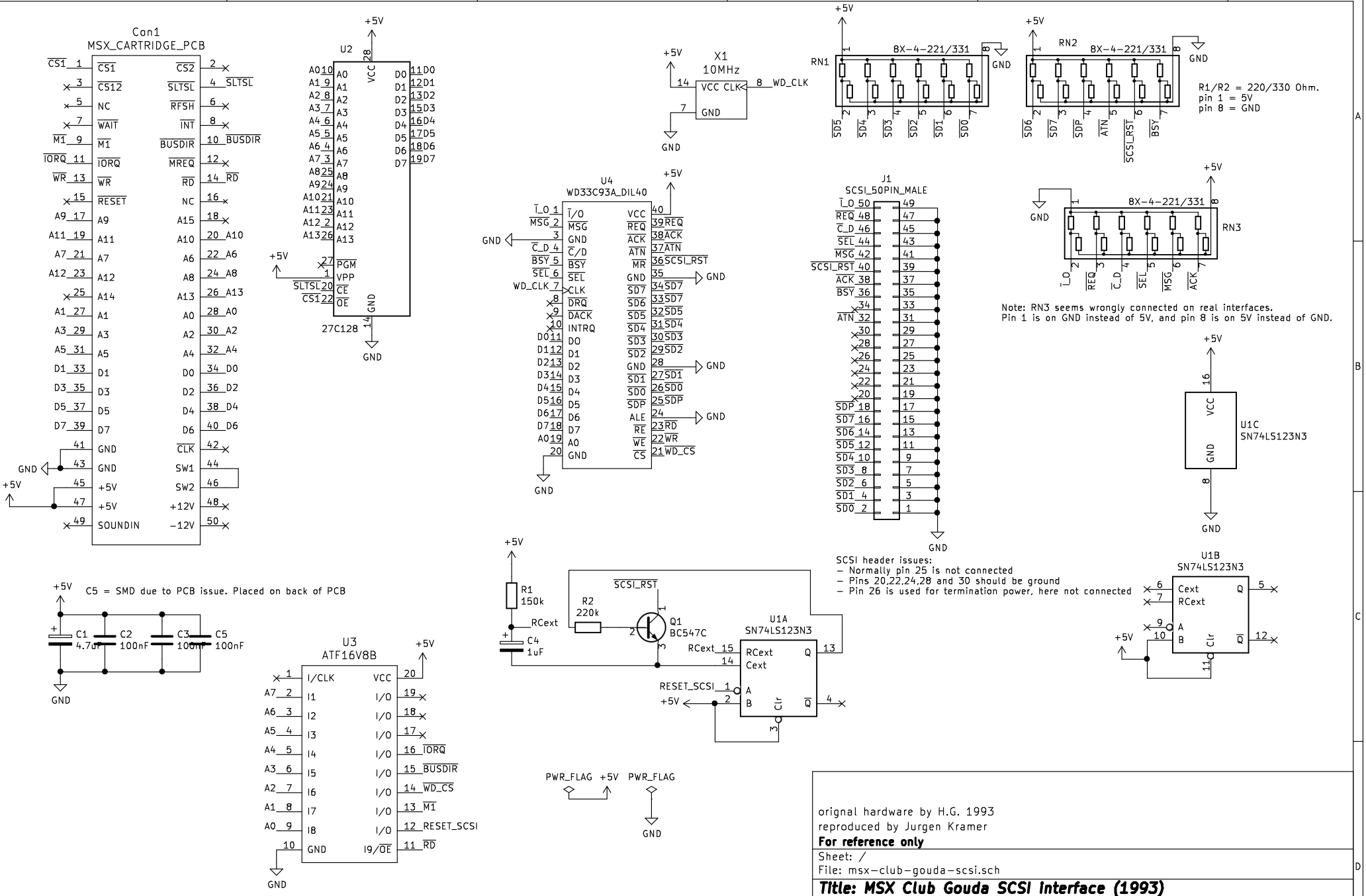
Con1
MSX_CARTRIDGE_PCB
U2
27C128
U4
WD33C93A_DIL40
X1
10MHz
RN1
RN2
RN3
8X-4-221/331
R1/R2 = 220/330 Ohm.
pin 1 = 5V
pin 8 = GND
J1
SCSI_50PIN_MALE
Note: RN3 seems wrongly connected on real interfaces.
Pin 1 is on GND instead of 5V, and pin 8 is on 5V instead of GND.
U1C
SN74LS123N3
SCSI header issues:
- Normally pin 25 is not connected
- Pins 20,22,24,28 and 30 should be ground
- Pin 26 is used for termination power, here not connected
U1B
SN74LS123N3
C5 = SMD due to PCB issue. Placed on back of PCB
C1 4.7uF
C2 100nF
C3 100nF
C5 100nF
U3
ATF16V8B
R1 150k
R2 220k
C4 1uF
Q1 BC547C
U1A
SN74LS123N3
RESET_SCSI
PWR_FLAG
orignal hardware by H.G. 1993
reproduced by Jurgen Kramer
For reference only
Sheet: /
File: msx-club-gouda-scsi.sch
Title: MSX Club Gouda SCSI Interface (1993)
Size: A4
Date: 2020-06-26
Rev: 1.0
KiCad E.D.A. kicad 5.1.6-1.fc31
Id: 1/1