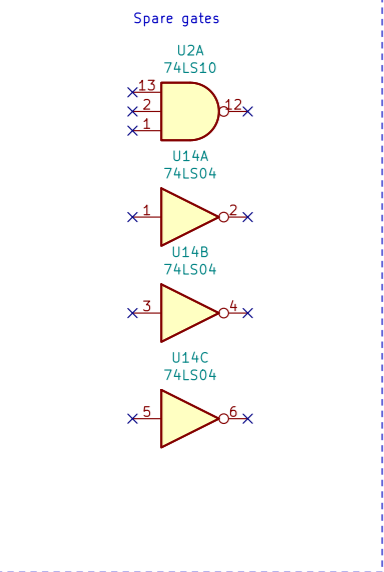
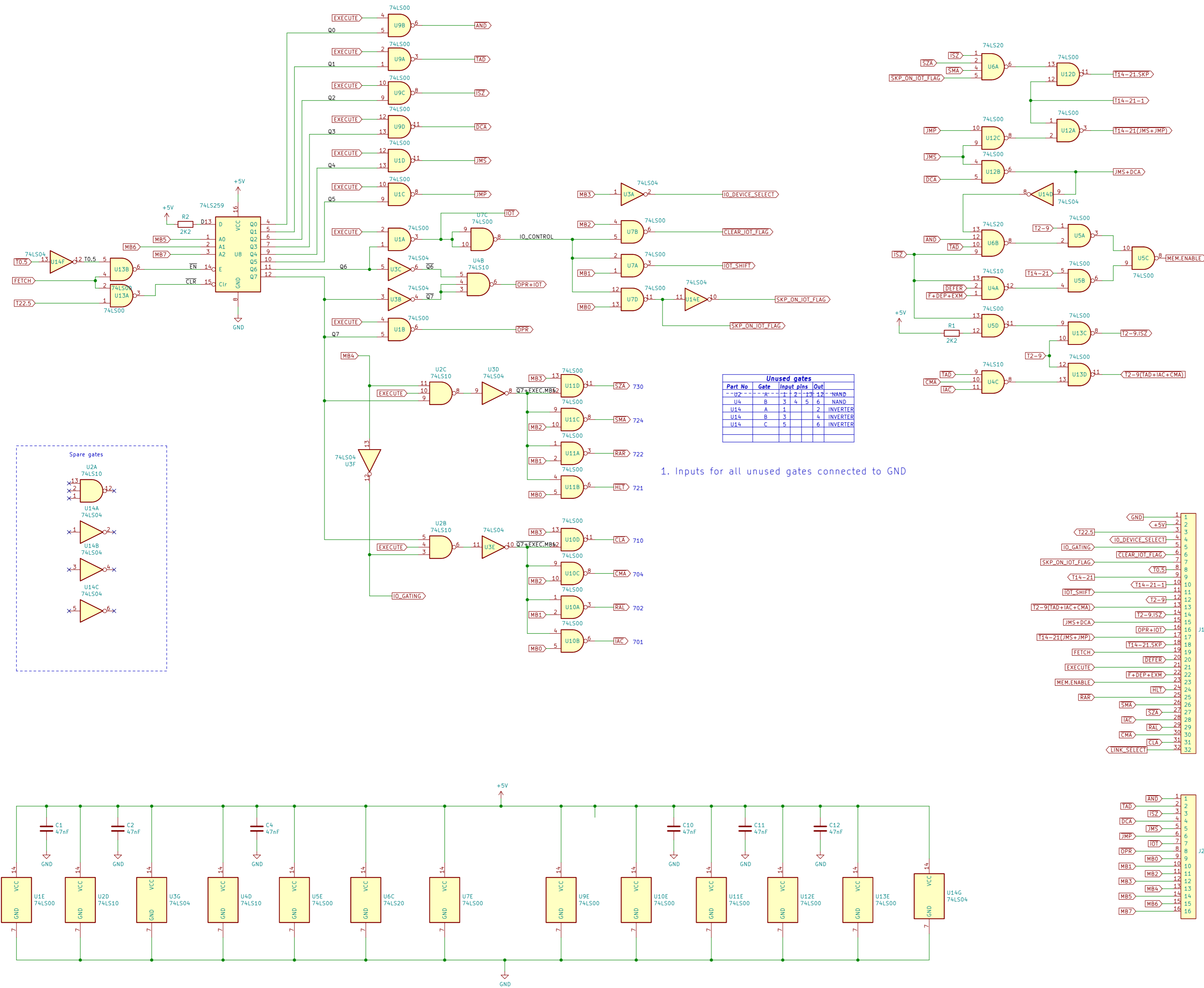


Every track and pad checked against the original artwork

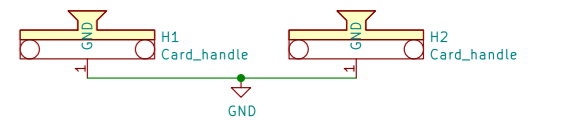
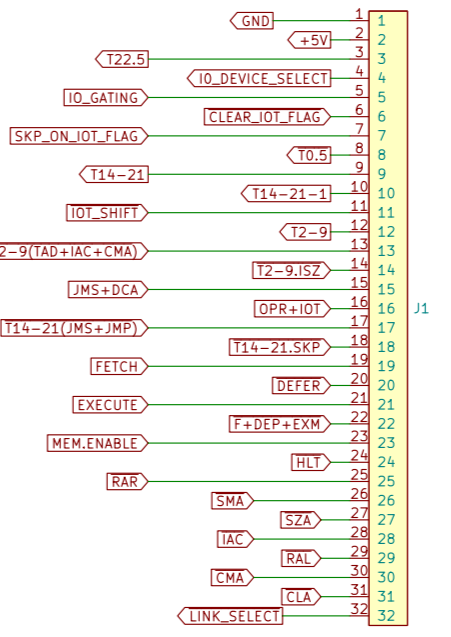


| Part No | Gate | Input pins | Out |
|---------|------|------------|----------|
| U2 | A | 1 2 13 12 | NAND |
| U4 | B | 3 4 5 6 | NAND |
| U14 | A | 1 2 | INVERTER |
| U14 | B | 3 4 | INVERTER |
| U14 | C | 5 6 | INVERTER |

1. Inputs for all unused gates connected to GND

| CONNECTION TABLE | | | |
|------------------|-------------------|--------|-----------|
| CARD EDGE 1 | | DB25 | |
| Pin No | Function | Pin No | Function |
| 1 | GND | 1 | GND |
| 2 | +5V DC | 15 | ISZ |
| 3 | T22.5 | 14 | DCA |
| 4 | I/O_DEVICE_SELECT | 15 | JMS |
| 5 | I/O_GATING | 13 | JMP |
| 6 | CLEAR_IOT_FLAG | 16 | IOT_SHIFT |
| 7 | SKP_ON_IOT_FLAG | 17 | IOT_SHIFT |
| 8 | T22.5 | 18 | IOT_SHIFT |
| 9 | T22.5 | 19 | IOT_SHIFT |
| 10 | T22.5 | 20 | IOT_SHIFT |
| 11 | T22.5 | 21 | IOT_SHIFT |
| 12 | T22.5 | 22 | IOT_SHIFT |
| 13 | T22.5 | 23 | IOT_SHIFT |
| 14 | T22.5 | 24 | IOT_SHIFT |
| 15 | T22.5 | 25 | IOT_SHIFT |
| 16 | T22.5 | 26 | IOT_SHIFT |
| 17 | T22.5 | 27 | IOT_SHIFT |
| 18 | T22.5 | 28 | IOT_SHIFT |
| 19 | T22.5 | 29 | IOT_SHIFT |
| 20 | T22.5 | 30 | IOT_SHIFT |
| 21 | T22.5 | 31 | IOT_SHIFT |
| 22 | T22.5 | 32 | IOT_SHIFT |
| 23 | T22.5 | 33 | IOT_SHIFT |
| 24 | T22.5 | 34 | IOT_SHIFT |
| 25 | T22.5 | 35 | IOT_SHIFT |
| 26 | T22.5 | 36 | IOT_SHIFT |
| 27 | T22.5 | 37 | IOT_SHIFT |
| 28 | T22.5 | 38 | IOT_SHIFT |
| 29 | T22.5 | 39 | IOT_SHIFT |
| 30 | T22.5 | 40 | IOT_SHIFT |
| 31 | T22.5 | 41 | IOT_SHIFT |
| 32 | T22.5 | 42 | IOT_SHIFT |
| 33 | T22.5 | 43 | IOT_SHIFT |
| 34 | T22.5 | 44 | IOT_SHIFT |
| 35 | T22.5 | 45 | IOT_SHIFT |
| 36 | T22.5 | 46 | IOT_SHIFT |
| 37 | T22.5 | 47 | IOT_SHIFT |
| 38 | T22.5 | 48 | IOT_SHIFT |
| 39 | T22.5 | 49 | IOT_SHIFT |
| 40 | T22.5 | 50 | IOT_SHIFT |
| 41 | T22.5 | 51 | IOT_SHIFT |
| 42 | T22.5 | 52 | IOT_SHIFT |
| 43 | T22.5 | 53 | IOT_SHIFT |
| 44 | T22.5 | 54 | IOT_SHIFT |
| 45 | T22.5 | 55 | IOT_SHIFT |
| 46 | T22.5 | 56 | IOT_SHIFT |
| 47 | T22.5 | 57 | IOT_SHIFT |
| 48 | T22.5 | 58 | IOT_SHIFT |
| 49 | T22.5 | 59 | IOT_SHIFT |
| 50 | T22.5 | 60 | IOT_SHIFT |
| 51 | T22.5 | 61 | IOT_SHIFT |
| 52 | T22.5 | 62 | IOT_SHIFT |
| 53 | T22.5 | 63 | IOT_SHIFT |
| 54 | T22.5 | 64 | IOT_SHIFT |
| 55 | T22.5 | 65 | IOT_SHIFT |
| 56 | T22.5 | 66 | IOT_SHIFT |
| 57 | T22.5 | 67 | IOT_SHIFT |
| 58 | T22.5 | 68 | IOT_SHIFT |
| 59 | T22.5 | 69 | IOT_SHIFT |
| 60 | T22.5 | 70 | IOT_SHIFT |
| 61 | T22.5 | 71 | IOT_SHIFT |
| 62 | T22.5 | 72 | IOT_SHIFT |
| 63 | T22.5 | 73 | IOT_SHIFT |
| 64 | T22.5 | 74 | IOT_SHIFT |
| 65 | T22.5 | 75 | IOT_SHIFT |
| 66 | T22.5 | 76 | IOT_SHIFT |
| 67 | T22.5 | 77 | IOT_SHIFT |
| 68 | T22.5 | 78 | IOT_SHIFT |
| 69 | T22.5 | 79 | IOT_SHIFT |
| 70 | T22.5 | 80 | IOT_SHIFT |
| 71 | T22.5 | 81 | IOT_SHIFT |
| 72 | T22.5 | 82 | IOT_SHIFT |
| 73 | T22.5 | 83 | IOT_SHIFT |
| 74 | T22.5 | 84 | IOT_SHIFT |
| 75 | T22.5 | 85 | IOT_SHIFT |
| 76 | T22.5 | 86 | IOT_SHIFT |
| 77 | T22.5 | 87 | IOT_SHIFT |
| 78 | T22.5 | 88 | IOT_SHIFT |
| 79 | T22.5 | 89 | IOT_SHIFT |
| 80 | T22.5 | 90 | IOT_SHIFT |
| 81 | T22.5 | 91 | IOT_SHIFT |
| 82 | T22.5 | 92 | IOT_SHIFT |
| 83 | T22.5 | 93 | IOT_SHIFT |
| 84 | T22.5 | 94 | IOT_SHIFT |
| 85 | T22.5 | 95 | IOT_SHIFT |
| 86 | T22.5 | 96 | IOT_SHIFT |
| 87 | T22.5 | 97 | IOT_SHIFT |
| 88 | T22.5 | 98 | IOT_SHIFT |
| 89 | T22.5 | 99 | IOT_SHIFT |
| 90 | T22.5 | 100 | IOT_SHIFT |

- C1 47nF
- C2 47nF
- C4 47nF
- C10 47nF
- C11 47nF
- C12 47nF
- H1 Card_handle
- H2 Card_handle
- J1 32-way-pcb-edge-connector
- J2 16-way-pcb-edge-connector
- R1 2K2
- U1 74LS00
- U2 74LS10
- U3 74LS04
- U4 74LS10
- U5 74LS00
- U6 74LS20
- U7 74LS00
- U8 74LS259
- U9 74LS00
- U10 74LS00
- U11 74LS00
- U12 74LS00
- U13 74LS00
- U14 74LS04



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