ATARI® MACRO ASSEMBLER REFERENCE CARD

PSEUDO-OP QUICK REFERENCE

iglab	**ASSERT**	**<exp>**	;Check assembly condition
LABEL:	**DB**	**<exp>,<exp>**	;Define bytes
LABEL:	**DB**	**'ABCDE','f',$0D**	;Define long strings
LABEL:	**DC**	**'ABCDE'**	;DB with 80h added onto the last byte
LABEL:	**DS**	**<exp>**	;Define space
LABEL:	**DW**	**<exp>,<exp>**	;Define words
LABEL:	**DW**	**'Xu',1234,'y'**	;Define 1- or 2-character strings
LABEL:	**ECHO**	**<exp>**	;Duplicate code <exp> times
iglab	**EJECT**		;Page eject
iglab	**ELSE**		;Part of conditional assembly
LABEL:	**END**	**[exp]**	;End of assembly
iglab	**ENDIF**		;Terminate range of IF
iglab	**ENDM**		;Terminate MACRO or ECHO
iglab	**EPROC**		;Terminates local symbol range
LABEL:	**EQU**	**<exp>**	;Define LABEL equals <exp>
iglab	**ERR**		;Force error flag
iglab	**IF**	**<exp>**	;Begin conditional assembly
LABEL:	**INCLUDE**	**<filespec>**	;Include another source file
iglab	**LINK**	**<filespec>**	;Include another source file at the end of this source file
iglab	**LIST**	**<opt>**	;<opt> = list control option
iglab	**LIST**	*****	;Pop list control stack
LABEL:	**LOC**	**<exp>**	;Set location counter
NAME:	**MACRO**	**<parms>**	;Begin macro definition
LABEL:	**ORG**	**<exp>**	;Set origin counter
LABEL:	**PROC**		;Begin local symbol range
LABEL:	**REAL6**	**<exp>**	;6-byte real constant conversion
LABEL:	**SET**	**<exp>**	;Reset LABEL to <exp>
iglab	**SPACE**	**<exp1>,<exp2>**	;Space <exp1> lines if <exp2> lines left on this page
iglab	**SUBTTL**	**'text'**	;Set listing subtitle
iglab	**TITLE**	**'text'**	;Set listing title
iglab	**USE**	**<name>**	;Use block declaration
LABEL:	**VFD**	**<exp>\<exp>**	;Variable field definition
LABEL:	**=**	**<exp>**	;Synonym for EQU

<exp>	**=**	**required expression**
[exp]	**=**	**optional expression**
<filespec>	**=**	**<device>:<filename>.<extension>**
iglab	**=**	**ignored label**
'text'	**=**	**strings**

ERROR CODES

A = Address error. Instruction specified does not support the addressing mode specified.

D = Duplicate label error. The last one defined is used.

E = Expression error. An expression on the source line in the address field is unrecognizable.

F = Bad nesting of control statements. Bad nesting of IF/ELSE/ENDIF statements. When this occurs on the END line, means an IF was not terminated.

I = Instruction field not recognized. Three NOP bytes are generated.

L = Label field not recognized. Three NOP bytes are generated.

M = MACRO statement error. Improper macro definition.

N = Error in number: digit exceeds radix, value exceeds 16 bits, and so forth.

O = Stack table overflow occurred in evaluating expression; user should simplify expression. Too many LINK files. Too many PROCs. Too many USE blocks.

P = Programmer forced error. See ASSERT and ERR pseudo-ops.

R = Expression in variable field not computable.

S = Syntax error in statement. Too many or too few address subfields.

U = Reference to an undefined symbol.

V = Expression overflow, resultant value is truncated.

W = Not within VFD field width (1 <= width <= 16).

Y = Misplaced instruction, extraneous ENDM. When this occurs on the END line, means a MACRO or ECHO was not terminated.