



| ne-Hot/One-Cold Encoding | | | | |
|---|------------------------|------------------|------------------|---|
| Vhat is unique to One-Hot/One-Cold State Codes? | | | | |
| State Number | Sequential Encoding | Gray Encoding | Johnson Encoding | One-hot Encoding |
| 0 | 0000 | 0000 | 00000000 | 00000000000000000 |
| 1 | 0001 | 0001 | 00000001 | 000000000000000000000000000000000000000 |
| 2 | 0010 | 0011 | 00000011 | 000000000000000000000000000000000000000 |
| 3 | 0011 | 0010 | 00000111 | 000000000000000000000000000000000000000 |
| 4 | 0100 | 0110 | 00001111 | 0000000000010000 |
| 5 | 0101 | 0111 | 00011111 | 000000000100000 |
| 6 | 0110 | 0101 | 00111111 | 000000001000000 |
| 7 | 0111 | 0100 | 01111111 | 00000001000000 |
| 8 | 1000 | 1100 | 11111111 | 00000010000000 |
| 9 | 1001 | 1101 | 11111110 | 000001000000000 |
| 10 | 1010 | 1111 | 11111100 | 0000010000000000 |
| 11 | 1011 | 1110 | 11111000 | 0000100000000000 |
| 12 | 1100 | 1010 | 11110000 | 0001000000000000 |
| 13 | 1101 | 1011 | 11100000 | 0010000000000000 |
| 14 | 1110 | 1001 | 11000000 | 0100000000000000 |
| 15 | 1111 | 1000 | 1000000 | 10000000000000000 |



























