



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



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