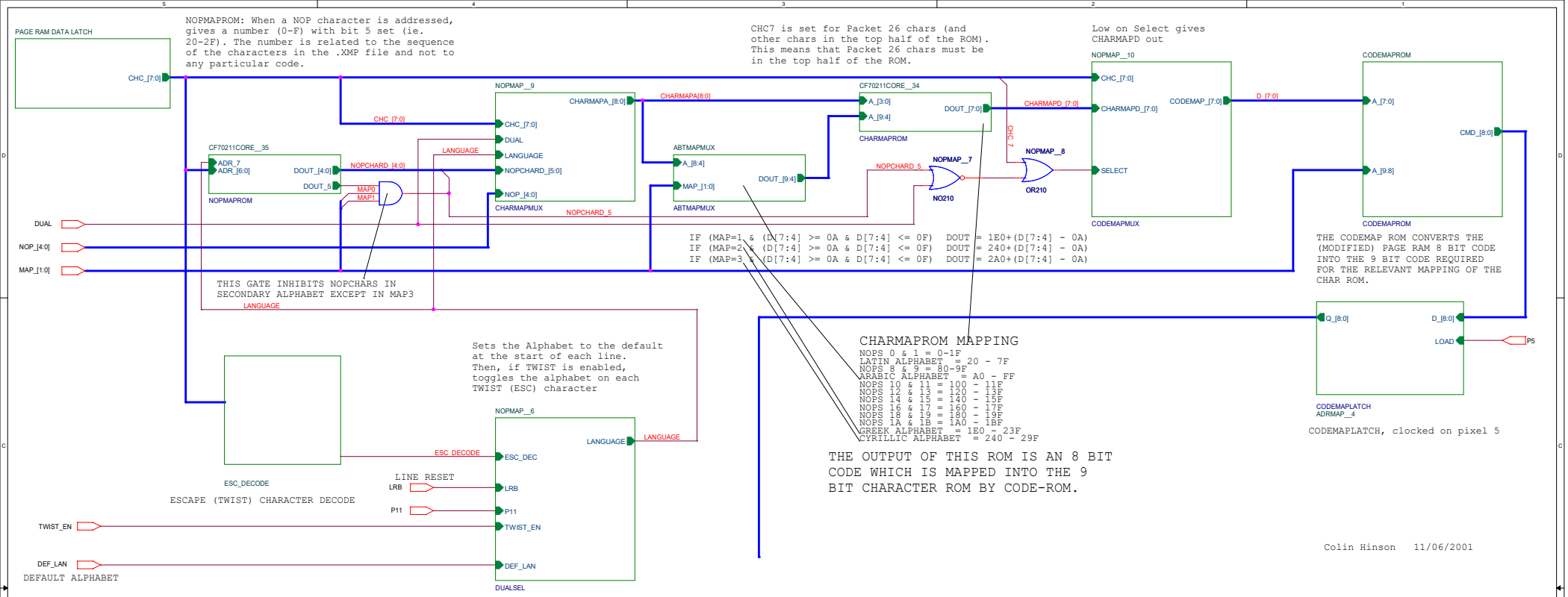
NOPMAPROM: When a NOP character is addressed, gives a number (0-F) with bit 5 set (ie. 20-2F). The number is related to the sequence of the characters in the .XMP file and not to any particular code.
CHC7 is set for Packet 26 chars (and other chars in the top half of the ROM). This means that Packet 26 chars must be in the top half of the ROM.
Low on Select gives CHARMAPD out
PAGE RAM DATA LATCH
CHC_[7:0]
NOPMAP__9
CHARMAPA_[8:0]
CHC_[7:0]
DUAL
LANGUAGE
NOPCHARD_[5:0]
NOP_[4:0]
CHARMAPMUX
CF70211CORE__35
ADR_7
ADR_[6:0]
DOUT_[4:0]
DOUT_5
NOPMAPROM
NOPCHARD_[4:0]
MAP0
MAP1
ABTMAPMUX
A_[8:4]
MAP_[1:0]
DOUT_[9:4]
ABTMAPMUX
CF70211CORE__34
A_[3:0]
A_[9:4]
DOUT_[7:0]
CHARMAPROM
CHARMAPA[8:0]
CHARMAPD_[7:0]
CHC_7
NOPMAP__8
OR210
NOPMAP__7
NO210
NOPCHARD_5
NOPMAP__10
CHC_[7:0]
CHARMAPD_[7:0]
SELECT
CODEMAPMUX
CODEMAP_[7:0]
D_[7:0]
CODEMAPROM
A_[7:0]
A_[9:8]
CMD_[8:0]
CODEMAPROM
DUAL
NOP_[4:0]
MAP_[1:0]
IF (MAP=1 & (D[7:4] >= 0A & D[7:4] <= 0F) DOUT = 1E0+(D[7:4] - 0A)
IF (MAP=2 & (D[7:4] >= 0A & D[7:4] <= 0F) DOUT = 240+(D[7:4] - 0A)
IF (MAP=3 & (D[7:4] >= 0A & D[7:4] <= 0F) DOUT = 2A0+(D[7:4] - 0A)
THE CODEMAP ROM CONVERTS THE (MODIFIED) PAGE RAM 8 BIT CODE INTO THE 9 BIT CODE REQUIRED FOR THE RELEVANT MAPPING OF THE CHAR ROM.
THIS GATE INHIBITS NOPCHARS IN SECONDARY ALPHABET EXCEPT IN MAP3
LANGUAGE
Sets the Alphabet to the default at the start of each line. Then, if TWIST is enabled, toggles the alphabet on each TWIST (ESC) character
NOPMAP__6
LANGUAGE
ESC_DECODE
ESC_DEC
LRB
P11
TWIST_EN
DEF_LAN
DUALSEL
ESC_DECODE
ESCAPE (TWIST) CHARACTER DECODE
LINE RESET
LRB
P11
TWIST_EN
DEF_LAN
DEFAULT ALPHABET
CHARMAPROM MAPPING
NOPS 0 & 1 = 0-1F
LATIN ALPHABET = 20 - 7F
NOPS 8 & 9 = 80-9F
ARABIC ALPHABET = A0 - FF
NOPS 10 & 11 = 100 - 11F
NOPS 12 & 13 = 120 - 13F
NOPS 14 & 15 = 140 - 15F
NOPS 16 & 17 = 160 - 17F
NOPS 18 & 19 = 180 - 19F
NOPS 1A & 1B = 1A0 - 1BF
GREEK ALPHABET = 1E0 - 23F
CYRILLIC ALPHABET = 240 - 29F
THE OUTPUT OF THIS ROM IS AN 8 BIT CODE WHICH IS MAPPED INTO THE 9 BIT CHARACTER ROM BY CODE-ROM.
Q_[8:0]
D_[8:0]
LOAD
P5
CODEMAPLATCH
ADRMAP__4
CODEMAPLATCH, clocked on pixel 5
Colin Hinson 11/06/2001