IQS72xxxEV01 USER GUIDE

IQ Switch® - ProxFusion® Series



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1 Introduction

This user guide describes the operation of the IQS72xxxEV01 Evaluation Kit. The EV-Kit consists of 5 parts:

- IQS7211A Stamp + 5 x IC's
- IQS7222A Stamp + 5 x IC's
- IQS7222B Stamp + 5 x IC's
- IQS7222C Stamp + 5 x IC's
- Connector board

To visualise raw data from the EV-Kit, the stamp board can be interfaced to any personal computer with USB support, along with the CT210A, (CT210A sold separately) and the relevant IQS72xxx software Graphical User Interface (GUI) available to download from the Azoteq website. The purpose of the IQS72xxxEV01 EV-Kit is to help application and development engineers in evaluating the range of IC's included in this Kit and their capabilities. A picture of the evaluation kit is shown below.

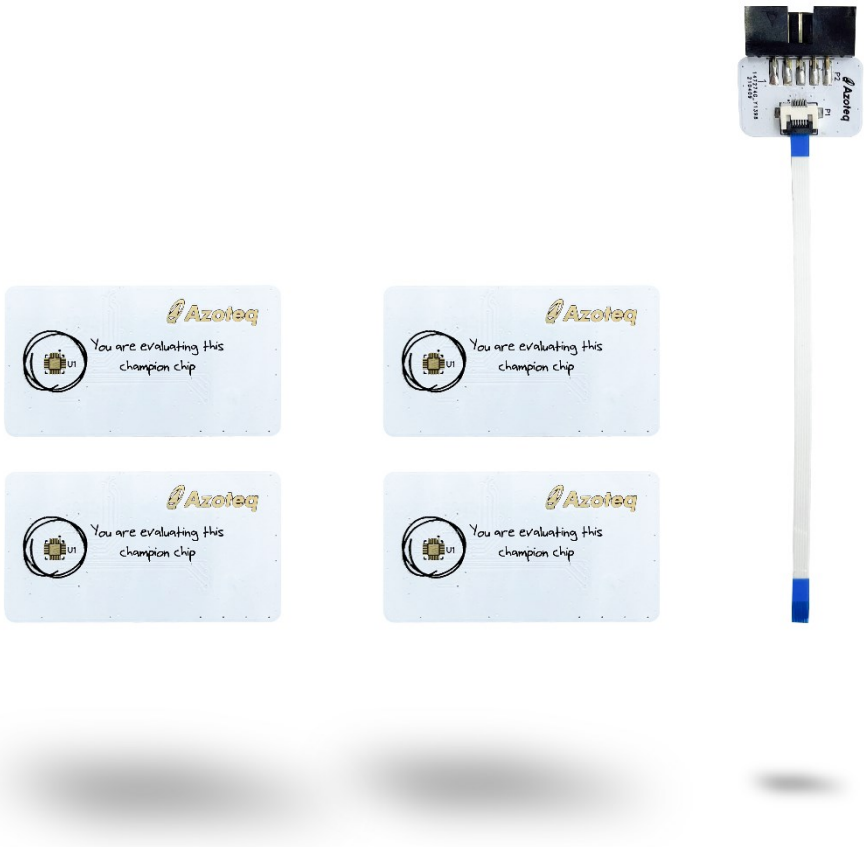


Figure 1-1: EV-Kit representation

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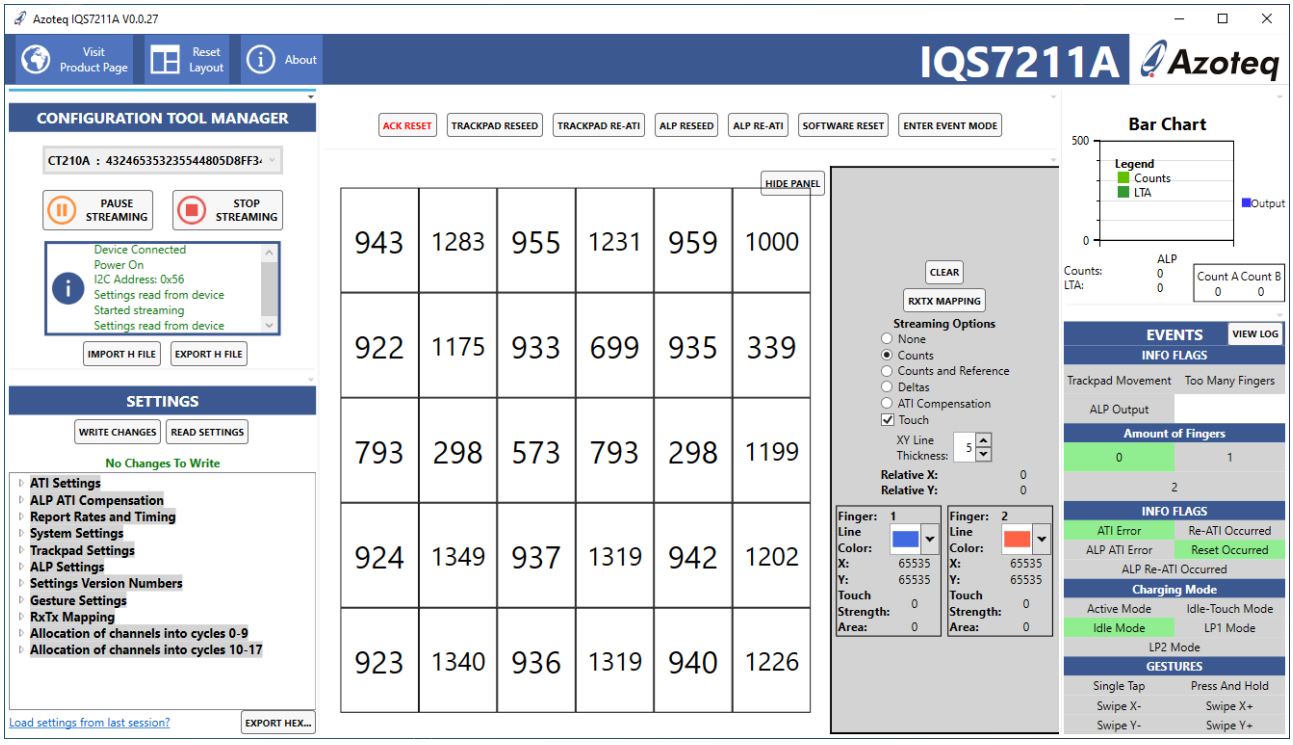
2 Setting up for the IQS72xxx Stamp

To interface the IQS72xxx Stamp to a PC we advise using the CT210A. The (CT210A is sold separately from this EV-Kit. This EV Kit can be setup with the following steps:

- Download & Install GUI from Azoteq website
- Connect the CT210A to the PC with a USB cable (use USB data cable only)
- Plug the ribbon cable into the CT210A
- Connect the connector board to the ribbon cable.
- Connect the 6-way cable into connector board on one end and on the stamp board at the other.
- Run the IQS72xxx GUI (latest version available from the www.azoteq.com website)

3 IQS7211A Stamp

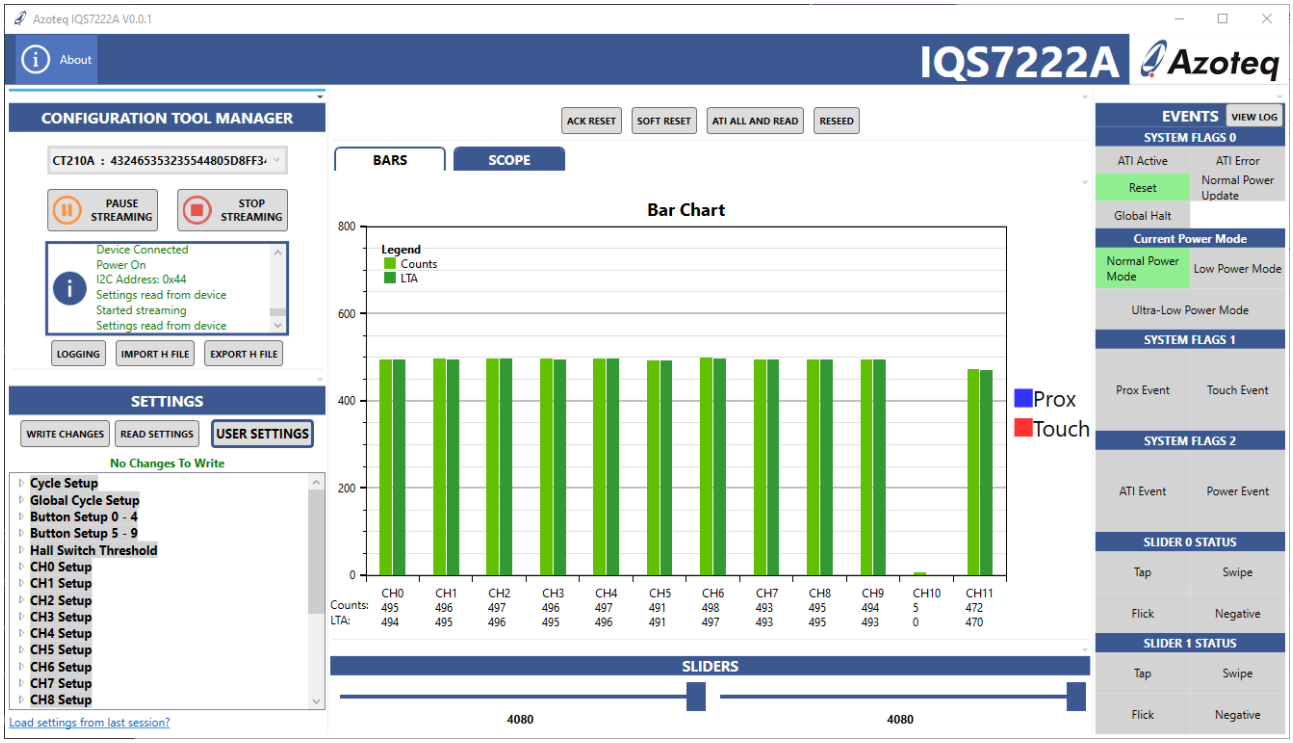
- Connect the CT210A to the connector board.
- Connect connector board to IQS7211A stamp.
- Run IQS7211A GUI (available from Azoteq.com website)
- Click “Start Streaming” button
- GUI should look as follow.



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4 IQS7222A Stamp

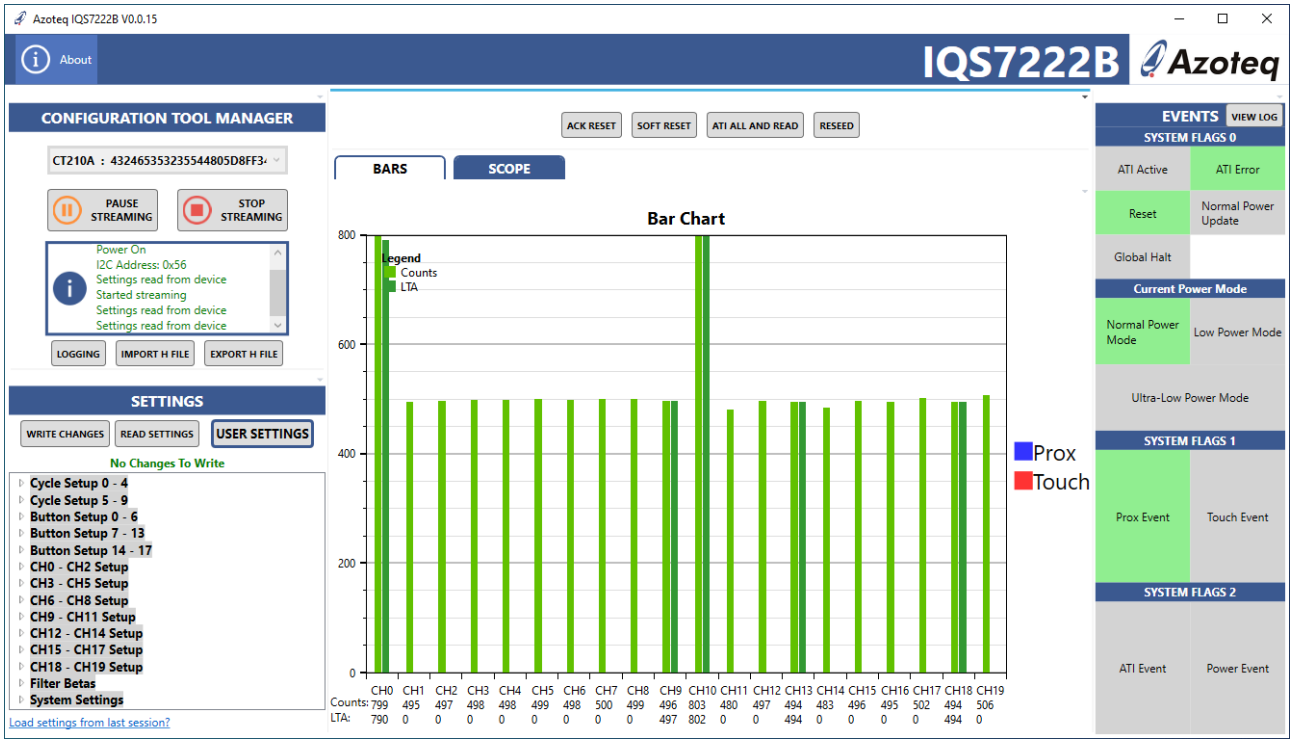
- Connect the CT210A to the connector board.
- Connect connector board to IQS7222A stamp.
- Run IQS7222A GUI (available from Azoteq.com website)
- Click “Start Streaming” button
- GUI should look as follow.



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5 IQS7222B Stamp

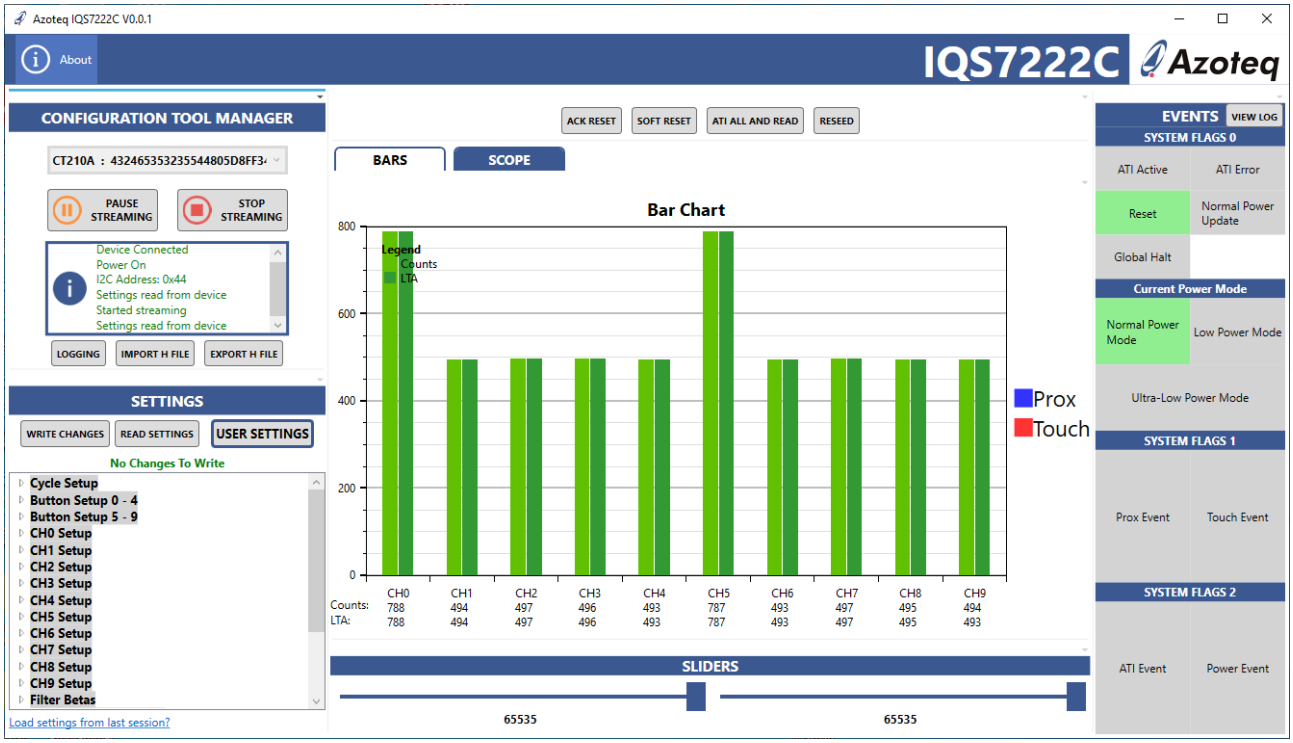
- Connect the CT210A to the connector board.
- Connect connector board to IQS7222B stamp.
- Run IQS7222B GUI (available from Azoteq.com website)
- Click “Start Streaming” button
- GUI should look as follow.



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6 IQS7222C Stamp

- Connect the CT210A to the connector board.
- Connect connector board to IQS7222C stamp.
- Run IQS7222C GUI (available from Azoteq.com website)
- Click “Start Streaming” button
- GUI should look as follow.



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7 Reference Designs

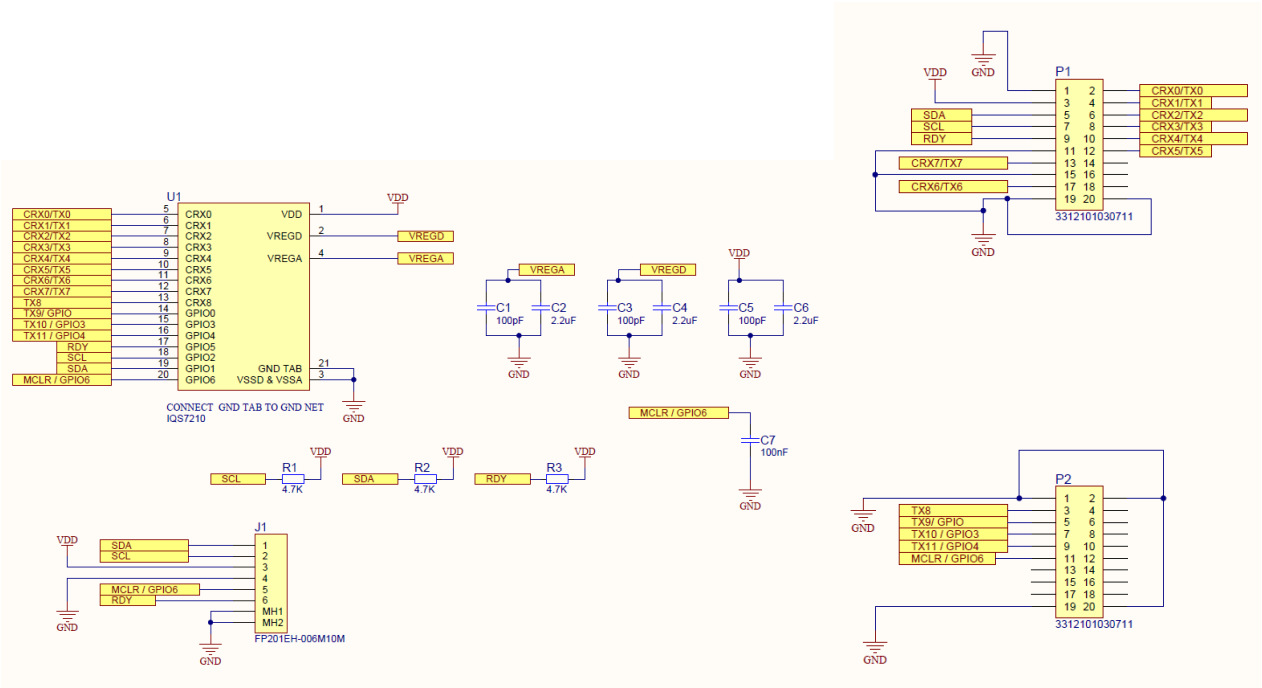


Figure 7-1 IQS72xxx QFN20 Stamp Layout

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Physical Address	11940 Jollyville Suite 120-S Austin TX 78750 USA	Room 501A, Block A, T-Share International Centre, Taoyuan Road, Nanshan District, Shenzhen, Guangdong, PRC	1 Bergsig Avenue Paarl 7646 South Africa
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