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) | | | | | | * | - | | | | ***** | 2 | ≡, | O. | p |
| xxxx0001 | (2) | | i | 1 | | | = | 4 | | | 12 | Ţ | 7 | 4 | | q |
| xxxx0010 | (3) | | 11 | 2 | | R | b | r | | | ï | 4 | Ņ | × | ₽ | 8 |
| xxxx0011 | (4) | | # | 3 | | | <u>.</u> . | <u>:</u> | | | J | ņ | Ţ | T | €. | 207 |
| xxxx0100 | (5) | | \$ | 4 | | Ï | | † | | | ٠. | | ŀ. | † | L. 4 | Ω |
| xxxx0101 | (6) | | : | 5 | | U | = | <u> _</u> | | | # | 7 | ; | | Ġ | Ü |
| xxxx0110 | (7) | | 8 | 6 | | Ų | f | Ų | | | 7 | Ħ | | | ρ | <u>:</u> |
| xxxx0111 | (8) | | " | 7 | 6 | W | = | W | | | 7 | | X | 7 | | П |
| xxxx1000 | (1) | | (| 8 | | X | h | × | | | 4 | 7 | 7 | Ņ | Ţ | × |
| xxxx1001 | (2) | |) | 9 | I | Y | i | 5 | | | ÷ | 7 | ļ | IL | -1 | 4 |
| xxxx1010 | (3) | | * | ## ## | | | | •••••••••••••••••••••••••••••••••••••• | | | | | ľì | ŀ | | # |
| xxxx1011 | (4) | | | : | K | | K | < | | | 7 | Ţ | **** | | × | F |
| xxxx1100 | (5) | | | < | | # | 1 | | | | † | =) | | ņ | ‡ . | M |
| xxxx1101 | (6) | | | ***** | | | m | | | | | Z | ^, | | ± | ÷ |
| xxxx1110 | (7) | | == | > | H | ^ | r | ** | | | 3 | Ė | | •• | ñ | |
| xxxx1111 | (8) | | | ? | | | | ÷ | | | | IJ | 7 | | Ö | |

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

HITACHI

HD44780U

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

| 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) | | | 8 | a | P | • | - | B | œ | | O | À | Ð | ä | Š |
| xxxx0001 | (2) | 4 | l | 1 | Ĥ | Q | -3 | -4 | | al': | | -i | Á | Ñ | | ñ |
| xxxx0010 | (3) | | 11 | 2 | | R | b | r | X | ľ" | ‡ . | 2 | Â | Ò | â | Ò |
| xxxx0011 | (4) | 77 | # | 3 | | 5 | <u></u> . | ·=. | | M | £ | ======================================= | Ä | Ó | - | Ó |
| xxxx0100 | (5) | .#. .#. | \$ | 4 | D | ï | | † <u>.</u> . | H | 5 | [a] | | Ä | Ô | -3 | ŝ |
| xxxx0101 | (6) | .ii. | #.· | <u></u> | | | = | 11 | H | Œ | ¥ | 1.4 | Å | Ö | 4 | S |
| xxxx0110 | (7) | | 8 | 6 | | Ų | f | Ų | .11 | | I | | Æ | Ö | * | Ö |
| xxxx0111 | (8) | 4 | | 7 | G | W | -3 | W | m | 7 | 8 | = | Ç | × | ; | - |
| xxxx1000 | (1) | • | (| 8 | | X | ŀ'n | × | y | 4. | # | ω | <u>.</u> | # | è | # |
| xxxx1001 | (2) | 4. |) | 9 | I | Y | i | ' | | | | 1. | Ë | Ù | é | ü |
| xxxx1010 | (3) | + | * | ## ## | J | Z | j | | 1 | Ç. | . | | | Ú | ê | Ú |
| xxxx1011 | (4) | 4- | - - | ; | K | | k | { | Ш | 8 | * | * | | Û | | û |
| xxxx1100 | (5) | <. | ;= | < | | ٠. | 1 | | Щ | 647 | H | ¥ | 1 | | 1 | ü |
| xxxx1101 | (6) | <u> </u> | **** | :::: | M | I | m | > | 1 | | A | Ķ | ï | Ý | i | i |
| xxxx1110 | (7) | . i . | | > | H | ^ | ľ | | Ы | Ξ . | | 4 | Î | þ | 1 | ŀ |
| xxxx1111 | (8) | Ŧ | ,* | ? | | | <u></u> | Û | 3 | | £ | ÷ | Ï | 8 | ï | |