

MC14000: Metal Gate CMOS Logic Integrated Circuits

| Mfr.'s Type |            | Description                                                            | No. of Leads | Mfr.'s Type |           | Description                                                      | No. of Leads |
|-------------|------------|------------------------------------------------------------------------|--------------|-------------|-----------|------------------------------------------------------------------|--------------|
| PDIP        | SOIC       |                                                                        |              | PDIP        | SOIC      |                                                                  |              |
| MC14001BCP  | MC14001BD  | Quad 2-Input NOR Gate                                                  | 14           | MC14077BCP  | —         | Quad Exclusive NOR Gate                                          | 14           |
| MC14001UBCP | —          | Quad 2-Input NOR Gate, Inverting/Non-Buffered                          | 14           | MC14081BCP  | MC14081BD | Quad 2-Input AND Gate                                            | 14           |
| MC14008BCP  | —          | 4-Bit Full Adder                                                       | 16           | MC14082BCP  | —         | Dual 4-Input AND Gate                                            | 14           |
| MC14011BCP  | MC14011BD  | Quad 2-Input NAND Gate                                                 | 14           | MC14093BCP  | MC14093BD | Quad 2-Input NAND Schmitt Trigger                                | 14           |
| MC14011UBCP | —          | Quad 2-Input NAND Gate, Inverting/Non-Buffered                         | 14           | MC14094BCP  | MC14094BD | 8-Bit Shift/Store Register With 3-State Outputs                  | 16           |
| MC14012BCP  | —          | Dual 4-Input NAND Gate                                                 | 14           | MC14098BCP  | —         | 8-Bit Addressable Latch                                          | 16           |
| MC14013BCP  | MC14013BD  | Dual Type D Flip-Flop                                                  | 14           | MC14106BCP  | MC14106BD | Hex Schmitt Trigger                                              | 14           |
| MC14014BCP  | —          | 8-Bit Static Shift Register, Synchronous Parallel Input/Serial Output  | 16           | MC14174BCP  | —         | Hex D-Type Flip-Flop                                             | 16           |
| MC14015BCP  | —          | Dual 4-Bit Static Shift Register, Serial Input/Parallel Output         | 16           | MC14175BCP  | —         | Quad D-Type Flip-Flop                                            | 16           |
| MC14016BCP  | —          | Quad Analog Switch/Quad Multiplexer                                    | 14           | MC14490P    | MC14490DW | Hex Contact Bounce Eliminator                                    | 16           |
| MC14017BCP  | MC14017BD  | 5-Stage Johnson Decade Counter with Code Converter, Divide by N        | 16           | MC14503BCP  | —         | Hex Non-Inverting 3-State Buffer                                 | 16           |
| MC14018BCP  | —          | Presetable/Resettable Divide By N Johnson Counter                      | 16           | MC14504BCP  | MC14504BD | Hex Level Shifter For TTL To CMOS Or CMOS To CMOS                | 16           |
| MC14020BCP  | —          | 14-Bit Binary Counter                                                  | 16           | MC14511BCP  | —         | BCD To Seven Segment Latch/Decoder/Driver                        | 16           |
| MC14021BCP  | —          | 8-Bit Static Shift Register, Asynchronous Parallel Input/Serial Output | 16           | MC14512BCP  | —         | 8-Channel Data Selector                                          | 16           |
| MC14022BCP  | —          | 4-Stage Johnson Octal Counter                                          | 16           | MC14513BCP  | —         | BCD To Seven Segment Latch/Decoder/Driver With Ripple Blanking   | 18           |
| MC14023BCP  | MC14023BD  | Triple 3-Input NAND Gate                                               | 14           | MC14514BCP  | —         | 4-Bit Transparent Latch/4 To 16 Line Decoder, Active High Output | 24           |
| MC14024BCP  | —          | 7-Stage Ripple Counter                                                 | 14           | MC14515BCP  | —         | 4-Bit Transparent Latch/4 To 16 Line Decoder, Active Low Output  | 24           |
| MC14025BCP  | —          | Triple 3-Input NOR Gate                                                | 14           | MC14516BCP  | —         | Binary Up/Down Counter                                           | 16           |
| MC14027BCP  | —          | Dual J-K Flip-Flop                                                     | 16           | MC14518BCP  | —         | Dual BCD Up Counter                                              | 16           |
| MC14028BCP  | —          | BCD To Decimal Decoder, Binary To Octal Decoder                        | 16           | MC14520BCP  | —         | Dual Binary Up Counter                                           | 16           |
| MC14029BCP  | —          | Binary/Decade Up/Down Counter                                          | 16           | MC14521BCP  | —         | 24-Stage Frequency Divider                                       | 16           |
| MC14040BCP  | —          | 12-Bit Binary Counter                                                  | 16           | MC14526BCP  | —         | Presetable 4-Bit Binary Down Counter                             | 16           |
| MC14042BCP  | —          | Quad Transparent Latch                                                 | 16           | MC14528BCP  | —         | Dual Monostable Multivibrator                                    | 16           |
| MC14043BCP  | —          | Quad NOR R-S Latch                                                     | 16           | MC14532BCP  | —         | 8-Bit Priority Encoder                                           | 16           |
| MC14044BCP  | —          | Quad NAND R-S Latch                                                    | 16           | MC14536BCP  | —         | Programmable Timer, 24 Stage Binary Ripple Counter               | 16           |
| MC14046BCP  | MC14046BDW | Phase Locked Loop                                                      | 16           | MC14538BCP  | MC14538BD | Dual Precision Monostable Multivibrator                          | 16           |
| MC14049BCP  | MC14049BD  | Hex Inverter/Buffer                                                    | 16           | MC14541BCP  | MC14541BD | Dual Precision Retriggerable/Resettable Monostable Multivibrator | 16           |
| MC14049UBCP | MC14049UBD | Hex Inverter/Buffer                                                    | 16           | MC14543BCP  | MC14543BD | Programmable 16 Stage Timer with Oscillator                      | 16           |
| MC14050BCP  | MC14050BD  | Hex Non-Inverting Buffer                                               | 16           | MC14551BCP  | —         | BCD To Seven Segment Latch/Decoder/Driver For LCDs               | 16           |
| MC14051BCP  | MC14051BD  | 8-Channel Analog Multiplexer/Demultiplexer                             | 16           | MC14553BCP  | —         | Quad 2-Channel Analog Multiplexer/Demultiplexer                  | 16           |
| MC14052BCP  | —          | Dual 4-Channel Analog Multiplexer/Demultiplexer                        | 16           | MC14555BCP  | —         | Synchronous 3-Digit BCD Counter                                  | 16           |
| MC14053BCP  | MC14053BD  | Triple 2-Channel Analog Multiplexer/Demultiplexer                      | 16           | MC14556BCP  | —         | Dual Binary To 1 Of 4 Decoder/Demultiplexer, Active High Outputs | 16           |
| MC14060BCP  | MC14060BD  | 14-Bit Binary Ripple Counter and Oscillator                            | 16           | MC14557BCP  | —         | Dual Binary To 1 Of 4 Decoder/Demultiplexer, Active Low Outputs  | 16           |
| MC14066BCP  | MC14066BD  | Quad Analog Switch/Quad Multiplexer                                    | 14           | MC14562BCP  | —         | 1 To 64-Bit Variable Length Shift Register                       | 16           |
| MC14067BCP  | —          | 16-Channel Analog Multiplexer/Demultiplexer                            | 24           | MC14569BCP  | —         | 128-Bit Static Shift Register                                    | 14           |
| MC14069UBCP | MC14069UBD | Hex Inverter                                                           | 14           | MC14572UBCP | —         | Programmable Divide By N Dual 4-Bit Binary/BCD Down Counter      | 16           |
| MC14070BCP  | MC14070BD  | Quad Exclusive OR Gate                                                 | 14           | MC14584BCP  | MC14584BD | Quad Inverter, 2-Input NOR Gate, 2-Input NAND Gate               | 16           |
| MC14071BCP  | MC14071BD  | Quad 2-Input OR Gate                                                   | 14           | —           | —         | Hex Schmitt Trigger                                              | 14           |
| MC14073BCP  | —          | Triple 3-Input AND Gate                                                | 14           | MC14585BCP  | —         | 4-Bit Magnitude Comparator                                       | 16           |
| MC14076BCP  | —          | 4-Bit D-Type Register with 3-State Outputs                             | 16           | —           | —         | —                                                                | —            |

MC74LCX: Low Voltage CMOS Logic Integrated Circuits

| Mfr.'s Type |              | Description                  | No. of Leads | Mfr.'s Type  |       | Description                                     | No. of Leads |
|-------------|--------------|------------------------------|--------------|--------------|-------|-------------------------------------------------|--------------|
| SOIC        | TSSOP        |                              |              | SOIC         | TSSOP |                                                 |              |
| MC74LCX00D  | MC74LCX00DT  | 3.3 V Quad 2-Input NAND Gate | 14           | MC74LCX244DW | —     | 3.3 V Octal Buffer, 3-State                     | 20           |
| —           | MC74LCX125DT | 3.3 V Quad Buffer, 3-State   | 14           | MC74LCX541DW | —     | 3.3 V Octal Buffer Flow Through Pinout, 3-State | 20           |

MC74LVX: Low Voltage CMOS Logic Integrated Circuits

| Mfr.'s Type   | Description                                              | No. of Leads |
|---------------|----------------------------------------------------------|--------------|
| SOIC          |                                                          |              |
| MC74LVX4245DW | 3.3 V Dual Supply Octal Translating Transceiver, 3-State | 20, 24       |

MC74AC and MC74ACT: FACT, Very High Speed, Low Power Advanced CMOS Logic Integrated Circuits

| Mfr.'s Type |             |             |              | Description                                                  | No. of Leads |
|-------------|-------------|-------------|--------------|--------------------------------------------------------------|--------------|
| MC74AC      |             | MC74ACT     |              |                                                              |              |
| PDIP        | SOIC        | PDIP        | SOIC         |                                                              |              |
| MC74AC00N   | MC74AC00D   | MC74ACT00N  | —            | Quad 2-Input NAND Gate                                       | 14           |
| MC74AC02N   | MC74AC02D   | —           | —            | Quad 2-Input NOR Gate                                        | 14           |
| MC74AC04N   | MC74AC04D   | MC74ACT04N  | MC74ACT04D   | Hex Inverter                                                 | 14           |
| MC74AC05N   | —           | —           | MC74ACT05D   | Hex Inverter with Open-Drain Outputs                         | 14           |
| MC74AC08N   | MC74AC08D   | MC74ACT08N  | MC74ACT08D   | Quad 2-Input AND Gate                                        | 14           |
| MC74AC138N  | —           | MC74ACT138N | MC74ACT138D  | 1-of-8 Decoder/Demultiplexer                                 | 16           |
| MC74AC14N   | MC74AC14D   | MC74ACT14N  | MC74ACT14D   | Hex Inverter Schmitt Trigger                                 | 14           |
| MC74AC161N  | —           | MC74ACT161N | MC74ACT161D  | Synchronous Presettable Binary Counter                       | 16           |
| MC74AC163N  | —           | —           | —            | Synchronous Presettable Binary Counter                       | 16           |
| MC74AC244N  | —           | MC74ACT244N | —            | Octal Buffer/Line Driver With 3-State Outputs                | 20           |
| MC74AC245N  | —           | MC74ACT245N | —            | Octal Bidirectional Transceiver With 3-State Outputs         | 20           |
| —           | —           | MC74ACT273N | MC74ACT273DW | Octal D Flip-Flop                                            | 20           |
| MC74AC32N   | MC74AC32D   | —           | MC74ACT32D   | Quad 2-Input OR Gate                                         | 14           |
| —           | —           | —           | MC74ACT374DW | Octal D-Type Flip-Flop With 3-State Outputs                  | 20           |
| MC74AC540N  | —           | —           | —            | Octal Buffer/Line Driver With 3-State Outputs                | 20           |
| MC74AC541N  | MC74AC541DW | MC74ACT541N | MC74ACT541DW | Octal Buffer/Line Driver With 3-State Outputs, Non-Inverting | 20           |
| MC74AC573N  | —           | —           | MC74ACT573DW | Octal D-Type Latch With 3-State Outputs                      | 20           |
| —           | —           | —           | MC74ACT574DW | Octal D-Type Flip-Flop With 3-State Outputs                  | 20           |
| MC74AC74N   | MC74AC74D   | MC74ACT74N  | MC74ACT74D   | Dual D-Type Positive Edge Triggered Flip-Flop                | 14           |
| MC74AC86N   | MC74AC86D   | MC74ACT86N  | —            | Quad 2-Input Exclusive OR Gate                               | 14           |