



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





# *Z86L9900100ZCO Evaluation Board for Z86L99 IR Controllers*

## 1 Overview

Z86L99 is a new family of Infrared remote controllers. The Z86L99 has a 4-channel 8-bit ADC, 2 IR timers, 1 general purpose timer, a 100 mA controlled current output pin, 32-bit programmable I/O, 16 flexible Stop Mode Recovery (SMR) sources, two comparators, a digital power filter, built-in low battery detection, selectable clock input and more. The Z86L9900100ZCO is an evaluation board for the Z86L99 micro-controller family. It can be connected to the Z86L9900100ZEM for customers to debug code.

## 2 Features

- Supports 28-pin Z86L991 & 40-pin Z86L990 PDIP packages
- Full mouse function with Varatouch's Varapoint modules and switches
- Selectable Vcc for 5.3V, 3V and is powered from PC for PS2 connection
- ADC sensing (Z86L990 40-pin version)
- PS2 mouse communication (PS2 keyboard can also be developed)
- IR demodulator for learning IR and two way IR communication
- 100 mA high drive IR LED
- Configurable 11 rows & 12 column key matrix
- 132 keys for keyboard and universal remote control evaluation
- Two variable resistors for comparator connection
- Adjustable VRef+ & VRef- for ADC
- Breadboard area for user to add more components

## 3 Kit Contents

- Z86L99 evaluation board
- PS2 extension cable
- PS2 adapter
- Z86L9900100ZCO Product Specification
- Z86L9900100ZCO User Manual



This publication is subject to replacement by a later edition. To determine whether a later edition exists, or to request copies of publications, contact:

**ZiLOG Worldwide Headquarters**

910 E. Hamilton Avenue  
Campbell, CA 95008  
Telephone: 408.558.8500  
Fax: 408.558.8300  
[www.ZiLOG.com](http://www.ZiLOG.com)

ZiLOG is a registered trademark of ZiLOG Inc. in the United States and in other countries. All other products and/or service names mentioned herein may be trademarks of the companies with which they are associated.

**Document Disclaimer**

©2001 by ZiLOG, Inc. All rights reserved. Information in this publication concerning the devices, applications, or technology described is intended to suggest possible uses and may be superseded. ZILOG, INC. DOES NOT ASSUME LIABILITY FOR OR PROVIDE A REPRESENTATION OF ACCURACY OF THE INFORMATION, DEVICES, OR TECHNOLOGY DESCRIBED IN THIS DOCUMENT. ZILOG ALSO DOES NOT ASSUME LIABILITY FOR INTELLECTUAL PROPERTY INFRINGEMENT RELATED IN ANY MANNER TO USE OF INFORMATION, DEVICES, OR TECHNOLOGY DESCRIBED HEREIN OR OTHERWISE. Devices sold by ZiLOG, Inc. are covered by warranty and limitation of liability provisions appearing in the ZiLOG, Inc. Terms and Conditions of Sale. ZiLOG, Inc. makes no warranty of merchantability or fitness for any purpose. Except with the express written approval of ZiLOG, use of information, devices, or technology as critical components of life support systems is not authorized. No licenses are conveyed, implicitly or otherwise, by this document under any intellectual property rights.