

# **ADAPTER BOX**

SG-244B

PRODUCT MANUAL

**DOC-273**

**Rev. 1.2**

Copyright ©2013  
All Rights Reserved

Med Associates Inc.  
P.O. Box 319  
St. Albans, Vermont 05478

Phone: 802.527.2343  
Fax: 802.527.5095  
[www.med-associates.com](http://www.med-associates.com)

**Table of Contents**

**Chapter 1 | Introduction.....1**

**Chapter 2 | DIG-276TTL-G to SG-244B Pinouts .....2**

**Appendix A | SG-244B Pinouts .....3**

**Appendix B | Contact Information.....3**

## CHAPTER 1 | INTRODUCTION

The SG-244B Adapter Box is used to provide a 25 pin TTL connection from the MED Associates' DIG-726TTL-G SuperPort™ 16 (TTL) Output Module card to the 34 pin (2x17) TTL I/O Port (x) connection on the Neuralynx Digital Lynx SX card.

The DIG-726TTL-G Output Module card is connected to the SG-244B via a DB25M to DB25F connection cable (MED Associates Part # SG-210TTL-20).

The Neuralynx Digital Lynx SX TTL I/O port is connected to the SG-244B via a 34 Conductor Ribbon Cable (MED Associates Part # SG-244B-C).

Both cables are available from MED Associates.

*Figure 1.1 – SG-244B Connector Specifications & Mating Cables*



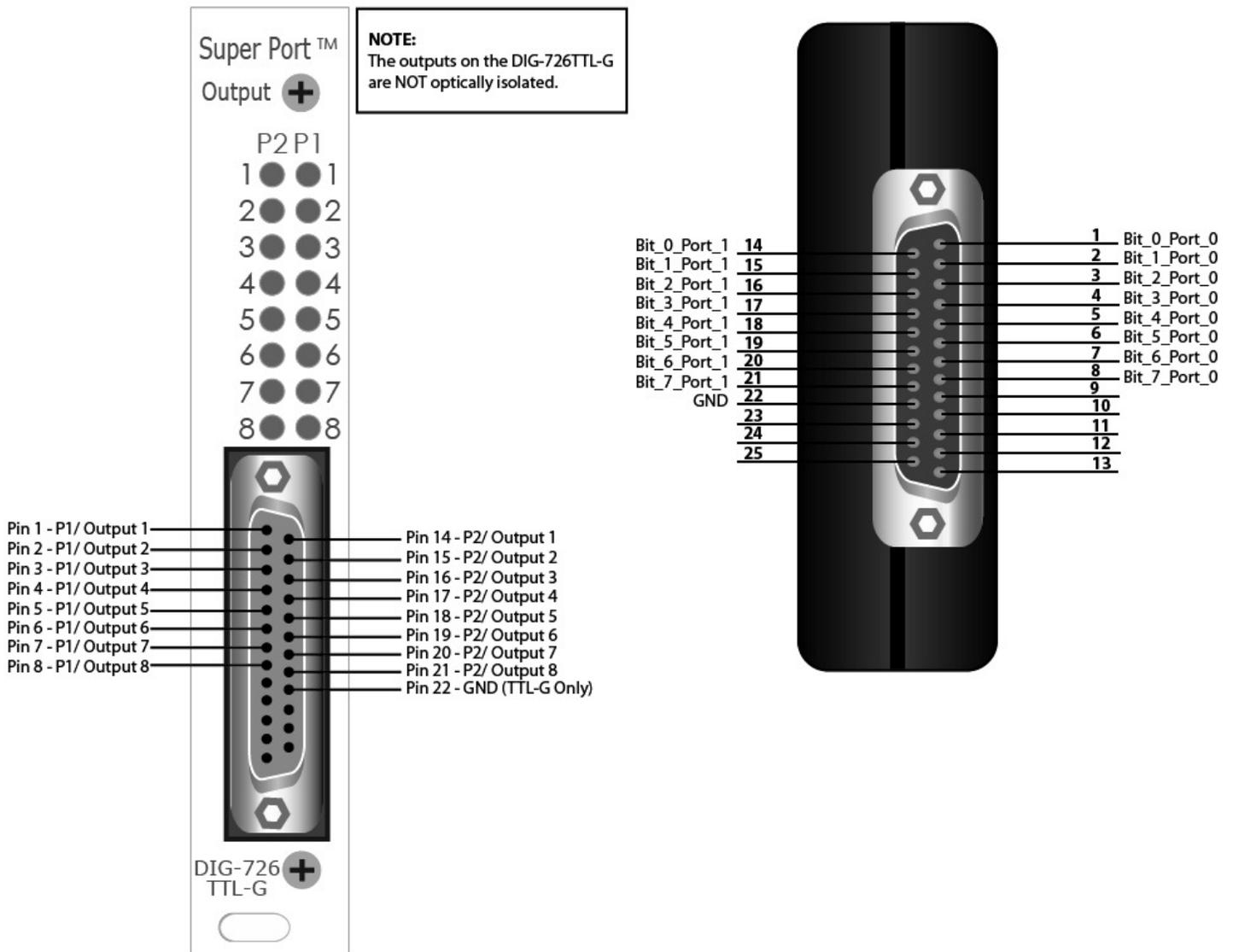
## CHAPTER 2 | DIG-276TTL-G TO SG-244B PINOUTS

The illustrations below show the relationship between the DIG-726TTL-G card output pins, and their designators, and the corresponding pins on the SG-244B Adaptor Box with the Neuralynx TTL I/O Port designators as shown.

These illustrations should assist with the integration of the DIG-726TTL-G outputs under the MED PC control with the associated Digital Lynx SX card TTL inputs that have been allocated to each MED TTL output.

**Note:** The reference to Port\_0 and Port\_1 on the SG-244B Adaptor Box can equate to Port\_2 and Port\_3 respectively, if using the SG-244B with the TTL I/O Port 2 & 3 connector on the face of the Digital Lynx SX card.

Figure 2.1 – DIG-276TTL-G to SG-244B Pinouts

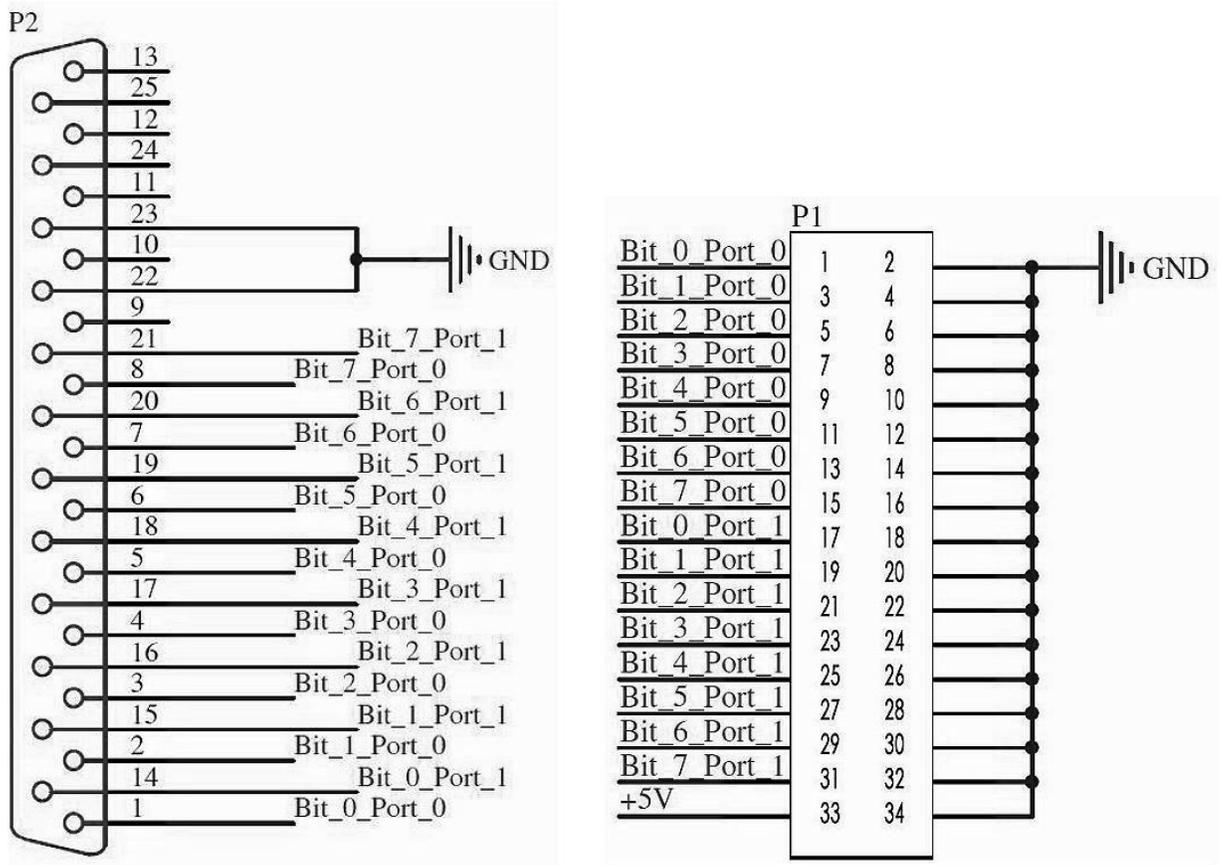


## Appendix A | SG-244B Pinouts

Figure A.1 shows the P2 DB25 pin designations from the DIG-726TTL-G on the left. NET Designators are the Digital Lynx SX TTL I/O Port designators. Port 1 runs down the left side of the connector (pins 14-25) and Port 0 runs down the right side of the connector (pins 1-13) with respect to orientation shown in Figure A.1.

The image on the right is the P1 pinouts for the 34 pin connector to the Digital Lynx SX-TTL I/O Port 0/1 or TTL I/O Port 2/3.

Figure A.1 – SG-244B DB25 (Left) and 34 Pin (Right) Pinouts



DB25M (CON- DB-25-MALE-RA)

34 Pin Connector (CON-2X17-.1-M-RA-PC)

## Appendix B | Contact Information

Please contact MED Associates, Inc. for information regarding any of our products.

Visit our website at [www.med-associates.com](http://www.med-associates.com) for contact information.

For technical questions, email [support@med-associates.com](mailto:support@med-associates.com).