

gputils 0.10.3

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Introduction

gputils is a collection of tools for Microchip (TM) PIC

1.1.1 Using gpasm with “make”

On most operating systems, you can b

base	general syntax	21 decimal written as
------	----------------	-----------------------

CBLOCK

```
CBLOCK [<expression>]
    <label>[:<increment>][,<label>[:<increment>]]
ENDC
```

Marks the beginning of a block of constants <label>. gpasm allocates values for symbols in the block starting at the value

DW

<label> DW <expression> [, <expression>]*

Declare data of one word.

See also: DA, DATA, DB, DW

ELSE

ELSE

Marks the alternate section of a conditional assembly block.

See also: IF, IFDEF, IFNDEF, ELSE, ENDIF

END

END

Marks the end of the source file.

ENDC

ENDC

Marks the end of a CBLOCK.

See also: CBLOCK

ENDIF

ENDIF

Ends a conditional assembly block.

See also: IFDEF, IFNDEF, ELSE, ENDIF

ENDM

ENDM

Ends a macro definition.

See also: MACRO

ENDW

ENDW

Ends a while loop.

See also: WHILE

EQU

<label> EQU <expression>

Permanently assigns the value obtained by evaluating <expression> to the symbol <label>.

See also: SET

14 Bit Devices (PIC16CXX)

Syntax	Description
ADDLW <imm8>	Add immediate to W

Special macr

115 Duplicate Label

Duplicate label or redefining a symbol that can not be redefined.

124 Illegal Argument

gpasm encountered an illegal argument in an expression.

125 Illegal Condition

An illegal condition like a missing endif or endw has been encountered.

126 Argument out of Range

The expression has an argument that was out of range.

127 Too many arguments

gpasm encountered an expression with too many arguments.

128 Missing argument(s)

gpasm encountered an expression with at least one missing argument.

129 Expected

Expected a certain

gum32372t0 named10644B

1.5.2 Warnings

201 Symbol not previously defined.

The symbol being #undefined was not previously defined.

202 Argument out of range

The ID locations value specified is too large.

305 Using default destination of 1 (file).

No destination was specified so the default location was used.

308 Warning level superseded by command line

The warning level was specified on the command line and in the source The command line has precedence.

309 Macro expansion superseded by command line

Macro expansion was specified on the command line and in the source The command line has precedence.

Chapter 3

gplink

gplink is a new and incomplete tool. When complete, it will provide the ability to link relocatable objects to produce an executable object.


```
gpvo test.obj > test.dump
```

This redirects standard output to the file “test.dump”.

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