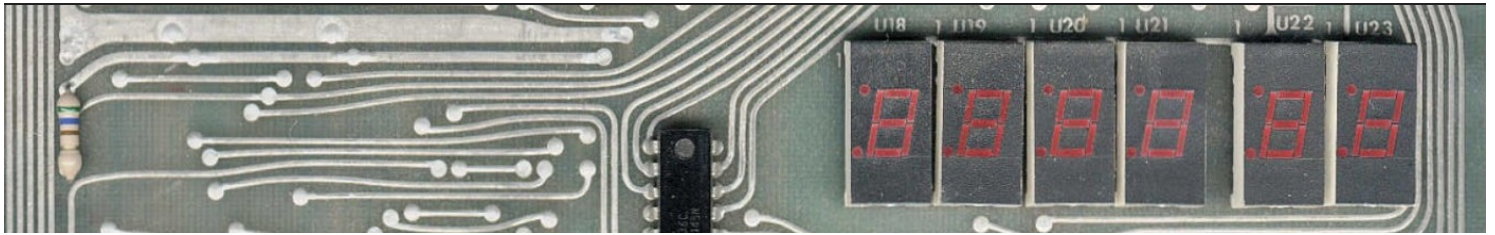


## Retro Computing

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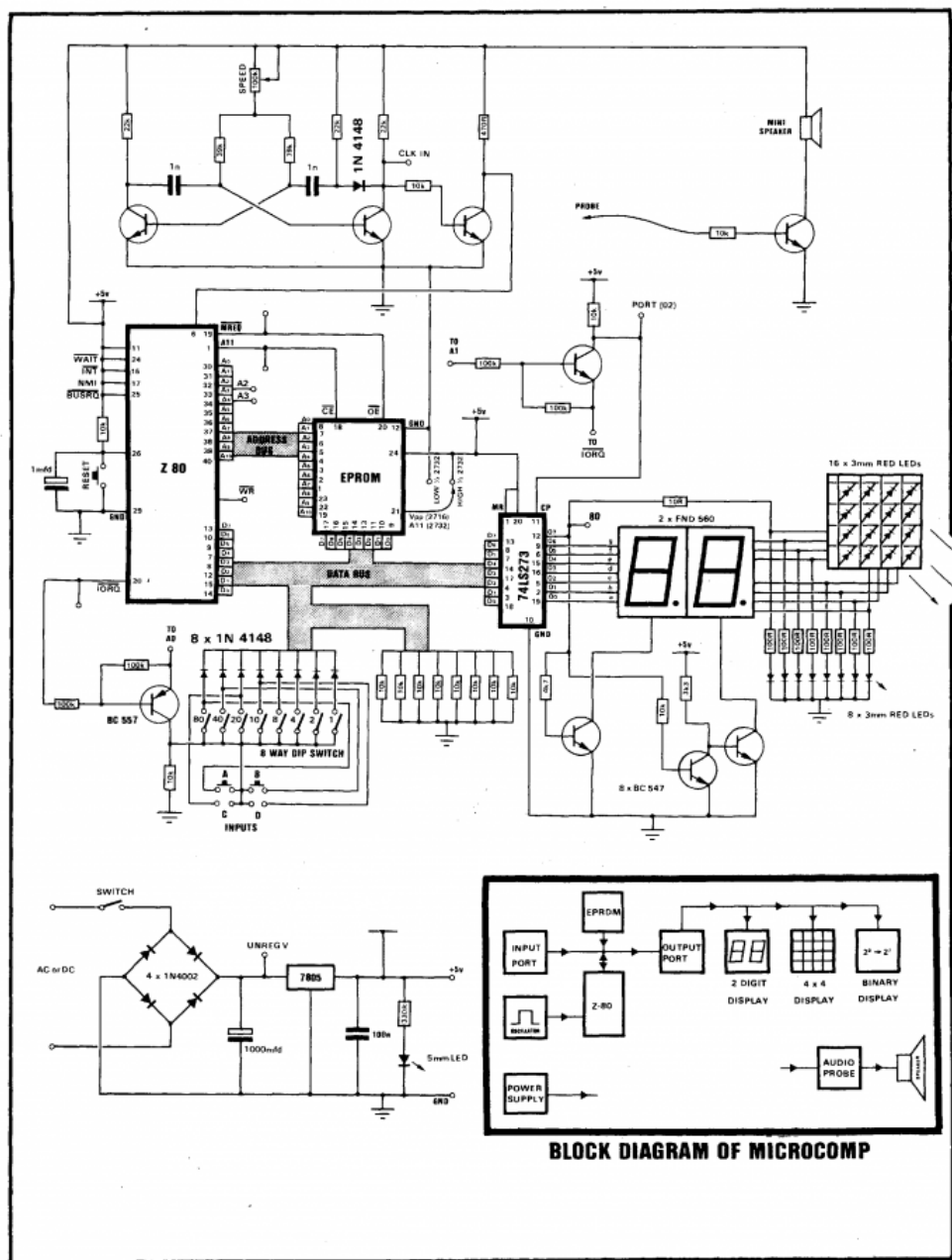
## TALKING ELECTRONICS MICROCOMP

A second Z80 system, with a minimum on parts: the Microcomp. Published in issue 13 and 14.

This is a 3-chip computer capable of input and displaying data on a display. Z80 CPU, 2732 EPROM, latch 74LS273, 2 seven segment displays, 24 LED's, DIP switch mini speaker. No RAM!

### ALL PAGES

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CPU board](#)[65XX IC's](#)[65XX Datasheets Manuals](#)[6530-6532](#)[6530 Commodore](#)[6530 KIM-1 clone](#)[Gottlieb sound board](#)[KIM-1 6530 Replacement](#)[6502 Microprocessor Kit](#)[Apple 1](#)[Beta](#)[Cepac-65](#)[Elektuur Junior](#)[Emma by L.J. Technical  
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TALKING ELECTRONICS No. 13 63

6530-004 TIM

## A Christmas Story About A Tiny TIM

### Jolt and Super Jolt

KIM 6502 UP Kenner

KIM-1 manuals and software

KIM clone

KIM-1 MicroKIM KIMclone  
videos

LAB-VOLT 6502

MCS Alpha 1

Micro-KIM

## My 6502 systems

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Radio Bulletin

SUPERKIM

SYM-1 6502 mini sbc

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### Three Chips Plus

TOuCHE

VAE T4 system

Lee Davison's website

## Enhanced 6502 BASIC

## Starting EhBASIC

Update EhBASIC

## EhBASIC requirements

## Advanced EhBASIC techniques

## EhBASIC Using USR()

## EhBASIC Useful routines

## EhBASIC Internals

# EhBASIC language reference

## How to use EhBASIC

Check the operation of the switch with a multimeter before inserting it onto the board and solder it in position when it is correct.

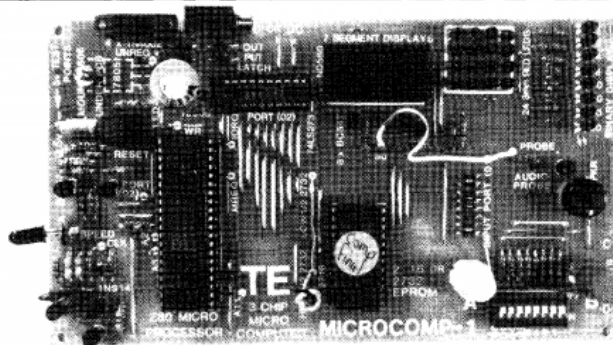
Fit 4 rubber feet to the underside of the board, insert the chips and you are ready for testing.

#### TESTING

Insert the power plug into the 3.5mm socket and switch the Microcomp ON. The power LED should come on. Make sure all the input switches are OFF. Push button B. The number 99 should appear on the displays. Press button A and the numbers will increment. Push button B and they will decrement. This is a fairly good indication that everything is working perfectly and you can go on to learning about programming.

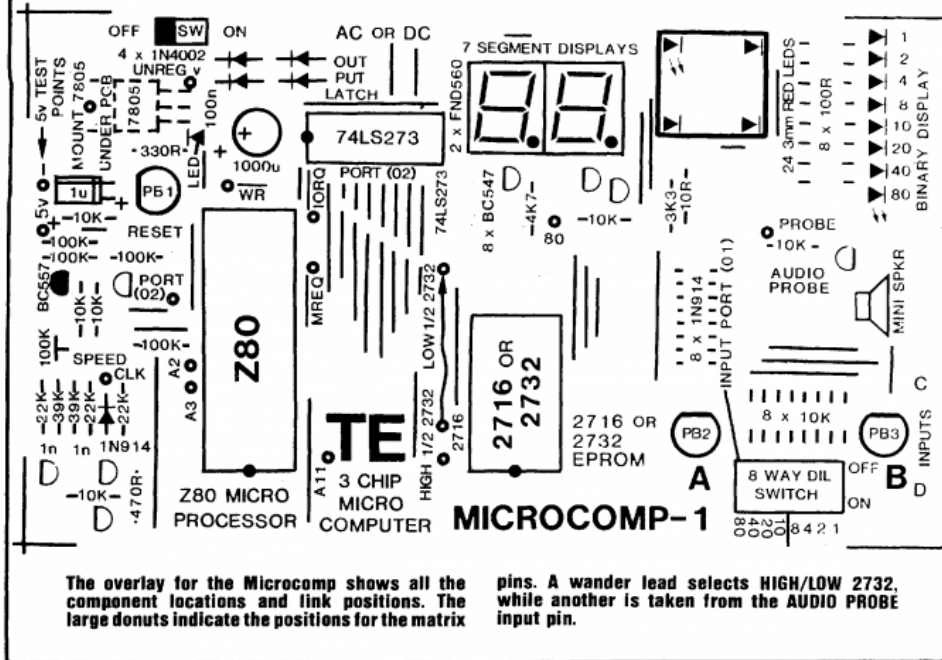
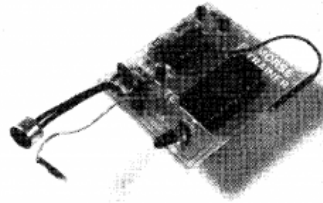
If you do not get 99 on the displays you may have a fault in the system. This will require you going through a trouble-shooting procedure as covered on P. 66.

Consider yourself lucky that the computer doesn't work. You will gain a lot by trouble-shooting it yourself and gain experience in finding the fault.



Note the LED used as a knob for the SPEED control. SGS transistors don't work very well in the clock circuit. They freeze at high speed. To prevent this, use 47k base resistors.

The MORSE TRAINER is our first add-on and will be presented as soon as the programs in the lower half of the 2732 have been covered.



TALKING ELECTRONICS No. 13 65

EhBasic Extending CALL

EhBASIC bug lbufs location

EhBASIC LOAD and SAVE notes

Some code bits

Some very short code bits

SIN and COS calculator

6502 ROM file system

Microchess

SYM-1 BASIC – more nostalgia

A 6502 single board computer

ACIA 6551

Nop generator

IDE bus interface circuit

An expandable 6502 SBC

AT keyboard interface

I2C Bus interface

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Memory Plus: memory for your KIM SYM AIM

Mitsubishi 740 boards

Enhanced 740 BASIC

EhBaSIC 740 Code examples

Enhanced 740 BASIC Language reference

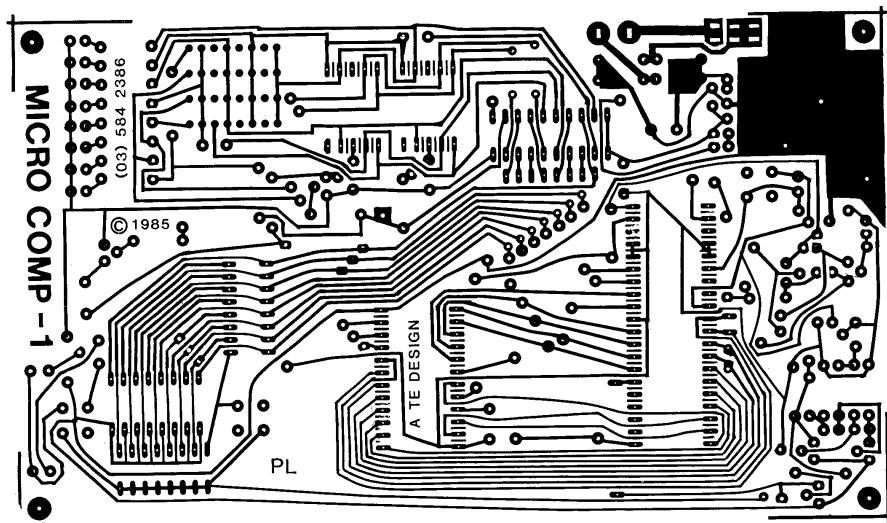
DOS65

DOS65 manuals, sources, listings

DOS65 articles in the KIM 6502 uP Kenner and CompUser

DOS65 hardware

Silicon hard disk Andrew Gregory



EP: EPROM programmer  
for DOS65

EPROM programmer  
Andrew Gregory

DOS65, floppy emulator  
HxC2001, transfer files

DOS65 floppy collection

DOS65 programming  
languages

AS + ED Macro assembler  
and Text Editor

DOS65 Pascal

DOS65 Basic

DOS65 Comal

DOS65 Forth

DOS65 Small C Compiler

DOS65 application: ASTRID  
and Viditel

DOS65 application: Logic  
analyzer

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Z80

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Talking Electronics TEC-1

TEC-1 and TEC1-A

TEC-1B

TEC-1D

TEC-1 addons

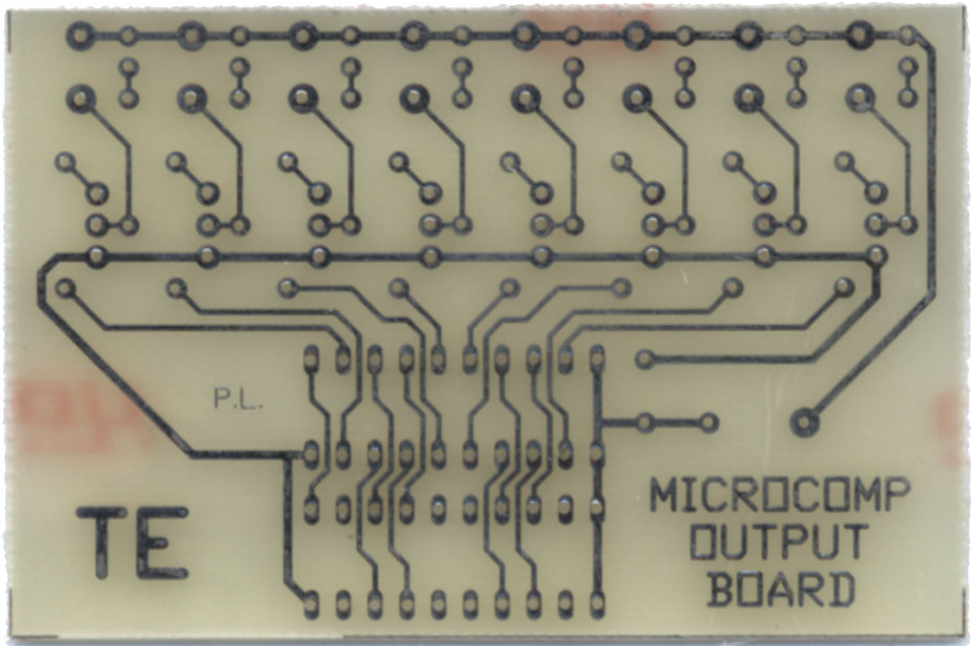
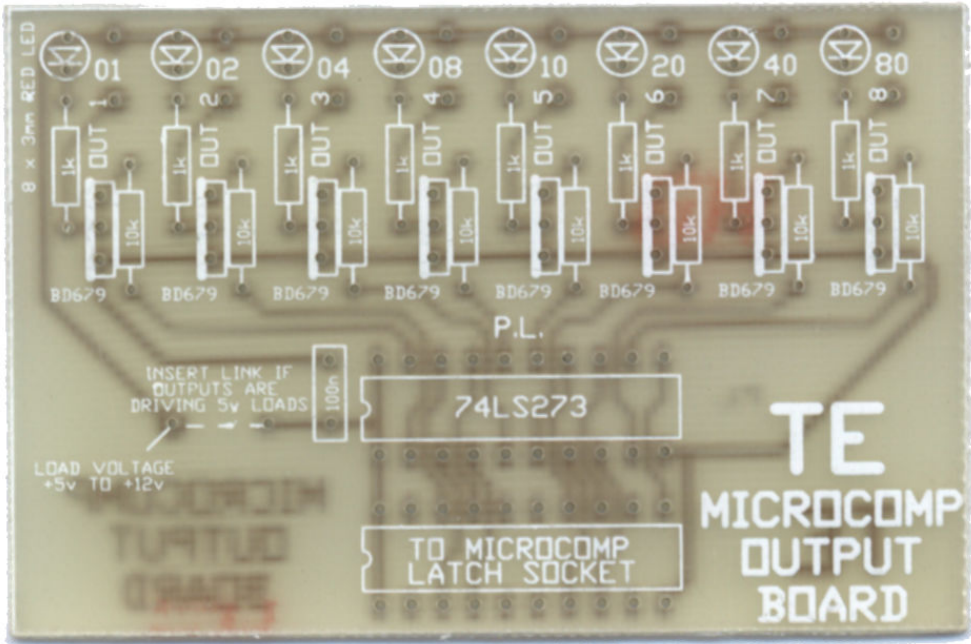
TEC-1 system ROMS

My TEC-1D

Talking Electronics  
Microcomp

Z80 development system

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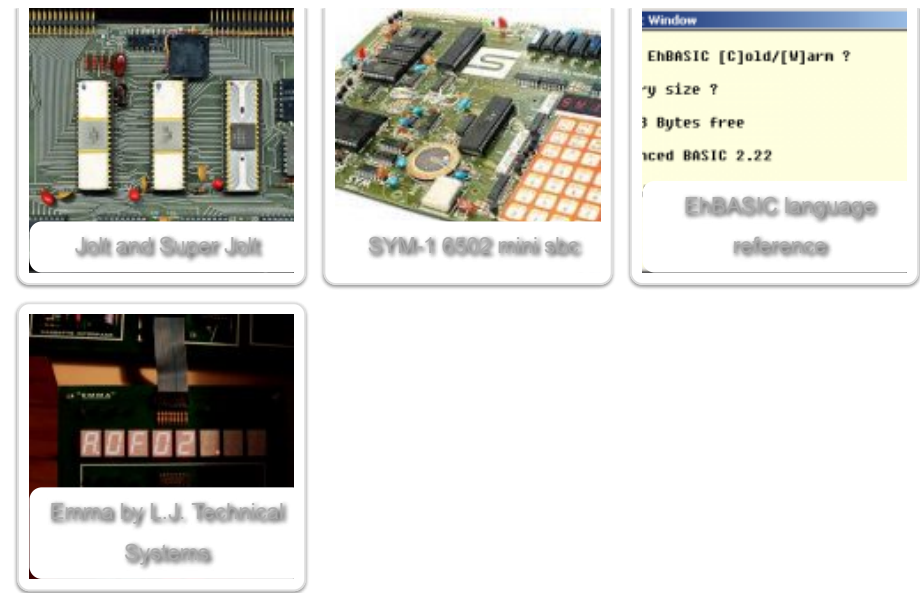
TE Microcomp master ROM binary  
TE Microcomp 1 ROM binary

All the pages of the Talking Electronics issue 13 and 14 in PDF format

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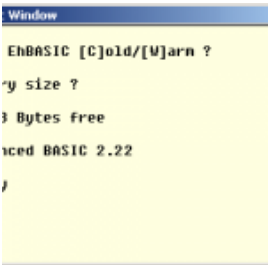
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