

MAXIM Analog ICs



This product is RoHS compliant.



ANALOG ICs

MAXIM

PRECISION DIGITAL-TO-ANALOG CONVERTERS (DACs) (CONT.)

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

| MOUSER STOCK NO. | Maxim Part No. | Package | Res. (bits) | Channels | Output Type | Interface | INL (Max) (±LSB) | I _{cc} (mA) (Max) | Supply Range (V) (Min/Max) | Price Each | | |
|-------------------|----------------|----------|-------------|----------|----------------|-------------|------------------|----------------------------|----------------------------|------------|----|-----|
| | | | | | | | | | | 1 | 25 | 100 |
| ◆ 700-MX7837JR | MX7837JR+ | SOIC-24W | 12 | 2 | Volt Buffered | Parallel-BW | 1 | 10 | 16.5 | | | |
| ◆ 700-MX7847JN | MX7847JN+ | PDIP-24 | 12 | 2 | Volt Buffered | Parallel-FW | 1 | 10 | 16.5 | | | |
| ◆ 700-MX7847JR | MX7847JR+ | SOIC-24W | 12 | 2 | Volt Buffered | Parallel-FW | 1 | 10 | 16.5 | | | |
| ◆ 700-MAX535BCUA | MAX535BCUA+ | µMAX-8 | 13 | 1 | Volt Buffered | Serial SPI | 0.5 | 0.4 | 4.5/5.5 | | | |
| ◆ 700-MAX5141EUA | MAX5141EUA+ | µMAX-8 | 14 | 1 | Volt Unbuff | Serial SPI | 1 | 0.2 | 4.5/5.5 | | | |
| ◆ 700-MAX5142EUB | MAX5142EUB+ | µMAX-10 | 14 | 1 | Volt Unbuff | Serial SPI | 1 | 0.2 | 4.5/5.5 | | | |
| ◆ 700-MAX5143EUA | MAX5143EUA+ | µMAX-8 | 14 | 1 | Volt Unbuff | Serial SPI | 1 | 0.2 | 2.7/3.6 | | | |
| ◆ 700-MAX5170AEEE | MAX5170AEEE+ | QSOP-16 | 14 | 1 | Volt Buffered | Serial SPI | 1 | 0.4 | 4.5/5.5 | | | |
| ◆ 700-MAX5170BEEE | MAX5170BEEE+ | QSOP-16 | 14 | 1 | Volt Buffered | Serial SPI | 2 | 0.4 | 4.5/5.5 | | | |
| ◆ 700-MX7538KEWVG | MX7538KEWVG+ | SOIC-24W | 14 | 1 | Volt Unbuff | Parallel-FW | 2 | 4 | 11.4/15.75 | | | |
| ◆ 700-MAX5134AGTG | MAX5134AGTG+ | TQFN-24 | 16 | 4 | Volt Buffered | Serial SPI | 10 | 3.6 | 2.7/5.5 | | | |
| ◆ 700-MAX5136AGTG | MAX5136AGTG+ | TQFN-24 | 16 | 2 | Volt Buffered | Serial SPI | 8 | 3.6 | 2.7/5.5 | | | |
| ◆ 700-MAX541ACSA | MAX541ACSA+ | SOIC-8 | 16 | 1 | Volt Unbuff | Serial SPI | 1 | 1.1 | 4.75/5.5 | | | |
| ◆ 700-MAX541AESA | MAX541AESA+ | SOIC-8 | 16 | 1 | Volt Unbuff | Serial SPI | 1 | 1.1 | 4.75/5.5 | | | |
| ◆ 700-MAX541BCPA | MAX541BCPA+ | PDIP-8 | 16 | 1 | Volt Unbuff | Serial SPI | 2 | 1.1 | 4.75/5.5 | | | |
| ◆ 700-MAX541CCPA | MAX541CCPA+ | PDIP-8 | 16 | 1 | Volt Unbuff | Serial SPI | 4 | 1.1 | 4.75/5.5 | | | |
| ◆ 700-MAX541CCSA | MAX541CCSA+ | SOIC-8 | 16 | 1 | Volt Unbuff | Serial SPI | 4 | 1.1 | 4.75/5.5 | | | |
| ◆ 700-MAX542BCSD | MAX542BCSD+ | SOIC-14 | 16 | 1 | Volt Unbuff | Serial SPI | 2 | 1.1 | 4.75/5.5 | | | |
| ◆ 700-MAX542CCSD | MAX542CCSD+ | SOIC-14 | 16 | 1 | Volt Unbuff | Serial SPI | 4 | 1.1 | 4.75/5.5 | | | |
| ◆ 700-MAX5441ACUA | MAX5441ACUA+ | µMAX-8 | 16 | 1 | Volt Unbuff | Serial SPI | 2 | 0.2 | 4.5/5.5 | | | |
| ◆ 700-MAX5442ACUB | MAX5442ACUB+ | µMAX-10 | 16 | 1 | Volt Unbuff | Serial SPI | 2 | 0.2 | 4.5/5.5 | | | |
| ◆ 700-MAX5443AEUA | MAX5443AEUA+ | µMAX-8 | 16 | 1 | Volt Unbuff | Serial SPI | 2 | 0.2 | 2.7/3.6 | | | |
| ◆ 700-MAX5661GCB | MAX5661GCB+ | LQFP-64 | 16 | 1 | Curr/Volt Buff | Serial SPI | 10 | --- | 4.75/5.25 | | | |

HIGH-SPEED DIGITAL-TO-ANALOG CONVERTERS (DACs)

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

| MOUSER STOCK NO. | Maxim Part No. | Package | Res. (bits) | f _{clk} (MSPS) | Channels | Interface | INL (±LSB) | DNL (±LSB) | Supply Voltage (V) | Price Each | | |
|-------------------|----------------|---------|-------------|-------------------------|----------|----------------|------------|------------|--------------------|------------|----|-----|
| | | | | | | | | | | 1 | 25 | 100 |
| ◆ 700-MAX5190BEEG | MAX5190BEEG+ | QSOP-24 | 8 | 40 | 1 | Parallel | 0.25 | 0.25 | 3 | | | |
| ◆ 700-MAX5181BEEG | MAX5181BEEG+ | QSOP-24 | 10 | 40 | 1 | Parallel | 0.5 | 0.5 | 3 | | | |
| ◆ 700-MAX5180BEEI | MAX5180BEEI+ | QSOP-28 | 10 | 40 | 2 | Parallel | 0.5 | 0.5 | 3 | | | |
| ◆ 700-MAX5183BEEI | MAX5183BEEI+ | QSOP-28 | 10 | 40 | 2 | Parallel | 0.5 | 0.5 | 3 | | | |
| ◆ 700-MAX5853ETL | MAX5853ETL+ | TQFN-40 | 10 | 80 | 2 | Parallel | 0.25 | 0.2 | 3.3,3 | | | |
| ◆ 700-MAX5854ETL | MAX5854ETL+ | TQFN-40 | 10 | 165 | 2 | Parallel | 0.25 | 0.2 | 3.3,3 | | | |
| ◆ 700-MAX5886EGKD | MAX5886EGK+D | QFN-68 | 12 | 500 | 1 | Parallel, LVDS | 0.2 | 0.15 | 3.3 | | | |
| ◆ 700-MAX5895EGKD | MAX5895EGK+D | QFN-68 | 16 | 500 | 2 | Parallel | 3 | 1 | 1.8,3.3 | | | |

TOUCH INTERFACE ICs

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

| MOUSER STOCK NO. | Maxim Part No. | Package | Controller Type | Interface | Channels | Touch Pressure Management | Digital Supply Voltage | | Price Each | | |
|---------------------|----------------|---------|-----------------|-----------|----------|---------------------------|------------------------|-------|------------|----|-----|
| | | | | | | | (Min) | (Max) | 1 | 25 | 100 |
| ◆ 700-MAX11811ETP | MAX11811ETP+ | TQFN-20 | Resistive | I2C | 4 | Yes | 1.7 | 3.6 | | | |
| ◆ 700-MAX11811GTP/V | MAX11811GTP/V+ | TQFN-20 | Resistive | I2C | 4 | Yes | 1.7 | 3.6 | | | |
| ◆ 700-MXB7843EEE | MXB7843EEE+ | QSOP-16 | Resistive | QSPI, SPI | 4 | Yes | 2.375 | 5.25 | | | |
| ◆ 700-MXB7846EEE | MXB7846EEE+ | QSOP-16 | Resistive | QSPI, SPI | 4 | Yes | 2.375 | 5.25 | | | |

UART INTERFACE ICs

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

| MOUSER STOCK NO. | Maxim Part No. | Package | Description | Micro Compatible Interface | ICC (Typ)(mA) | Supply Voltage (V) | Price Each | | |
|----------------------|-----------------|----------|--|----------------------------|---------------|--------------------|------------|----|-----|
| | | | | | | | 1 | 25 | 100 |
| ◆ 700-DS2480B | DS2480B+ | SOIC-8 | UART Protocol (5V RS-232) to 1-Wire | - | 3 | 4.5 to 5.5 | | | |
| ◆ 700-MAX3100CEE | MAX3100CEE+ | QSOP-16 | UART Interface for Small Micro Systems | SPI & Microwire | 0.27 | 3.3,3.5 | | | |
| ◆ 700-MAX3100CPD | MAX3100CPD+ | PDIP-14 | UART Interface for Small Micro Systems | SPI & Microwire | 0.27 | 3.3,3.5 | | | |
| ◆ 700-MAX3100EEE | MAX3100EEE+ | QSOP-16 | UART Interface for Small Micro Systems | SPI & Microwire | 0.27 | 3.3,3.5 | | | |
| ◆ 700-MAX3100EPD | MAX3100EPD+ | PDIP-14 | UART Interface for Small Micro Systems | SPI & Microwire | 0.27 | 3.3,3.5 | | | |
| ◆ 700-MAX3110ECNIG36 | MAX3110ECNI+G36 | PDIP-28 | UART w/±15kV ESD Prot RS-232 Transcvr | SPI & Microwire | 0.6 | 3.3 | | | |
| ◆ 700-MAX3110ECWIG36 | MAX3110ECWI+G36 | SOIC-28W | UART w/±15kV ESD Prot RS-232 Transcvr | SPI & Microwire | 0.6 | 3.3 | | | |
| ◆ 700-MAX3111ECWIG36 | MAX3111ECWI+G36 | SOIC-28W | UART w/±15kV ESD Prot RS-232 Transcvr | SPI & Microwire | 0.6 | 5 | | | |
| ◆ 700-MAX3111EEWIG36 | MAX3111EEWI+G36 | SOIC-28W | UART w/±15kV ESD Prot RS-232 Transcvr | SPI & Microwire | 0.6 | 5 | | | |
| ◆ 700-MAX3140CEI | MAX3140CEI+ | QSOP-28 | UART w/Fail-Safe RS-485/422 Transcvr | SPI & Microwire | 0.7 | 5 | | | |

RS-232 LINE DRIVERS/RECEIVERS

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

| MOUSER STOCK NO. | Maxim Part No. | Package | Drivers Per Package | Receivers Per Package | Internal Charge Pump | Supply Voltage | ESD (kV) | Signaling Rate (kbps) | I _{cc} (Typ)(mA) | Price Each | | |
|----------------------|-----------------|----------|---------------------|-----------------------|----------------------|----------------|----------|-----------------------|---------------------------|------------|----|-----|
| | | | | | | | | | | 1 | 25 | 100 |
| ◆ 700-MAX218CPP | MAX218CPP+ | PDIP-20 | 2 | 2 | Yes | 1.8 | - | 120 | 1.9 | | | |
| ◆ 700-MAX3218CAP | MAX3218CAP+ | SSOP-20 | 2 | 2 | Yes | 1.8 | - | 120 | 2 | | | |
| ◆ 700-MAX560CAI | MAX560CAI+ | SSOP-28 | 4 | 5 | Yes | 3.3 | - | 116 | 5 | | | |
| ◆ 700-MAX563CWN | MAX563CWN+ | SOIC-18W | 2 | 2 | Yes | 3.3 | - | 116 | 3 | | | |
| ◆ 700-MAX3233ECWPG36 | MAX3233ECWP+G36 | SOIC-20W | 2 | 2 | Yes | 3.3 | 15 | 250 | 0.3 | | | |
| ◆ 700-MAX3233EEWPG36 | MAX3233EEWP+G36 | SOIC-20W | 2 | 2 | Yes | 3.3 | 15 | 250 | 0.3 | | | |
| ◆ 700-MAX1489ECSD | MAX1489ECSD+ | SOIC-14 | 0 | 4 | No | 5 | 15 | 120 | 0.35 | | | |
| ◆ 700-MAX202CPE | MAX202CPE+ | PDIP-16 | 2 | 2 | Yes | 5 | - | 120 | 8 | | | |
| ◆ 700-MAX202CSE | MAX202CSE+ | SOIC-16 | 2 | 2 | Yes | 5 | - | 120 | 8 | | | |
| ◆ 700-MAX202CWE | MAX202CWE+ | SOIC-16W | 2 | 2 | Yes | 5 | - | 120 | 8 | | | |
| ◆ 700-MAX202CPEP | MAX202CPEP+ | PDIP-16 | 2 | 2 | Yes | 5 | 15 | 120 | 8 | | | |
| ◆ 700-MAX202ECSE | MAX202ECSE+ | SOIC-16 | 2 | 2 | Yes | 5 | 15 | 120 | 8 | | | |
| ◆ 700-MAX202ECWE | MAX202ECWE+ | SOIC-16W | 2 | 2 | Yes | 5 | 15 | 120 | 8 | | | |
| ◆ 700-MAX202EPE | MAX202EPE+ | PDIP-16 | 2 | 2 | Yes | 5 | 15 | 120 | 8 | | | |
| ◆ 700-MAX202ESEE | MAX202ESEE+ | SOIC-16 | 2 | 2 | Yes | 5 | 15 | 120 | 8 | | | |
| ◆ 700-MAX202EWE | MAX202EWE+ | SOIC-16W | 2 | 2 | Yes | 5 | 15 | 120 | 8 | | | |
| ◆ 700-MAX202ESE | MAX202ESE+ | SOIC-16 | 2 | 2 | Yes | 5 | 15 | 120 | 8 | | | |
| ◆ 700-MAX203CPPG36 | MAX203CPP+G36 | PDIP-20 | 2 | 2 | Yes | 5 | - | 116 | 8 | | | |
| ◆ 700-MAX203CWP36 | MAX203CWP+G36 | SOIC-20W | 2 | 2 | Yes | 5 | - | 116 | 8 | | | |
| ◆ 700-MAX203ECWPG36 | MAX203ECWP+G36 | SOIC-20W | 2 | 2 | Yes | 5 | 15 | 120 | 8 | | | |
| ◆ 700-MAX203EEWPG36 | MAX203EEWP+G36 | SOIC-20W | 2 | 2 | Yes | 5 | 15 | 120 | 8 | | | |



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