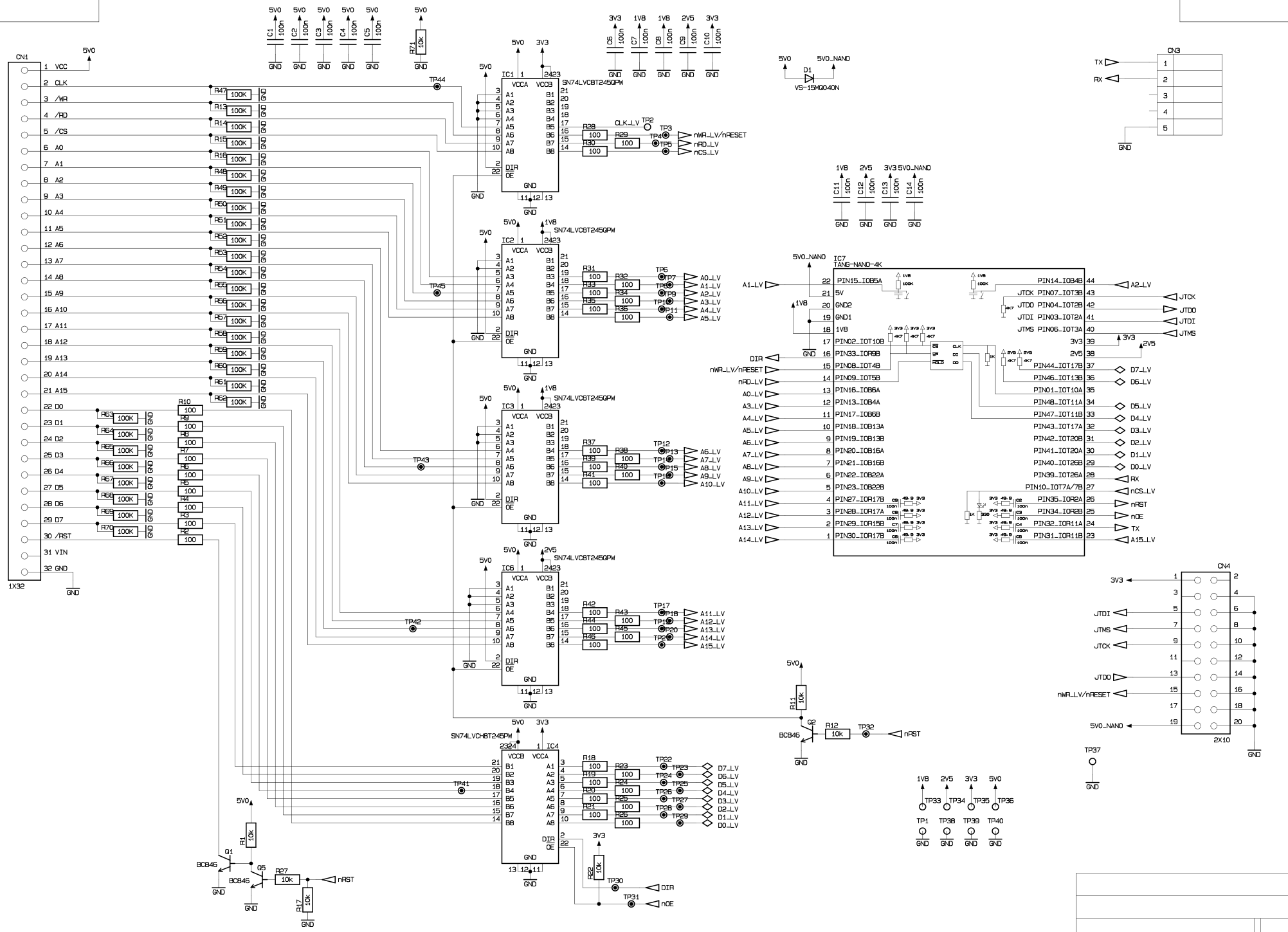
CN1
1X32
1 VCC
2 CLK
3 /WR
4 /RD
5 /CS
6 A0
7 A1
8 A2
9 A3
10 A4
11 A5
12 A6
13 A7
14 A8
15 A9
16 A10
17 A11
18 A12
19 A13
20 A14
21 A15
22 D0
23 D1
24 D2
25 D3
26 D4
27 D5
28 D6
29 D7
30 /RST
31 VIN
32 GND
5V0
GND
C1 100n
C2 100n
C3 100n
C4 100n
C5 100n
R71 10k
3V3
1V8
2V5
C6 100n
C7 100n
C8 100n
C9 100n
C10 100n
D1
VS-15MQ040N
5V0_NANO
CN3
TX
RX
C11 100n
C12 100n
C13 100n
C14 100n
IC1
IC2
IC3
IC6
IC4
SN74LVC8T245QPW
SN74LVCH8T245PW
VCCA
VCCB
DIR
OE
CLK_LV
nWR_LV/nRESET
nRD_LV
nCS_LV
A0_LV
A1_LV
A2_LV
A3_LV
A4_LV
A5_LV
A6_LV
A7_LV
A8_LV
A9_LV
A10_LV
A11_LV
A12_LV
A13_LV
A14_LV
A15_LV
D7_LV
D6_LV
D5_LV
D4_LV
D3_LV
D2_LV
D1_LV
D0_LV
nRST
TP44
TP45
TP43
TP42
TP41
R47 100K
R13 100K
R14 100K
R15 100K
R16 100K
R48 100K
R49 100K
R50 100K
R51 100K
R52 100K
R53 100K
R54 100K
R55 100K
R56 100K
R57 100K
R58 100K
R59 100K
R60 100K
R61 100K
R62 100K
R63 100K
R64 100K
R65 100K
R66 100K
R67 100K
R68 100K
R69 100K
R70 100K
R10 100
R9 100
R8 100
R7 100
R6 100
R5 100
R4 100
R3 100
R2 100
R28 100
R29 100
R30 100
R31 100
R32 100
R33 100
R34 100
R35 100
R36 100
R37 100
R38 100
R39 100
R40 100
R41 100
R42 100
R43 100
R44 100
R45 100
R46 100
R18 100
R23 100
R19 100
R24 100
R20 100
R25 100
R21 100
R26 100
R22 10k
R1 10k
R27 10k
R17 10k
R11 10k
R12 10k
Q1
Q5
Q2
BC846
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TP10
TP11
TP12
TP13
TP14
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TP27
TP28
TP29
TP30
TP31
TP32
TP33
TP34
TP35
TP36
TP37
TP38
TP39
TP40
IC7
TANG-NANO-4K
PIN15_IOB5A
5V
GND2
GND1
1V8
PIN02_IOT10B
PIN33_IOR9B
PIN08_IOT4B
PIN09_IOT5B
PIN16_IOB6A
PIN13_IOB4A
PIN17_IOB6B
PIN18_IOB13A
PIN19_IOB13B
PIN20_IOB16A
PIN21_IOB16B
PIN22_IOB22A
PIN23_IOB22B
PIN27_IOR17B
PIN28_IOR17A
PIN29_IOR15B
PIN30_IOR17B
PIN14_IOB4B
JTCK PIN07_IOT3B
JTDO PIN04_IOT2B
JTDI PIN03_IOT2A
JTMS PIN06_IOT3A
3V3
2V5
PIN44_IOT17B
PIN46_IOT13B
PIN01_IOT10A
PIN48_IOT11A
PIN47_IOT11B
PIN43_IOT17A
PIN42_IOT20B
PIN41_IOT20A
PIN40_IOT26B
PIN39_IOT26A
PIN10_IOT7A/7B
PIN35_IOR2A
PIN34_IOR2B
PIN32_IOR11A
PIN31_IOR11B
A1_LV
A2_LV
D7_LV
D6_LV
D5_LV
D4_LV
D3_LV
D2_LV
D1_LV
D0_LV
nCS_LV
nRST
nOE
TX
A15_LV
JTCK
JTDO
JTDI
JTMS
CN4
2X10
nWR_LV/nRESET
5V0_NANO