

MECL 10K INTEGRATED CIRCUITS

MC10,100/10,200 Series
-30 to 85°C

Function Selection — (-30° to +85°C)

| Function | Device | Case |
|--|---------|---------------|
| NOR Gates | | |
| Quad 2-Input Gate/Strobe | MC10100 | 620, 648, 775 |
| Quad 2-Input Gate | MC10102 | 620, 648, 775 |
| Triple 4-3-3 Input Gate | MC10106 | 620, 648, 775 |
| Dual 3-Input 3-Output Gate | MC10111 | 620, 648, 775 |
| Dual 3-Input 3-Output Gate | MC10211 | 620, 648, 775 |
| OR Gates | | |
| Quad 2-Input Gate | MC10103 | 620, 648, 775 |
| Dual 3-Input 3-Output Gate | MC10110 | 620, 648, 775 |
| Dual 3-Input 3-Output Gate | MC10210 | 620, 648, 775 |
| AND Gates | | |
| Quad 2-Input Gate | MC10104 | 620, 648, 775 |
| Hex Gate | MC10197 | 620, 648, 775 |
| Complex Gates | | |
| Quad OR/NOR Gate | MC10101 | 620, 648, 775 |
| Triple 2-3-2 Input OR/NOR Gate | MC10105 | 620, 648, 775 |
| Dual 4-5 Input OR/NOR Gate | MC10109 | 620, 648, 775 |
| Dual 3-Input 3-Output OR/NOR Gate | MC10212 | 620, 648, 775 |
| Triple 2-Input Exclusive OR/NOR Gate | MC10107 | 620, 648, 775 |
| Quad 2-Input Exclusive OR/NOR Gate | MC10113 | 620, 648, 775 |
| Dual 2-Wide 2-3 Input OR-AND/OR-AND INVERT | MC10117 | 620, 648, 775 |
| Dual 2-Wide 3-Input OR-AND | MC10118 | 620, 648, 775 |
| 4-Wide 4-3-3-3 Input OR-AND | MC10119 | 620, 648, 775 |
| 4-Wide 3-Input OR-AND/OR-AND INVERT | MC10121 | 620, 648, 775 |
| Buffers/Inverters | | |
| Hex Buffer/Enable | MC10188 | 620, 648, 775 |
| Hex Inverter/Enable | MC10189 | 620, 648, 775 |
| Hex Inverter/Buffer | MC10195 | 620, 648, 775 |
| Line Drivers/Line Receivers | | |
| Triple Line Receiver | MC10114 | 620, 648, 775 |
| Quad Line Receiver | MC10115 | 620, 648, 775 |
| Triple Line Receiver | MC10116 | 620, 648, 775 |
| Quad Bus Receiver | MC10129 | 620 |
| Quad Bus Driver | MC10192 | 620, 648, 775 |
| Triple Line Receiver | MC10216 | 620, 648, 775 |
| Triple 4-3-3 Input Bus Driver | MC10123 | 620, 648, 775 |
| Dual Bus Driver | MC10128 | 620 |
| Translators | | |
| Quad TTL-MECL | MC10124 | 620, 648, 775 |
| Quad MECL-TTL | MC10125 | 620, 648, 775 |
| Quad MST to MECL | MC10190 | 620, 648, 775 |

| Function | Device | Case |
|----------------------------------|---------|---------------|
| Flip-Flop/Latches | | |
| Dual D Master Slave Flip-Flop | MC10131 | 620, 648, 775 |
| Dual J-K Master Slave Flip-Flop | MC10135 | 620, 648, 775 |
| Hex D Master Slave Flip-Flop | MC10176 | 620, 648, 775 |
| Hex D Common Reset Flip-Flop | MC10186 | 620, 648, 775 |
| Dual D Master Slave Flip-Flop | MC10231 | 620, 648, 775 |
| Quad Latch | MC10133 | 620, 648, 775 |
| Quint Latch | MC10175 | 620, 648, 775 |
| Quad/Common Clock Latch | MC10188 | 620, 648, 775 |
| Quad/Negative Clock Latch | MC10153 | 620, 648, 775 |
| Dual Latch | MC10130 | 620, 648, 775 |
| Encoders | | |
| 8-Input Encoder | MC10165 | 620, 648, 775 |
| Decoders | | |
| Binary to 1-8 (Low) | MC10161 | 620, 648, 775 |
| Binary to 1-8 (High) | MC10162 | 620, 648, 775 |
| Dual Binary to 1-4 (Low) | MC10171 | 620, 648, 775 |
| Dual Binary to 1-4 (High) | MC10172 | 620, 648, 775 |
| Parity Generator/Checkers | | |
| 12-Bit Parity Generator-Checker | MC10160 | 620, 648, 775 |
| 9 + 2 Bit Parity | MC10170 | 620, 648, 775 |
| Counters | | |
| Hexadecimal | MC10136 | 620, 648, 775 |
| Decade | MC10137 | 620, 648 |
| Biquinary | MC10138 | 620, 648, 775 |
| Binary Down Counter | MC10154 | 620, 648 |
| Binary | MC10178 | 620, 648, 775 |
| Arithmetic Functions | | |
| 5-Bit Magnitude Comparator | MC10166 | 620, 648, 775 |
| 4-Bit Arithmetic Function Gen. | MC10181 | 623, 649 |
| Shift Register | | |
| 4-Bit Universal | MC10141 | 620, 648, 775 |
| Multivibrators | | |
| Monostable Multivibrators | MC10198 | 620, 648, 775 |
| Multiplexer | | |
| Quad 2-Input/Noninverting | MC10158 | 620, 648, 775 |
| Dual Multiplexer/Latch | MC10132 | 620, 648 |
| Dual Multiplexer/Latch | MC10134 | 620, 648, 775 |
| Quad 2-Input/Inverting | MC10159 | 620, 648, 775 |
| 8-Line | MC10164 | 620, 648, 775 |
| Quad 2-Input/Latch | MC10173 | 620, 648, 775 |
| Dual 4-1 | MC10174 | 620, 648, 775 |