

# TEXAS INSTRUMENTS Analog ICs



RoHS Compliant This product is RoHS compliant.

Texas Instruments

## CLOCK AND TIMER EVALUATION TOOLS

| MOUSER STOCK NO.  | TI Part No.   | Description  | Price Each |
|-------------------|---------------|--|------------|
| 595-CDCLVC1104EVM | CDCLVC1104EVM | Evaluation Module for CDCLVC1104, low-additive, phase-noise LVCMOS clock buffer                  | 168.09     |
| 595-CDCM9102EVM   | CDCM9102EVM   | Evaluation Module for CDCM9102, a low-jitter clock generator, 2 100-MHz differential clock ports | 212.46     |

## CLOCK CIRCUITS

For quantities greater than listed, call for quote.

| MOUSER STOCK NO.                                       | TI Part No.    | Package             | VCC         | Input Level                     | No. of Outputs | Output Level                    | Price Each |       |       |
|--|----------------|---------------------|-------------|---------------------------------|----------------|---------------------------------|------------|-------|-------|
|  |                |                     |             |                                 |                |                                 | 1          | 25    | 100   |
| <b>Differential Non-PLL Buffers</b>                    |                |                     |             |                                 |                |                                 |            |       |       |
| 595-CDCLVP1102RGTT                                     | CDCLVP1102RGTT | QFN-16              | 2.5/3.3     | LVPECL/LVDS/LVCMOS              | 2              | LVPECL                          | 6.38       | 6.26  | 4.35  |
| 595-CDCP1803RGET                                       | CDCP1803RGET   | VQFN-24             | 3.3         | LVPECL                          | 3              | LVPECL                          | 9.67       | 8.03  | 7.30  |
| 595-CDCLVD1204RGTT                                     | CDCLVD1204RGTT | QFN-16              | 2.5         | LVCMOS/LVDS/LVPECL              | 4              | LVDS                            | 7.26       | 5.43  | 4.95  |
| 595-CDCLVD2102RGTT                                     | CDCLVD2102RGTT | QFN-16              | 2.5         | LVCMOS/LVDS/LVPECL              | 4              | LVDS                            | 7.58       | 5.68  | 5.17  |
| 595-CDCLVP1204RGTT                                     | CDCLVP1204RGTT | QFN-16              | 2.5/3.3     | LVPECL/LVDS/LVCMOS              | 4              | LVPECL                          | 8.36       | 6.25  | 5.70  |
| 595-SN65LVDS104PW                                      | SN65LVDS104PW  | TSSOP-16            | 3.3         | LVDS                            | 4              | LVDS                            | 4.65       | 4.25  | 3.40  |
| 595-SN65LVDS105PW                                      | SN65LVDS105PW  | TSSOP-16            | 3.3         | LVTTTL                          | 4              | LVDS                            | 4.65       | 4.25  | 3.40  |
| 595-CDCLVD1208RHDT                                     | CDCLVD1208RHDT | VQFN-28             | 2.5         | LVCMOS/LVDS/LVPECL              | 8              | LVDS                            | 9.79       | 7.32  | 6.68  |
| 595-CDCLVD2104RHDT                                     | CDCLVD2104RHDT | VQFN-28             | 2.5         | LVCMOS/LVDS/LVPECL              | 8              | LVDS                            | 10.12      | 7.57  | 6.90  |
| 595-CDCLVP1208RHDT                                     | CDCLVP1208RHDT | QFN-28              | 2.5/3.3     | LVPECL/LVDS/LVCMOS              | 8              | LVPECL                          | 13.23      | 9.46  | 8.63  |
| 595-CDCVF25081PW                                       | CDCVF25081PW   | TSSOP-16            | 3.3         | LVTTTL                          | 8              | LVTTTL                          | 3.62       | 3.30  | 2.64  |
| 595-CDCLVD110AVF                                       | CDCLVD110AVF   | LQFP-32             | 2.5         | LVDS                            | 10             | LVDS                            | 13.73      | 13.12 | 9.86  |
| 595-CDCLVD2108RGZT                                     | CDCLVD2108RGZT | VQFN-48             | 2.5         | LVCMOS/LVDS/LVPECL              | 16             | LVDS                            | 15.87      | 13.45 | 12.76 |
| 595-CDCLVP1216RGZT                                     | CDCLVP1216RGZT | QFN-48              | 2.5/3.3     | LVPECL/LVDS/LVCMOS              | 16             | LVPECL                          | 22.54      | 16.12 | 14.70 |
| <b>Differential PLL Buffers</b>                        |                |                     |             |                                 |                |                                 |            |       |       |
| 595-CDCV855PW  | CDCV855PW      | TSSOP-28            | 2.5         | SSTL-2                          | 4              | SSTL-2                          | 3.32       | 3.03  | 2.42  |
| 595-CDCU877GQLT  | CDCU877GQLT    | BGA MICROSTAR JR-52 | 1.8         | SSTL-18                         | 10             | SSTL-18                         | 7.32       | 5.69  | 4.81  |
| 595-CDCU877ZQLT  | CDCU877ZQLT    | BGA MICROSTAR JR-52 | 1.8         | SSTL-18                         | 10             | SSTL-18                         | 7.32       | 5.69  | 4.81  |
| 595-CDCV850DGG   | CDCV850DGG     | TSSOP-48            | 2.5         | SSTL-2, LVTTTL                  | 10             | SSTL-2                          | 5.49       | 5.01  | 4.02  |
| 595-CDCV857ADGG  | CDCV857ADGG    | TSSOP-48            | 2.5         | SSTL-2                          | 10             | SSTL-2                          | 6.46       | 6.02  | 5.43  |
| 595-CDCV857BDGG  | CDCV857BDGG    | TSSOP-48            | 2.5         | SSTL-2                          | 10             | SSTL-2                          | 8.14       | 7.58  | 6.84  |
| <b>General Purpose Frequency Synthesizer</b>           |                |                     |             |                                 |                |                                 |            |       |       |
| 595-CDCE913PW  | CDCE913PW      | TSSOP-14            | 1.8 core    | Crystal/LVCMOS                  | 3              | LVCMOS                          | 5.46       | 4.38  | 3.99  |
| 595-CDCE913PWG4  | CDCE913PWG4    | TSSOP-14            | 1.8         | Crystal, LVCMOS                 | 3              | LVCMOS                          | 4.38       | 3.51  | 3.04  |
| 595-CDCEL913PW   | CDCEL913PW     | TSSOP-14            | 1.8         | Crystal/LVCMOS                  | 3              | LVCMOS                          | 5.46       | 4.38  | 3.99  |
| 595-CDCE925PW  | CDCE925PW      | TSSOP-16            | 1.8 core    | Crystal/LVCMOS                  | 5              | LVCMOS                          | 6.16       | 4.95  | 4.51  |
| 595-CDCEL925PW   | CDCEL925PW     | TSSOP-16            | 1.8         | Crystal/LVCMOS                  | 5              | LVCMOS                          | 6.16       | 4.95  | 4.51  |
| 595-CDCE706PW  | CDCE706PW      | TSSOP-20            | 3.3         | Crystal/LVCMOS/Diff             | 6              | LVTTTL                          | 9.57       | 8.91  | 8.04  |
| 595-CDCE906PW  | CDCE906PW      | TSSOP-20            | 3.3         | Crystal/LVCMOS/Diff             | 6              | LVTTTL                          | 5.83       | 5.43  | 4.90  |
| 595-CDCE937PW  | CDCE937PW      | TSSOP-20            | 1.8 core    | Crystal/LVCMOS                  | 7              | LVCMOS                          | 5.80       | 4.66  | 4.24  |
| 595-CDCEL937PW   | CDCEL937PW     | TSSOP-20            | 1.8         | Crystal/LVCMOS                  | 7              | LVCMOS                          | 6.72       | 5.40  | 4.92  |
| 595-CDCE949PW  | CDCE949PW      | TSSOP-24            | 1.8 core    | Crystal/LVCMOS                  | 9              | LVCMOS                          | 6.63       | 5.43  | 4.90  |
| 595-CDCEL949PW   | CDCEL949PW     | TSSOP-24            | 1.8         | Crystal/LVCMOS                  | 9              | LVCMOS                          | 6.63       | 5.43  | 4.90  |
| <b>Mixed Differential/Single Ended</b>                 |                |                     |             |                                 |                |                                 |            |       |       |
| 595-CDCM1802RGTT                                       | CDCM1802RGTT   | QFN-16              | 3.3         | LVPECL                          | 2              | LVPECL, LVCMOS                  | 10.72      | 9.91  | 9.72  |
| 595-CDCM9102RHBT                                       | CDCM9102RHBT   | QFN-32              | 3.3         | LVPECL, LVDS, LVCMOS, XTAL      | 3              | LVPECL, LVDS, LVCMOS            | 6.13       | 4.90  | 3.92  |
| 595-CDCM1804RGET                                       | CDCM1804RGET   | VQFN-24             | 3.3         | LVPECL/LVDS/HSTL/CML/VML/SSTL-2 | 4              | LVPECL/LVDS/LVCMOS              | 14.61      | 10.45 | 9.53  |
| <b>Multiplier/Divider</b>                              |                |                     |             |                                 |                |                                 |            |       |       |
| 595-CDCVF25084PW                                       | CDCVF25084PW   | TSSOP-16            | 3.3         | LVTTTL                          | -              | LVTTTL                          | 8.60       | 8.01  | 7.23  |
| <b>Phase Aligner</b>                                   |                |                     |             |                                 |                |                                 |            |       |       |
| 595-CDC5801ADBQ  | CDC5801ADBQ    | SSOP-24             | 3.3         | LVCMOS, LVTTTL                  | 1              | LVCMOS, LVTTTL, LVDS            | 11.13      | 9.12  | 8.23  |
| 595-CDCF5801ADBQ                                       | CDCF5801ADBQ   | SSOP-24             | 3.3         | HSTL, LVPECL, LVTTTL            | 1              | LVDS, LVPECL, LVTTTL            | 7.81       | 7.27  | 6.56  |
| <b>Single Ended Non-PLL Buffers</b>                    |                |                     |             |                                 |                |                                 |            |       |       |
| 595-CDCLVC1102PW                                       | CDCLVC1102PW   | TSSOP-8             | 2.5/3.3     | LVCMOS                          | 2              | LVCMOS                          | 2.67       | 2.44  | 1.93  |
| 595-CDCLVC1103PW                                       | CDCLVC1103PW   | TSSOP-8             | 2.5/3.3     | LVCMOS                          | 3              | LVCMOS                          | 2.86       | 2.60  | 1.81  |
| 595-CDCV304PW  | CDCV304PW      | TSSOP-8             | 3.3         | TTL                             | 4              | CMOS                            | 2.90       | 2.65  | 2.12  |
| 595-CDCV304PWG4  | CDCV304PWG4    | TSSOP-8             | 2.5/3.3     | LVTTTL                          | 4              | LVTTTL                          | 2.57       | 2.36  | 1.64  |
| 595-CDCV304PWR   | CDCV304PWR     | TSSOP-8             | 2.5/3.3     | LVTTTL                          | 4              | LVTTTL                          | 2.64       | 2.27  | 2.05  |
| 595-CDCV304PWWRG4                                      | CDCV304PWWRG4  | TSSOP-8             | 2.5/3.3     | LVTTTL                          | 4              | LVTTTL                          | 2.64       | 2.18  | 1.99  |
| 595-CDCLVC1104PW                                       | CDCLVC1104PW   | TSSOP-8             | 2.5/3.3     | LVCMOS                          | 4              | LVCMOS                          | 3.19       | 2.90  | 2.01  |
| 595-CDCLVC1104PWR                                      | CDCLVC1104PWR  | TSSOP-8             | 2.5/3.3     | LVCMOS                          | 4              | LVCMOS                          | 3.00       | 2.46  | 2.22  |
| 595-CDC203DW   | CDC203DW       | SOIC-20             | 3.3         | LVTTTL                          | 6              | LVTTTL                          | 9.97       | 9.52  | 7.15  |
| 595-CDC328AD   | CDC328AD       | SOIC-16             | 5           | LVTTTL                          | 6              | LVTTTL                          | 10.26      | 9.80  | 7.36  |
| 595-CDC329AD   | CDC329AD       | SOIC-16             | 5           | LVTTTL                          | 6              | LVTTTL                          | 10.23      | 9.53  | 8.60  |
| 595-CDC391D  | CDC391D        | SOIC-16             | 5           | TTL                             | 6              | TTL                             | 9.87       | 9.43  | 7.08  |
| 595-CDCLVC1106PW                                       | CDCLVC1106PW   | TSSOP-14            | 2.5/3.3     | LVCMOS                          | 6              | LVCMOS                          | 3.96       | 3.60  | 2.50  |
| 595-CDC208DW   | CDC208DW       | SOIC-20             | 5           | TTL                             | 8              | CMOS                            | 11.96      | 11.31 | 8.54  |
| 595-CDC337DW   | CDC337DW       | SOIC-20             | 5           | LVTTTL                          | 8              | LVTTTL                          | 12.10      | 11.56 | 8.68  |
| 595-CDC340DW   | CDC340DW       | SOIC-20             | 5           | LVTTTL                          | 8              | LVTTTL                          | 10.06      | 9.62  | 7.22  |
| 595-CDC341DW   | CDC341DW       | SOIC-20             | 5           | LVTTTL                          | 8              | LVTTTL                          | 12.97      | 12.39 | 9.31  |
| 595-CDCLVC1108PW                                       | CDCLVC1108PW   | TSSOP-16            | 2.5/3.3     | LVCMOS                          | 8              | LVCMOS                          | 4.84       | 4.40  | 4.04  |
| 595-CDC2351DB  | CDC2351DB      | SSOP-24             | 3.3         | LVTTTL                          | 10             | LVTTTL                          | 12.10      | 11.50 | 8.68  |
| 595-CDC2351DW  | CDC2351DW      | SOIC-24             | 3.3         | LVTTTL                          | 10             | LVTTTL                          | 12.10      | 11.56 | 8.68  |
| 595-CDC351DW   | CDC351DW       | SOIC-24             | 3.3         | LVTTTL                          | 10             | LVTTTL                          | 13.16      | 12.58 | 9.44  |
| 595-CDCLVC1110PW                                       | CDCLVC1110PW   | TSSOP-20            | 2.5/3.3     | LVCMOS                          | 10             | LVCMOS                          | 5.94       | 4.86  | 3.75  |
| 595-CDCLVP111RHBT                                      | CDCLVP111RHBT  | QFN-32              | 2.5/3.3     | LVPECL, LVDS, CML, SSTL         | 10             | LVPECL                          | 10.81      | 10.24 | 9.82  |
| 595-CDCVF2310PW  | CDCVF2310PW    | TSSOP-24            | 2.5/3.3     | LVTTTL                          | 10             | LVTTTL                          | 6.03       | 5.51  | 4.41  |
| 595-CDCVF2310PWR                                       | CDCVF2310PWR   | TSSOP-24            | 3.3         | LVTTTL                          | 10             | LVTTTL                          | 5.34       | 4.36  | 4.20  |
| 595-CDCVF310PW   | CDCVF310PW     | TSSOP-24            | 2.5/3.3     | LVTTTL                          | 10             | LVTTTL                          | 6.03       | 5.51  | 4.41  |
| 595-CDCLVC1112PW                                       | CDCLVC1112PW   | TSSOP-24            | 2.5/3.3     | LVCMOS                          | 12             | LVCMOS                          | 6.92       | 5.67  | 4.38  |
| <b>Single Ended PLL Buffers</b>                        |                |                     |             |                                 |                |                                 |            |       |       |
| 595-CDCVF2505D   | CDCVF2505D     | SOIC-8              | 3.3         | LVTTTL                          | 5              | LVTTTL                          | 2.50       | 2.30  | 1.82  |
| 595-CDCVF2505PW  | CDCVF2505PW    | TSSOP-8             | 3.3         | LVTTTL                          | 5              | LVTTTL                          | 2.50       | 2.30  | 1.82  |
| 595-CDC2536DB  | CDC2536DB      | SSOP-28             | 3.3         | LVTTTL                          | 6              | LVTTTL                          | 5.91       | 5.40  | 4.32  |
| 595-CDC536DB   | CDC536DB       | SSOP-28             | 3.3         | LVTTTL                          | 6              | LVTTTL                          | 6.60       | 6.15  | 5.55  |
| 595-CDCVF2509APW                                       | CDCVF2509APW   | TSSOP-24            | 3.3         | LVTTTL                          | 9              | LVTTTL                          | 8.60       | 8.01  | 7.23  |
| 595-CDCVF2510APW                                       | CDCVF2510APW   | TSSOP-24            | 3.3         | LVTTTL                          | 10             | LVTTTL                          | 5.72       | 5.33  | 4.81  |
| 595-CDC582PAH  | CDC582PAH      | TQFP-52             | 3.3         | LVPECL                          | 12             | LVTTTL                          | 12.10      | 11.56 | 8.68  |
| 595-TLC2932AIPW  | TLC2932AIPW    | TSSOP-14            | 3.0/3.3/5.0 | -                               | -              | -                               | 4.20       | 3.37  | 3.07  |
| 595-TLC2933AIPW  | TLC2933AIPW    | TSSOP-14            | 3.0/3.3/5.0 | -                               | -              | -                               | 4.20       | 3.37  | 3.07  |
| <b>Ultra Low Jitter Synthesizer and Jitter Cleaner</b> |                |                     |             |                                 |                |                                 |            |       |       |
| 595-CDCM61001RHBT                                      | CDCM61001RHBT  | QFN-32              | 3.3         | Crystal, LVCMOS                 | 1              | LVPECL/LVDS/2-LVCMOS            | 11.92      | 9.30  | 7.84  |
| 595-CDCM61002RHBT                                      | CDCM61002RHBT  | QFN-32              | 3.3         | Crystal, LVCMOS                 | 2              | LVPECL/LVDS/2-LVCMOS            | 13.23      | 11.21 | 10.35 |
| 595-CDCM61004RHBT                                      | CDCM61004RHBT  | QFN-32              | 3.3         | Crystal, LVCMOS                 | 4              | LVPECL/LVDS/2-LVCMOS            | 17.25      | 14.62 | 13.50 |
| 595-CDCE62005RGZT                                      | CDCE62005RGZT  | QFN-48              | 3.3         | LVPECL/LVDS/LVCMOS              | 5              | LVPECL/LVDS/LVCMOS              | 19.90      | 14.23 | 12.98 |
| 595-CDCM7005RGZT                                       | CDCM7005RGZT   | QFN-48              | 3.3         | LVCMOS                          | 5              | LVPECL/LVCMOS                   | 22.00      | 19.80 | 18.15 |
| 595-CDCM7005ZVAT                                       | CDCM7005ZVAT   | BGA-64              | 3.3         | LVCMOS                          | 5              | LVPECL/LVCMOS                   | 22.00      | 19.80 | 18.15 |
| 595-CDCM6208V2RGZT                                     | CDCM6208V2RGZT | VQFN-48             | 1.71        | CML, LVPECL, LVDS, LVCMOS, XTAL | 8              | CML, LVPECL, LVDS, HCSL, LVCMOS | 13.19      | 11.11 | 10.20 |
| 595-CDCE72010RGCT                                      | CDCE72010RGCT  | QFN-64              | 3.3         | Diff/Single Ended               | 10             | LVPECL/LVDS/LVCMOS              | 24.61      | 22.15 | 20.30 |
| 595-CDCL6010RGZT                                       | CDCL6010RGZT   | QFN-48              | 1.8         | LVDS                            | 11             | CML                             | 19.90      | 16.86 | 15.57 |

