NO/COM QUICK REFERENCE GUIDE

COLOUR SELECTION CODES

(BACKGND, COLOUR, CHECK AVC MODES)

- BLACK
- RED
- 2 GREEN
- YELLOW 3
- BLUE
- 5 MAGENTA
- 6 CYAN
- _ WHITE

MAT ARRAY FORMAT

NO OF LINES

2 BYTES

X CO-ORDINATE

2 BYTES

Y CO-ORDINATE

2 BYTES

CONTROL

1 BYTE

CONTROL

BITS

COL

5

G INK INK INK

0

SPARE FILL CNG 1

3 2

PEN TYPES

- DOM OR REPLACE o
- OR
- 2 XOR
- 3 AND
- 4 XNOR
- 5 NOT
- 6 NOR
- NAND

DEFAULT VALUES

COLOUR

:- WHITE

PEN

:- ALL DOWN

PLOT MODE

:- DOM

WINDOW

:- HARD CLIP

VECTOR

:- RESET

CURSOR

:- Ø, Ø

:- OFF

LAST PIXEL :- ON

STANDARD CHARACTER TABLE

EXTENDED COLOUR MATRIX

Y

3 13 1 16 4 12

2 5 9 8

1 15 3 14 2 o 7 11 6 10

> o 1 2 3 X

ASSEMBLER COMMANDS

BACKGND

1 PLOT

2 LINE

3 CHECK

LABEL

POLY

6 VECTOR

7 DEFAULT

ORIGIN

MAT

RECT

В TRI

C SLINE

DUMP D

E GLOAD

F GSAVE

FILL 10

DEFRECT

RESOLUTION

392 x 256 SINGLE

DOUBLE

784 x 256

ORIGIN (Ø, Ø)

BOTTOM LEFT HAND

OF SCREEN

PORT B2

BIT Ø RED PAGE

BIT 1 GREEN PAGE

BLUE PAGE

DOUBLE DENSITY BIT 3

RTT 4 RED O/P

BIT 5 GREEN O/P

BLUE O/P BIT 6

BIT 7 EXT VIDEO

POLYGON TYPES

NORMAL 0

1 CORD

2 RADII

RADIANS/DEGREES

1 DEG = 0.0174532925RAD

1 RAD = 57.29577951

JUMP TABLE

? = C FOR 648

? = 8 FOR G32

COLD DOS 2 FFD

COLD NAS COLD RET ? FF7

AVCALL ? FF4

? FF2

MODE

0 EXT VIDEO

1 SINGLE

DOUBLE 2

SINGLE & DOUBLE

AVC PORT ADDRESSES

CRTC **ADDRESS** CRTC DATA B1

CONTROL

REGISTERS CRTC

Ω HORIZ TOTAL - 1

HORIZ DISPLAYED

H. SYNC POSITION

H. SYNC WIDTH VERTICAL TOTAL - 1

V. TOTAL ADJUST

V. DISPLAYED 6

7 V. SYNC POSITION

INTERLACE MODE

MAX SCAN LINE ADDRESS

CURSOR START 10

CURSOR END 11

START ADD H 12

START ADD L 13

14 CURSOR

15 CURSOR L

LIGHT PEN H 16

LIGHT PEN L

BASIC COPPIAND SUPPLARY

(FOR NASCOM ROM BASIC USE PREFIX OF SET)

LINE X, Y, (MODE CARRIAGE)

ALINE X, Y, (X1, Y1, MODE, CARRIAGE)

PLOT X, Y, (MODE, CARRIAGE)

SLINE X, Y, (MODE, XMAG, YMAG, SLAMT, ROTATE, CARRIAGE)

ASLINE X, Y, X1, Y1, (MODE, XMAG, YMAG, SLANT, ROTATE, CARRIAGE)

VECTOR LENGTH, (ANGLE, MODE, CARRIAGE)

AVECTOR X, Y, LENGTH, (ANGLE, MODE, CARRIAGE)

TRI BASELEN, (HEIGHT, SLANT, ROTATE, FILL, CARRIAGE)

ATRI X, Y, BASELEN, (HEIGHT, SLANT, ROTATE, FILL, CARRIAGE)

RECT XLEN, (YLEN, SLANT, ROTATE, FILL, CARRIAGE)

ARECT X, Y, XLENT, (YLEN, SLANT, ROTATE, FILL, CARRIAGE)

POLY ... XRAD, (YRAD, SIDES, DISPL, START, ROT, FILL TYPE, CARRIAGE)

APOLY X, Y, XRAD, (YRAD, SIDES, DISPL, START, ROT, PILL, TYPE, CARRIAGE)

LABEL STRING, (XMAG, YMAG, SLANT, ROTATE, CHAR SPACING, CARRIAGE)

ALABEL X, Y, STRING, (XMAG, YMAG, SLANT, ROTATE, CHAR SPACING, CARRIAGE)

MAT ADDRESS, (XMAG, YMAG, SLANT, ROTATE, PILL, CARRIAGE)

AMAT X, Y, ADDRESS, (XMAG, YMAG, SLANT, ROTATE, FILL, CARRIAGE)

BACKGND (RED INTENSITY, GREEN, INTENSITY, BLUE INTENSITY, CARRIAGE)

BACKGND (COLOUR, CARRIAGE)

COLOUR (RED INTENSITY, GREEN INTENSITY, BLUE INTENSITY)

COLOUR (COLOUR)

CURSOR X VARIABLE, Y VARIABLE

CHECK VARIABLE, (X , Y)

DASH (LINE ON, LINE OFF, LAST POINT)

DEFAULT

MODE (AVC MODE, VIDEO OUTPUT)

PEN (RED, GREEN, BLUE, PLOT MODE)

ORIGIN (X , Y)
DOS (MODE)

WINDOW (XMIN, XMAX, YMIN, YMAX)

FILL (MODE)

GSAVE PILE, (DRIVE)
GLOAD FILE, (DRIVE)

DUMP (PLANES)