



## MAXQ1740 Evaluation Kit Evaluates: MAXQ1740

### General Description

The MAXQ1740 evaluation kit (EV kit) provides a proven platform for conveniently evaluating the capabilities of the MAXQ1740 magnetic card reader security microcontroller. The EV kit includes the MAXQ1740 EV kit board, which contains a triple-track magnetic stripe reader head assembly, a level-translated DB9 RS-232 interface to the serial port, an on-board USB-to-1-Wire® loader/debugger interface using the MAXQ622 microcontroller, six GPIO-controlled pushbuttons and LED indicators for application use, and headers providing access to all I/O pins on the MAXQ1740. With the included software and a USB cable connected to a Windows® PC, the EV kit provides a complete, functional system ideal for developing and debugging applications as well as evaluating the overall capabilities of the MAXQ1740 RISC microcontroller.

### EV Kit Contents

- ◆ MAXQ1740 EV Kit Board with Either Socketed MAXQ1740 (XU1) or Soldered MAXQ1740 (U1) Populated, Along with a 12MHz Crystal or Resonator Installed in the Appropriate Location (Y2 for Socketed, Y1 for Soldered)
- ◆ Standard A-to-Mini-B USB Interface Cable
- ◆ DB9 Straight-Through Male-to-Female Serial (RS-232) Interface Cable
- ◆ MAXQ1740 EV Kit CD (Contains Additional Documentation, Application Notes, Utilities and Configuration Files, and Example Programs Including Source Code)

### Features

- ◆ Easily Loads and Debugs Code Using On-Board USB-to-1-Wire Interface
- ◆ 1-Wire Interface Provides In-Application Debugging Features
  - ◇ Step-by-Step Execution Tracing
  - ◇ Up to Four Simultaneous Hardware Breakpoints by Code Address
  - ◇ Data Memory or Register Content View and Edit
- ◆ On-Board 3.3V Voltage Regulator (Powered by 5V Input or USB)
- ◆ Six User-Input Pushbutton Switches with Paired Indicator LEDs (Connected to GPIO)
- ◆ RS-232 Interface (DB9 Connector) for MAXQ1740 Serial Port
- ◆ SDI (Normally Open/Normally Closed) Manual Trigger

*[Ordering Information](#) appears at end of data sheet.*

**Note to readers:** This document is an abridged version of the full data sheet. To request the full data sheet, go to [www.maximintegrated.com/MAXQ1740-KIT](http://www.maximintegrated.com/MAXQ1740-KIT) and click on **Request Full Data Sheet**.

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**For pricing, delivery, and ordering information, please contact Maxim Direct at 1-888-629-4642, or visit Maxim Integrated's website at [www.maximintegrated.com](http://www.maximintegrated.com).**

19-5946; Rev 0; 6/11

# ABRIDGED DATA SHEET

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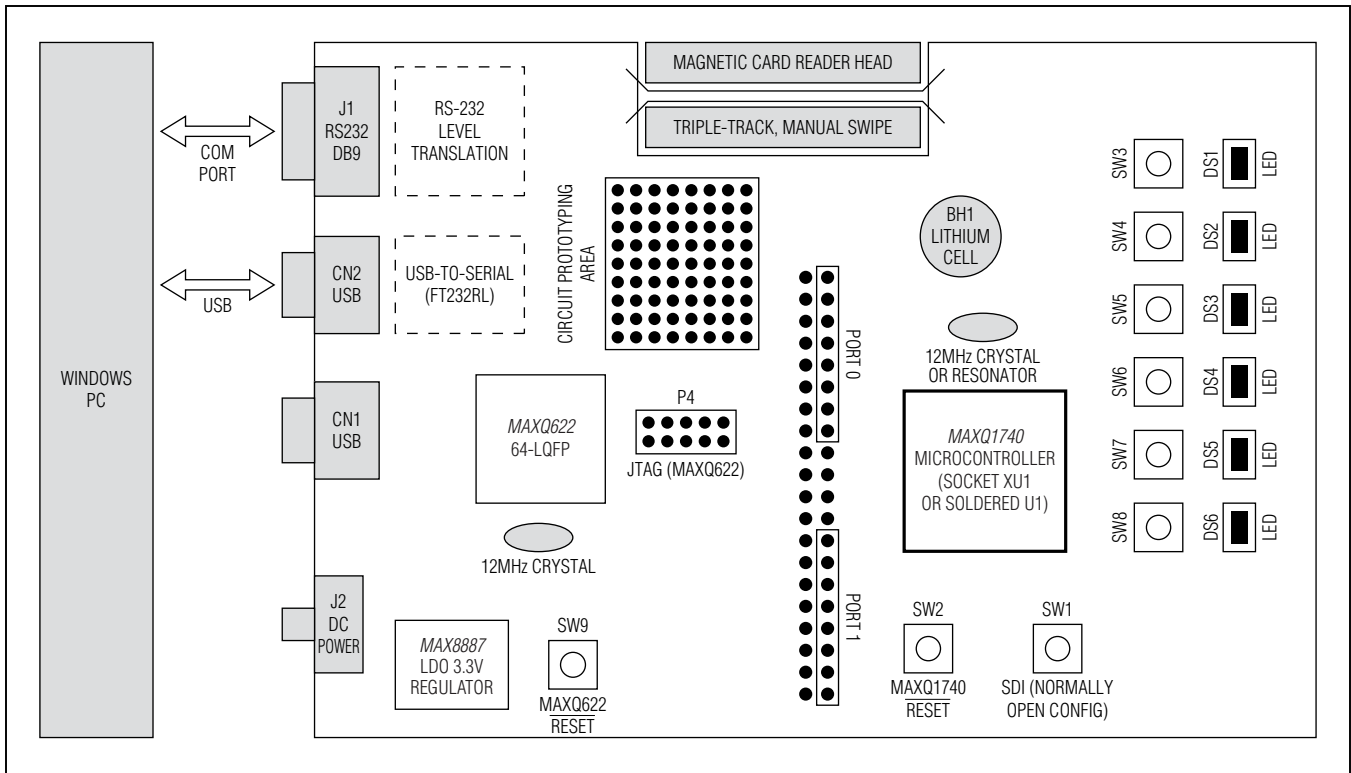


Figure 2. MAXQ1740 EV Kit Board Functional Layout

# ABRIDGED DATA SHEET

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### ***Ordering Information***

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MAXQ1740-KIT#	EV Kit

*#Denotes a RoHS-compliant device that may include lead(Pb) that is exempt under the RoHS requirements.*