PROTO3 MINI
Expansion Board

shimmer™
DISCOVERY IN MOTION

Image shows PROTO3 Mini Expansion Board

KEY FEATURES

- Four channels of analog or two channels of digital input allow users to attach external devices via through-hole connections
- Power supplied to external devices via 3V connection which can be enabled/disabled via FW
- EEPROM storage device enables expansion board detection and identification, as well as 2032 bytes of data storage available to user
- PROTO3 Mini connects to the Shimmer3 via internal expansion connectors; fits within the standard Shimmer3 enclosure.

INTRODUCTION

The Shimmer PROTO3 Mini board is part of the Shimmer PROTO3 series which consists of a series of expansion boards for the Shimmer3 platform.

Compatible Accessories

- I2C Interface, SPI Interface or 3.5mm jack connector

PRODUCT OVERVIEW

The PROTO3 Mini Expansion Board provides connections for interfacing with external devices. The expansion board connects to the Shimmer3 via internal expansion connectors. The PROTO3 series of expansion boards can be used to interface the Shimmer3 with an Analogue Output Sensor, a Digital Output Sensor, a Serial UART or a Parallel Bus Interface.

PROTO3 boards allow easy prototyping of 3rd party sensors or custom sensing solutions with Shimmer.

PROTO3 MINI SPECIFICATIONS	
Current Consumption:	Dependent on connected peripheral
Input Protection:	None
Connections:	PROTO3 Deluxe: Two 3.5mm 4-position jacks:
	PROTO3 Mini: Through-hole connections:
Measurement Range:	0-3V
Frequency Range:	Dependent on connected peripheral