Adapter PLCC-32_B2
EzoFlash+ adapter for FWH/LPC memory in PLCC-32 package.

1.   Part list.

Q1..Q3 - BC547
D1, D3, D4 - 1N4148 or KD522
D2 - LED 3mm, red
ZD1 - Zener diode BZX55/C5V6
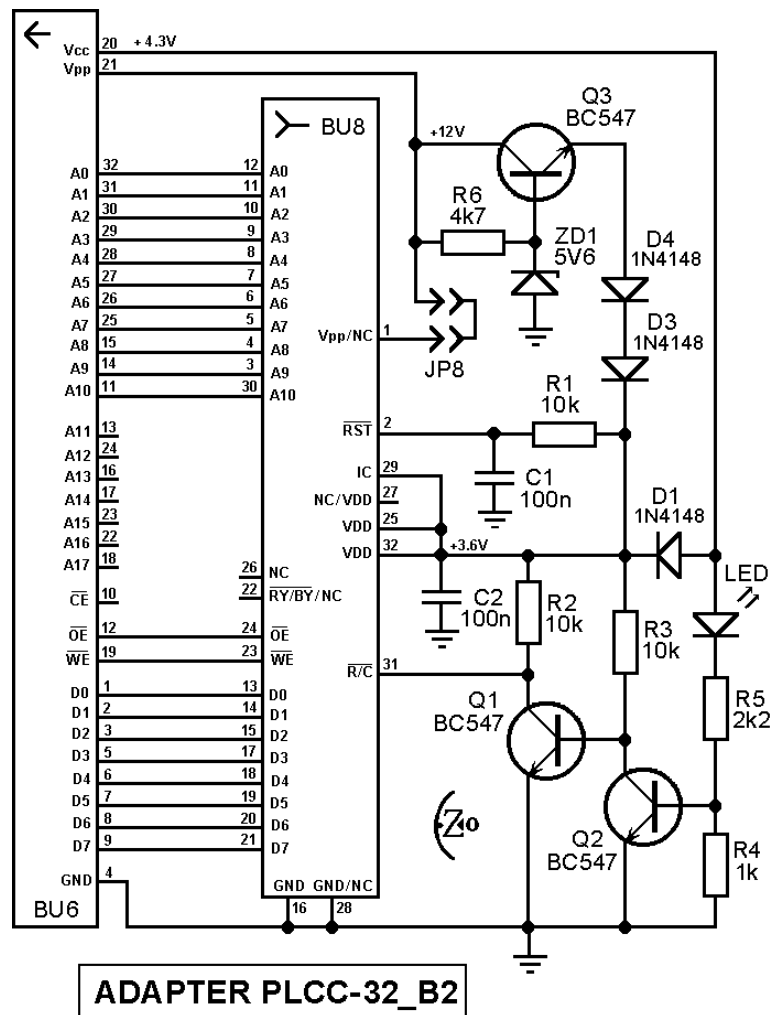R1..R3 - 10k
R4 - 1k
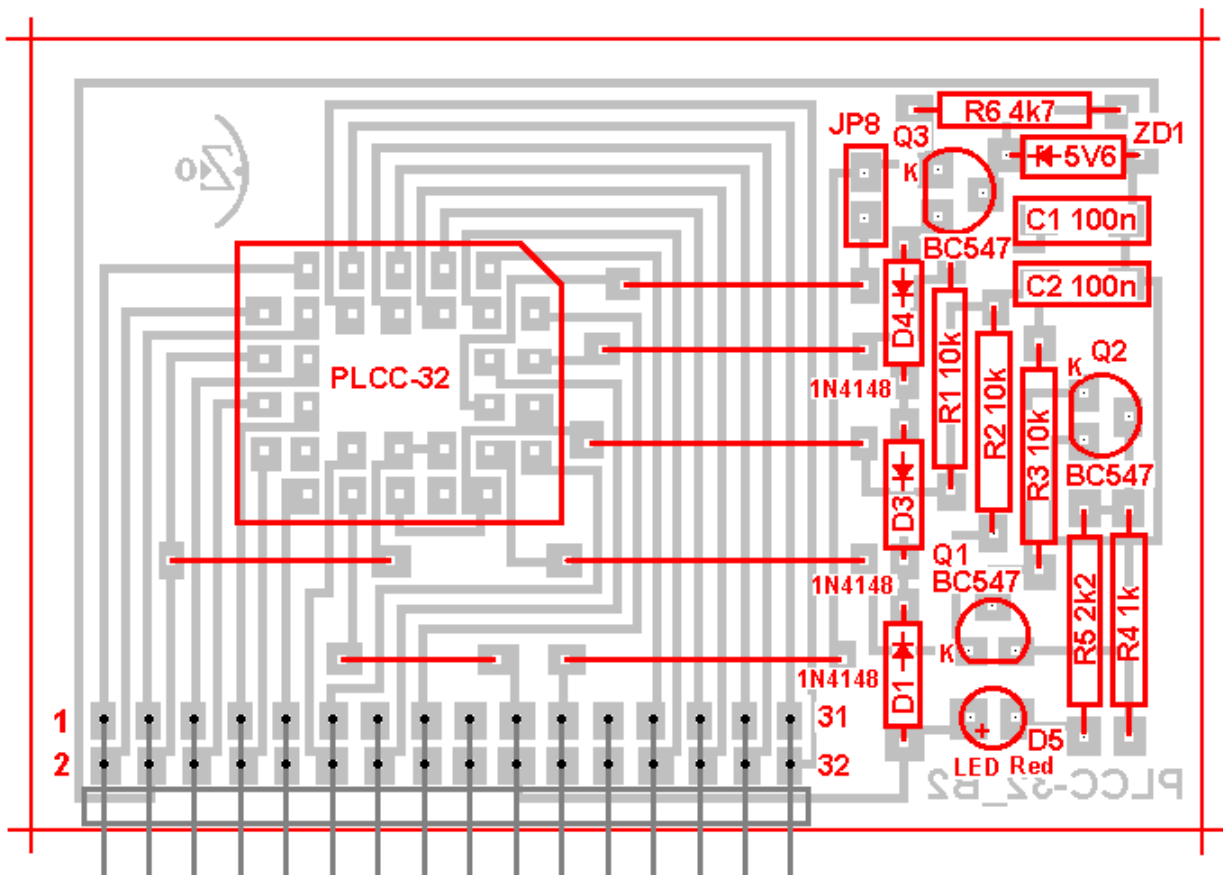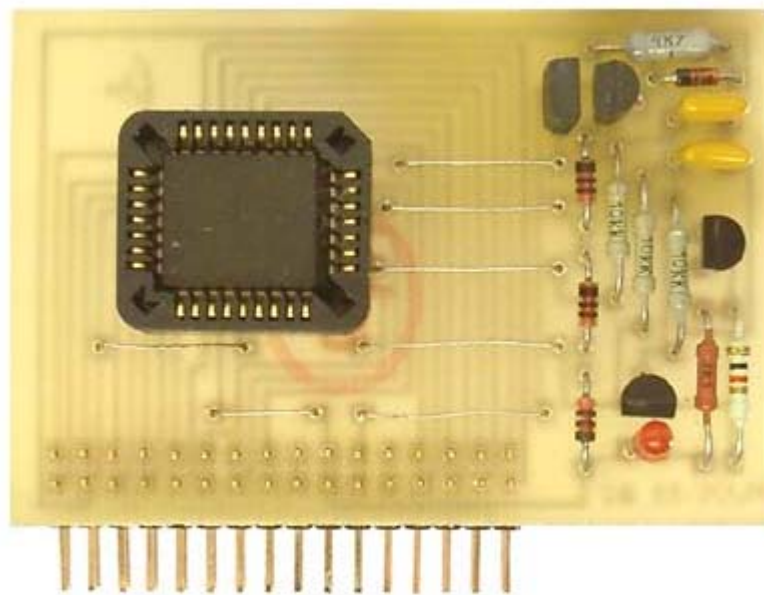R5 - 2k2
R6 - 4k7
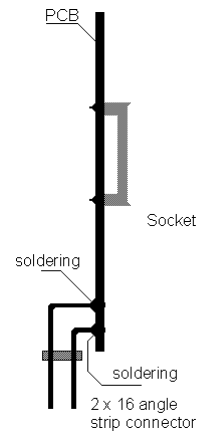C1, C2 - 100nF
BU6 - Angle dual pin-header 2 x16, division 2.54
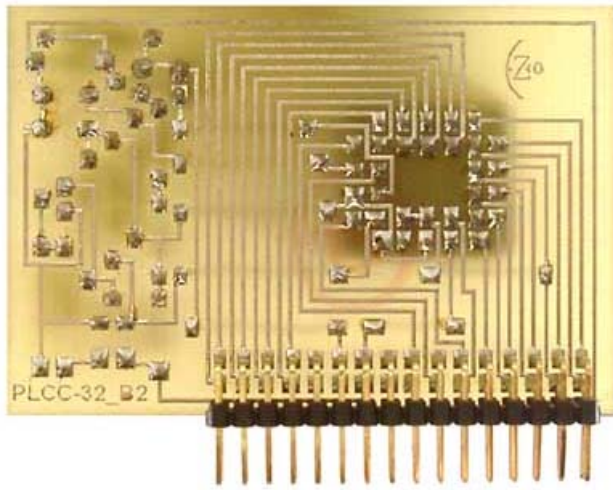BU8 - PLCC-32 socket
Jp8 - Straight pin-header, division 2.54, 1x3 / Jumper, division 2.54mm

2.   Schematic, PCB and pictures

ADAPTER PLCC-32_B2

JP8
Q3
R6 4k7
ZD1
K
5V6
BC547
C1 100n
C2 100n
PLCC-32
D4
1N4148
R1 10k
R2 10k
R3 10k
Q2
K
BC547
D3
Q1
1N4148
BC547
D5
1N4148
D1
LED Red
R5 2k2
R4 1k
K
PLCC-32_B2
1
2
31
32

PLCC-32_B2

PCB

Socket

soldering

soldering

2 x 16 angle
strip connector

3. Settings, supported chips list

Willem programmer software version 0.97ja or latest.
Verified chips on mentioned adapter are underlined. Details find in chip_test.xls file
Software may not support some chip, report problem in EZoFlash and Willem forums.

Selected device *Firmware HUB/LPC >...*

- Jumpers Jp2 , Jp3 (+4.3V), Jp4 (Vpp), Jp8 (Vpp)
LPC
Amic A50LPW40 **Atmel** AT49LL020, AT49LL040, AT49LL080 **ST Micro** M50LPW002,
M50LPW040, M50LPW041, M50LPW080 **Winbond** W39V080A, W39F080B
FWH
Amic A50FW040, A50FW040M **Atmel** AT49LW040, AT49LW080 **Intel** <u>N82802AB</u>, N82802AC **ST
Micro** M50FW002, <u>M50FW040</u>, M50FW080 **Winbond** W39V080FA
FWH/LPC
ST Micro M50FLW040A, M50FLW040B, M50FLW080A, M50FLW080B

- Jumpers Jp2 , Jp3 (+4.3V), Jp4 (Vpp)
LPC
Amic A49LF040T **Sharp** LHF00L07 **SST** SST49LF020, <u>SST49LF020A</u>, SST49LF030A, SST49LF040,
SST49LF040A, SST49LF040B, SST49LF080A, SST49LF016C **Winbond** W49V002, W49V002A,
W39V040A
FWH
Amic A49LF004T **Sharp** LHF00L03 **SST** <u>SST49LF002A</u>, SST49LF003A, <u>SST49LF004A</u>,
SST49LF008A **Winbond** W49V002FA, W39V040FA, W39V040FB
FWH/LPC
Atmel AT49LH002, AT49LH004 PMC PM49FL002, PM49FL004,PM49FL008 **SST** SST49LF002B,
SST49LF003B, SST49LF004B

4. Comments

- SW 0.97ja works considerably faster than previous software versions
- Find random programming errors try change R/C delay time or remove capacitor C2 (and C1).
- ST Micro chip (M50FW040) programm/verify fails on verify. Chip is programmed, start separately
  action Verify.