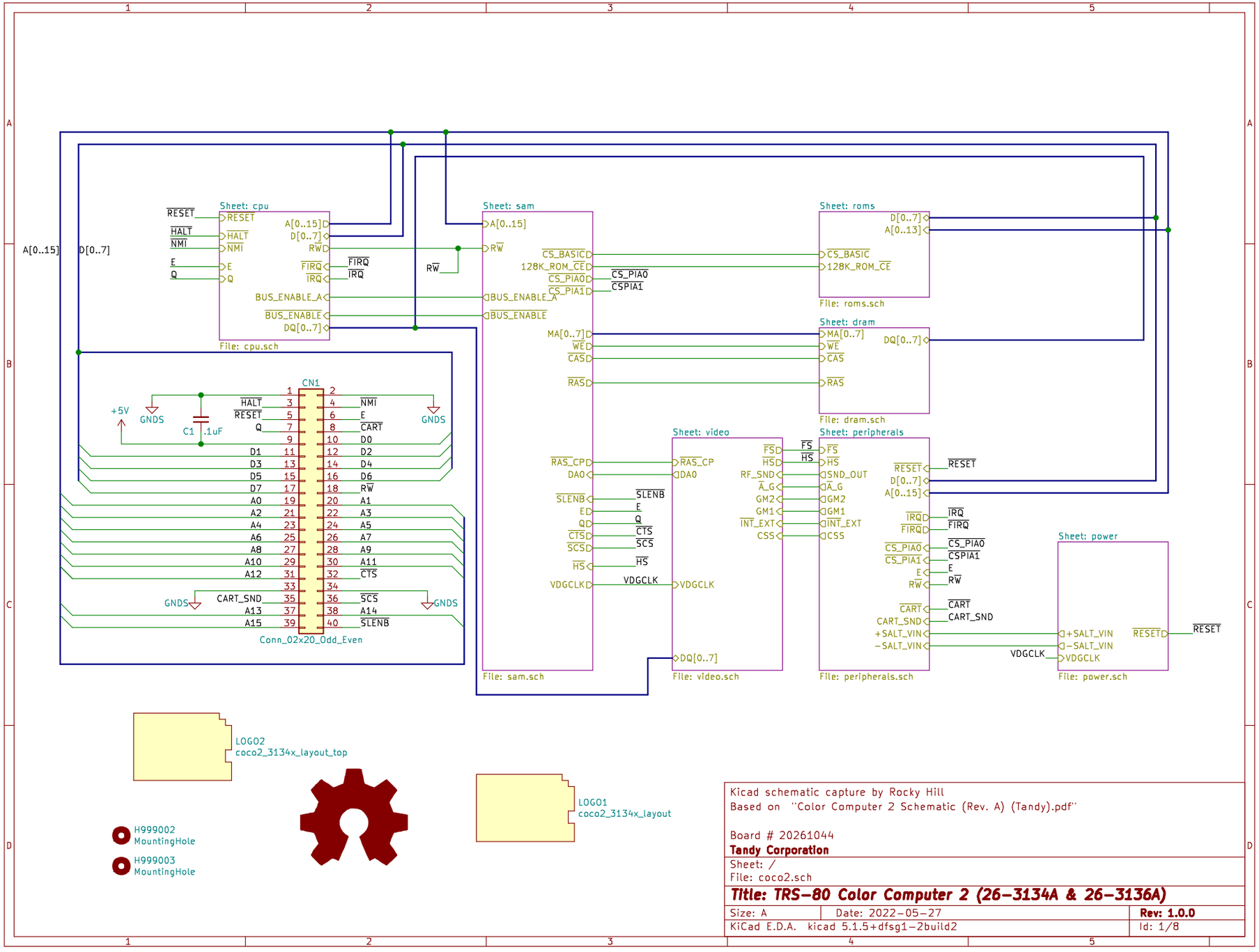
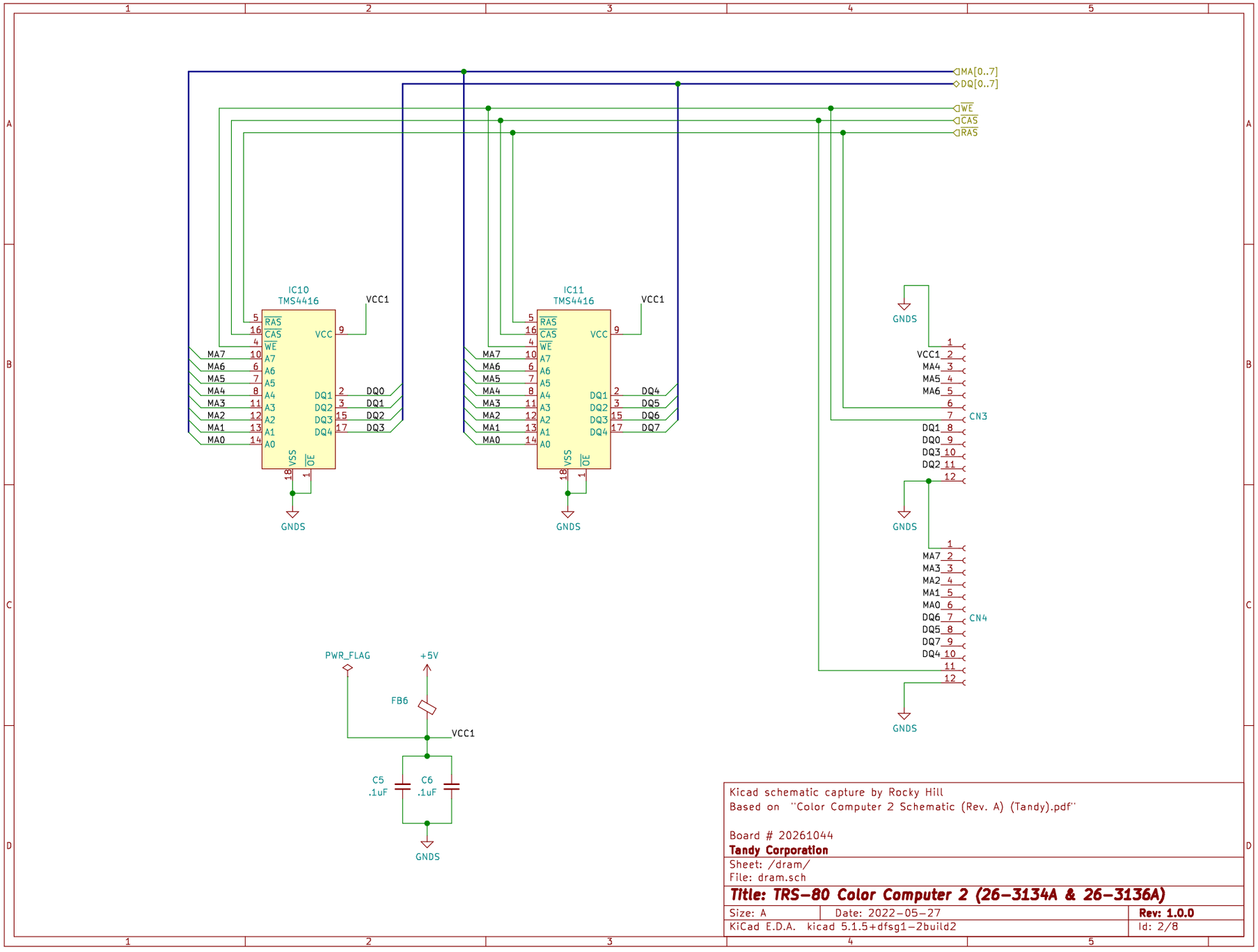

Sheet: cpu
File: cpu.sch
Sheet: sam
File: sam.sch
Sheet: roms
File: roms.sch
Sheet: dram
File: dram.sch
Sheet: video
File: video.sch
Sheet: peripherals
File: peripherals.sch
Sheet: power
File: power.sch
CN1
Conn_02x20_Odd_Even
A[0..15]
D[0..7]
RESET
HALT
NMI
E
Q
RW
FIRQ
IRQ
BUS_ENABLE_A
BUS_ENABLE
DQ[0..7]
CS_BASIC
128K_ROM_CE
CS_PIA0
CS_PIA1
MA[0..7]
WE
CAS
RAS
RAS_CP
DA0
SLENB
CTS
SCS
HS
VDGCLK
FS
HS
RF_SND
A_G
GM2
GM1
INT_EXT
CSS
SND_OUT
CART
CART_SND
+SALT_VIN
-SALT_VIN
+5V
GNDS
C1 .1uF
LOGO2
coco2_3134x_layout_top
LOGO1
coco2_3134x_layout
H999002
MountingHole
H999003
MountingHole
Kicad schematic capture by Rocky Hill
Based on "Color Computer 2 Schematic (Rev. A) (Tandy).pdf"
Board # 20261044
Tandy Corporation
Sheet: /
File: coco2.sch
Title: TRS-80 Color Computer 2 (26-3134A & 26-3136A)
Size: A
Date: 2022-05-27
Rev: 1.0.0
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2
Id: 1/8



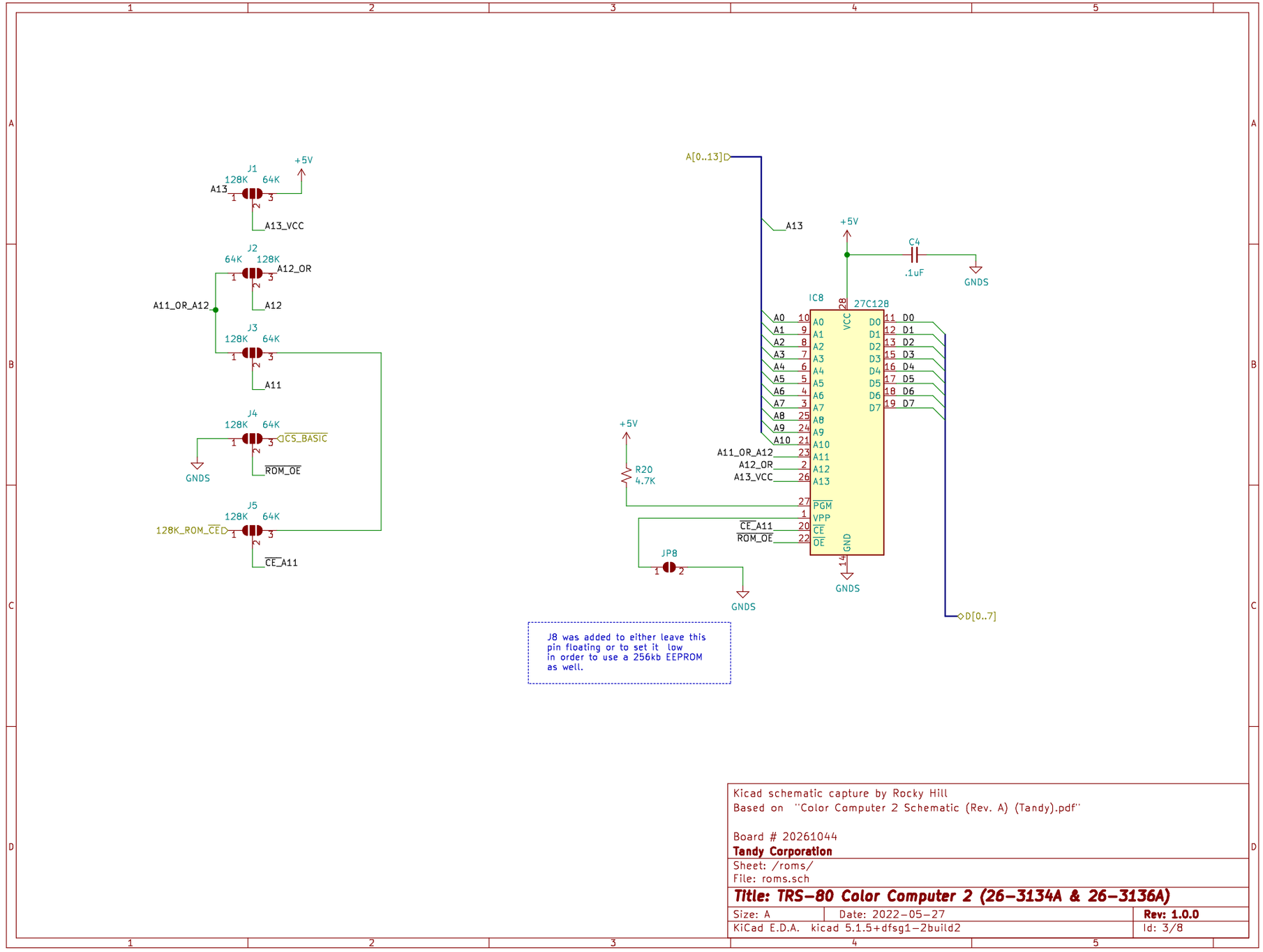

Kicad schematic capture by Rocky Hill
Based on "Color Computer 2 Schematic (Rev. A) (Tandy).pdf"

Board # 20261044
**Tandy Corporation**

Sheet: /dram/
File: dram.sch

**Title: TRS-80 Color Computer 2 (26-3134A & 26-3136A)**

| Size: A | Date: 2022-05-27 | **Rev: 1.0.0** |
|---|---|---|
| KiCad E.D.A. kicad 5.1.5+dfsg1-2build2 | | Id: 2/8 |



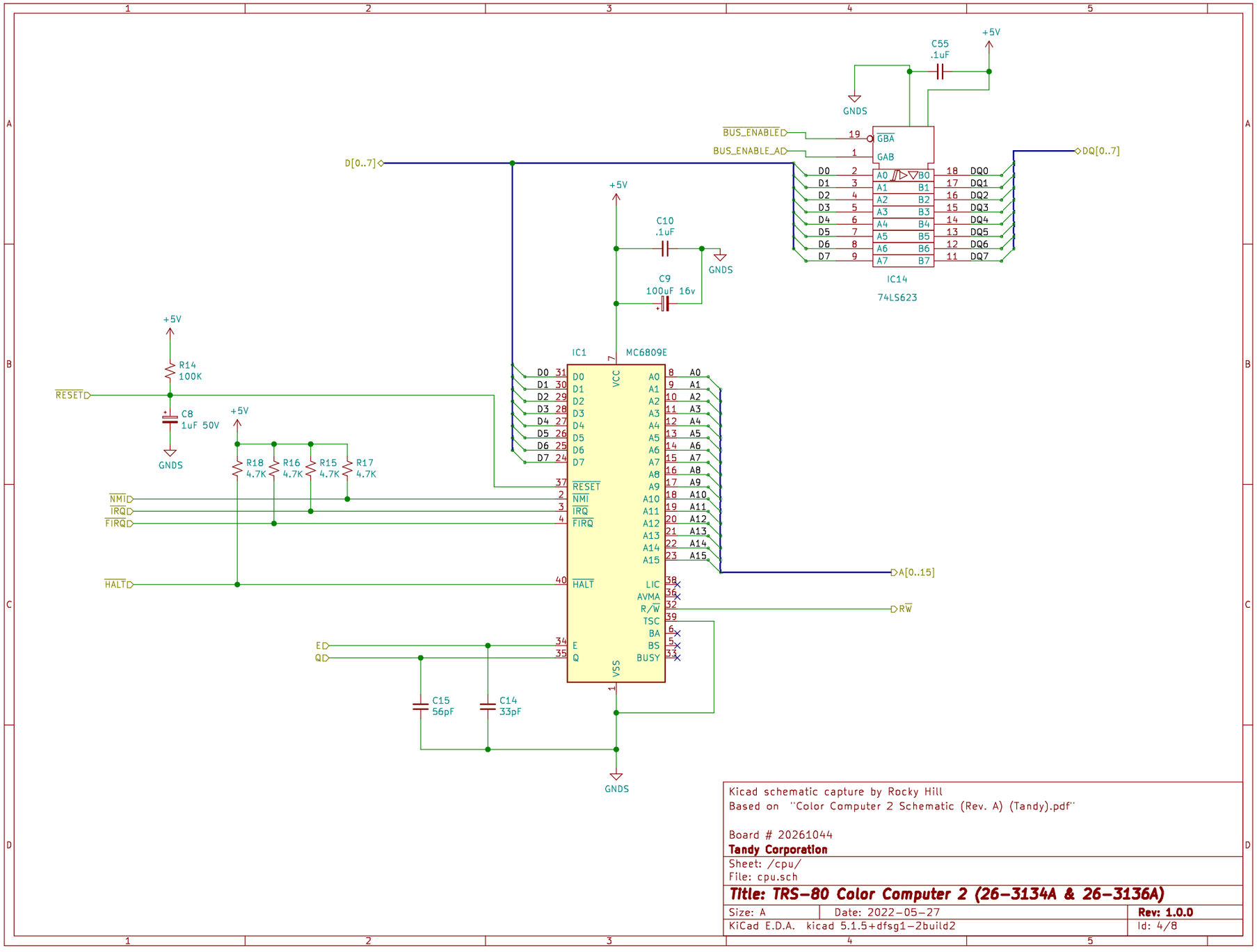

Kicad schematic capture by Rocky Hill
Based on "Color Computer 2 Schematic (Rev. A) (Tandy).pdf"

Board # 20261044
**Tandy Corporation**

Sheet: /roms/
File: roms.sch

**Title: TRS-80 Color Computer 2 (26-3134A & 26-3136A)**

| Size: A | Date: 2022-05-27 | **Rev: 1.0.0** |
|---|---|---|
| KiCad E.D.A. kicad 5.1.5+dfsg1-2build2 | | Id: 3/8 |



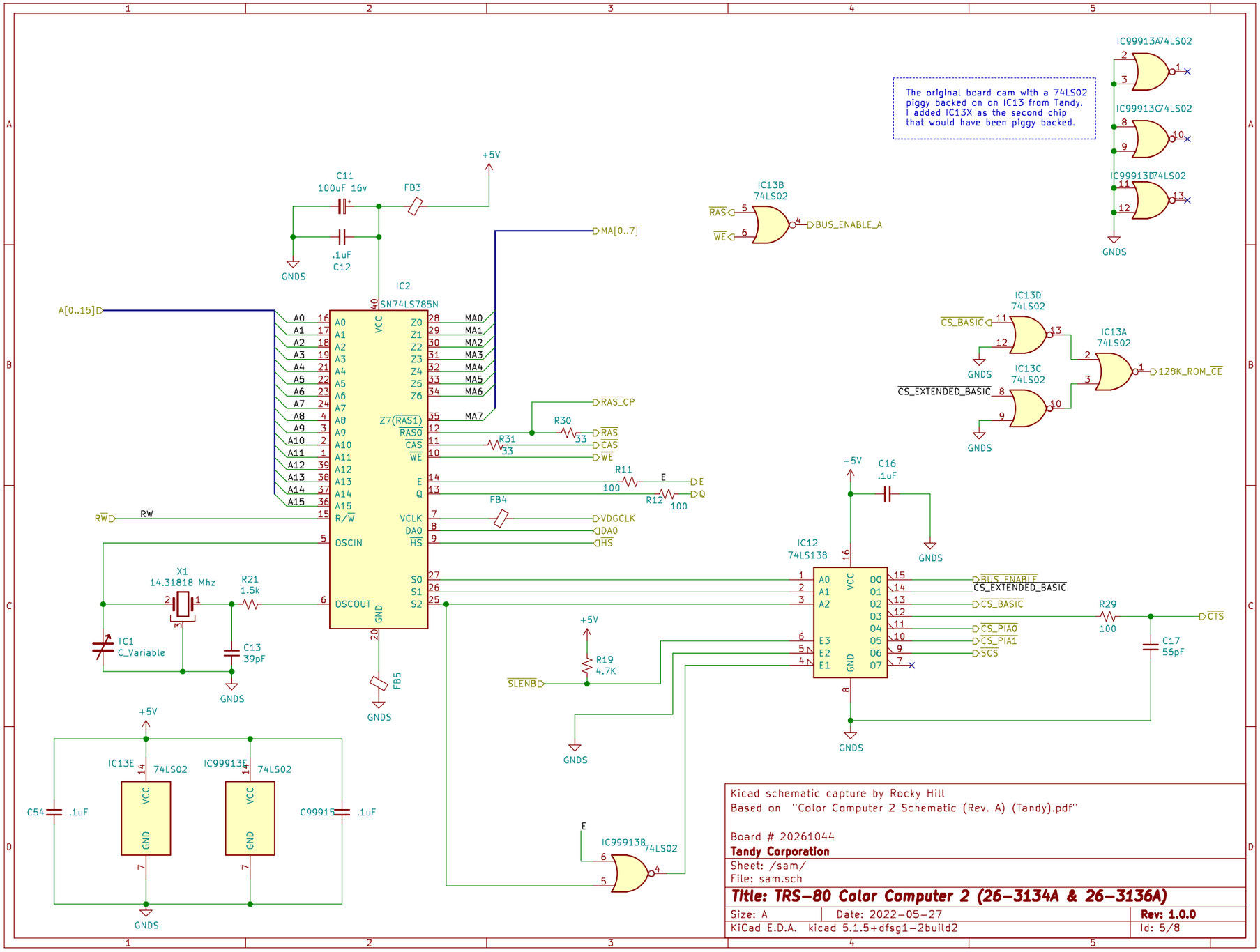

Kicad schematic capture by Rocky Hill
Based on "Color Computer 2 Schematic (Rev. A) (Tandy).pdf"

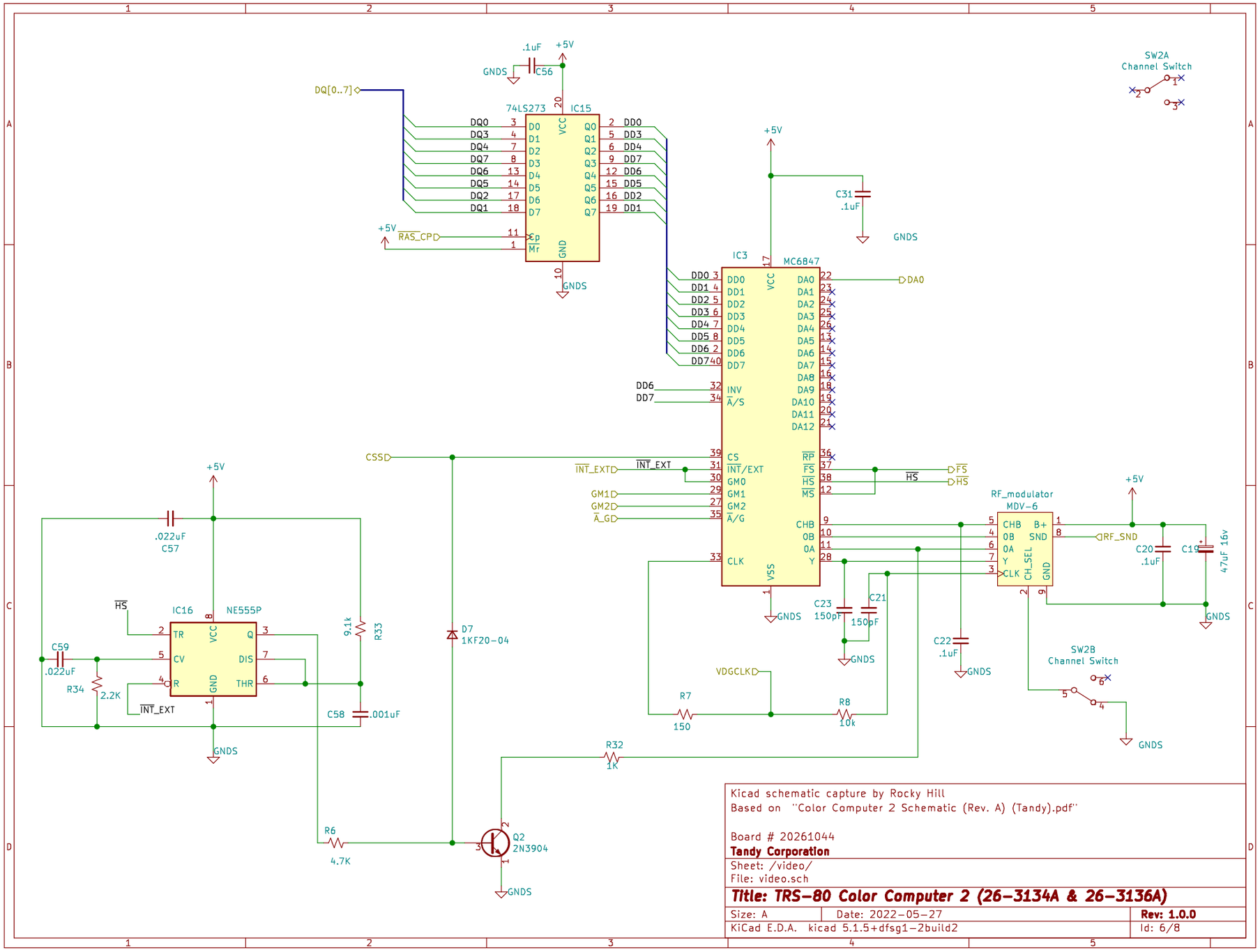
Board # 20261044
**Tandy Corporation**

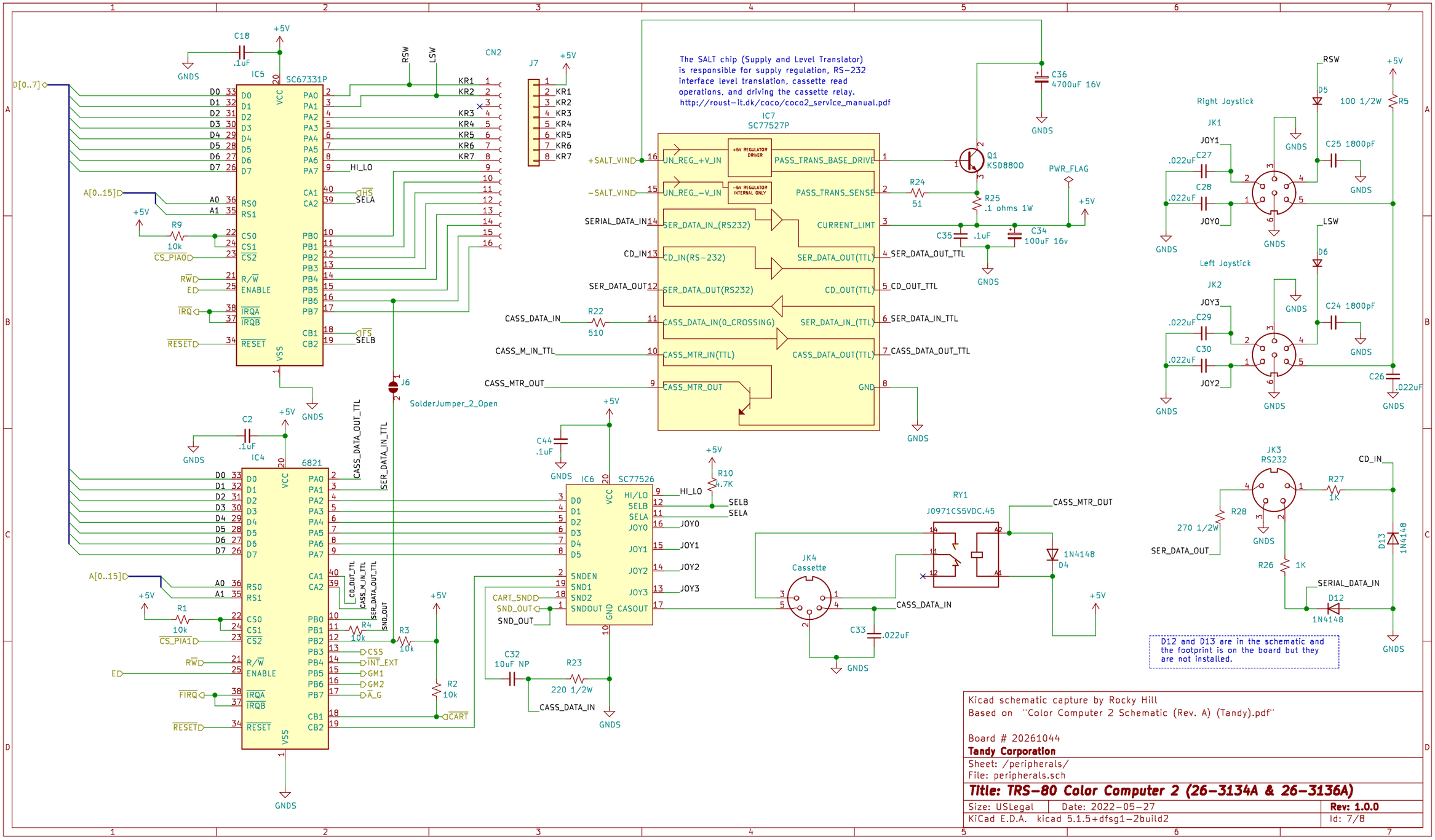
Sheet: /cpu/
File: cpu.sch

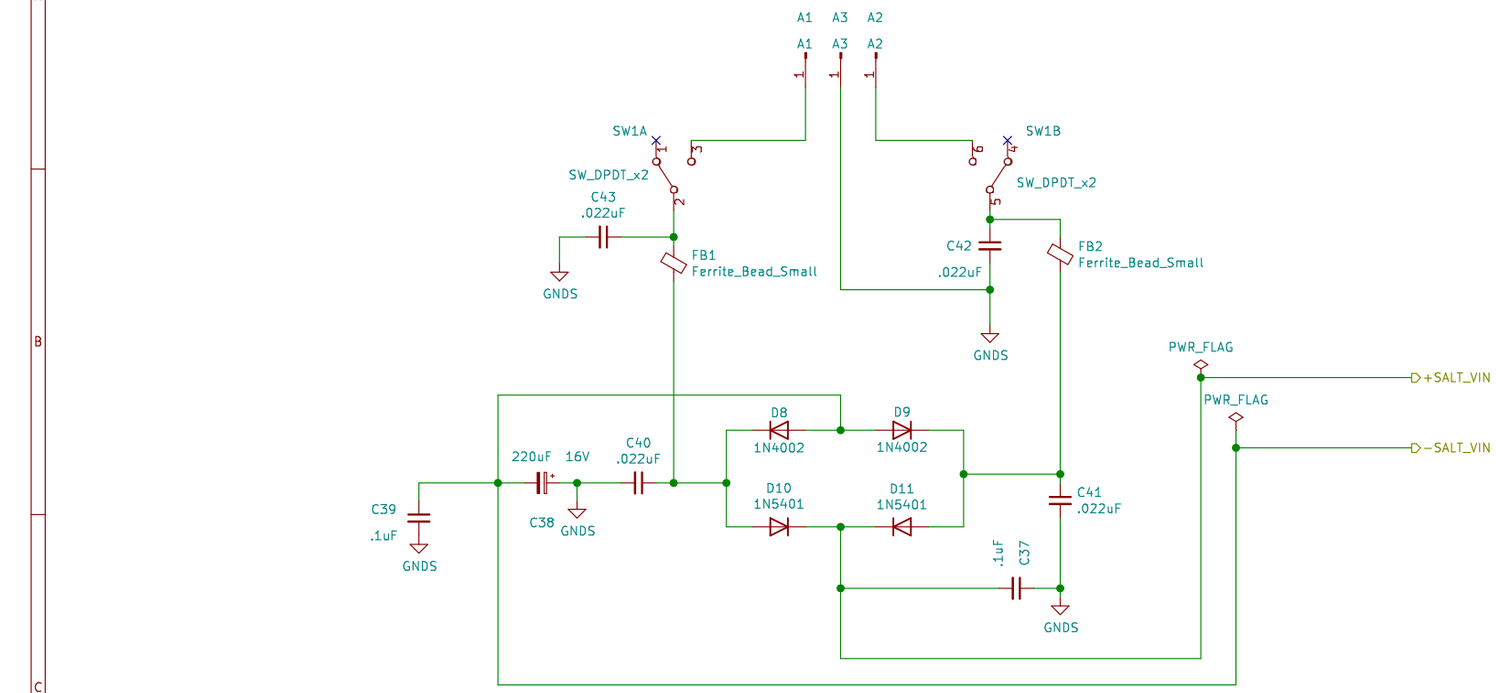
# Title: TRS-80 Color Computer 2 (26-3134A & 26-3136A)

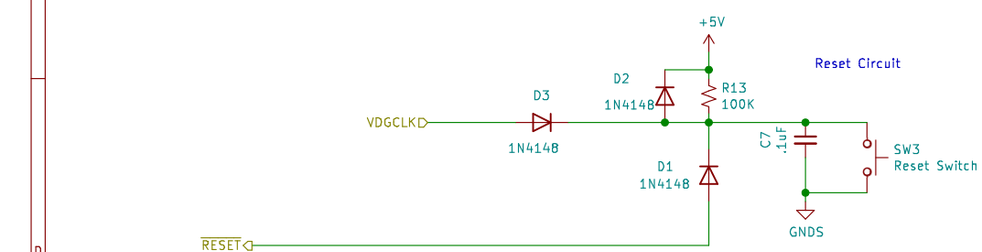
| Size: A | Date: 2022-05-27 | **Rev: 1.0.0** |
|---|---|---|
| KiCad E.D.A. kicad 5.1.5+dfsg1-2build2 | | Id: 4/8 |


The original board cam with a 74LS02 piggy backed on on IC13 from Tandy. I added IC13X as the second chip that would have been piggy backed.
IC99913A 74LS02
IC99913C 74LS02
IC99913D 74LS02
GNDS
IC13B 74LS02
RAS
WE
BUS_ENABLE_A
+5V
C11 100uF 16v
FB3
.1uF C12
MA[0..7]
IC2 SN74LS785N
A[0..15]
A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14 A15
MA0 MA1 MA2 MA3 MA4 MA5 MA6 MA7
Z7(RAS1)
RAS0
CAS
WE
RAS_CP
R30 33
R31 33
RAS
CAS
WE
R11 100
R12 100
E
Q
FB4
VDGCLK
DA0
HS
R/W
RW
OSCIN
OSCOUT
VCC
GND
X1 14.31818 Mhz
R21 1.5k
TC1 C_Variable
C13 39pF
FB5
IC13D 74LS02
IC13A 74LS02
IC13C 74LS02
CS_BASIC
CS_EXTENDED_BASIC
128K_ROM_CE
C16 .1uF
IC12 74LS138
A0 A1 A2
E3 E2 E1
O0 O1 O2 O3 O4 O5 O6 O7
BUS_ENABLE
CS_EXTENDED_BASIC
CS_BASIC
CS_PIA0
CS_PIA1
SCS
R29 100
CTS
C17 56pF
R19 4.7K
SLENB
IC13E 74LS02
IC99913F 74LS02
C54 .1uF
C99915 .1uF
IC99913B 74LS02
Kicad schematic capture by Rocky Hill
Based on "Color Computer 2 Schematic (Rev. A) (Tandy).pdf"
Board # 20261044
Tandy Corporation
Sheet: /sam/
File: sam.sch
Title: TRS-80 Color Computer 2 (26-3134A & 26-3136A)
Size: A
Date: 2022-05-27
Rev: 1.0.0
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2
Id: 5/8


SW2A
Channel Switch
.1uF
+5V
GNDS
C56
DQ[0..7]
74LS273
IC15
DQ0
DQ3
DQ4
DQ7
DQ6
DQ5
DQ2
DQ1
D0
D1
D2
D3
D4
D5
D6
D7
VCC
GND
Q0
Q1
Q2
Q3
Q4
Q5
Q6
Q7
DD0
DD3
DD4
DD7
DD6
DD5
DD2
DD1
+5V
RAS_CP
Cp
Mr
C31
.1uF
GNDS
IC3
MC6847
DD0
DD1
DD2
DD3
DD4
DD5
DD6
DD7
INV
A/S
CS
INT/EXT
GM0
GM1
GM2
A/G
CLK
VCC
VSS
DA0
DA1
DA2
DA3
DA4
DA5
DA6
DA7
DA8
DA9
DA10
DA11
DA12
RP
FS
HS
MS
CHB
0B
0A
Y
DA0
CSS
INT_EXT
GM1
GM2
A_G
HS
FS
RF_modulator
MDV-6
CHB
0B
0A
Y
CLK
CH_SEL
B+
SND
GND
RF_SND
C20
.1uF
C19
47uF 16v
C23
150pF
C21
150pF
C22
.1uF
VDGCLK
R7
150
R8
10k
SW2B
Channel Switch
.022uF
C57
IC16
NE555P
TR
CV
R
Q
DIS
THR
VCC
GND
9.1k
R33
C59
.022uF
R34
2.2K
INT_EXT
C58
.001uF
D7
1KF20-04
R32
1K
R6
4.7K
Q2
2N3904
Kicad schematic capture by Rocky Hill
Based on "Color Computer 2 Schematic (Rev. A) (Tandy).pdf"
Board # 20261044
Tandy Corporation
Sheet: /video/
File: video.sch
Title: TRS-80 Color Computer 2 (26-3134A & 26-3136A)
Size: A
Date: 2022-05-27
Rev: 1.0.0
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2
Id: 6/8


The SALT chip (Supply and Level Translator)
is responsible for supply regulation, RS-232
interface level translation, cassette read
operations, and driving the cassette relay.
http://roust-it.dk/coco/coco2_service_manual.pdf
IC5
SC67331P
IC7
SC77527P
IC4
6821
IC6
SC77526
CN2
J7
J6
SolderJumper_2_Open
JK1
Right Joystick
JK2
Left Joystick
JK3
RS232
JK4
Cassette
RY1
J0971CS5VDC.45
Q1
KSD880O
D1 and D13 are in the schematic and
the footprint is on the board but they
are not installed.
Kicad schematic capture by Rocky Hill
Based on "Color Computer 2 Schematic (Rev. A) (Tandy).pdf"
Board # 20261044
Tandy Corporation
Sheet: /peripherals/
File: peripherals.sch
Title: TRS-80 Color Computer 2 (26-3134A & 26-3136A)
Size: USLegal
Date: 2022-05-27
Rev: 1.0.0
KiCad E.D.A. kicad 5.1.5+dfsg1-2build2
Id: 7/8




Kicad schematic capture by Rocky Hill
Based on "Color Computer 2 Schematic (Rev. A) (Tandy).pdf"

Board # 20261044
**Tandy Corporation**

Sheet: /power/
File: power.sch

**Title: TRS-80 Color Computer 2 (26-3134A & 26-3136A)**

| Size: A | Date: 2022-05-27 | **Rev: 1.0.0** |
|---|---|---|
| KiCad E.D.A. kicad 5.1.5+dfsg1-2build2 | | Id: 8/8 |