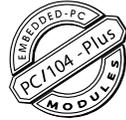


# PCM-3117 PCI to ISA Bridge Module



## Startup Manual

### Introduction

The PCM-3117 is PCI to ISA bridge module. For more and more PCI-104 bus application, there still have PC104+ module customer used. For all modules can be compatible, PCM-3117 is important solution. Except this, PCM-3117 support two COM RS-232/422/485, user can select the function by jumper setting.

But for OS limitation, user must install PCM-3117 first, then just can install OS; Or computer can not distinguish PCM-3117.

### Packing list

Before you begin installing your card, please make sure that the following materials have been shipped:

- 1 PCM-3117 module
- 1 Start-up manual
- 1 2 x COM port cable P/N: 1701200220
- 1 Signal CABLE 4P to 4P P/N: 1700001898

If any of these items are missing or damaged, contact your distributor or sales representative immediately.

### Features

PCM-3117 PCI to ISA Bridge Module

- Compatible with PC/104 and PC/104+
- PCI-104 CPU module (PCM-3380) be able to control PC/104 peripheral (ISA bus)
- Support 2 COM RS-232/422/485
- Support Windows NT 4.0, Windows 98/2000/XP/SE

### Specifications

- **Controller:** ITE IT8888F
- **Bus:** PC/104(ISA) and PC/104+(PCI)
- **Plug & Play:** Support Plug & Play automatic detection & configuration
- **PC/104 expansion:** 104-pin and 120-pin 16/32-bit PC104 /Plus module connector
- **Operating Voltage:** +5 V Only
- **Power Consumption:** +5 @ 70 mA (Typical)
- **Size/Weight:** 96 x 90 mm (3.8i x 3.5i). 90 g (0.198 lb)
- **Environment:** 0 ~ 60× C (operation), -40 ~ 85× (Storage)
- **Humidity:** 0 ~ 90%

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<http://www.advantech.com>

<http://www.advantech.com/eplatform>

For technical support and service, please visit our support website at:

<http://www.advantech.com/support>

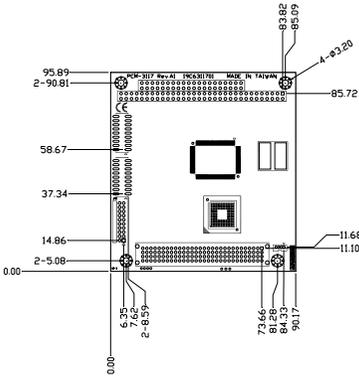
This manual is for the PCM-3117

Part No. 2006311701

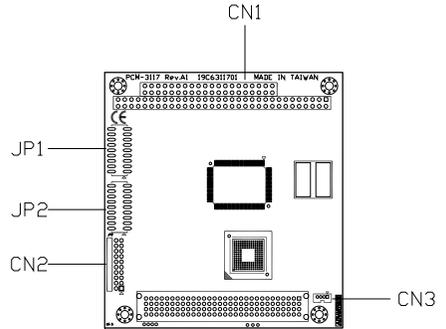
2nd Edition  
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# Mechanical Drawings

## Board Dimensions



## Locating Connector and Jumpers



## Jumper Settings

### COM port RS232/422/485 jumper setting

#### Jumper setting

#### JP1: RS232/422/485 jumper setting of COM1

RS232	RS422	RS485
JP1(5-6)	JP1(3-4)	JP1(1-2)
JP1(7-9)	JP1(9-11)	JP1(9-11)
JP1(8-10)	JP1(10-12)	JP1(10-12)
JP1(13-15)	JP1(15-17)	JP1(15-17)
JP1(14-16)	JP1(16-18)	JP1(16-18)

#### JP2: RS232/422/485 jumper setting of COM2

RS232	RS422	RS485
JP2(5-6)	JP2(3-4)	JP2(1-2)
JP2(7-9)	JP2(9-11)	JP2(9-11)
JP2(8-10)	JP2(10-12)	JP2(10-12)
JP2(13-15)	JP2(15-17)	JP2(15-17)
JP2(14-16)	JP2(16-18)	JP2(16-18)

## Connectors and Jumpers

#### Connector table

	CN1A: PC104 plus	
CN1A	PCI Interface signal	
	CN1B: PC104	
CN1B	ISA Interface signal	
	CN2: COM Port	
CN2	Connector of COM	
	CN3: Extended of several signals	

CN3	Pin1: PCI_ISANOGO#	
	Pin2: PCI_ISAGNT#	
	Pin3: PCI_ISAREQ#	
	Pin4: LPC_SERIRQ	

*Note: User must use 1700001898 on CN3 of PCM-3117 to connect with CN20 of PCM-3380F A2 version, this will be the cable for some ISA signal. Because the PCM-3380 A2 version just add the CN20, PCM-3117 must use for PCM-3380/3386 A2 version.*