Table 4 Correspondence between Character Codes and Character Patterns (ROM Code: A00)

| Upper 4 Lower Bits 4 Bits | 0000 | 0001 | 0010 | 0011 | 0100 | 0101 | 0110 | 0111 | 1000 | 1001 | 1010 | 1011 | 1100 | 1101 | 1110 | 1111 |
|---------------------------------|------------------|------|----------|---------|------|------|-------------|-------------|------|------|----------|-----------|------------|-------------|----------|----------|
| xxxx0000 | CG RAM (1) | | | | | | *• | | | | | | | | | |
| xxxx0001 | (2) | | | | | | | | | | | | | | | |
| xxxx0010 | (3) | | | | | | | !-"- | | | | | ij | <i>.</i> ×' | | |
| xxxx0011 | (4) | | | | | ==== | : | | | | | | | | ==- | *** |
| xxxx0100 | (5) | | | 4 | | | | ₩. | | | ٠. | | ! | - | | |
| xxxx0101 | (6) | | | | | | | 11 | | | # | | | | ==== | |
| xxxx0110 | (7) | | | | | | | ı,ı | | | | | | | | - |
| xxxx0111 | (8) | | | : | | | | ļļļ! | | | | | .:: | | | 711 |
| xxxx1000 | (1) | | ! | | | × | | × | | | | | | i,i | -,= | * |
| xxxx1001 | (2) | | , | | | | | | | | | | J | | [| |
| xxxx1010 | (3) | | #: | == | | | | | | | | | 11 | <u>.</u> | | |
| xxxx1011 | (4) | | | ; | | | | | | | : | | | | ** *: | . |
| xxxx1100 | (5) | | | ₹ | | | | | | | - | : | | | - | |
| xxxx1101 | (6) | | | | | | i i | | | | | | ••• | I | # | |
| xxxx1110 | (7) | | == | > | | ••• | !" : | | | | | | | ••• | | |
| xxxx1111 | (8) | | | • | | | ==== | - | | | •11 | ! | ••• | | | |

Note: The user can specify any pattern for character-generator RAM.

HD44780U

 Table 4
 Correspondence between Character Codes and Character Patterns (ROM Code: A02)

| Llmmar 4 | | | | ı | I | 1 | 1 | | | | | | | | | |
|----------------------|------------------|------------|----------|------|------------|------|--------------|---------------|-------------|----------|--------------|----------|------|------|------|------|
| Lower Bits 4 Bits | 0000 | 0001 | 0010 | 0011 | 0100 | 0101 | 0110 | 0111 | 1000 | 1001 | 1010 | 1011 | 1100 | 1101 | 1110 | 1111 |
| xxxx0000 | CG RAM (1) | | | | | | *• | | | | | =_= | | | | ** |
| xxxx0001 | (2) | - | | 1 | | | | | | #** | - | | Ä | | | |
| xxxx0010 | (3) | € € | 11 | | | | | !-"- | | ! | . | -" | | | | |
| xxxx0011 | (4) | "" | | | : ""- ! | : | : <u></u> . | | | | <u></u> | | | | | |
| xxxx0100 | (5) | -==- | - | | | | | - <u> -</u> - | | | ;;; ; | | | | | |
| xxxx0101 | (6) | | | | | | === | !! | | :_: | | | | :::: | | |
| xxxx0110 | (7) | | | | | ij | | i.,.i | | | i | | | | | |
| xxxx0111 | (8) | # | : | | | i.i | -=== | 1,,1 | | -":" | | # | | × | :::- | |
| xxxx1000 | (1) | • | ť. | | | × | ! : | × | <u></u> ;.! | | | | | | | # |
| xxxx1001 | (2) | 4 | <u>;</u> | | | 1,1 | • | | | | | 1 | | | | |
| xxxx1010 | (3) | -#- | #: | ## | : | | | | | | | | | | | |
| xxxx1011 | (4) | - | | :: | k: | | | ₹. | | 8 | * | * | | | | |
| xxxx1100 | (5) | <u>:</u> | ;= | | | • | | | | | | | | | • | |
| xxxx1101 | (6) | <u>;</u> - | | | | | | <u>}</u> | | | | <u> </u> | | Ť | • | • |
| xxxx1110 | (7) | | | > | i i | | ! -"! | | | | | | | | • | *** |
| xxxx1111 | (8) | - | | •*** | | | ==== | : <u>"</u> | | | # | : | | | | |