Read Memory 0x0000

Read Memory 0x0001

4.000 MHz

Write Memory 0x0000

Write Memory 0x0001

Write Memory 0x0010

The two MSBits of address are not decoded,
so the following locations are identical:
I/O and RAM 0x0--- = 0x4--- = 0x8--- = 0xC---
U29 / U28 0x2--- = 0x6--- = 0xA--- = 0xE---
U27 / U26 0x3--- = 0x7--- = 0xB--- = 0xF---

RAM must be populated in pairs:
0x0800-0x08FF U18 (low nibble) with U20 (high nibble)
0x0C00-0x0FFF U19 (low nibble) with U21 (high nibble)

Component IDs begin at bottom left corner
(nearest finger 1) and continue L to R
Row 1: U1 (74LS240) to U6 (74LS04)
Row 2: U7 (74LS244) to U12 (74LS175)
Row 3: U12 (MC6800) to U17 (74LS00)
Row 4: U18 (2114) to U24 (74LS32)
Row 5: U25 (74LS42) to U29 (2716)

Header J1 is on the right end of row 2, adjacent to U12
Header J2 is in row 4 between U23 (74LS42) and U24 (74LS32)

Captured from: PWM 102644C; ASSY 102647; PWB 102645C; SN:271
Craig Andrews
BitsOfTheGoldenAge.org

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File: Pro-Log PLS-868.kicad_sch

Title: Pro-Log PLS-868 MC6800 Single Board Computer

Size: B	Date: 2023-11-05	Rev: 0.9
KiCad E.D.A. kicad (6.0.6)		Id: 1/1