

INSTRUCTION SET ARCH.

xxxx xaa (common format)

aa=00 : 8bit immediate
 aa=01 : register(0-255) direct
 aa=10 : register(0-255) indirect
 aa=11 : 16bit immediate

Occc ddaa JMP

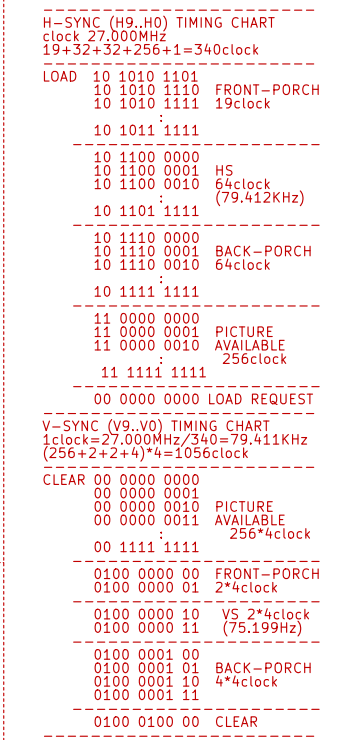
ccc=000 : ALWAYS
 ccc=001 : EXTERNAL
 ccc=010 : Jump if not FULL
 ccc=011 : Jump if FULL
 ccc=100 : Jump if not CARRY
 ccc=101 : Jump if CARRY
 ccc=110 : Jump if not MINUS
 ccc=111 : Jump if MINUS

dd=00 : wait request
 dd=01 : absolute jump
 dd=10 : relative jump (forward)
 dd=11 : relative jump (backward)

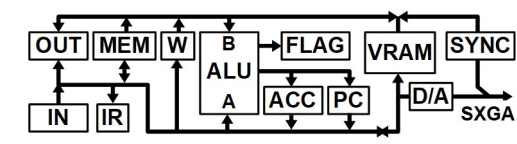
11M0 00aa STM 10-0 00aa AND
 11-0 01aa OUT 10-0 01aa OR
 11-0 10aa STW 10-0 10aa XOR
 11-0 11aa LDV 10-0 11aa INV
 11M1 00aa LDM 10-1 00aa HALT
 11P1 01-- IN 10-1 01aa LD
 11-1 10-- LPC 10-1 10aa ADD
 11-1 11-- SFT 10-1 11aa SUB

M=1 EXTENDED MEMORY ACCESS
 P=1 EXTENDED PORT ACCESS

SXGA VIDEO TIMING CHART



BLOCK DIAGRAM



RETROF-2017 (1/2) REV. (2.06A)