

| Dec. | Binary   | Hex. | ASCII | Dec. | Binary   | Hex. | ASCII | Dec. | Binary   | Hex. | ASCII | Dec. | Binary   | Hex. | ASCII |
|------|----------|------|-------|------|----------|------|-------|------|----------|------|-------|------|----------|------|-------|
| 0    | 00000000 | 00   | NUL   | 32   | 00100000 | 20   | SP    | 64   | 01000000 | 40   | @     | 96   | 01100000 | 60   | `     |
| 1    | 00000001 | 01   | SOH   | 33   | 00100001 | 21   | !     | 65   | 01000001 | 41   | A     | 97   | 01100001 | 61   | a     |
| 2    | 00000010 | 02   | STX   | 34   | 00100010 | 22   | "     | 66   | 01000010 | 42   | B     | 98   | 01100010 | 62   | b     |
| 3    | 00000011 | 03   | ETX   | 35   | 00100011 | 23   | #     | 67   | 01000011 | 43   | C     | 99   | 01100011 | 63   | c     |
| 4    | 00000100 | 04   | EOT   | 36   | 00100100 | 24   | \$    | 68   | 01000100 | 44   | D     | 100  | 01100100 | 64   | d     |
| 5    | 00000101 | 05   | ENQ   | 37   | 00100101 | 25   | %     | 69   | 01000101 | 45   | E     | 101  | 01100101 | 65   | e     |
| 6    | 00000110 | 06   | ACK   | 38   | 00100110 | 26   | &     | 70   | 01000110 | 46   | F     | 102  | 01100110 | 66   | f     |
| 7    | 00000111 | 07   | BEL   | 39   | 00100111 | 27   | '     | 71   | 01000111 | 47   | G     | 103  | 01100111 | 67   | g     |
| 8    | 00001000 | 08   | BS    | 40   | 00101000 | 28   | (     | 72   | 01001000 | 48   | H     | 104  | 01101000 | 68   | h     |
| 9    | 00001001 | 09   | HT    | 41   | 00101001 | 29   | )     | 73   | 01001001 | 49   | I     | 105  | 01101001 | 69   | i     |
| 10   | 00001010 | 0A   | LF    | 42   | 00101010 | 2A   | *     | 74   | 01001010 | 4A   | J     | 106  | 01101010 | 6A   | j     |
| 11   | 00001011 | 0B   | VT    | 43   | 00101011 | 2B   | +     | 75   | 01001011 | 4B   | K     | 107  | 01101011 | 6B   | k     |
| 12   | 00001100 | 0C   | FF    | 44   | 00101100 | 2C   | ,     | 76   | 01001100 | 4C   | L     | 108  | 01101100 | 6C   | l     |
| 13   | 00001101 | 0D   | CR    | 45   | 00101101 | 2D   | -     | 77   | 01001101 | 4D   | M     | 109  | 01101101 | 6D   | m     |
| 14   | 00001110 | 0E   | SO    | 46   | 00101110 | 2E   | .     | 78   | 01001110 | 4E   | N     | 110  | 01101110 | 6E   | n     |
| 15   | 00001111 | 0F   | SI    | 47   | 00101111 | 2F   | /     | 79   | 01001111 | 4F   | O     | 111  | 01101111 | 6F   | o     |
| 16   | 00010000 | 10   | DLE   | 48   | 00110000 | 30   | 0     | 80   | 01010000 | 50   | P     | 112  | 01110000 | 70   | p     |
| 17   | 00010001 | 11   | DC1   | 49   | 00110001 | 31   | 1     | 81   | 01010001 | 51   | Q     | 113  | 01110001 | 71   | q     |
| 18   | 00010010 | 12   | DC2   | 50   | 00110010 | 32   | 2     | 82   | 01010010 | 52   | R     | 114  | 01110010 | 72   | r     |
| 19   | 00010011 | 13   | DC3   | 51   | 00110011 | 33   | 3     | 83   | 01010011 | 53   | S     | 115  | 01110011 | 73   | s     |
| 20   | 00010100 | 14   | DC4   | 52   | 00110100 | 34   | 4     | 84   | 01010100 | 54   | T     | 116  | 01110100 | 74   | t     |
| 21   | 00010101 | 15   | NAK   | 53   | 00110101 | 35   | 5     | 85   | 01010101 | 55   | U     | 117  | 01110101 | 75   | u     |
| 22   | 00010110 | 16   | SYN   | 54   | 00110110 | 36   | 6     | 86   | 01010110 | 56   | V     | 118  | 01110110 | 76   | v     |
| 23   | 00010111 | 17   | ETB   | 55   | 00110111 | 37   | 7     | 87   | 01010111 | 57   | W     | 119  | 01110111 | 77   | w     |
| 24   | 00011000 | 18   | CAN   | 56   | 00111000 | 38   | 8     | 88   | 01011000 | 58   | X     | 120  | 01111000 | 78   | x     |
| 25   | 00011001 | 19   | EM    | 57   | 00111001 | 39   | 9     | 89   | 01011001 | 59   | Y     | 121  | 01111001 | 79   | y     |
| 26   | 00011010 | 1A   | SUB   | 58   | 00111010 | 3A   | :     | 90   | 01011010 | 5A   | Z     | 122  | 01111010 | 7A   | z     |
| 27   | 00011011 | 1B   | ESC   | 59   | 00111011 | 3B   | ;     | 91   | 01011011 | 5B   | [     | 123  | 01111011 | 7B   | {     |
| 28   | 00011100 | 1C   | FS    | 60   | 00111100 | 3C   | <     | 92   | 01011100 | 5C   | \     | 124  | 01111100 | 7C   |       |
| 29   | 00011101 | 1D   | GS    | 61   | 00111101 | 3D   | =     | 93   | 01011101 | 5D   | ]     | 125  | 01111101 | 7D   | }     |
| 30   | 00011110 | 1E   | RS    | 62   | 00111110 | 3E   | >     | 94   | 01011110 | 5E   | ^     | 126  | 01111110 | 7E   | ~     |
| 31   | 00011111 | 1F   | US    | 63   | 00111111 | 3F   | ?     | 95   | 01011111 | 5F   | _     | 127  | 01111111 | 7F   | DEL   |