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**IASI RS232 Cable**

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**BV604**



**BV604**

**IASI RS232 Cable**

Product specification

Jan 2006 v0.a

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# **BV604**

## **Contents**

1.	Introduction.....	3
2.	Circuit.....	3
3.	Specification .....	3

# IASI RS232 Cable

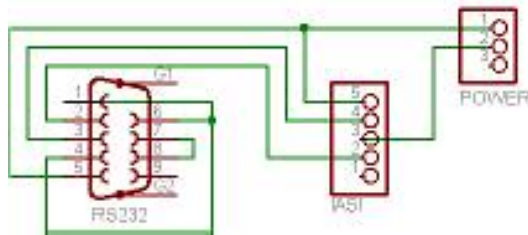
**BV604**

## 1. Introduction

IASI (Intelligent Asynchronous Serial Interface) is a method or protocol for connecting common peripherals such as LCD displays, servo controllers and the like.

This cable connects to a standard 9 pin RS232 PC COM port or a USB to serial converter. At the other end of the cable is the standard IASI 5 pin socket. Also provided is a connector for power.

## 2. Circuit



**Figure 1 Circuit Diagram**

Inside the 9 pin cable shell connections are made from pins 1,6 and 4 (CD,DSR and DTR) and also pins 7 and 8 (RTS,CTS). This ensures that the cable will still work if hardware handshaking is switched on.

The connectors at the other end are standard pin shells, note that there is no connection to pin 1 of the five way connector, this is the microprocessor UART connection point.

Also a 3 way shell has been used for the power supply to prevent reverse polarity if the socket is connected the wrong way round. The primary intension for this socket is to connect to the BV1102 power regulator.

## 3. Specification

- Cable Length 1.5m (approximately)
- RS232 9 pin female