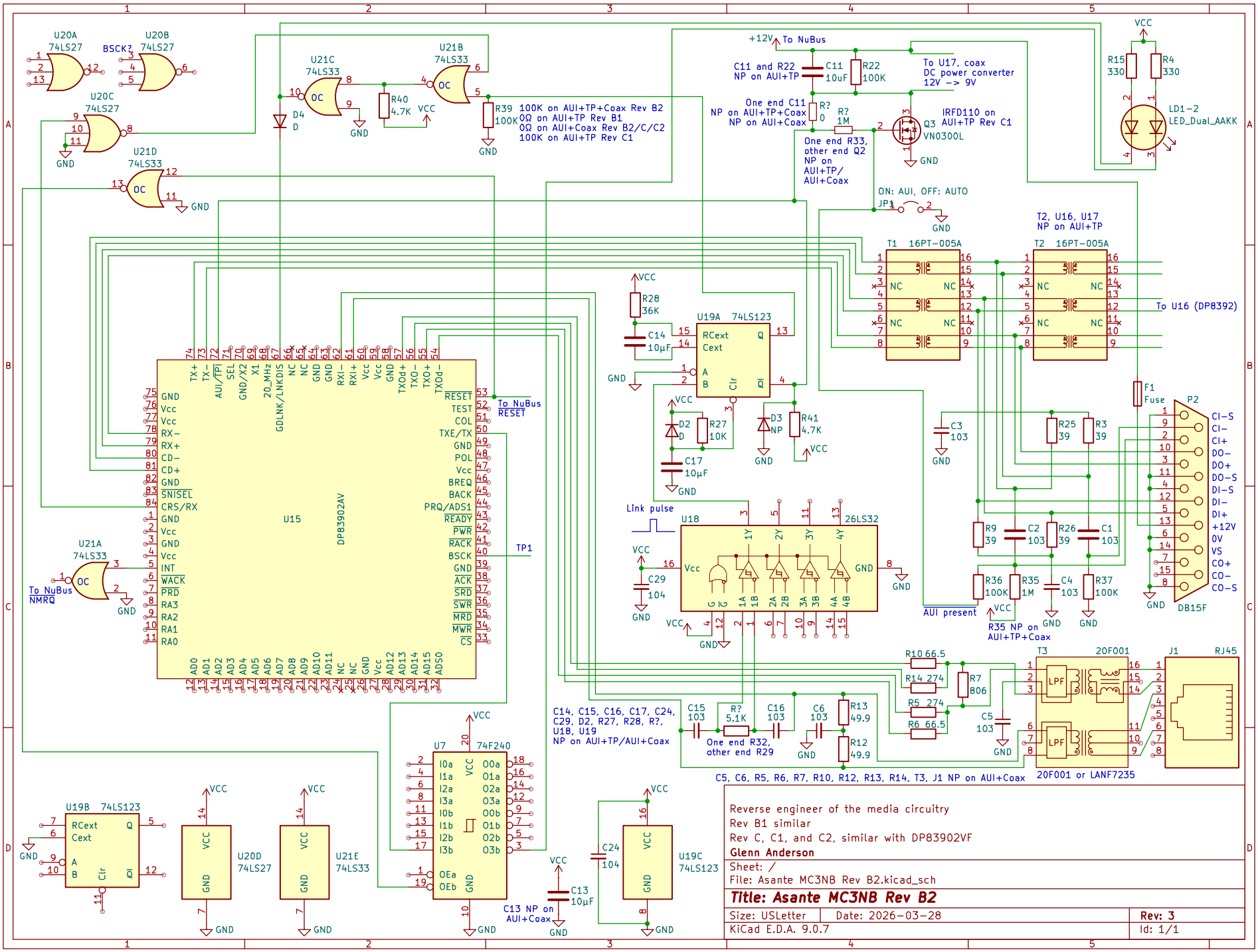
U20A 74LS27
U20B 74LS27
BSCK?
U20C 74LS27
U21C 74LS33
U21B 74LS33
U21D 74LS33
R40 4.7K
VCC
D4 D
R39 100K
100K on AUI+TP+Coax Rev B2
0Ω on AUI+TP Rev B1
0Ω on AUI+Coax Rev B2/C/C2
100K on AUI+TP Rev C1
+12V
To NuBus
C11 and R22 NP on AUI+TP
C11 10uF
R22 100K
To U17, coax DC power converter 12V -> 9V
One end C11 NP on AUI+TP+Coax NP on AUI+Coax
R? 0
R? 1M
IRFD110 on AUI+TP Rev C1
Q3 VN0300L
One end R33, other end Q2 NP on AUI+TP/ AUI+Coax
ON: AUI, OFF: AUTO
JP1
R15 330
R4 330
LD1-2 LED_Dual_AAKK
T1 16PT-005A
T2 16PT-005A
T2, U16, U17 NP on AUI+TP
To U16 (DP8392)
U15 DP83902AV
TP1
To NuBus RESET
U21A 74LS33
To NuBus NMRQ
R28 36K
C14 10µF
U19A 74LS123
D2 D
R27 10K
C17 10µF
D3 NP
R41 4.7K
C3 103
R25 39
R3 39
F1 Fuse
P2
DB15F
Link pulse
U18 26LS32
C29 104
R9 39
C2 103
R26 39
C1 103
R36 100K
R35 1M
C4 103
R37 100K
AUI present
R35 NP on AUI+TP+Coax
R10 66.5
R14 274
R7 806
R5 274
R6 66.5
C5 103
T3 20F001
J1 RJ45
20F001 or LANF7235
C14, C15, C16, C17, C24, C29, D2, R27, R28, R?, U18, U19 NP on AUI+TP/AUI+Coax
C15 103
R? 5.1K
One end R32, other end R29
C16 103
C6 103
R13 49.9
R12 49.9
C5, C6, R5, R6, R7, R10, R12, R13, R14, T3, J1 NP on AUI+Coax
U7 74F240
U19B 74LS123
U20D 74LS27
U21E 74LS33
C13 10µF
C13 NP on AUI+Coax
C24 104
U19C 74LS123
Reverse engineer of the media circuitry
Rev B1 similar
Rev C, C1, and C2, similar with DP83902VF
Glenn Anderson
Sheet: /
File: Asante MC3NB Rev B2.kicad_sch
Title: Asante MC3NB Rev B2
Size: USLetter
Date: 2026-03-28
Rev: 3
KiCad E.D.A. 9.0.7
Id: 1/1