

**NAME**

as8048, as8041, as80c50 — cross assemblers for microcomputers

**SYNOPSIS**

```
as8048 [-p cpu] [-l listfile] [-o hexfile] [-d] [-s symbolfile] input
as8041 [-p cpu] [-l listfile] [-o hexfile] [-d] [-s symbolfile] input
etc.
```

**DESCRIPTION**

The as8048, as8041 commands assemble the input file into a text output file representing the program memory for a microcomputer.

**Options**

-p cpu Override the instruction set selection.

Valid Values for Cpu

80C48 80c48 80C35 80c35 80C49 80c49 80C39 80c39 80C50 80c50 80C40 80c40  
8048 8035 8049 8039 8050 8040 8041 8042

-l listfile

Output a file formatted with the memory address, data, and source input lines.

-o hexfile

Output the memory data image in a form accepted by most prom programmers.

-h hexfile

Same as -o.

-d

Save the intermediate data file (see FILE) and abort the execution at the end of processing.

-s symbolfile

Print the symbol table values and names, one per line in the specified file.

**FILES**

/usr/tmp/frtXXXXXX

**SEE ALSO**

Frankenstein Cross Assemblers Users Manual (file base.doc) Appendix for as8048 Frankenstein Assembler (file as8048.doc)

**NOTES**

There is only one input file.

The program can select which subset of instructions is accepted. The program first uses the name with which it is invoked. This is scanned for a substring which indicates which set to use. The -p options overrides this selection by performing the same substring search. Finally the input file can select which subset to use with the CPU statement.

There should only be one executable file with all of its names linked to it.