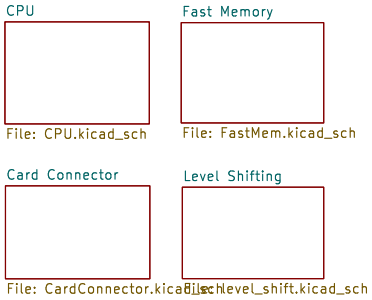
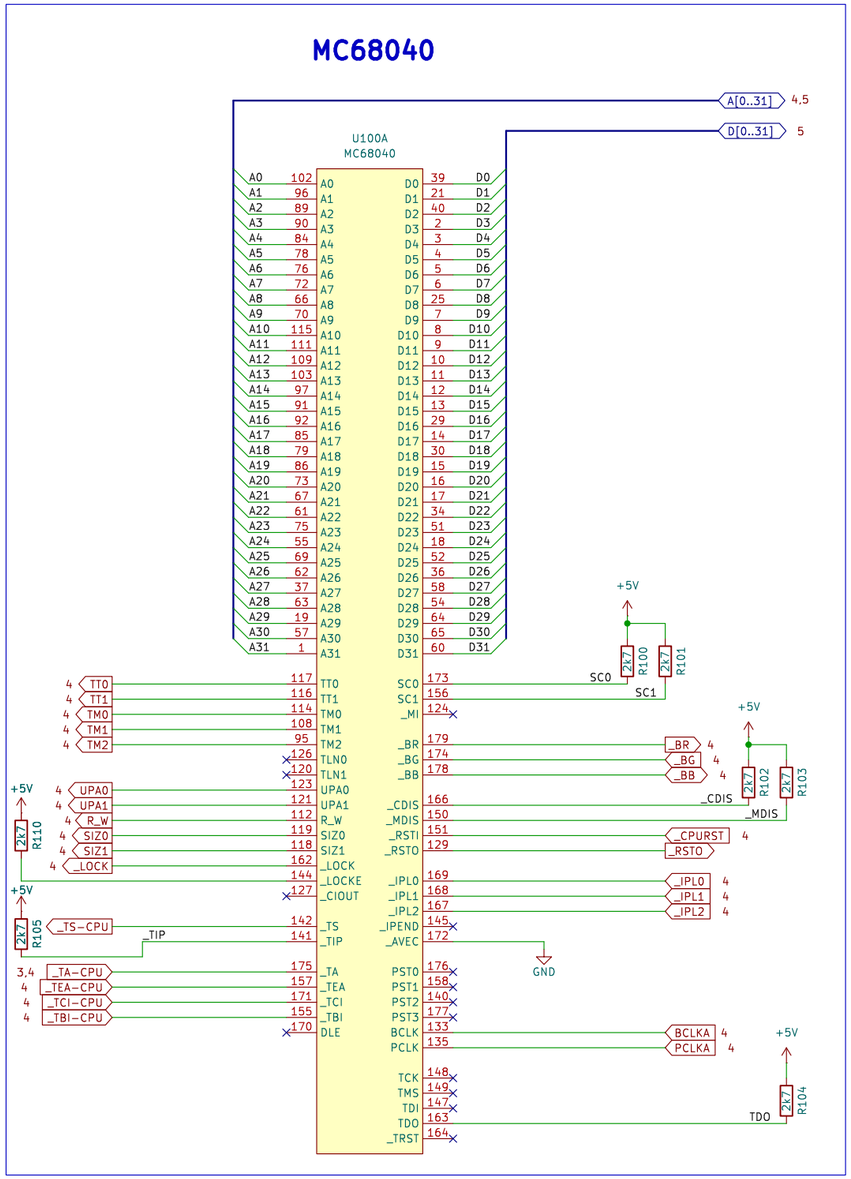


AmigaPCI CPU LOCAL BUS CARD
MC68040 + 128MB FAAAST RAM

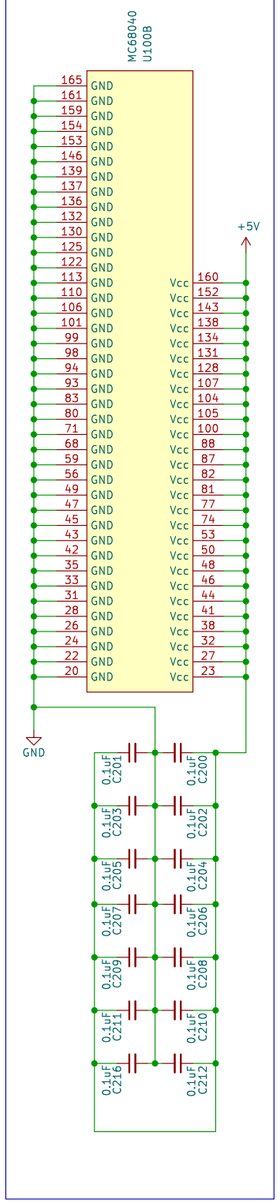
"THE BRAIN"

Sheet: /		
File: AmigaPCI 68040.kicad_sch		
Title: AmigaPCI 68040 Local Bus Card		
Size: A	Date: 2024-07-21	**Rev: 3.0**
KiCad E.D.A. 8.0.3		Id: 1/5

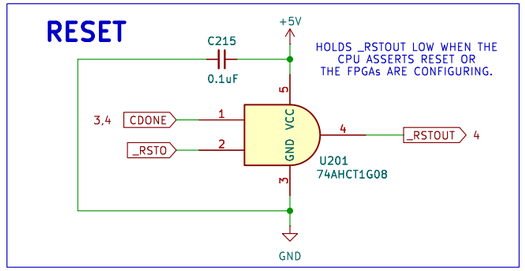
MC68040



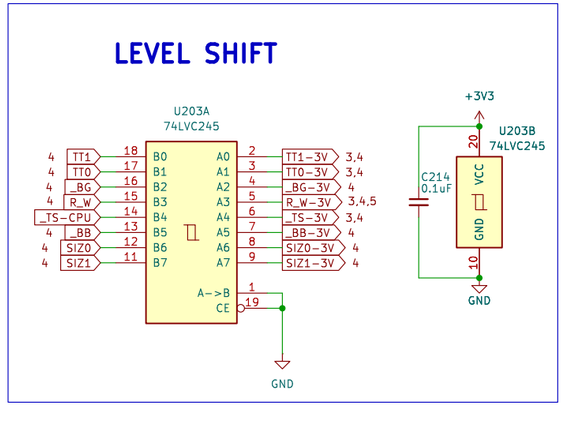
MC68040 POWER



RESET



LEVEL SHIFT



MC68040 PREFERED HEATSINK:
ATS-CPX060060025-132-C1-R0 x 1
ATS-HK127-R0 x 4

ALTERNATE HEATSINK:
BDN18-6CB/A01

CPU

Sheet: /CPU/
File: CPU.kicad_sch

Title: AmigaPCI 68040 Local Bus Card

Size: B	Date: 2024-07-21	**Rev: 3.0**
KiCad E.D.A. 8.0.3		Id: 2/5

SDRAM

BANK0

U401
SDRAM(16Mx32)

BANK1

U402
SDRAM(16Mx32)

RAM CONTROLLER

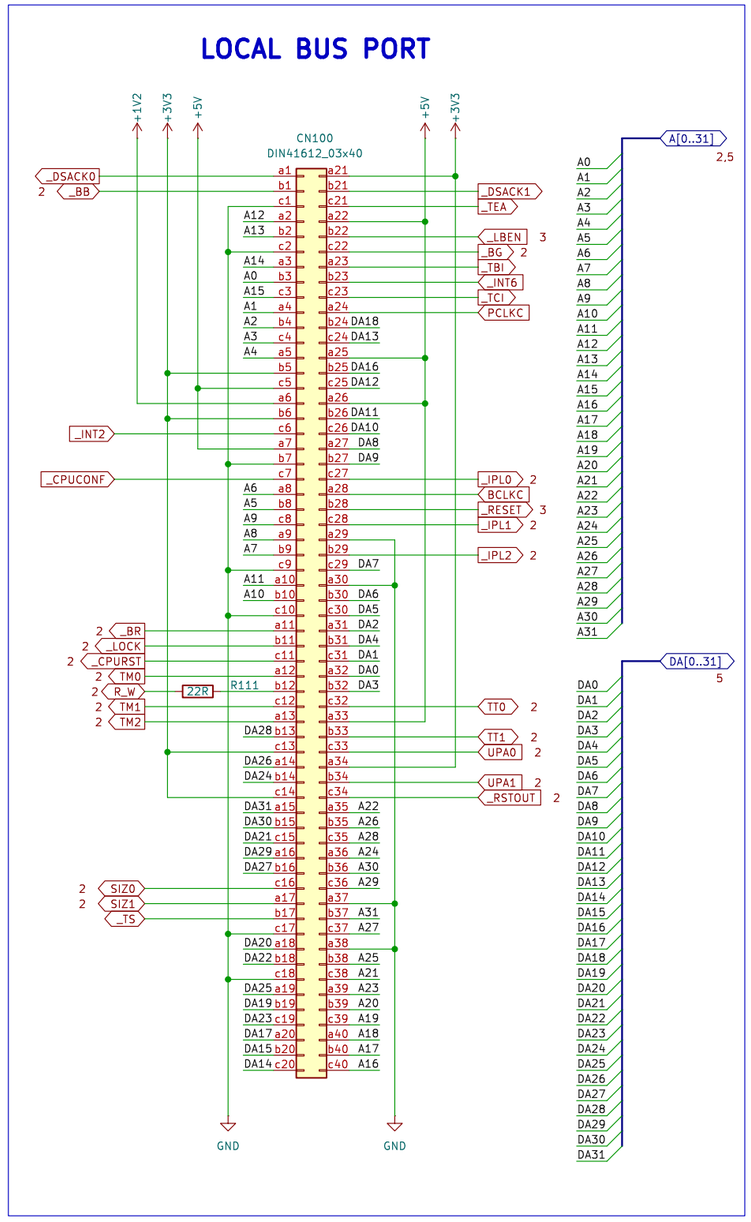
U400
ICE40HX1K-VQ100

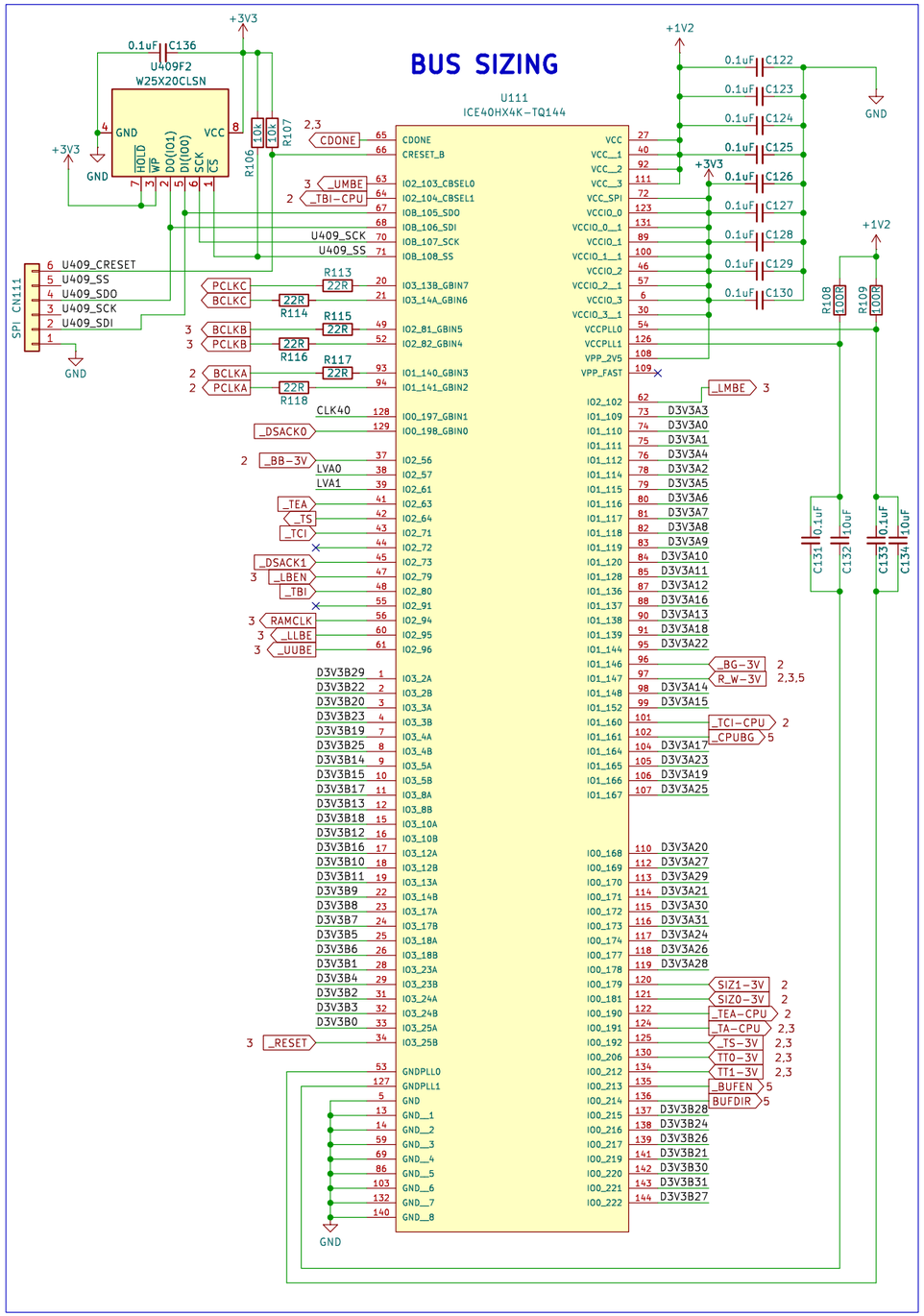
U400F1
W25X20CLSN

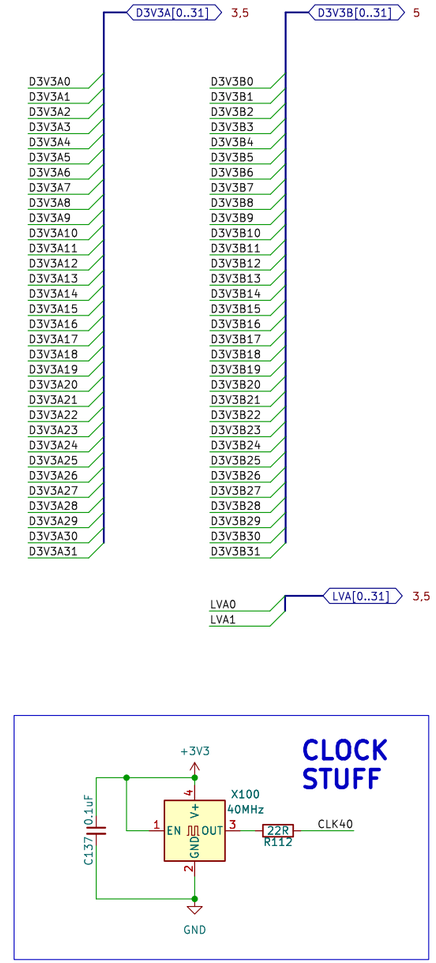
SPI CN400

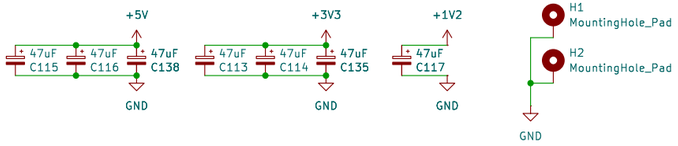
FAST MEMORY

Sheet: /Fast Memory/		
File: FastMem.kicad_sch		
Title: AmigaPCI 68040 Local Bus Card		
Size: B	Date: 2024-07-21	**Rev: 3.0**
KiCad E.D.A. 8.0.3		Id: 3/5









LOCAL BUS PORT, BUS SIZING, CLOCKS

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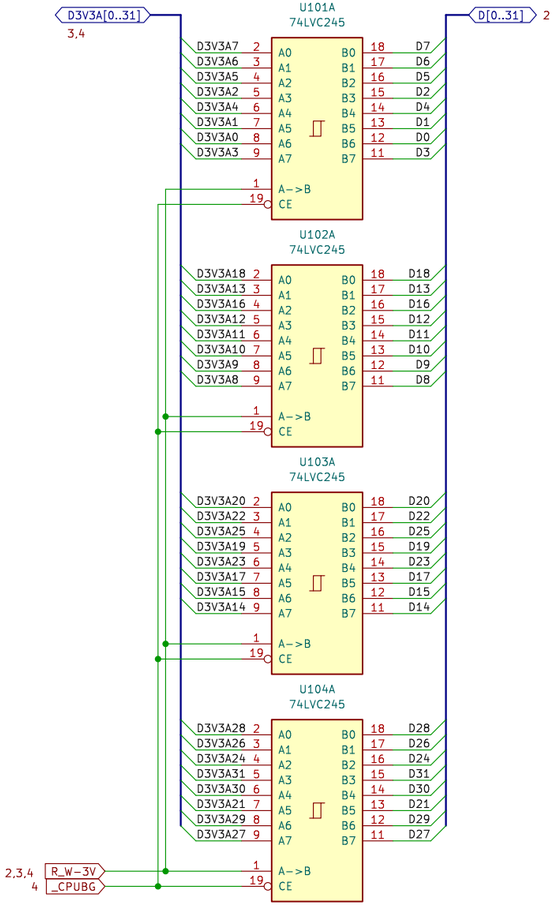
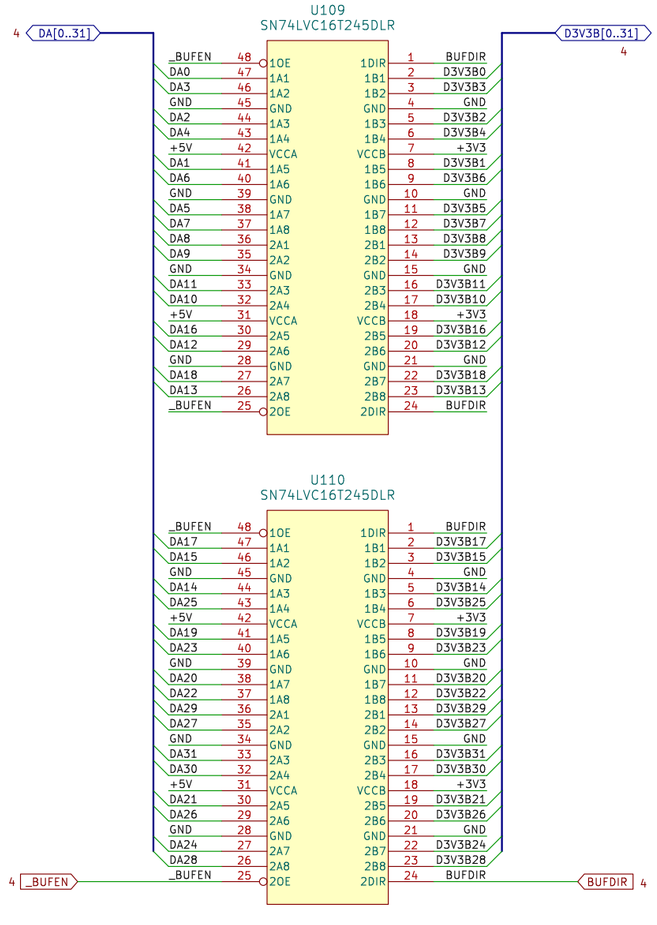
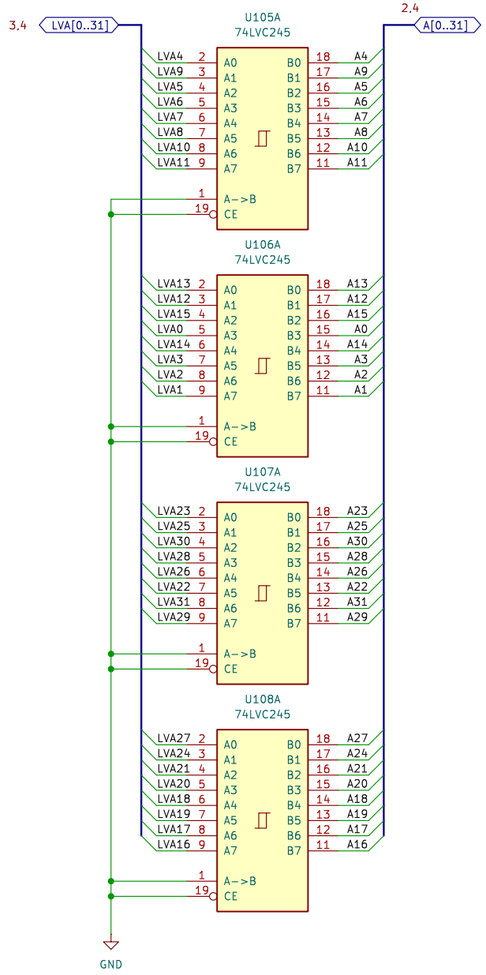
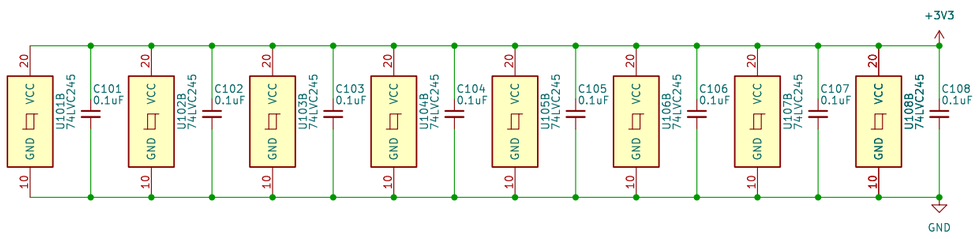
File: CardConnector.kicad_sch	
Title: AmigaPCI 68040 Local Bus Card	
Size: B	Date: 2024-07-21
KiCad E.D.A. 8.0.3	Id: 4/5

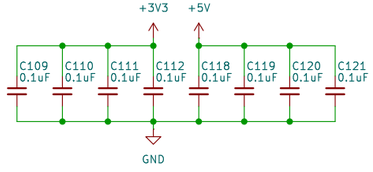
Rev: 3.0











LEVEL SHIFTING

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Title: AmigaPCI 68040 Local Bus Card

Size: USLedger	Date: 2024-07-21	**Rev: 3.0**
KiCad E.D.A. 8.0.3		Id: 5/5