Adapter TSOP-40_C1
EzoFlash+ adapter for FWH/LPC memory in TSOP-40 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
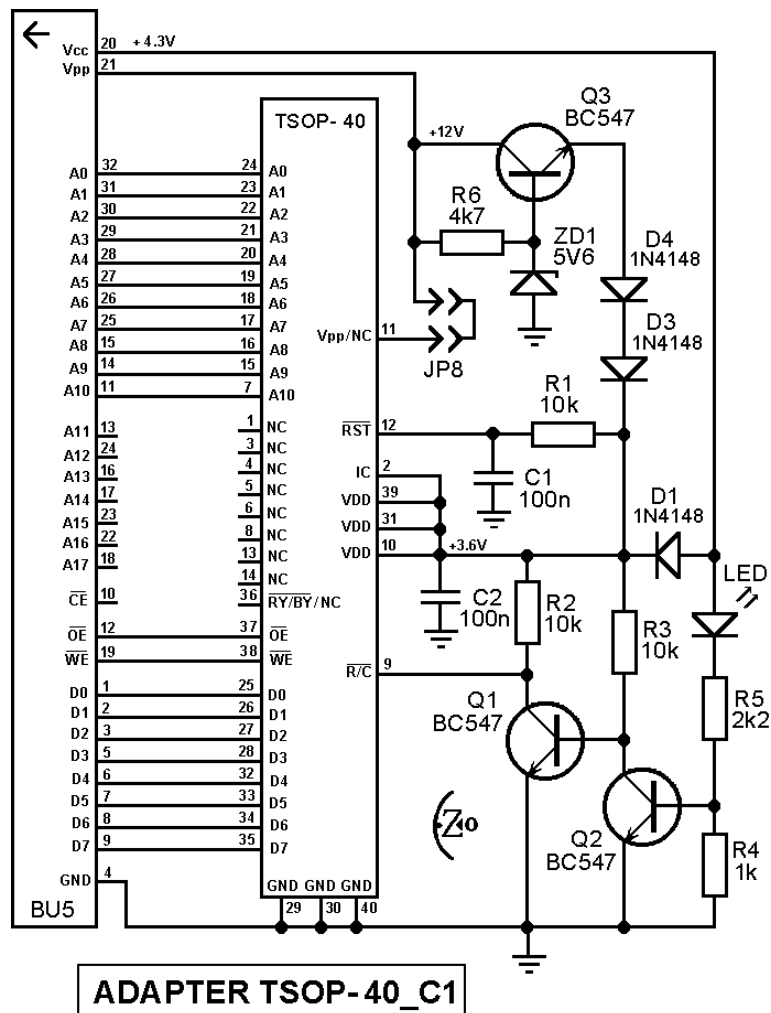BU5 - Straight pin-header 2 x16, division 2.54
Jp8 - Straight pin-header, division 2.54, 1x3 / Jumper, division 2.54mm
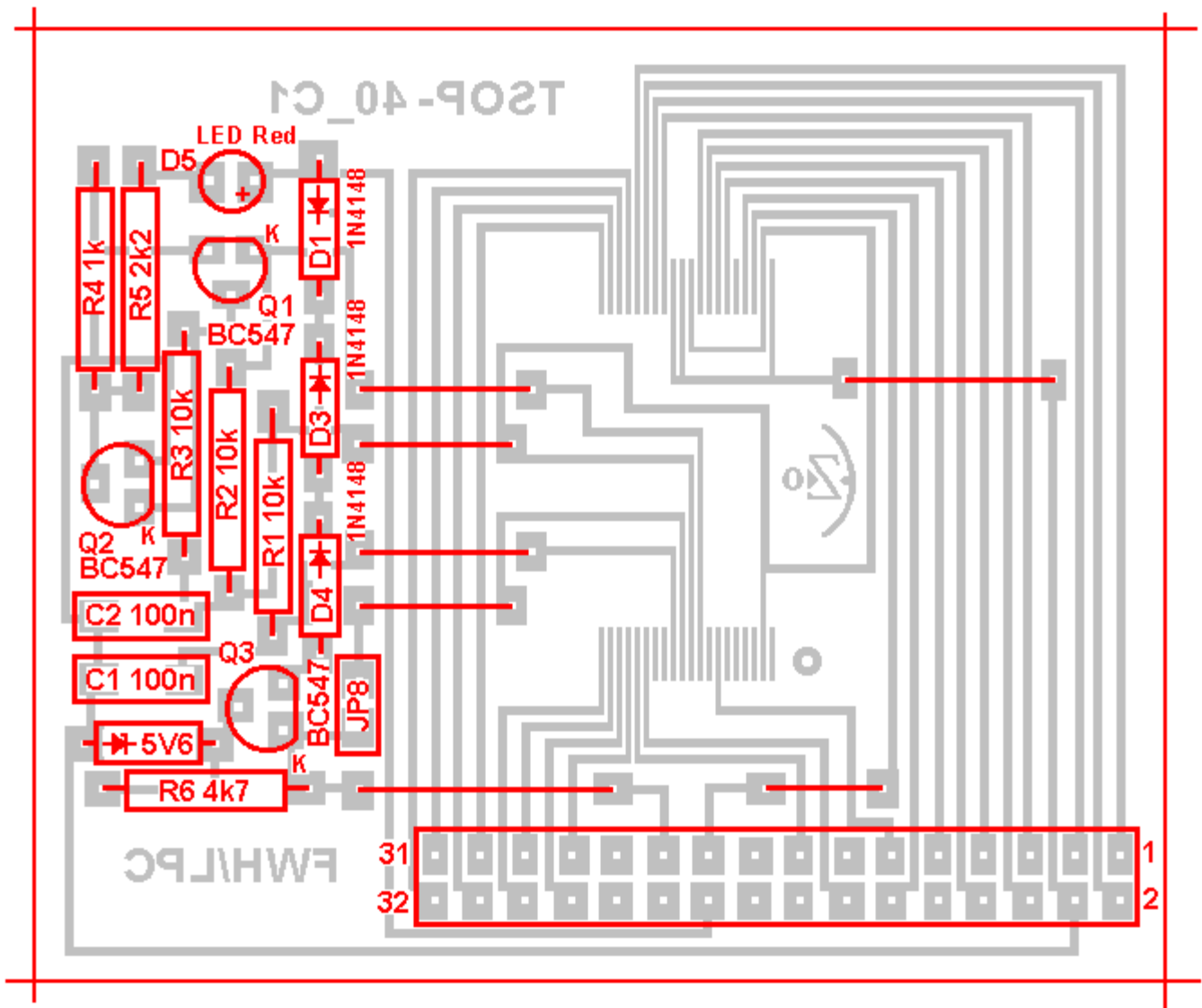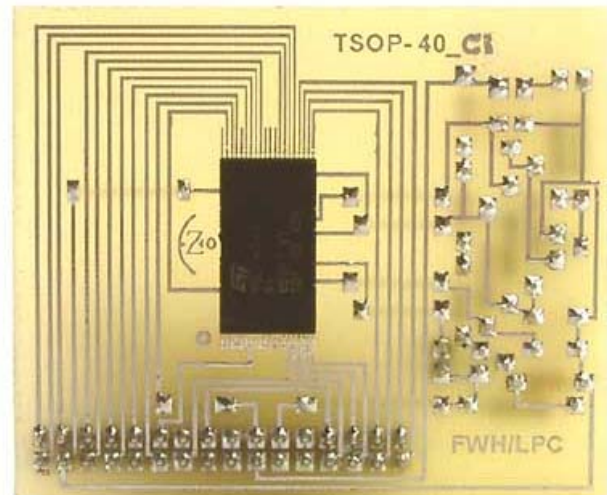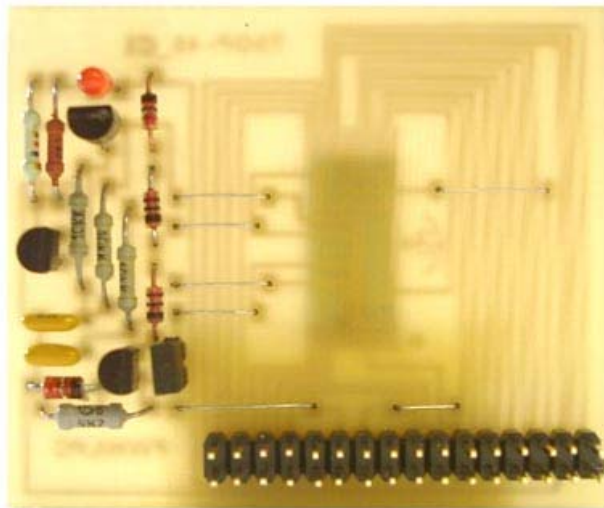
Optional:
Surface Mount 0.5mm TSOP-40 Socket Meritec 980020-40-01

Solder chip on adapter contactpads or apply socket.

2. Schematic, PCB and pictures

ADAPTER TSOP-40_C1

TSOP-40_C1

LED Red
D5

R4 1k
R5 2k2
D1 1N4148

K

Q1
BC547
1N4148

R3 10k
R2 10k
R1 10k
D3 1N4148

Q2
BC547
K

C2 100n
1N4148
D4

C1 100n
Q3

5V6
BC547
JP8
K

R6 4k7

31
32
1
2

FWH/LPC

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
 Atmel AT49LL020, AT49LL040, AT49LL080 **ST Micro** M50LPW040, M50LPW041, M50LPW080, M50LPW116 **Winbond** W39V080A
FWH
Atmel AT49LW040, AT49LW080 **Intel** E82802AB, E82802AC **ST Micro** <u>M50FW040</u>, M50FW080, M50FW016 **Winbond** W39V080FA
FWH/LPC
ST Micro M50FLW040A, M50FLW040B, M50FLW080A, M50FLW080B

-    Jumpers Jp2 , Jp3 (+4.3V), Jp4 (Vpp)
LPC
Sharp LHF00L06 **SST** SST49LF040B, SST49LF016C
FWH
Sharp LHF00L04 **SST** SST49LF008A **Winbond** W39V040FA
FWH/LPC
Atmel AT49LH002, AT49LH004 **SST** 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.