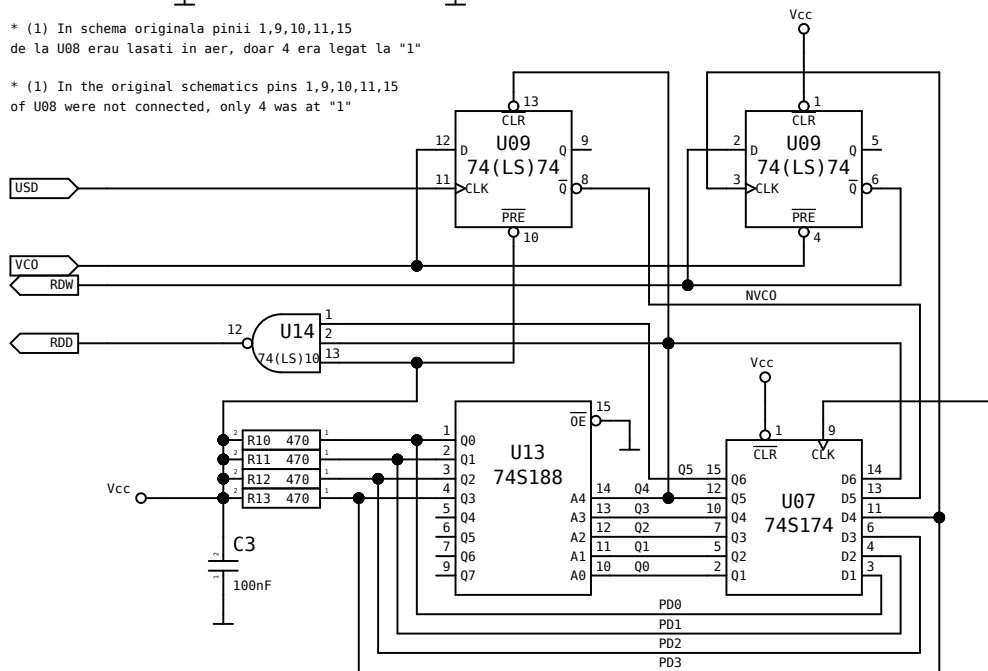


* (1) In schema originala pinii 1,9,10,11,15 de la U08 erau lasati in aer, doar 4 era legat la "1"

* (1) In the original schematics pins 1,9,10,11,15 of U08 were not connected, only 4 was at "1"



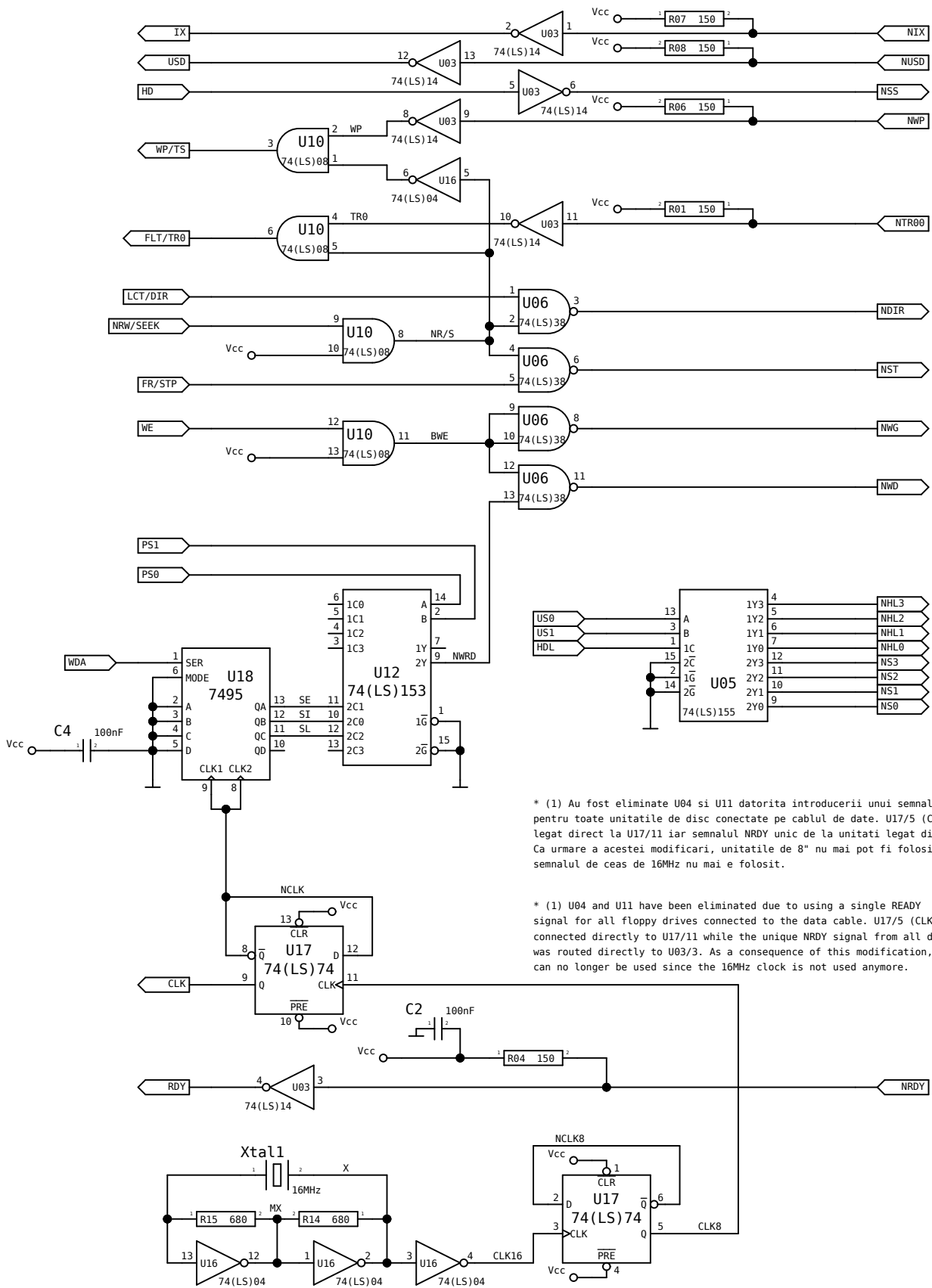
TITLE Interfata disc flexibil - Circuite formare ceas scriere si PLL digital
Floppy disk interface - Write clock and digital PLL circuits

FILE: CoBra

REVISION: 2.32 (v.1.1)

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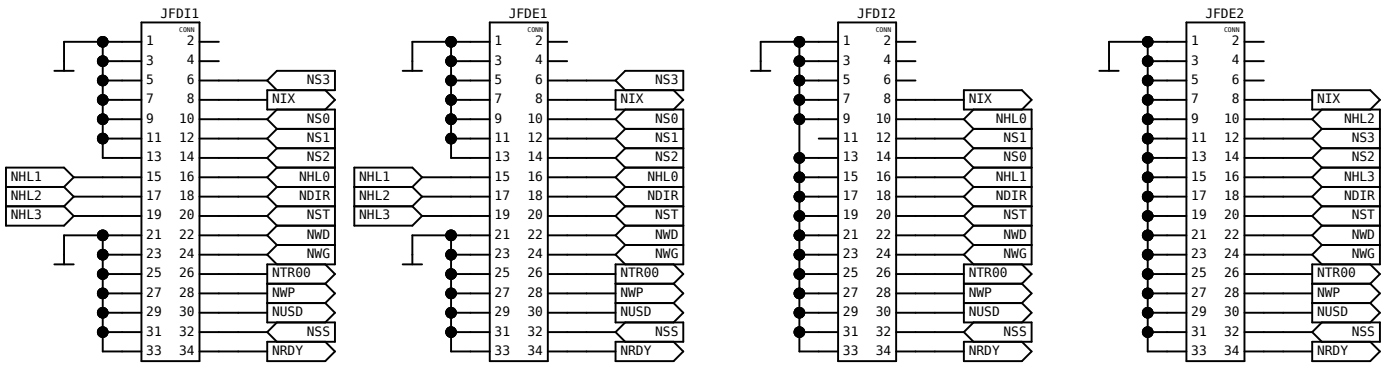
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* (1) Au fost eliminate U04 si U11 datorita introducerii unui semnal READY unic pentru toate unitatile de disc conectate pe cablul de date. U17/5 (CLK8) a fost legat direct la U17/11 iar semnalul NRDY unic de la unitati legat direct la U03/3. Ca urmare a acestei modificari, unitatile de 8" nu mai pot fi folosite intrucit semnalul de ceas de 16MHz nu mai e folosit.

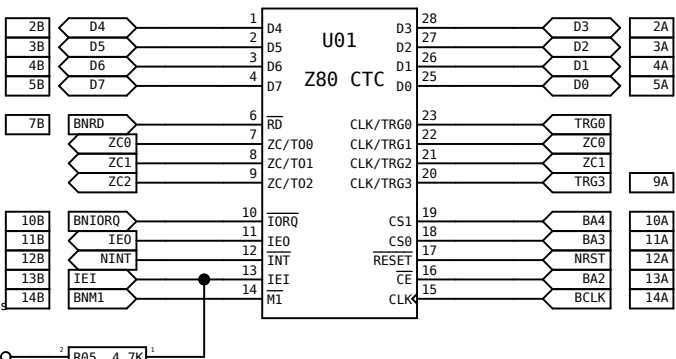
* (1) U04 and U11 have been eliminated due to using a single READY signal for all floppy drives connected to the data cable. U17/5 (CLK8) has been connected directly to U17/11 while the unique NRDY signal from all drives was routed directly to U03/3. As a consequence of this modification, 8" drives can no longer be used since the 16MHz clock is not used anymore.

TITLE		Interfata disc flexibil - Circuite formare semnale comanda si ceas Floppy disk interface - Command and clock signals generator circuits	
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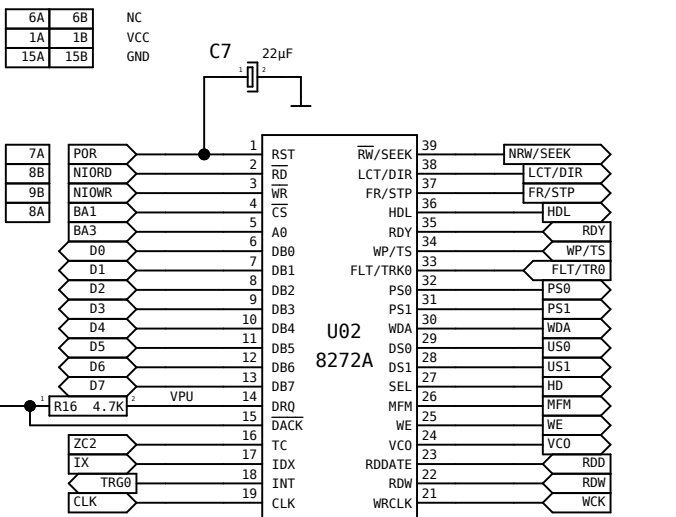
* (1) JFDI1, JFDE1 sint conectori pentru unitati cu semnale la pini conform standardului original Shugart.
 JFDI1 = conector intern,
 JFDE1 = conector extern.
 Acesti conectori necesita cabluri de date nestandard, folosind o parte din liniile de masa pentru semnale de comanda.

* (1) JFDI1, JFDE1 are connectors for drives whose pinout is compliant with the original Shugart standard.
 JFDI1 = internal connector,
 JFDE1 = external connector.
 These connectors require modified data cables since they use some of the ground lines for command signals.



* (2) JFDI2, JFDE2, conectori pentru unitati cu semnale la pini neconform standardului original Shugart (unitati recente, fara jumperi pentru configurarea semnalului de selectie).
 JFDI2 = conector intern,
 JFDE2 = conector extern.

Aceste unitati sint preconfigurate ca unitate B: intrucit "vad" doar semnalul de selectie de pe pinul 12 al conectorului si semnalul de HEAD LOAD de pe pinul 16. JFDI2, JFDE2 accepta cabluri plate cu sau fara torsadare. Cablul fara torsadare accepta o singura unitate, cel cu torsadare accepta doua unitati.
 Daca se folosesc cabluri fara torsadare, unitatea conectata la JFDI2 va fi unitate B: iar unitatea conectata la JFDE2 va fi unitate D:.
 Daca se folosesc cabluri cu torsadare, unitatile conectate la JFDI2 vor fi unitatile A: si B: iar cele conectate la JFDE2 vor fi unitatile C: si D:.

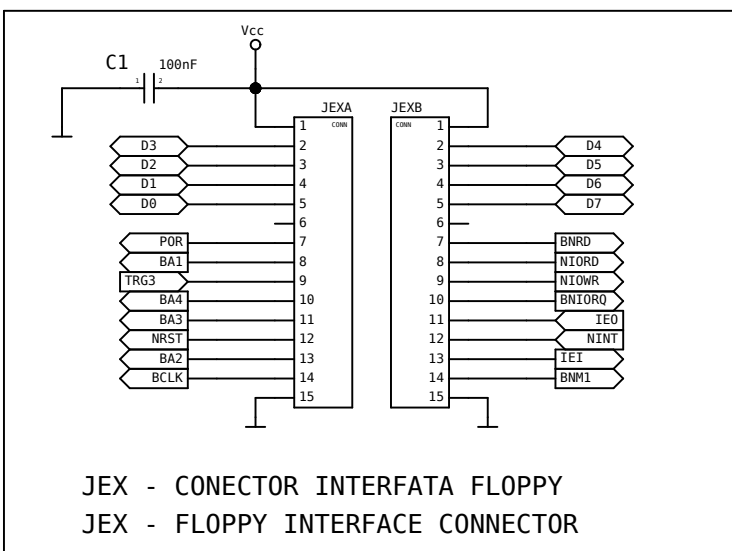


* (2) JFDI2, JFDE2 are connectors for drives whose pinout is non compliant to the original Shugart standard (newer drives, without jumpers for drive select signal configuration).
 JFDI2=internal connector,
 JFDE2=external connector.

These drives are preconfigured to work as drive B: since they only "see" the select signal coming on pin 12 of the connector and the HEAD LOAD signal coming on pin 16. JFDI2, JFDE2 will take flat cables with or without twist.
 A cable without twist takes one single drive, a cable with twist takes two drives.
 When using cables without twist, the drive connected to JFDI2 is drive B: and the drive connected to JFDE2 is drive D:.
 When using cables with twist, drives connected to JFDI2 will be drives A: and B:, drives connected to JFDE2 will be drives C: and D:.

Manualul original avea JEXA/8 listat ca fiind legat la BA7. De asemenea cablajul original avea JEXA/8 legat la BA7. Corect este ca JEXA/8 sa fie legat la BA1. Am modificat deci atit schema de fata precum si cablajul legind JEXA/8 la BA1 (pe placa de baza).

The original hardware manual had JEXA/8 listed as being connected to BA7. Also the original mainboard layout had JEXA/8 connected to BA7. Correctly, JEXA/8 should be connected to BA1. I have therefore changed this schematic as well as the mainboard layout by connecting JEXA/8 to BA1.



JEX - CONECTOR INTERFATA FLOPPY
 JEX - FLOPPY INTERFACE CONNECTOR

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