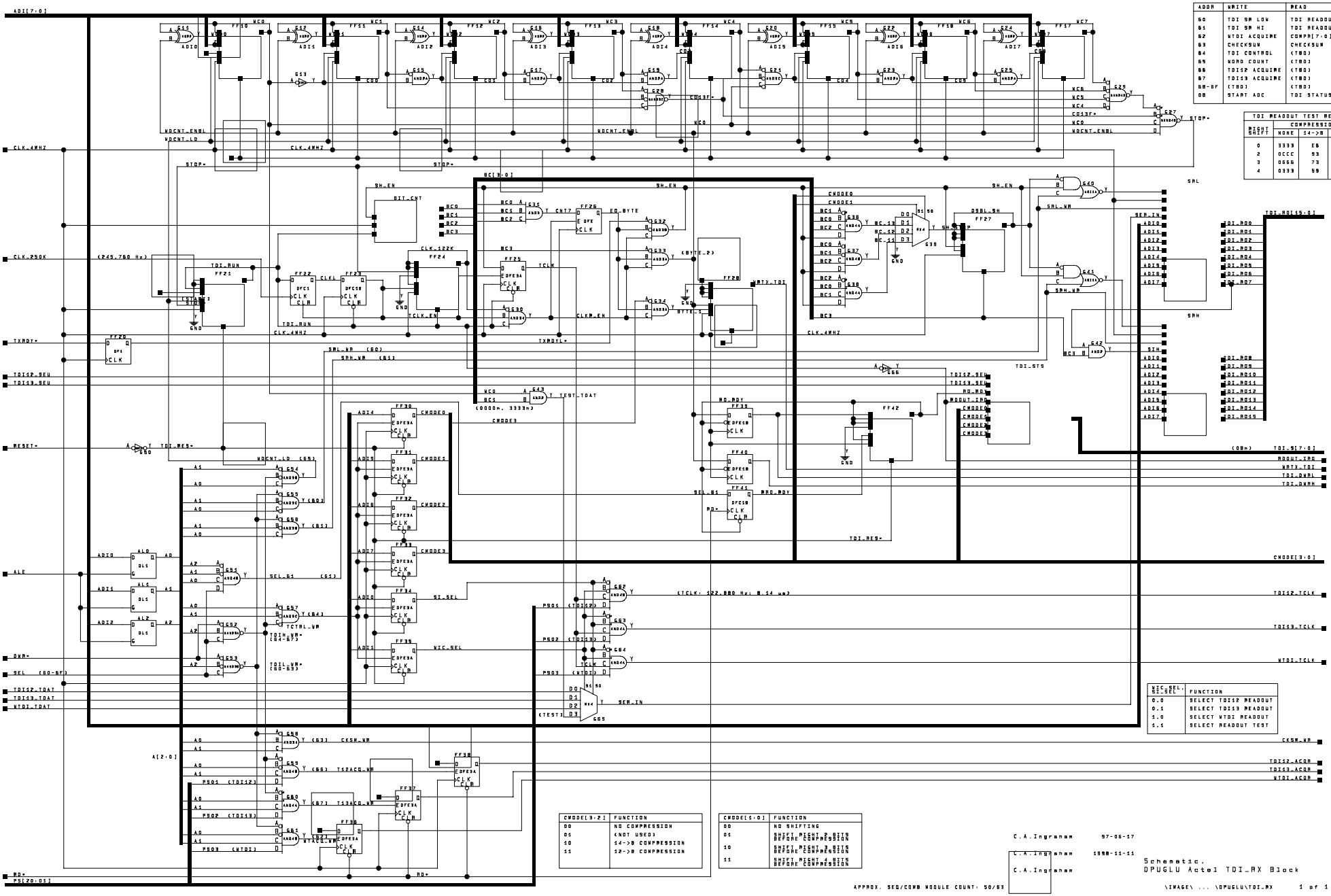


| ADDR | WRITE | READ |
|---|---|---|
| 60 | TDI 9M LOW | TDI READOUT LOW |
| 61 | TDI 9M HI | TDI READOUT HI |
| 62 | WTDI ACQUIRE | COMP[7:0] |
| 63 | CHECKSUM | CHECKSUM |
| 64 | TDI CONTROL | (TBD) |
| 65 | WORD COUNT | (TBD) |
| 66 | TDI12 ACQUIRE | (TBD) |
| 67 | TDI13 ACQUIRE | (TBD) |
| 68-6F | (TBD) | (TBD) |
| 08 | START ADC | TDI STATUS |

TDI READOUT TEST RESULT

| WEIGHT SHIFT | COMPRESSION NONE | 14->8 | 12->8 |
|---|---|---|---|
| 0 | 3333 | E6 | B3 |
| 2 | CCCC | 93 | F3 |
| 3 | 0666 | 73 | D3 |
| 4 | 0333 | 59 | 33 |

| WIC_SEL, SI_SEL | FUNCTION |
|---|---|
| 0,0 | SELECT TDI12 READOUT |
| 0,1 | SELECT TDI13 READOUT |
| 1,0 | SELECT WTDI READOUT |
| 1,1 | SELECT READOUT TEST |

| CMODE[3:2] | FUNCTION |
|---|---|
| 00 | NO COMPRESSION |
| 01 | (NOT USED) |
| 10 | 14->8 COMPRESSION |
| 11 | 12->8 COMPRESSION |

| CMODE[1:0] | FUNCTION |
|---|---|
| 00 | NO SHIFTING |
| 01 | SHIFT WEIGHT 2 BITS BEFORE COMPRESSION |
| 10 | SHIFT WEIGHT 3 BITS BEFORE COMPRESSION |
| 11 | SHIFT WEIGHT 4 BITS BEFORE COMPRESSION |

C.A.Ingraham 97-06-17

C.A.Ingraham 1998-11-11

C.A.Ingraham

Schematic.
DPUGLU Actel TDI_RX Block

APPROX. SEQ/COMB MODULE COUNT: 50/63

\IMAGE\ ... \DPUGLU\TDI_RX 1 of 1 A