

|                  |      |                  |      |                     |       |        |        |                   |        |        |            |
|------------------|------|------------------|------|---------------------|-------|--------|--------|-------------------|--------|--------|------------|
| uIR位数            | 有效数值 | 意义 (译码后)         | 连接端口 | 备注                  | 微操作-> | 00     | 01     | 02                | 03     | 04     | 05         |
| 十六进制             |      |                  |      |                     |       | 001201 | 000C01 | 000E05            | 004201 | 000A01 | 000803     |
| uIR23            | 1    |                  |      |                     |       |        |        |                   |        |        |            |
| uIR22            | 1    |                  |      |                     |       |        |        |                   |        |        |            |
| uIR21            | 1    |                  |      |                     |       |        |        |                   |        |        |            |
| uIR20            | 1    |                  |      |                     |       |        |        |                   |        |        |            |
| uIR19            | 1    |                  |      |                     |       |        |        |                   |        |        |            |
| uIR18            | 1    | IF MULTI         |      |                     |       |        |        |                   |        |        |            |
| uIR17            | 1/0  | RI FROM O OR BFJ |      | 0:BUFENJI; 1:Jinwei |       |        |        |                   |        |        |            |
| uIR16            | 1/0  | CN               |      | ALU+1               |       |        |        |                   |        |        |            |
| uIR15 uIR14      | 11   |                  |      |                     |       |        |        |                   |        |        |            |
|                  | 10   | OUT1A            | OAA  | A选择器                |       |        |        |                   |        |        |            |
|                  | 01   | MBRA             | MBRA |                     |       |        |        |                   | 1      |        |            |
|                  | 00   |                  |      |                     |       |        |        |                   |        |        |            |
| uIR13 uIR12      | 11   |                  |      | B选择器                |       |        |        |                   |        |        |            |
|                  | 10   | OUT2B            | OBB  |                     |       |        |        |                   |        |        |            |
|                  | 01   | PCB              | PCB  |                     |       | 1      |        |                   |        |        |            |
|                  | 00   |                  |      |                     |       |        |        |                   |        |        |            |
| uIR11 uIR10 uIR9 | 111  | CPMBR            |      | 数据寄存器               |       |        |        | 1                 |        |        |            |
|                  | 110  | CPMAR            |      | 地址寄存器               |       |        | 1      |                   |        |        |            |
|                  | 101  | CPIR             |      | 指令寄存器               |       |        |        |                   |        | 1      |            |
|                  | 100  | CPPC             |      | 计数器                 |       |        |        |                   |        |        | 1          |
|                  | 011  | CPR              |      | 寄存器组是否有效            |       |        |        |                   |        |        |            |
|                  | 010  | CPCOND           |      | 状态寄存器               |       |        |        |                   |        |        |            |
|                  | 001  | CPZ              |      | 连ALU输出的暂存器          |       | 1      |        |                   | 1      |        |            |
|                  | 000  |                  |      |                     |       |        |        |                   |        |        |            |
| uIR8             | 1    | HALT             |      |                     |       |        |        |                   |        |        |            |
| uIR7 uIR6        | 11   | R3               |      | 控制寄存器组存储位置          |       |        |        |                   |        |        |            |
|                  | 10   | R2               |      |                     |       |        |        |                   |        |        |            |
|                  | 01   | R1               |      |                     |       |        |        |                   |        |        |            |
|                  | 00   | R0               |      |                     |       |        |        |                   |        |        |            |
| uIR5 uIR4        | 11   | PC SET           |      | PC置位                |       |        |        |                   |        |        |            |
|                  | 10   |                  |      |                     |       |        |        |                   |        |        |            |
|                  | 01   | RM               |      | 右移                  |       |        |        |                   |        |        |            |
|                  | 00   | DM               |      | 直送                  |       |        |        |                   |        |        |            |
| uIR3             | 1    | WR               |      | RAM写                |       |        |        |                   |        |        |            |
| uIR2             | 1    | RD               |      | RAM读                |       |        |        | 1                 |        |        |            |
| uIR1 uIR0        | 11   | QJP              |      | 转移方式                |       |        |        |                   |        |        | 1          |
|                  | 10   | JP               |      |                     |       |        |        |                   |        |        |            |
|                  | 01   | uPC+1            |      |                     |       | 1      | 1      | 1                 | 1      | 1      |            |
|                  | 00   |                  |      |                     |       |        |        |                   |        |        |            |
| 微操作->            |      |                  |      |                     |       | PC->Z  | Z->MAR | 1->RD;M(MAR)->MBR | MBR->Z | Z->IR  | (PC)+1->PC |
| 指令->             |      |                  |      |                     |       | 取指周期   |        |                   |        |        |            |
| uIR位数            | 有效数值 | 意义 (译码后)         | 连接端口 | 备注                  | 指令地址  | 00     | 01     | 02                | 03     | 04     | 05         |