com

Warranty

This product is warranted to be in good working order for a period of one year from the date of purchase. Should this product fail to be in good working order at any time during this period, we will, at our option, replace or repair it at no additional charge except as set forth in the following terms. This warranty does not apply to products damaged by misuse, modifications, accident or disaster. Vendor assumes no liability for any damages, lost profits, lost savings or any other incidental or consequential damage resulting from the use, misuse of, originality to use this product. Vendor will not be liable for any claim made by any other related party. Return authorization must be obtained from the vendor before returned merchandise will be accepted. Authorization can be obtained by calling or faxing the vendor and requesting a Return Merchandise Authorization (RMA) number. Returned goods should always be accompanied by a clear problem description.