380Z USER'S REFERENCE CARD

COS Monitor

J	Jump to addr. & start.
C	Continue program
L	Load file
D	Dump file
O	Select I/O options

COS Front Panel

Return	Increment mem. ptr.
−	Decrement mem. ptr.
linefeed	Increment mem. ptr. by 8
/	Decrement mem. ptr. by 8
M	Set mem. ptr.
I	Set mem. ptr. from mem. (abs)
R	Set mem. ptr. from mem. (rel)
•	Increment register ptr.
.	Display alternate registers
P	Fill & test memory
G	Find pattern
N	Repeat last G
H	Hex calculator
Z	Single step
K	Continue program

TXED

B	Move ptr to start
nC	Move ptr n characters
nL	Move ptr n lines
Z	Move ptr to end
nD	Delete n characters
nK	Delete n lines
Itext$	Insert text
(tab) text$	Insert (tab) text
nXtext$	= nDItext$
nFtext$	Find nth match for text
nT	Type n lines to screen
nP	Type n lines to printer
nW	Write n lines to output file
R	Read page from input file
N	=B32767WR
G	Insert M/S buffer
nS	Save n lines to M/S buffer
M command str $$	Save command str in M/S buffer
nEM	Execute macro n times
nEC	Set block repeat count to n
nED	Enable or disable window
EF	Close output file
ER filespec $	Open 'filespec' for reading
EV	Type TXED title
EW filespec $	Open 'filespec' for writing
EX	Dump rest of file, leave editor
n (command str)	Execute command str n times

IMMEDIATE MODE

↑D	=1C in command mode
↑V	=−1C in command mode
↑N	=+1L in command mode
↑G	=−1L in command mode
↑J	=I⟨CR⟩ $−2C in command mode
↑K	=IK in command mode
RUBOUT	=−ID in command mode
ESC	Return to command mode

ZAS

IN d	Input stream to d
OUT d,s	Output stream s to d
E	Call editor
B	Break
S	Cold start ZAS
R	Restart ZAS
P1	Pass 1
P2	Pass 2
P3	Pass 3
C	Continue pass
W	Clear symbol table last pass
T	Output symbol table
LOFF	Line & page numbers off
LON	Line & page numbers on
LOAD	Input text
SAVE	Output text
OPEN filespec	Get 'filespec' for reading
CREATE filespec	Get 'filespec' for writing
CLOSE	Close output file
COPY n	Set block repeat count to n
ICFS	Initialise CFS

ZAS EDITOR

Cn	Move ptr n characters
Ln	Move ptr n lines
B	Move ptr to start
Z	Move ptr to end
Dn	Delete n characters
Kn	Delete n lines
Tn	Type n lines
S	Type no. of free bytes
FS	Find string
FN	Repeat last FS
HK	Clear buffer
I	Insert text
A	Append text
EX	Leave editor

TRAP CALLS

CODE (decimal)	Mnemonic	Meaning
negative	—	Display ?ERR?, return to COS
0	—	Return to COS
1	OUTC	Output character to screen
2	KBDIN	Get character from keyboard
3	PUTBYT	Output character to cassette
4	GETBYT	Get character from cassette
5	—	Output character to printer
6	—	Output character to file
7	—	As EMT 6
8	—	Get character from file
9	—	As EMT 8
10	—	As EMT 8
11	OPNWT	Open VT memory at frame blanking period
12	CLOSE	Close VT memory
13	GRAFIX	Scroll 4 lines, clear graphics area
14	SCROLL	Restore full screen scroller
15	CLEAR	Clear specified area of VT screen
16	WAIT	Pause for specified period
17	GETSYN	Get specified sync character from cassette
18	UPDATE	Update PORTO from MASK
19	GETHEX	Get hexadecimal number from keyboard
20	DEOUT	Convert 16−bit value to ASCII
21	BYTEO	Convert 8−bit value to ASCII
22	OUTC	Output character to screen
23	MSG	Output message to screen
24	CHAN	Perform I/O transfer on specified channel
25−127	—	Jump to TRAPX