

* (1) Rezistorii R8 si R9 au rolul de terminatori pentru traseele lungi de pe placa de baza prin care HB si HS vin la acest modul. In practica am avut probleme cu zgomot care afecta aceste 2 semnale, rezultatul fiind pierderea sincronizarii verticale si/sau orizontale.

Daca imaginea este "feliata" sau topaie pe ecran, aceste doua rezistoare vor rezolva problema.

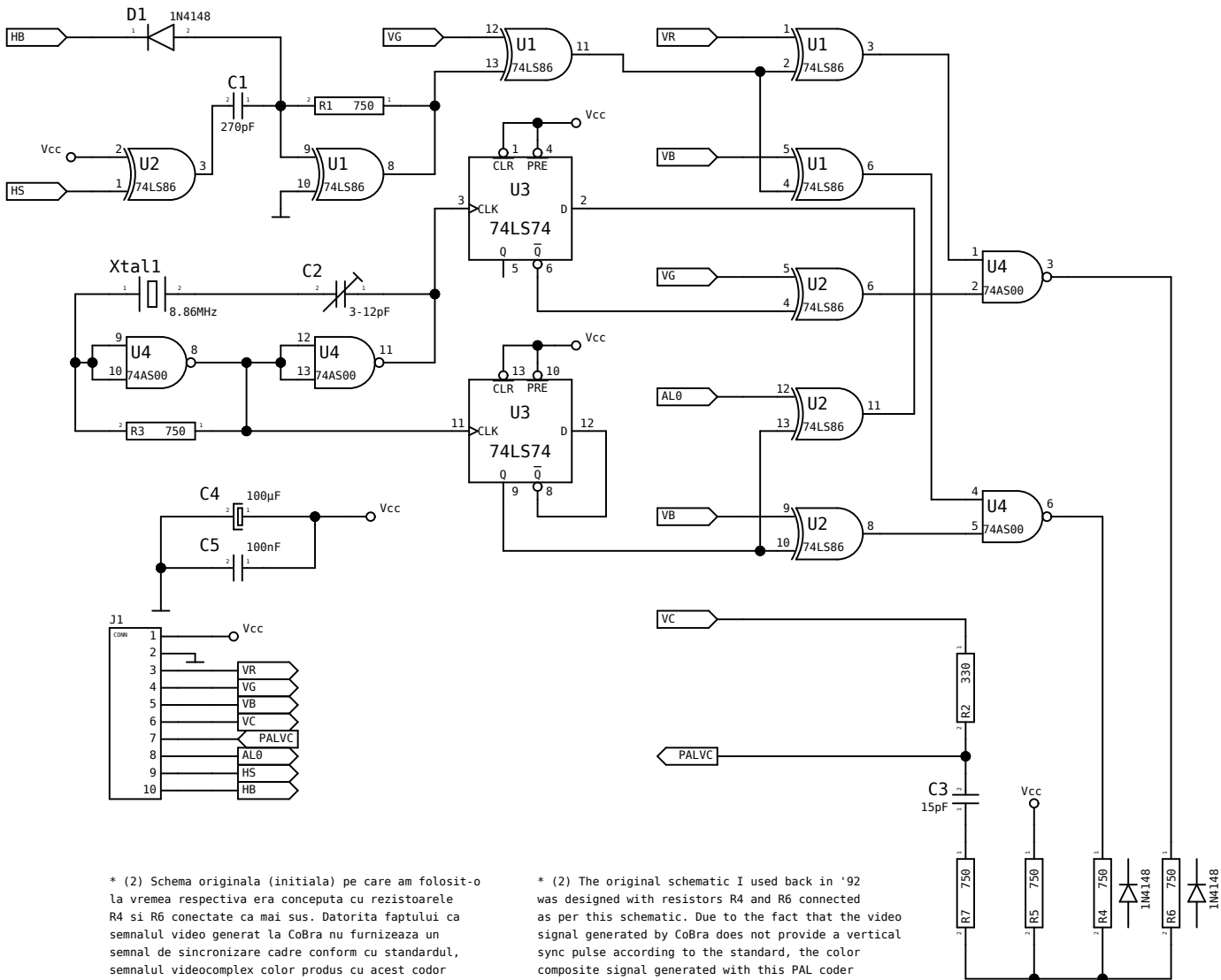
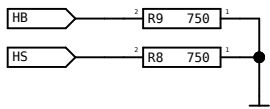
ATENȚIE:

Schemele placii de baza v.0.2 precum si cablajul placii de baza rev.3.16a contin doi rezistori de terminare a semnalelor HB si HS in zona circuitului de formare a semnalului video. Daca acestia sint instalati pe placa de baza si acest codor PAL este folosit cu placa de baza rev.3.16a, rezistorii R08 si R09 din schema de fata NU MAI TREBUIESC INSTALATI !

* (1) Resistors R8 and R9 are meant as terminations for the long lines on the mainboard that bring HB and HS to this module. In practice I had trouble with crosstalk affecting these 2 signals, resulting in loss of vertical and horizontal sync. If the image is sliced and/or jumping, these 2 resistors will fix the problem.

WARNING:

Mainboard v.0.2 schematics as well as the rev.3.16a circuit board contain 2 terminator resistors on HB and HS signals in the Video Circuit area. If these are installed on the mainboard and this PAL coder is being used with the rev.3.16a mainboard, then R08 and R09 in the schematic shown here ARE NOT TO BE INSTALLED !



* (2) Schema originala (initiala) pe care am folosit-o la vremea respectiva era conceputa cu rezistoarele R4 si R6 conectate ca mai sus. Datorita faptului ca semnalul video generat la CoBra nu furnizeaza un semnal de sincronizare cadre conform cu standardul, semnalul videocomplex color produs cu acest codor PAL poate cauza probleme la afisarea pe anumite receptoare TV. De aceea a fost introdusa o modificare constind in inlocuirea rezistoarelor R4 si R6 cu cite o dioda, conectate ca in figura. Modificarea reduce durata impulsului de sincronizare cadre la valoarea standard. Autorul modificarii este YO3GHM de pe forumul RomanianHomeComputer.

* (2) The original schematic I used back in '92 was designed with resistors R4 and R6 connected as per this schematic. Due to the fact that the video signal generated by CoBra does not provide a vertical sync pulse according to the standard, the color composite signal generated with this PAL coder might cause some problems if displayed on certain TV receivers. This is why a modification was introduced, consisting in the replacement of R4 and R6 with diodes connected as shown here. This modification reduces the length of the vertical sync pulse to the standard value. The author of this modification is YO3GHM from the RomanianHomeComputer forum.

TITLE		μC CoBra - Codor PAL CoBra μC - PAL Coder	
FILE:	CoBra	REVISION:	0.5
PAGE	1 OF 1	DRAWN BY:	ElectronNix