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Designer's Kits



To help simplify your prototyping, we offer low-cost Designer's Kits for many of our products. Each contains an assortment of in-stock values along with detailed product specifications. We even provide free refills for parts you use most often.

Coilcraft Designer's Kits can save you hours of searching or winding your own. They'll help you zero in on one of our off-the-shelf parts or give us a starting point for a custom design.

To order call **800-322-2645** or place your order on-line at <http://order.coilcraft.com>.



SMT Products

NEW! 0402CS SM Inductors
 Inductance: 1.0 nH - 47 nH
 5% inductance tolerance
 22 values (20 of each)
Kit C128 \$60

0603CS SM Inductors
 Inductance: 1.6 nH - 270 nH
 5% inductance tolerance
 37 values (10 of each)
Kit C124 \$80

NEW! **Kit C124-2 \$100 (2% tolerance)**

0805CS SM Inductors
 Inductance: 3.3 nH - 820 nH
 5% inductance tolerance
 26 values (10 of each)
Kit C103 \$60
Kit C103-2 \$85 (2% tolerance)

NEW! 0805HQ SM Inductors
 Inductance: 2.5 nH - 51 nH
 5% and 10% inductance tolerance
 12 values (10 of each)
Kit C125 \$60

0805HT SM Inductors
 Inductance: 1.8 nH - 150 nH
 5% inductance tolerance
 20 values (10 of each)
Kit C121 \$60

1008CS SM Inductors
 Inductance: 10 nH - 4.7 μ H
 5% inductance tolerance
 36 values (10 of each)
Kit C100 \$100
Kit C100-2 \$120 (2% tolerance)

NEW! 1008HQ High Q SM Inductors
 Inductance: 3 nH - 100 nH
 5% and 10% inductance tolerance
 14 values (10 of each)
Kit C123 \$60
Kit C123-2 \$80 (2% tolerance)

1008HT SM Inductors
 Inductance: 3.3 nH - 560 nH
 5% inductance tolerance
 26 values (10 of each)
Kit C122 \$100

NEW! 1008LS SM Inductors
 Inductance: 1.2 μ H - 10 μ H
 5% inductance tolerance
 12 values (10 of each)
Kit C136 \$60

1206CS SM Inductors
 Inductance: 3.3 nH - 1.2 μ H
 5% inductance tolerance
 28 values (10 of each)
Kit C120 \$100

1812LS SM Inductors
 Inductance: 12 μ H - 1000 μ H
 5% inductance tolerance
 24 values (10 of each)
Kit C114 \$80

Micro Spring™
 Air Core Inductors
 Inductance: 1.65 nH - 12.54 nH
 9 values (12 of each)
Kit C108 \$50

NEW! **Kit C108-2 \$70 (2% tolerance)**

Mini Spring™
 Air Core Inductors
 Inductance: 2.5 nH - 43 nH
 10 values (12 of each)
Kit C102 \$60

NEW! **Kit C102-2 \$80 (2% tolerance)**

NEW! QUANTITY DISCOUNTS

10% off any combination of 3 or more
20% off any combination of 5 or more
30% off any combination of 7 or more

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Coilcraft Designer's Kits

Midi Spring™
 Air Core Inductors
 Inductance: 22 nH - 120 nH
 10 values (12 of each)
Kit C118 \$60

NEW! **Kit C118-2 \$80 (2% tolerance)**

Maxi Spring™
 Air Core Inductors
 Inductance: 90 nH - 558 nH
 12 values (8 of each)
Kit C119 \$60

NEW! **Kit C119-2 \$80 (2% tolerance)**

Common Mode
 Data Line EMI Filters
 Attenuation bandwidth: 15 dBm,
 1.5 - 300 MHz
 DC current capacity: 100 mA
 2, 3, 4, 8, 10 line, surface mount and
 leaded, 13 values (4 of each)
Kit D103 \$75

SMT Wideband RF
 Transformers - TTWB
 Series
 Ohm ratio: 1, 1.5, 2, 4 and 16
 Frequency range: 0.03 - 1500 MHz
 25 values (3 of each)
Kit C129 \$90

NEW! Power Wafer™ Inductors
 LPO2506 Series
 Inductance: 4.7 µH - 1000 µH
 Current: 0.16 - 1.9 Amps
 15 values (3 of each)
Kit C132 (In-Board versions) \$60
Kit C133 (On-Board versions) \$60

NEW! Power Wafer™ Inductors
 LPT1606 Series
 Inductance: 1 µH - 22 µH
 Current: 0.8 - 2.0 Amps
 9 values (3 of each)
Kit C137 \$55

NEW! Power Wafer™ Inductors
 LPT3305 Series
 Inductance: 1 µH - 47 µH
 Current: 0.6 - 1.6 Amps
 11 values (3 of each)
Kit C130 \$60

NEW! Power Wafer™ Inductors
 DO1606 Series
 Inductance: 1 µH - 1000 µH
 Current: 0.08 - 2.3 Amps
 19 values (3 of each)
Kit C138 \$70

NEW! SMT Power Inductors
 DO1607 Series
 Inductance: 1 µH - 33 µH
 Current: 0.48 - 2.3 Amps
 10 values (3 of each)
Kit C127 \$60

SMT Power Inductors
 DO1608/3316 Series
 Inductance: 1 µH - 1000 µH
 Current: 0.07 - 6.8 Amps
 38 values (3 of each)
Kit C105 \$90

SMT Power Inductors
 DS1608 Series
 Inductance: 1 µH - 10,000 µH
 Current: 0.02 - 3 Amps
 25 values (3 of each)
Kit C115 \$80

SMT Power Inductors
 DT1608/3316 Series
 Inductance: 1 µH - 1000 µH
 Current: 0.08 - 5 Amps
 38 values (3 of each)
Kit C104 \$95

NEW! SMT Power Inductors
 DO1813HC Series
 Inductance: 0.56 µH - 48.1 µH
 Current: 0.72 - 6 Amps
 9 values (3 of each)
Kit C131 \$60

SMT Power Inductors
 DO3308 Series
 Inductance: 10 µH - 1000 µH
 Current: 0.05 - 2 Amps
 13 values (3 of each)
Kit C109 \$60

SMT Power Inductors
 DS3316 Series
 Inductance: 1 µH - 47 µH
 Current: 0.8 - 5 Amps
 11 values (3 of each)
Kit C116 \$60

NEW! SMT Power Inductors
 DO3316HC Series
 Inductance: 0.33 µH - 3.3 µH
 Current: 6.4 - 16 Amps
 7 values (3 of each)
Kit C126 \$45

SMT Power Inductors
 DO3340 Series
 Inductance: 10 µH - 1000 µH
 Current: 0.1 - 3.5 Amps
 13 values (3 of each)
Kit C110 \$60

SMT Power Inductors
 DO5022 Series
 Inductance: 1 µH - 1000 µH
 Current: 0.56 - 8.6 Amps
 17 values (3 of each)
Kit C111 \$60

SMT Power Inductors
 DS5022 Series
 Inductance: 10 µH - 1000 µH
 Current: 0.53 - 3.9 Amps
 13 values (3 of each)
Kit C117 \$60

SMT Power Inductors
 DO5022HC Series
 Inductance: 0.78 µH - 15 µH
 Current: 6.0 - 15 Amps
 10 values (3 of each)
Kit C113 \$60

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Coilcraft Designer's Kits

NEW! SMT Backlight Inductors
 DO1607BL Series
 Inductance: 1 mH - 6.8 mH
 Current: 60 - 150 mAmps
 6 values (3 of each)
Kit C135 \$45

NEW! SMT Power Inductors
 DS1608BL Series
 Inductance: 1 mH - 10 mH
 Current: 10 - 100 mAmps
 7 values (3 of each)
Kit C134 \$45

Low Pass LC Filters
 Poles: 3 and 7
 Cutoff frequencies: 0.30 - 800 MHz
 Impedance: 50 Ohms
 7 surface mount filters (3 of each)
 12 leaded filters (2 of each)
Kit D102 \$60

Common Mode
 Line Chokes
 Current: 0.25 - 8.1 Amps rms
 Inductance: 731 μ H - 10.5 mH
 8 styles (14 total pieces)
Kit P202 \$100

Other Coilcraft Products

"Unicoil" 7/10 mm
 Tunable Inductors
 Inductance: .0435 μ H - 1.5 μ H
 49 shielded, 49 unshielded (2 each)
Kit M102 \$60

"Unicoil" 5 mm
 Tunable Inductors
 Inductance: 9 nH - 281 nH
 19 Shielded, 19 unshielded (2 each)
Kit M105 \$60

"Slot Ten" 10 mm
 Tunable Inductors
 Inductance: 0.7 μ H - 1143 μ H
 18 shielded, 18 unshielded (3 each)
Kit M100 \$60

"Slot Seven" 7 mm
 Tunable Inductors
 Inductance: 0.094 μ H - 275 μ H
 39 values (3 of each)
Kit M106 \$60

Axial Lead RF Chokes
 Inductance: 0.1 μ H - 1000 μ H
 25 values (5 of each)
Kit F102 \$50

Horizontal Mount
 Inductors
 Tunable and fixed
 Inductance: 31.5 nH - 720 nH
 33 values (3 of each)
Kit M104 \$60

Current Sensors
 Sensing range: 0.02 - 35 Amps
 Frequency response: 20 - 50+ kHz
 Transformer and sensor-only
 versions
 10 styles (17 total pieces)
Kit P203 \$50

Base/Gate Driver
 Transformers
 Inductance: 1.5 mH min.
 Frequency: 10 - 250 kHz
 2 single, 2 double section (2 of each)
Kit P204 \$50

Mag Amp Toroids
 Current: 1.5 Amps
 Volt-time product: 42 - 372 V- μ sec
 6 styles (2 of each)
Kit P206 \$100

Compact Vertical Mount
 Power Inductors
 Current: 0.6 - 3.5 Amps
 Inductance: 10 μ H - 330 μ H
 19 styles (3 of each)
Kit P210 \$85

Power Filter Chokes
 Current: 3, 5, 10 Amps
 Inductance: 5 μ H - 300 μ H
 18 styles (48 total pieces)
Kit P205 \$75

Axial Lead Power Chokes
 Current: 0.04 - 4.3 AC Amps
 Inductance: 3.9 μ H - 82 mH
 30 values (2 of each)
Kit P209 \$150

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