

# ALU selector

| Operation | Selector | Comment   |
|-----------|----------|---|
| ADD       | 0011     | Add value from address to accumulator register (A)        |
| SUB       | 0100     | Subtract value from address from accumulator register (A) |
| AND       | 0101     | AND value from address with accumulator register (A)      |
| OR        | 0110     | OR value from address with accumulator register (A)       |
| NOT       | 0111     | Bitwise NOT of accumulator                                |
| INC       | 1000     | Increment value of accumulator by 1                       |
| DEC       | 1001     | decrement value of accumulator by 1                       |
| SHL       | 1100     | Shift left value of accumulator by 1                      |
| SHR       | 1101     | Shift right value of accumulator by 1                     |
| NEG       | 1110     | Negate value of accumulator (2's comp)                    |