

MYARC ADVANCED BASIC

ABASIC ASSEMBLY SUPPORT AND OTHER INFORMATION--CON'T

DEFAULT I/O PAB DETAIL at >FC00 (64 bytes)

OPCODE	EQU 0	I/O OPCODE
MFLAG	EQU 1	MODE FLAG
ECODE	EQU 2	ERROR CODE
BAHIGH	EQU 3	BUF ADD HIGH
BALOW	EQU 4	BUF ADD LOW
LRN	EQU 6	LOGICAL RECORD NUMBER
RECNUM	EQU 6	RECORD NUMBER
LRC	EQU 8	LOGICAL RECORD LENGTH
MEMTYP	EQU 10	CPU or VDP
CCHIGH	EQU 11	CHARACTER COUNT HIGH
CHRCNT	EQU 12	CHAR COUNT
STATBY	EQU 14	STATUS BYTE(RECORD NUMBER)
NAMEL	EQU 15	NAME LENGTH
NAME	EQU 16	NAME(40 characters)
IOCONT	EQU 56	IO CONTINUE
FILENO	EQU 57	BASIC FILE NUMBER
INTOFF	EQU 58	POINTER INTO BUFFER
PABBUF	EQU 60	32 BIT ADDRESS POINTER TO DATA BUFFER

The following combinations of keys produce special effects and are available to MDOS and/or ABASIC:

ALT CTRL DEL makes the keyboard routine initiate the equivalent of a system reset/boot(soft boot).

CTRL BREAK (CTRL C) makes the keyboard routine invoke the (Keyboard break) interrupt.

CTRL NUM-LOCK makes the keyboard routine wait for you to press any key but NUM-LOCK. This gives you a way to suspend an operation temporarily, then resume.

SHIFT PRTSC or CTRL PRTSC or PRTSC makes the keyboard routine invoke the Print Screen interrupt.

The keyboard treats the following keys as a group, rather than individually; CTRL, SHIFT, NUM-LOCK, CAPS-LOCK and INS. The service routine for the keyboard I/O routine returns a "shift status" byte that tells you when one of these keys are pressed.

PRE-SCAN

The following symbols are used by ABASIC for pre-scan:

!@P+ Turn pre-scan on
!@P- Turn pre-scan off
!@P* Terminate pre-scan

If your program uses a large quantity of variables(any kind) it is recommended that pre-scan be used.

String variables(any kind) should precede numeric variables(any). Memory space allocated for Strings is less than that of numeric variables and allows for the most efficient use of Data space(Freespace(2)).