



Modelithics CLR Library (CADENCE)

Version 1.2 Release Notes
September 22, 2008

The models listed below are included in Version 1.2 of the CLR library for Cadence.

| Modelithics P/N | Body Style: EIA (mm) | Vendor | Vendor P/N | Value Range |
|-----------------------------------|-------------------------|-------------|--------------------|------------------|
| CAP-TAI-01005-002 | 01005 | Taiyo Yuden | L,JMK042 | 100 – 10K pF |
| CAP-AVX-0201-001 | 0201 (0603) | AVX | 02013A | 0.5 – 100 pF |
| CAP-AVX-0201-002 | 0201 (0603) | AVX | 0201YC | 100 – 1000pF |
| CAP-AVX-0201-003 | 0201 (0603) | AVX | 0201YD | 1200 pF – 0.1 uF |
| CAP-JOH-0201-001 ² | 0201 (0603) | Johanson | 0201L | 0.2 – 100 pF |
| CAP-MUR-0201-001 | 0201 (0603) | Murata | GRM033 | 0.5 – 10K pF |
| CAP-TAI-0201-001 | 0201 (0603) | Taiyo Yuden | TMK063 | 10 – 100 pF |
| CAP-TAI-0201-002 | 0201 (0603) | Taiyo Yuden | JMK063 | 22K – 220K pF |
| CAP-TAI-0201-003 | 0201 (0603) | Taiyo Yuden | EMK063 | 150 – 10K pF |
| CAP-TDK-0201-001 | 0201 (0603) | TDK | C0603C0G | 0.5 – 100 pF |
| CAP-ATC-0402-001 ² | 0402 (1005) | ATC | 600L | 0.1-27 pF |
| CAP-ATC-0402-101 ^{2,4,5} | 0402 (1005) | ATC | 600L | 0.1-27 pF |
| CAP-ATC-545L-101 ^{2,5} | 0402 (1005) | ATC | 545L | 100 nF |
| CAP-AVX-0402-001 | 0402 (1005) | AVX | ACCUP | 0.1 – 33 pF |
| CAP-EPC-0402-001 | 0402 (1005) | Epcos | B37920K5 | 0.3 – 18 pF |
| CAP-JOH-0402-001 | 0402 (1005) | Johanson | R07S | 0.2-27 pF |
| CAP-KOA-0402-001 | 0402 (1005) | KOA | HFC1005 | 0.2 – 0.6 pF |
| CAP-MUR-0402-001 | 0402 (1005) | Murata | GRM1555C1H | 0.5 – 150 pF |
| CAP-MUR-0402-002 | 0402 (1005) | Murata | GRM155R71H | 0.22 – 10 nF |
| CAP-MUR-0402-003 ² | 0402 (1005) | Murata | GRM155R71E | 4.7 – 470 nF |
| CAP-TDK-0402-001 | 0402 (1005) | TDK | C1005CH1E | 0.5 – 33 pF |
| CAP-VIS-0402-001 | 0402 (1005) | Vishay | HPC0402A | 0.2 – 180 pF |
| CAP-ATC-0603-001 | 0603 (1608) | ATC | 600S | 0.1-100 pF |
| CAP-DLI-0603-002 ⁴ | 0603 (1608) | DLI | C06BL | DC Block |
| CAP-DLI-0603-001 | 0603 (1608) | DLI | C06UL | 0.1-47pF |
| CAP-EPC-0603-001 | 0603 (1608) | Epcos | B37930K5 | 0.4 – 27 pF |
| CAP-JDI-0603-001 | 0603 (1608) | JDI | R14 | 0.5-2200 pF |
| CAP-JOH-0603-001 | 0603 (1608) | Johanson | R14S | 0.2-100 pF |
| CAP-MUR-0603-004 | 0603 (1608) | Murata | GRM1885C1H | 0.5 – 470 pF |
| CAP-MUR-0805-001 | 0805 (2012) | Murata | GRM21 ³ | 1 – 1800 pF |
| CAP-AVX-1210-001 | 1210 | AVX | 12101U | 3.3 – 1000 pF |

For information on obtaining Version 1.2, please contact sales@Modelithics.com.
For help in upgrading please contact support@Modelithics.com.

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|-------------------------------|-----------|-----|------|---------------|
| CAP-ATC-100A-001 | 55 x 55 | ATC | 100A | 0.1 – 100 pF |
| CAP-ATC-100B-001 | 110 x 110 | ATC | 100B | 0.1 – 1000 pF |
| CAP-ATC-100B-101 ⁵ | 110 x 110 | ATC | 100B | 0.1 – 1000 pF |
| CAP-ATC-200B-001 | 110 x 110 | ATC | 200B | 20 – 100 nF |

MODELITHICS CLR INDUCTOR LIBRARY

| Modelithics P/N | Body Style: EIA (mm) | Vendor | Vendor P/N | Value Range |
|---------------------------------|-------------------------|-------------|------------|---------------|
| IND-TAI-0201-001 | 0201 (0603) | Taiyo Yuden | HK0603 | 1 – 47 nH |
| IND-TDK-0201-001 ³ | 0201 (0603) | TDK | MLG0603S | 0.5 – 100 nH |
| IND-JOH-0201-001 | 0201 (0603) | Johanson | L-05Cxx | 1 – 39 nH |
| | | | | |
| IND-CLC-0402-101 ^{2,3} | 0402 (1005) | Coilcraft | 0402CS | 1 – 100 nH |
| IND-JOH-0402-001 | 0402 (1005) | Johanson | L-07W | 1 – 120 nH |
| IND-JOH-0402-002 | 0402 (1005) | Johanson | L-07C | 1 – 120 nH |
| IND-MUR-0402-001 | 0402 (1005) | Murata | LQW15A | 1.5 – 82 nH |
| IND-TDK-0402-001 | 0402 (1005) | TDK | MLK1005S | 1 – 100 nH |
| IND-TKO-0402-101 ² | 0402 (1005) | Toko | LL1005-FHL | 1 – 100 nH |
| | | | | |
| IND-CLC-0603-001 | 0603 (1608) | Coilcraft | 0603CS | 1.6 – 270 nH |
| IND-MUR-0603-001 | 0603 (1608) | Murata | LQW18A | 2.2 – 470 nH |
| IND-TKO-0603-001 | 0603 (1608) | Toko | LL1608-FSL | 1.2 – 270 nH |
| | | | | |
| IND-TKO-0805-002 | 0805 (2012) | Toko | LL2012-FHL | 3.3 – 680 nH |
| | | | | |
| IND-CLC-1008-001 | 1008 (2520) | Coilcraft | 1008CS | 10 – 4700 nH |
| | | | | |
| IND-CLC-MINI-001 | Spring | Coilcraft | AxxT | 2.5 – 18.5 nH |

MODELITHICS CLR RESISTOR LIBRARY

| Modelithics P/N | Body Style: EIA (mm) | Vendor | Vendor P/N | Value Range |
|------------------|-------------------------|-----------|------------|----------------|
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| RES-KOA-0201-001 | 0201 (0603) | KOA Speer | RK73B1H | 0 – 150 Ohms |
| | | | | |
| RES-KOA-0603-001 | 0603 (1608) | KOA Speer | RK73B1J | 10 – 120K Ohms |

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