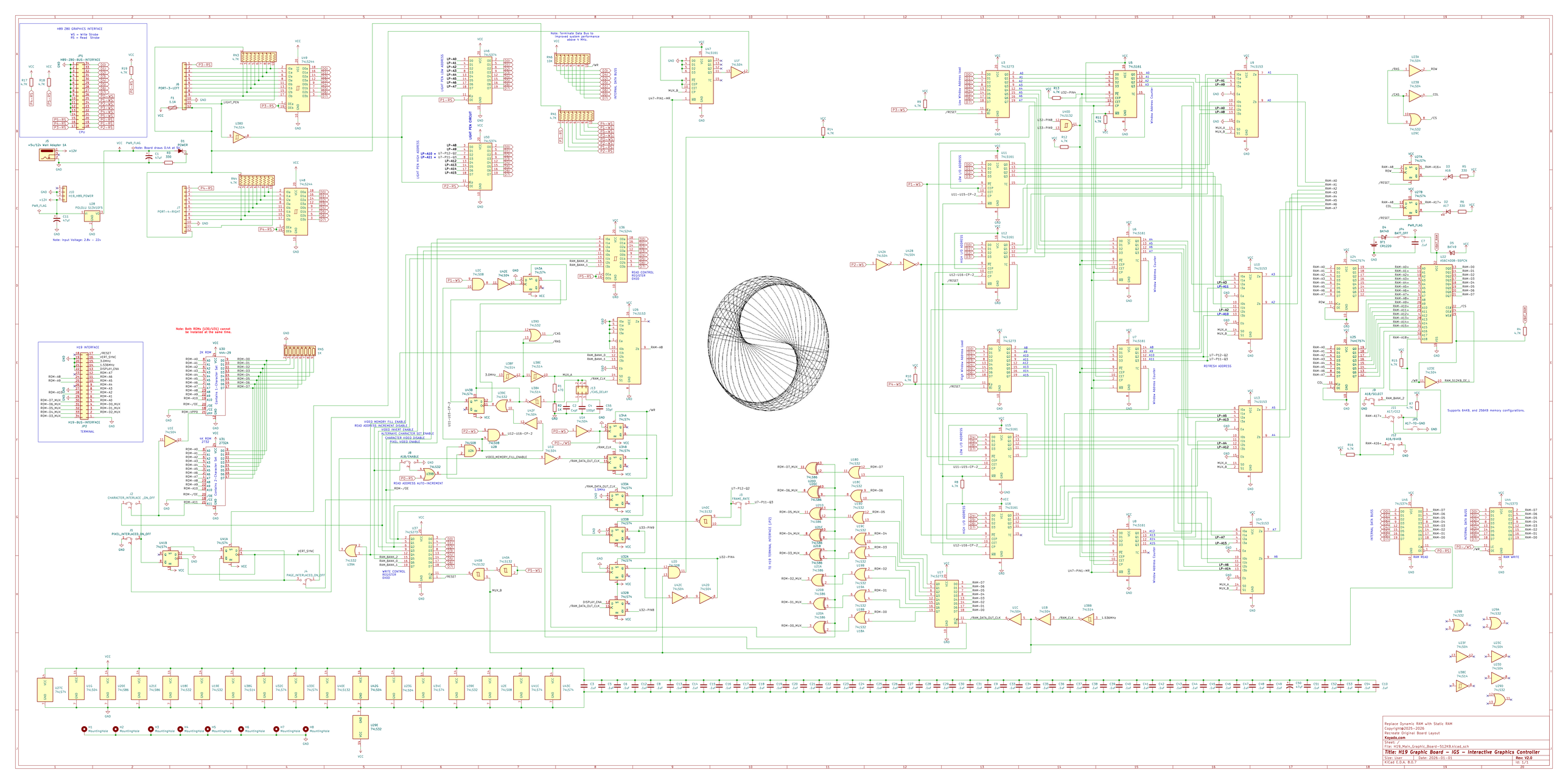
H89 Z80 GRAPHICS INTERFACE
WS = Write Strobe
RS = Read Strobe
H89-Z80-BUS-INTERFACE
CPU
Note: Terminate Data Bus to improved system performance above 4 MHz.
INTERNAL DATA BUS
LIGHT PEN LOW ADDRESS
LIGHT PEN HIGH ADDRESS
LIGHT PEN CIRCUIT
Low Window Address Load
High Window Address Load
Low I/O ADDRESS
High I/O ADDRESS
Window Address Counter
READ CONTROL REGISTER 0X00
Note: Both ROMs (U30/U31) cannot be installed at the same time.
2K ROM
2732
4K ROM
H19 INTERFACE
H19-BUS-INTERFACE
TERMINAL
VIDEO MEMORY FILL ENABLE
READ ADDRESS INCREMENT DISABLE
VIDEO INVERT ENABLE
ALTERNATE CHARACTER SET ENABLE
CHARACTER VIDEO DISABLE
PIXEL VIDEO ENABLE
READ ADDRESS AUTO-INCREMENT
TO H19 TERMINAL INTERFACE (J12)
WRITE CONTROL REGISTER 0X00
RAM READ
RAM WRITE
Supports 64KB, and 256KB memory configurations.
Replace Dynamic RAM with Static RAM
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Recreate Original Board Layout
Koyado.com
Sheet:
File: H19_Main_Graphic_Board-512KB.kicad_sch
Title: H19 Graphic Board – IGS – Interactive Graphics Controller
Size: User
Date: 2026-01-03
Rev: V2.0
KiCad E.D.A. 8.0.7
Id: 1/1