

| bit position | | | | | | | | | | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|-----|----|---|---|---|---|-----|
| | | | | | | | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | | | | | | | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 |
| | | | | | | | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| b ₇ | b ₆ | b ₅ | b ₄ | b ₃ | b ₂ | b ₁ | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | NUL | DLE | SP | 0 | @ | P | ' | p |
| 0 | 0 | 0 | 0 | 1 | 0 | 1 | SOH | DC1 | ! | 1 | A | Q | a | q |
| 0 | 0 | 1 | 0 | 0 | 1 | 0 | STX | DC2 | " | 2 | B | R | b | r |
| 0 | 0 | 1 | 1 | 0 | 1 | 1 | ETX | DC3 | # | 3 | C | S | c | s |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | EOT | DC4 | \$ | 4 | D | T | d | t |
| 0 | 1 | 0 | 1 | 0 | 1 | 1 | ENQ | NAK | % | 5 | E | U | e | u |
| 0 | 1 | 1 | 0 | 1 | 0 | 0 | ACK | SYN | & | 6 | F | V | f | v |
| 0 | 1 | 1 | 1 | 1 | 1 | 1 | BEL | ETB | ' | 7 | G | W | g | w |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | BS | CAN | (| 8 | H | X | h | x |
| 1 | 0 | 0 | 1 | 0 | 1 | 1 | HT | EM |) | 9 | I | Y | i | y |
| 1 | 0 | 1 | 0 | 1 | 0 | 0 | LF | SUB | * | : | J | Z | j | z |
| 1 | 0 | 1 | 1 | 1 | 1 | 1 | VT | ESC | + | ; | K | [| k | { |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | FF | FS | , | < | L | \ | l | |
| 1 | 1 | 0 | 1 | 0 | 1 | 1 | CR | GS | - | = | M |] | m | } |
| 1 | 1 | 1 | 0 | 1 | 0 | 0 | SO | RS | . | > | N | ^ | n | ~ |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | SI | US | / | ? | O | _ | o | DEL |