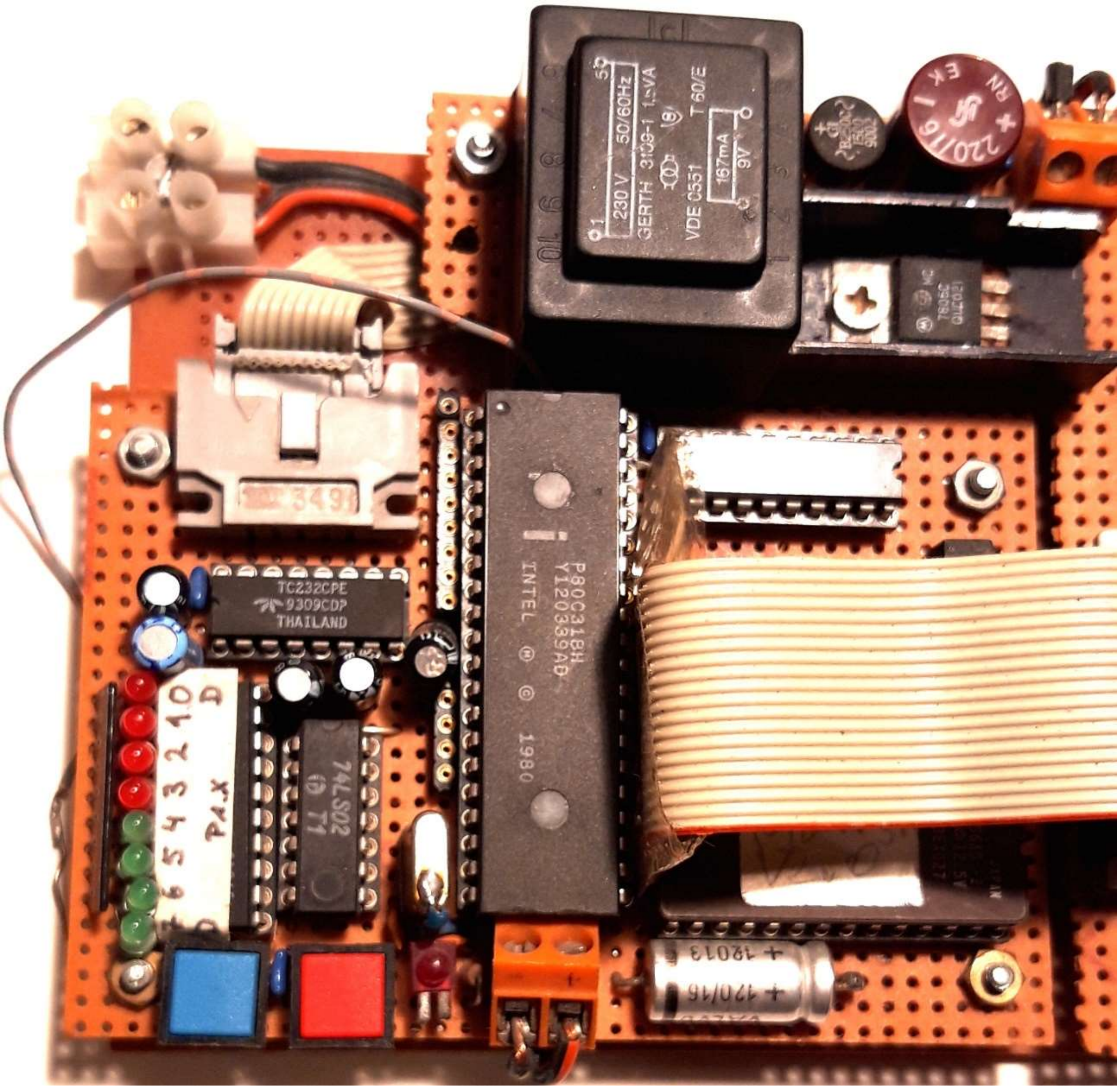
MON51 Board
(Standalone Nutzung)

mit 8031/51 CPU
Angeschlossen und gesteuert über V24
(mit Nutzungsoption für LOGAN51)

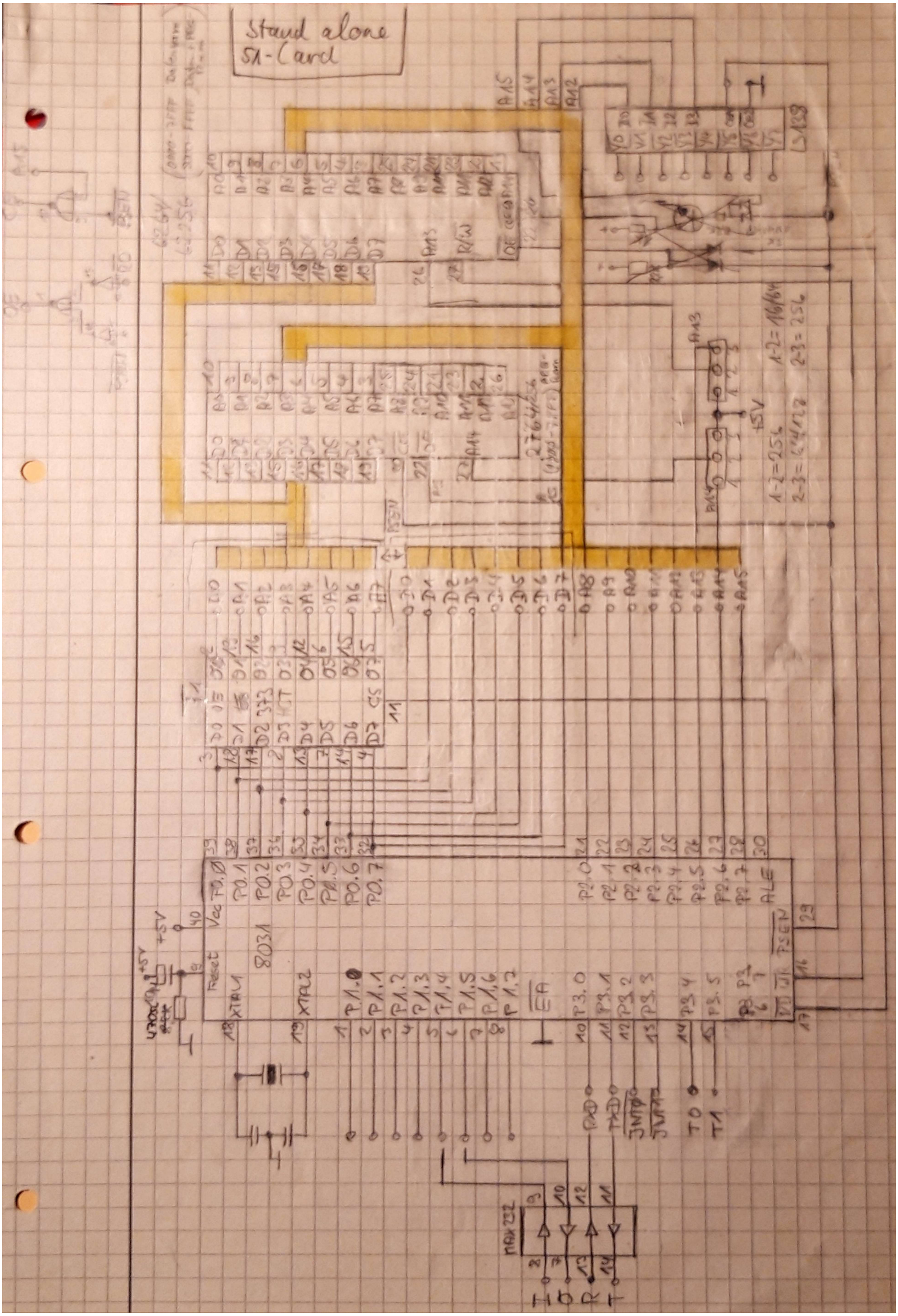
02.07.1996 - Randolph Esser

Technical Data

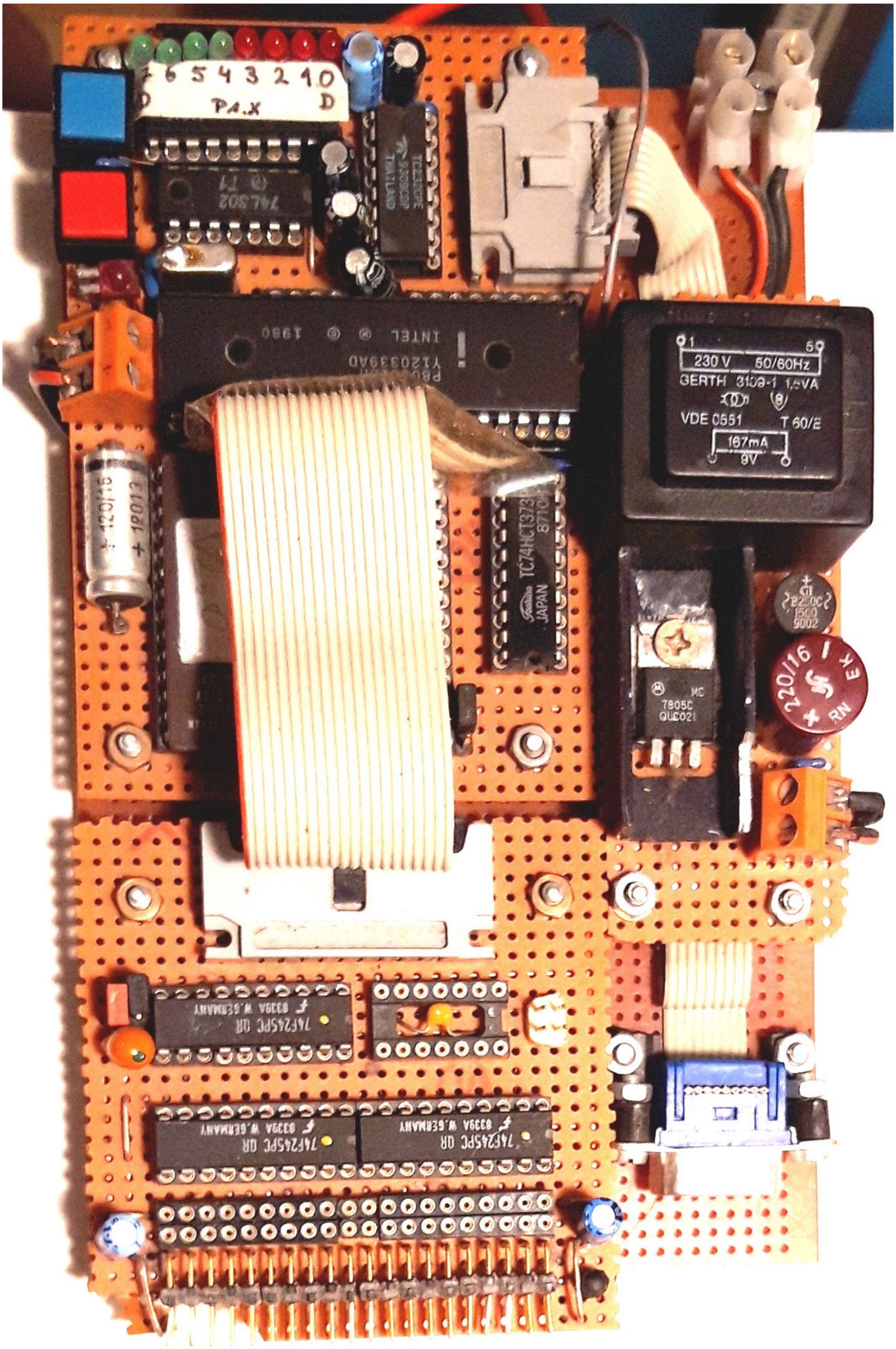
Prozessor:	i8031/51
Clock:	11.059MHz
SDRam:	16/32kByte (4364/ 43256)
EPRom:	16/32kByte (27C128/ 27C256)



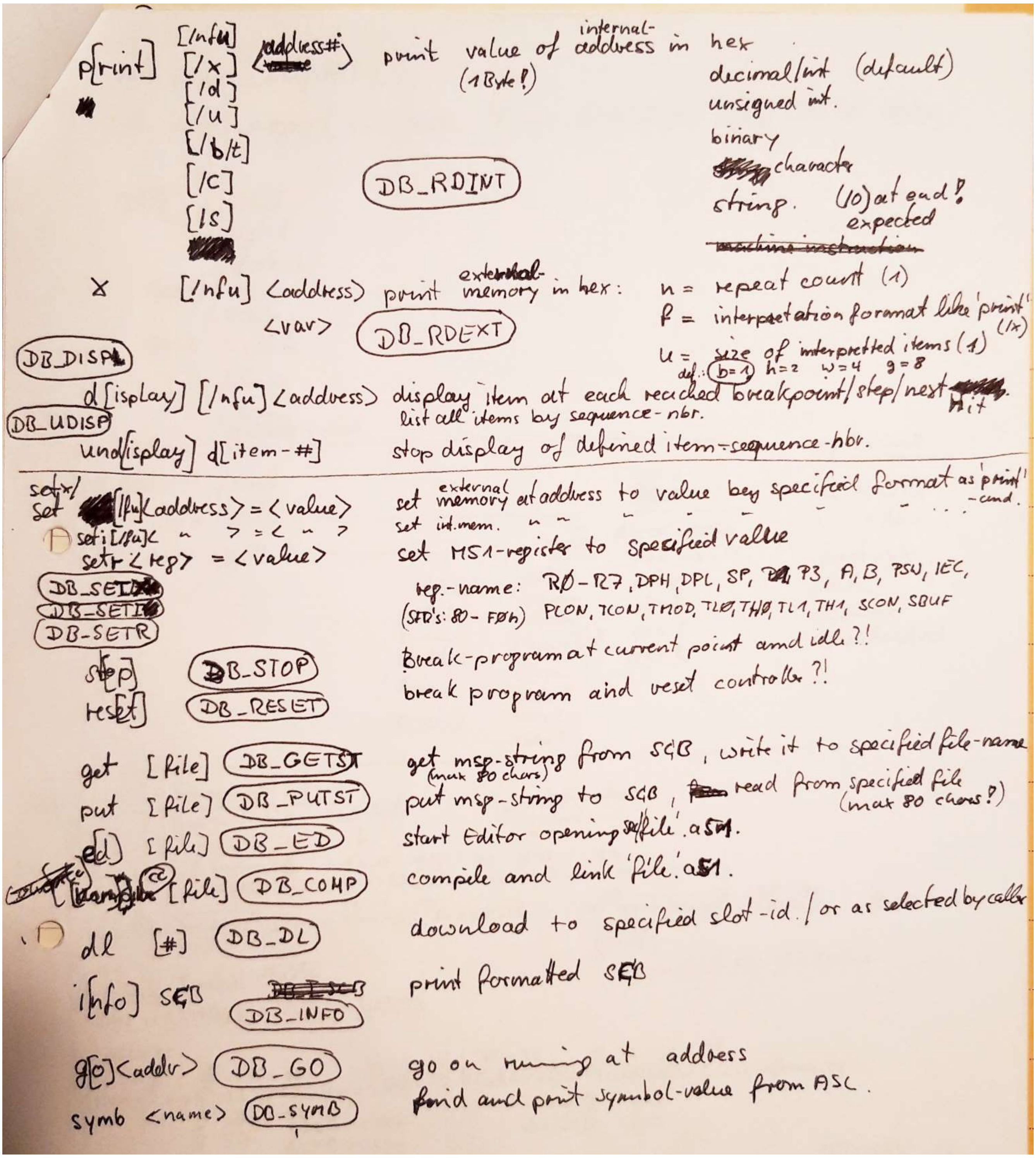
Schematics: Mon51 Single Board



Mon51-SA + LOGAN51 Probe (at CPU slot)



DB51 Function list



p[rint] [/nfu] <address#> print value of internal- address in hex (1Byte!)
[/x] hex
[/d] decimal/int (default)
[/u] unsigned int.
[/b/t] binary
[/c] character
[/s] string. (\0) at end! expected
~~machine instruction~~

DB_RDINT

x [/nfu] <address> print external- memory in hex:
<var> DB_RDEXT
n = repeat count (1)
f = interpretation foramat like 'print' (/x)
u = size of interpretted items (1)
def.: b=1 h=2 w=4 g=8

DB_DISP
d[isplay] [/nfu] <address> display item at each reached breakpoint/step/nest hit
list all items by sequence-nbr.

DB_UDISP
und[isplay] d[item-#] stop display of defined item-sequence-nbr.

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setx/
set [/fu]<address> = <value> set external memory at address to value by specified format as 'print'-cmd.
seti [/fu]< " > = < " > set int.mem. " "
setr <reg> = <value> set M51-register to specified value
reg.-name: R0-R7, DPH, DPL, SP, P3, A, B, PSW, IEC,
(SFR's: 80-F0h) PCON, TCON, TMOD, TL0, TH0, TL1, TH1, SCON, SBUF

DB_SETX
DB_SETI
DB-SETR

s[top] DB_STOP Break-program at current point and idle?!
res[et] DB_RESET break program and reset controller?!

get [file] DB_GETST get msg-string (max 80 chars) from SGB, write it to specified file-name
put [file] DB_PUTST put msg-string to SGB, read from specified file (max 80 chars?)
e[d] [file] DB_ED start Editor opening 'file'.a51.
c[c] [file] DB_COMP compile and link 'file'.a51.
dl [#] DB_DL download to specified slot-id. / or as selected by caller
i[nfo] SGB DB_INFO print formatted SGB
g[o]<addr> DB_GO go on running at address
symb <name> DB_SYMB find and print symbol-value from ASC.