

DESCRIPTION

Demonstration circuit 1613A is a USB-based controller with generic Inter Integrated Circuit (I^2C) ports as well as SMBUS/PMBUS capabilities. It is designed to mate with Linear Technology's family of LTpowerPlay™ demonstration boards. The demo board is fully isolated from the host PC's ground. The evaluation software automatically

detects which demo board is connected and loads the appropriate control screen.

The LTpowerPlay system provides a quick and easy way to evaluate the performance of a wide variety of Linear Technology's products

LT, LT, LTC, LTM, Linear Technology and the Linear logo are registered trademarks and LTpowerPlay is a trademark of Linear Technology Corporation. All other trademarks are the property of their respective owners.

DEMONSTRATION CIRCUIT



QUICK START PROCEDURE

For proper equipment setup, follow the procedure below:

1. Do NOT plug in the DC1613A to the PC, before running the installation program.
2. Download the LTpowerPlay installation program from <http://www.linear.com/software/>.
3. Run the LTpowerPlay installation program and follow the on-screen instructions.

The LTpowerPlay demo software requires a PC that is running Windows XP (or later), and has an available USB port.

4. Connect the demonstration circuit to be evaluated to the DC1613A using the supplied 12-conductor ribbon cable. The demo software detects the circuit and starts the appropriate control screen.

Each demonstration board also comes with a Quick Start guide similar to this one. For usage details relevant to a particular circuit refer to its Quick Start guide.

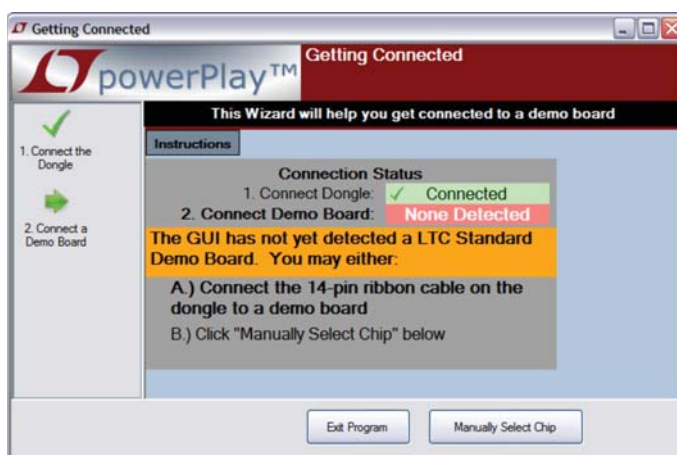
SOFTWARE TOOLS

The LTpowerPlay demo software includes tools for automatic software updates and for quickly retrieving relevant documentation from the World Wide Web.

NOTE: Adobe Acrobat Reader is required to view the documents and is available at <http://www.adobe.com>.

To use the tools:

- Quit the demonstration circuit software or disconnect the USB cable so that the main control panel appears:



To update the software (requires internet connection):

- Choose Update from the Tools menu.

This automatically updates the main program and drivers for individual demo circuits.

TROUBLESHOOTING GUIDE

Problem: DC1613A is plugged in, but LTpowerPlay screen still says “USB Serial Controller Not Connected.”

Solution: The most likely cause is improper installation of the USB drivers, which causes Windows to recognize the DC1613A as an “Unknown Device.” Open the Windows Control Panel, open “System” and click the “Device manager” tab. Open the “Other Devices” item and look for USB SERIAL CONTROLLER. Select this item and click the remove button. Unplug the DC1613A, reinstall the LTpowerPlay software and follow the on-screen instructions.

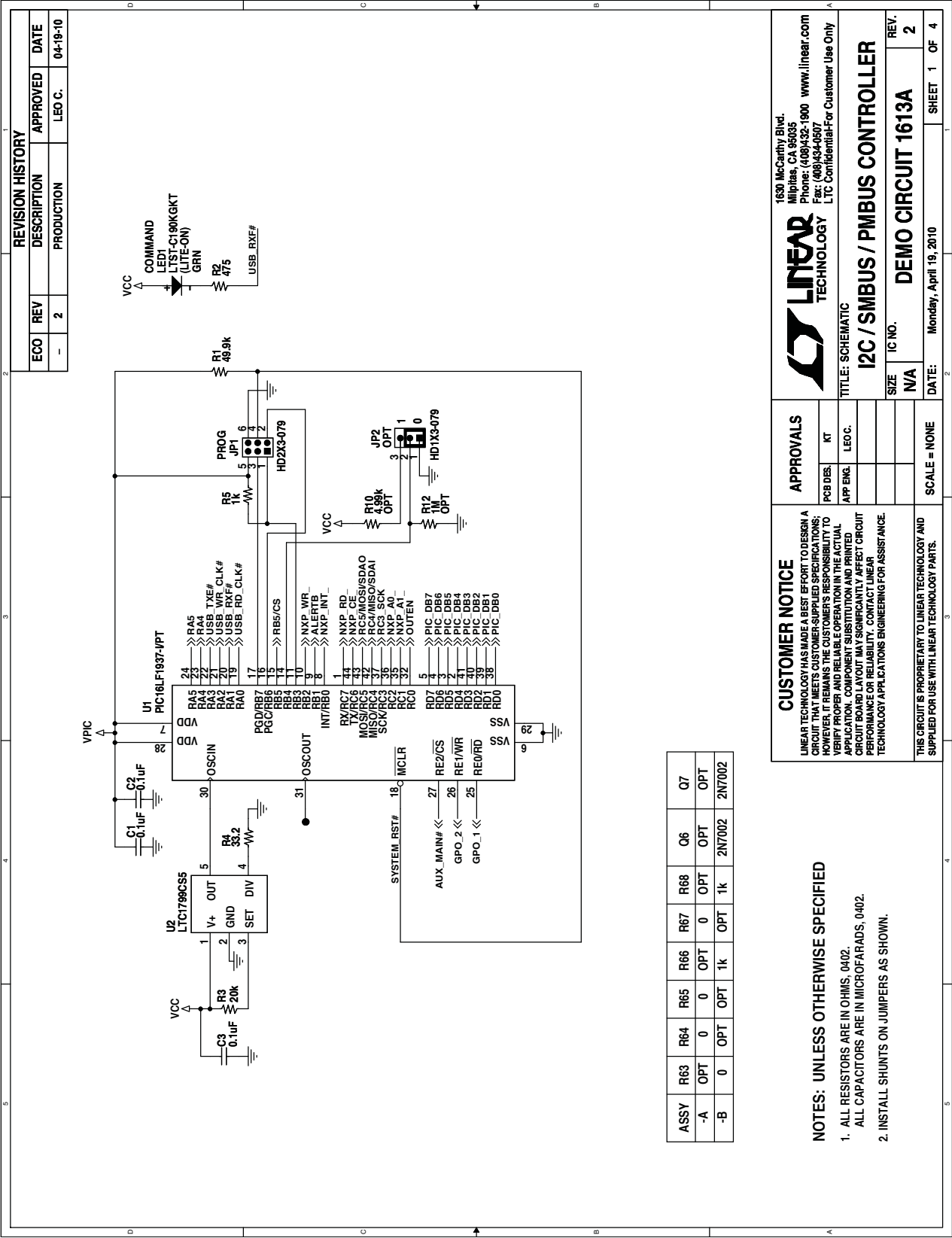
Problem: Demo board software loads properly, but will not run or gives “Device Not accessible” errors.

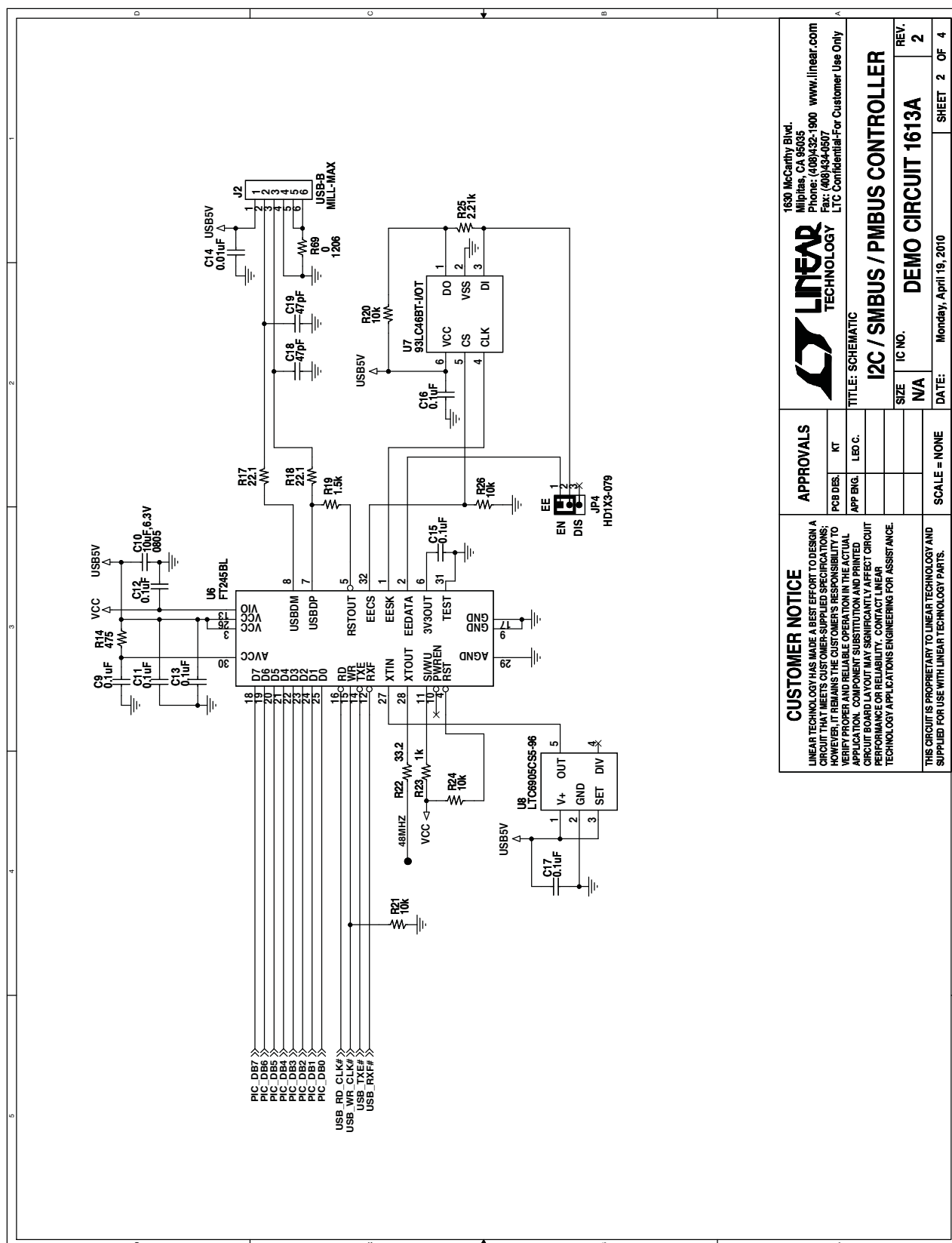
Solution: Verify that the demo board is properly powered up. This Quick Start guide lists the basic power connections to DC1613A. Some demo boards may have additional requirements; refer to the demo board’s Quick Start guide for details.

Problem: After connecting the demo board to DC1613A with the supplied 12-pin ribbon cable, LTpowerPlay software still displays “Evaluation Board is not Connected.”

Solution: Contact Linear Technology Applications Engineering.

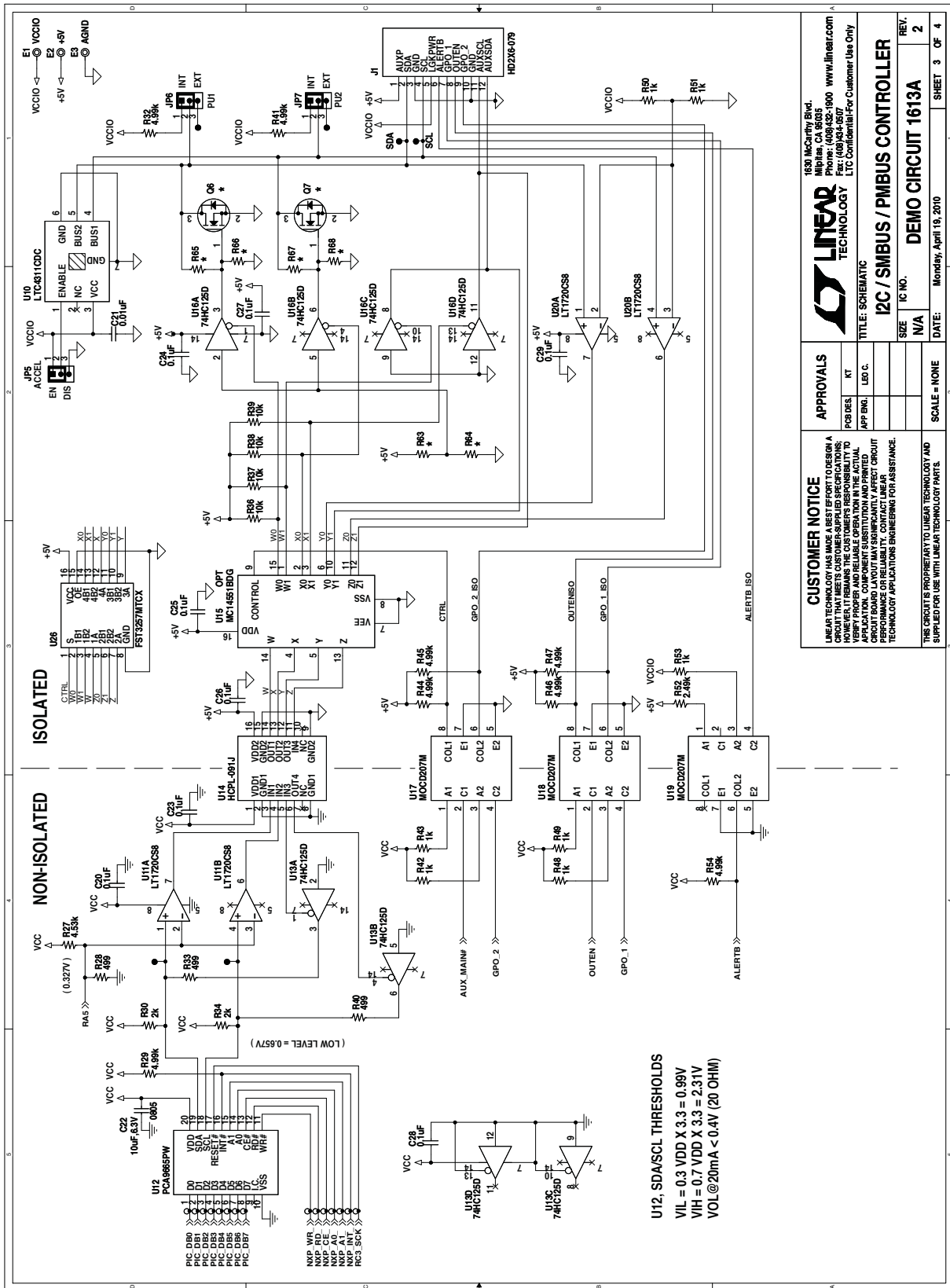
SCHEMATIC DIAGRAM





DEMO MANUAL DC1613A

SCHEMATIC DIAGRAM



dc1613af



DEMO MANUAL DC1613A

DEMONSTRATION BOARD IMPORTANT NOTICE

Linear Technology Corporation (LTC) provides the enclosed product(s) under the following **AS IS** conditions:

This demonstration board (DEMO BOARD) kit being sold or provided by Linear Technology is intended for use for **ENGINEERING DEVELOPMENT OR EVALUATION PURPOSES ONLY** and is not provided by LTC for commercial use. As such, the DEMO BOARD herein may not be complete in terms of required design-, marketing-, and/or manufacturing-related protective considerations, including but not limited to product safety measures typically found in finished commercial goods. As a prototype, this product does not fall within the scope of the European Union directive on electromagnetic compatibility and therefore may or may not meet the technical requirements of the directive, or other regulations.

If this evaluation kit does not meet the specifications recited in the DEMO BOARD manual the kit may be returned within 30 days from the date of delivery for a full refund. THE FOREGOING WARRANTY IS THE EXCLUSIVE WARRANTY MADE BY THE SELLER TO BUYER AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. EXCEPT TO THE EXTENT OF THIS INDEMNITY, NEITHER PARTY SHALL BE LIABLE TO THE OTHER FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

The user assumes all responsibility and liability for proper and safe handling of the goods. Further, the user releases LTC from all claims arising from the handling or use of the goods. Due to the open construction of the product, it is the user's responsibility to take any and all appropriate precautions with regard to electrostatic discharge. Also be aware that the products herein may not be regulatory compliant or agency certified (FCC, UL, CE, etc.).

No License is granted under any patent right or other intellectual property whatsoever. **LTC assumes no liability for applications assistance, customer product design, software performance, or infringement of patents or any other intellectual property rights of any kind.**

LTC currently services a variety of customers for products around the world, and therefore this transaction **is not exclusive**.

Please read the DEMO BOARD manual prior to handling the product. Persons handling this product must have electronics training and observe good laboratory practice standards. **Common sense is encouraged.**

This notice contains important safety information about temperatures and voltages. For further safety concerns, please contact a LTC application engineer.

Mailing Address:

Linear Technology
1630 McCarthy Blvd.
Milpitas, CA 95035

Copyright © 2004, Linear Technology Corporation

dc1613af

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru

www.lifeelectronics.ru