|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bit 15  N/A | Bit 14  N/A | Bit 13  alu to ac | Bit 12  IM | Bit 11  DM | Bit 10  r1 | Bit 9  r2 | Bit 8  r3 | Bit 7  r4 | Bit 6  r5 | Bit 5  r | Bit 4  ac | Bit 3  ir | Bit 2  dar | Bit 1  pc | Bit 0  N/A |

Write Enable

Increment Enable

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Bit 7  N/A | Bit 6  r3 | Bit 5  r2 | Bit 4  r1 | Bit 3  dar | Bit 2  ac | Bit 1  pc | Bit 0  N/A |

Read Enable

|  |  |
| --- | --- |
| Decimal Value | Register |
| 0 | - |
| 1 | pc |
| 2 | dar |
| 3 | dr |
| 4 | ir |
| 5 | ac |
| 6 | r |
| 7 | r1 |
| 8 | r2 |
| 9 | r3 |
| 10 | r4 |
| 11 | r5 |
| 12 | DM |
| 13 | IM |