

# STMICROELECTRONICS Logic



## 4000 SERIES CMOS

- Supply voltage: 3.0 to 18.0V
- Output Current: 7 mA (Min)
- Operating temperature: -40°C to +85°C
- Propagation delay time: 65 ns (Typ)

For quantities of 1000 and up, call for quote.

| MOUSER STOCK NO.     | STM Part No.  | Case Type | Description   | Price Each |      |      |
|----------------------|---------------|-----------|---|------------|------|------|
|                      |               |           |   | 1          | 100  | 500  |
| <b>Surface Mount</b> |               |           |   |            |      |      |
| 511-4007UBM          | HCF4007UBM1   | SO-14     | Dual complementary pair plus inverter                   | .34        | .29  | .26  |
| 511-4010BM           | HCF4010BM1    | SO-16     | Hex buffer/converters non-inverting                     | .40        | .34  | .30  |
| 511-4015BM-TR        | HCF4015MO13TR | SO-16     | Dual 4-stage static shift register                      | .46        | .37  | .29  |
| 511-4021BM-TR        | HCF4021MO13TR | SO-16     | 8-stage static shift register                           | .32        | .25  | .20  |
| 511-4024BM           | HCF4024BM1    | SO-14     | 7-stage binary/ripple counter                           | .55        | .43  | .38  |
| 511-4028BM           | HCF4028BM1    | SO-16     | BCD-to-decimal decoder                                  | .52        | .44  | .39  |
| 511-4051BM-TR        | HCF4051MO13TR | SO-16     | Single 8-channel analog multiplexer/demultiplexer       | .28        | .22  | .17  |
| 511-4053BM           | HCF4053BM1    | SO-16     | Triple 2-channel analog multiplexer/demultiplexer       | .52        | .44  | .39  |
| 511-4056BM           | HCF4056BM1    | SO-16     | BCD-to-7 segment decoder/driver                         | .62        | .53  | .47  |
| 511-4067BM           | HCF4067BM1    | SO-24     | Single 16-channel analog multiplexer/demultiplexer      | 2.72       | 2.31 | 2.04 |
| 511-4070BM           | HCF4070BM1    | SO-14     | Quad exclusive OR gate                                  | .34        | .29  | .26  |
| 511-4077BM           | HCF4077BM1    | SO-14     | Quad exclusive NOR gate                                 | .34        | .29  | .26  |
| 511-4511BM           | HCF4511BM1    | SO-16     | BCD-to-7 segment latch/decoder/driver                   | .79        | .68  | .59  |
| 511-4518BM           | HCF4518BM1    | SO-16     | Dual BCD up counter                                     | .58        | .49  | .44  |
| 511-40107BM          | HCF40107BM1   | SO-8      | Dual 2-input NAND buffer/driver                         | .44        | .37  | .33  |
| <b>Thru Hole</b>     |               |           |   |            |      |      |
| 511-4001             | HCF4001BEY    | DIP-14    | Quad 2-input NOR gate                                   | .25        | .20  | .15  |
| 511-4007U            | HCF4007UBEY   | DIP-14    | Dual complementary pair plus inverter                   | .33        | .29  | .26  |
| 511-4011             | HCF4011BEY    | DIP-14    | Quad 2-input NAND gate                                  | .22        | .17  | .15  |
| 511-4013             | HCF4013BEY    | DIP-14    | Dual D-type flip-flop                                   | .28        | .22  | .17  |
| 511-4014             | HCF4014BEY    | DIP-16    | 8-stage static synchronous shift register               | .41        | .32  | .25  |
| 511-4015             | HCF4015BEY    | DIP-16    | Dual 4-stage static shift register                      | .28        | .22  | .17  |
| 511-4016             | HCF4016BEY    | DIP-14    | Quad bilateral switch                                   | .37        | .32  | .29  |
| 511-4017             | HCF4017BEY    | DIP-16    | Decade counter/divider                                  | .39        | .31  | .27  |
| 511-4019             | HCF4019BEY    | DIP-16    | Quad AND/OR selectable gate                             | .39        | .34  | .30  |
| 511-4020             | HCF4020BEY    | DIP-16    | 14-stage binary/ripple counter                          | .35        | .28  | .22  |
| 511-4021             | HCF4021BEY    | DIP-16    | 8-stage static shift register                           | .38        | .30  | .23  |
| 511-4024             | HCF4024BEY    | DIP-14    | 7-stage binary/ripple counter                           | .29        | .23  | .18  |
| 511-4025             | HCF4025BEY    | DIP-14    | Triple 3-input NOR gate                                 | .25        | .20  | .18  |
| 511-4028             | HCF4028BEY    | DIP-16    | BCD-to-decimal decoder                                  | .38        | .30  | .23  |
| 511-4030             | HCF4030BEY    | DIP-14    | Quad exclusive OR gate                                  | .28        | .22  | .19  |
| 511-4040             | HCF4040BEY    | DIP-16    | 12-stage binary/ripple counter                          | .41        | .32  | .25  |
| 511-4041U            | HCF4041UBEY   | DIP-14    | Quad true/complement buffer                             | .58        | .46  | .36  |
| 511-4042             | HCF4042BEY    | DIP-16    | Quad clocked D-latch                                    | .43        | .37  | .33  |
| 511-4047             | HCF4047BEY    | DIP-14    | Monostable/astable multivibrator                        | .35        | .28  | .22  |
| 511-4049U            | HCF4049UBEY   | DIP-16    | Hex inverting buffer/converter                          | .25        | .20  | .18  |
| 511-4050             | HCF4050BEY    | DIP-16    | Hex non-inverting buffer/converter                      | .28        | .22  | .17  |
| 511-4051             | HCF4051BEY    | DIP-16    | Single 8-channel analog multiplexer/demultiplexer       | .32        | .25  | .20  |
| 511-4052             | HCF4052BEY    | DIP-16    | Differential 4-channel analog multiplexer/demultiplexer | .38        | .30  | .23  |
| 511-4053             | HCF4053BEY    | DIP-16    | Triple 2-channel analog multiplexer/demultiplexer       | .28        | .22  | .17  |
| 511-4056             | HCF4056BEY    | DIP-16    | BCD-to-7 segment decoder/driver                         | .60        | .53  | .47  |
| 511-4060             | HCF4060BEY    | DIP-16    | 14-stage counter/driver & oscillator                    | .38        | .30  | .23  |
| 511-4066             | HCF4066BEY    | DIP-14    | Quad bilateral switch                                   | .25        | .20  | .15  |
| 511-4069U            | HCF4069UBEY   | DIP-14    | Hex inverter  | .22        | .17  | .15  |
| 511-4070             | HCF4070BEY    | DIP-14    | Quad exclusive OR gate                                  | .22        | .17  | .15  |
| 511-4071             | HCF4071BEY    | DIP-14    | Quad 2-input OR gate                                    | .22        | .17  | .15  |
| 511-4073             | HCF4073BEY    | DIP-14    | Triple 3-input AND gate                                 | .31        | .27  | .24  |
| 511-4075             | HCF4075BEY    | DIP-14    | Dual 4-input NAND gate                                  | .43        | .37  | .33  |
| 511-4081             | HCF4081BEY    | DIP-14    | Quad 2-input AND gate                                   | .22        | .17  | .15  |
| 511-4093             | HCF4093BEY    | DIP-14    | Quad 2-input NAND schmitt trigger                       | .28        | .22  | .17  |
| 511-4094             | HCF4094BEY    | DIP-16    | 8-stage shift-and-store bus register                    | .28        | .22  | .17  |
| 511-4098             | HCF4098BEY    | DIP-16    | Dual monostable multivibrator                           | .44        | .35  | .27  |
| 511-4099             | HCF4099BEY    | DIP-16    | 8-bit addressable latch                                 | .46        | .37  | .29  |
| 511-4511             | HCF4511BEY    | DIP-16    | BCD-to-7 segment latch/decoder/driver                   | .46        | .37  | .29  |
| 511-4518             | HCF4518BEY    | DIP-16    | Dual BCD up counter                                     | .44        | .34  | .30  |
| 511-4520             | HCF4520BEY    | DIP-16    | Dual binary up counter                                  | .44        | .35  | .27  |
| 511-4536             | HCF4536BEY    | DIP-16    | Programmable timer                                      | .46        | .37  | .29  |
| 511-4538             | HCF4538BEY    | DIP-16    | Dual precision monostable multivibrator                 | .38        | .30  | .23  |
| 511-4541             | HCF4541BEY    | DIP-14    | Programmable timer                                      | .32        | .25  | .20  |
| 511-4556             | HCF4556BEY    | DIP-16    | Dual 1-of-4 decoder/demultiplexer (output low)          | .44        | .35  | .27  |
| 511-40103            | HCF40103BEY   | DIP-16    | Presetable 8-bit binary down counter                    | .64        | .50  | .45  |
| 511-40106            | HCF40106BEY   | DIP-14    | Hex schmitt trigger                                     | .26        | .21  | .16  |
| 511-40107            | HCF40107BEY   | DIP-8     | Dual 2-input NAND buffer/driver                         | .32        | .25  | .20  |
| 511-40109            | HCF40109BEY   | DIP-16    | Quad low-to-high voltage level shifter                  | .39        | .34  | .30  |
| 511-40161            | HCF40161BEY   | DIP-16    | Binary counter/asynchronous clear                       | .44        | .35  | .27  |

## ADVANCED LOGIC - LEVEL TRANSLATORS

- Supply voltage: 1.4 to 3.6 V
- Operating temperature: -40°C to +85°C

For quantities of 1000 and up, call for quote.

| <b>Surface Mount</b> |             |             |  |      |      |     |
|----------------------|-------------|-------------|--|------|------|-----|
| 511-ST4G3234BJR      | ST4G3234BJR | FlipChip-11 | 4-bit dual supply bus buffer with a side series resistor | 1.23 | 1.11 | .88 |
| 511-ST4G3235BJR      | ST4G3235BJR | FlipChip-11 | 4-bit dual supply bus buffer with a side series resistor | 1.23 | 1.11 | .88 |

## POWER LOGIC (STPIC SERIES)

- Supply voltage: 4.5 to 5.5V
- Operating temperature: -40°C to +125°C

For quantities of 1000 and up, call for quote.

| <b>Surface Mount</b> |             |         |   |      |      |      |
|----------------------|-------------|---------|---|------|------|------|
| 511-STPIC44L02P      | STPIC44L02P | SSOP-24 | 4-channel serial & parallel low side pre-FET driver | 1.98 | 1.68 | 1.49 |

