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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.

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## QUANTITY DISCOUNTS

**10% off** any combination of 3 or more  
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## SMT Products

### RF Chip Inductors

**NEW!** **0201AF Chip Inductors**  
 Inductance: 33 nH – 200 nH  
 8 values (20 of each)  
 Kit C471 \$45 (10% tolerance)

**0201DS Chip Inductors**  
 Inductance: 0.5 nH – 14 nH  
 52 values (20 of each)  
 Kit C425 \$160 (5% tolerance)

**NEW!** **0201HL Chip Inductors**  
 Inductance: 22 nH – 51 nH  
 7 values (20 of each)  
 Kit C475 \$45 (5% tolerance)

**NEW!** **02601 1C Series Chip Inductors**  
 Inductance: 0.75 nH – 75 nH  
 29 values (20 of each)  
 Kit C473 \$80 (5% tolerance)

**NEW!** **02601 1F Series Chip Inductors**  
 Inductance: 27 nH – 560 nH  
 7 values (20 of each)  
 Kit C474 \$45 (5% tolerance)

**0302CS Chip Inductors**  
 Inductance: 0.67 nH – 34 nH  
 35 values (20 of each)  
 Kit C370 \$90 (5% tolerance)

**0402AF Chip Inductors**  
 Inductance: 20 nH – 560 nH  
 20 values (20 of each)  
 Kit C397 \$55 (5% tolerance)

**0402CS Chip Inductors**  
 Inductance: 1 nH – 120 nH  
 48 values (20 of each)  
 Kit C328A \$110 (5% tolerance)  
 Kit C328-2 \$150 (2% tolerance)

**0402DC Chip Inductors**  
 Inductance: 3.0 nH – 120 nH  
 26 values (20 of each)  
 Kit C472 \$70 (5% tolerance)  
 Kit C472-2 \$90 (2% tolerance)

**NEW!** **0402DF Chip Inductors**  
 Inductance: 20 nH – 3300 nH  
 25 values (20 of each)  
 Kit C462 \$70 (5% tolerance)

**0402HL Chip Inductors**  
 Inductance: 270 nH – 820 nH  
 12 values (20 of each)  
 Kit C453 \$45 (5% tolerance)

**0402HP Chip Inductors**  
 Inductance: 1 nH – 220 nH  
 54 values (20 of each)  
 Kit C403 \$120 (5% tolerance)  
 Kit C403-2 \$160 (2% tolerance)

**0402PA High Current Chip Inductors**  
 Inductance: 0.78 nH – 8.2 nH  
 7 values (20 of each)  
 Kit C373 \$40 (5% tolerance)

**0403HQ High Q Chip Inductors**  
 Inductance: 1.9 nH – 8 nH  
 11 values (20 of each)  
 Kit C371 \$40 (5% tolerance)

**0603AF Chip Inductors**  
 Inductance: 15 nH – 10  $\mu$ H  
 27 values (10 of each)  
 Kit C439 \$45 (5% tolerance)

**0603CS Chip Inductors**  
 Inductance: 1.6 nH – 390 nH  
 48 values (10 of each)  
 Kit C324 \$120 (5% tolerance)  
 Kit C324A-2 \$80 (2% tolerance)

Inductance: 1.6 nH – 30 nH  
 26 values (10 of each)  
 Kit C324B-2 \$80 (2% tolerance)  
 Inductance: 33 nH – 390 nH  
 22 values (10 of each)

**0603CT Chip Inductors**  
 Inductance: 1 nH – 56 nH  
 36 values (10 of each)  
 Kit C423 \$95 (5% tolerance)  
 Kit C423-2 \$115 (2% tolerance)

**0603HC Chip Inductors**  
 Inductance: 1.6 nH – 47 nH  
 13 values (10 of each)  
 Kit C339 \$40 (5% tolerance)

**0603HL Chip Inductors**  
 Inductance: 330 nH – 3300 nH  
 14 values (10 of each)  
 Kit C449 \$45 (5% tolerance)

**0603HP Chip Inductors**  
 Inductance: 1.8 nH – 390 nH  
 54 values (10 of each)  
 Kit C406 \$140 (5% tolerance)  
 Kit C406-2 \$180 (2% tolerance)

**0603LS Chip Inductors**  
 Inductance: 47 nH – 22,000 nH  
 33 values (10 of each)  
 Kit C347 \$70 (5% tolerance)

**0604HQ High Q Chip Inductors**  
 Inductance: 1.15 nH – 10.4 nH  
 7 values (10 of each)  
 Kit C351 \$40 (5% tolerance)

**0805AF Chip Inductors**  
 Inductance: 0.11  $\mu$ H – 22  $\mu$ H  
 14 values (10 of each)  
 Kit C450 \$45 (5% tolerance)

**0805CS Chip Inductors**  
 Inductance: 2.8 nH – 820 nH  
 37 values (10 of each)  
 Kit C303 \$95 (5% tolerance)  
 Kit C303-2 \$115 (2% tolerance)

**0805HP Chip Inductors**  
 Inductance: 2.6 nH – 820 nH  
 23 values (20 of each)  
 Kit C477 \$65 (5% tolerance)  
 Kit C477-2 \$85 (2% tolerance)

**0805HQ Chip Inductors**  
 Inductance: 2.5 nH – 51 nH  
 12 values (10 of each)  
 Kit C325 \$40 (5% tolerance)

**NEW!** **0805HT Chip Inductors**  
 Inductance: 1.8 nH – 500 nH  
 34 values (10 of each)  
 Kit C321 \$70 (5% tolerance)

**0805LS Chip Inductors**  
 Inductance: 0.078  $\mu$ H – 27  $\mu$ H  
 19 values (10 of each)  
 Kit C354 \$45 (5% tolerance)

**1008AF Chip Inductors**  
 Inductance: 0.9  $\mu$ H – 10  $\mu$ H  
 14 values (10 of each)  
 Kit C414 \$45 (5% tolerance)

**1008CS Chip Inductors**  
 Inductance: 10 nH – 8200 nH  
 40 values (10 of each)  
 Kit C300 \$100 (5% tolerance)  
 Kit C300-2 \$120 (2% tolerance)

**1008HQ High Q Chip Inductors**  
 Inductance: 3 nH – 100 nH  
 15 values (10 of each)  
 Kit C323 \$40 (5% tolerance)  
 Kit C323-2 \$60 (2% tolerance)

**1008HT Chip Inductors**  
 Inductance: 3.3 nH – 560 nH  
 26 values (10 of each)  
 Kit C322 \$55 (5% tolerance)

**1008LS Chip Inductors**  
 Inductance: 1.0  $\mu$ H – 100  $\mu$ H  
 28 values (10 of each)  
 Kit C336 \$70 (5% tolerance)

**1206CS Chip Inductors**  
 Inductance: 3.3 nH – 1.2  $\mu$ H  
 31 values (10 of each)  
 Kit C320 \$80 (5% tolerance)

**1812CS Chip Inductors**  
 Inductance: 1  $\mu$ H – 33  $\mu$ H  
 19 values (10 of each)  
 Kit C337 \$50 (5% tolerance)

**1812LS Chip Inductors**  
 Inductance: 12  $\mu$ H – 1000  $\mu$ H  
 24 values (10 of each)  
 Kit C314 \$60 (5% tolerance)

**HA403x Chip Inductors**  
 Inductance: 150 nH – 390 nH  
 6 values (10 of each)  
 Kit C458 \$45 (2% tolerance)



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# Coilcraft Designer's Kits

## Air Core Inductors

**0806SQ, 0807SQ, 0908SQ Square Air Core Inductors**  
 Inductance: 5.5 nH–27.3 nH  
 20 values (10 of each)  
 Kit C424 \$45 (5% tolerance)  
 Kit C424-2 \$70 (2% tolerance)

**1010/1212/2014VS Power Air Core Inductors**  
 Inductance: 22 nH–257 nH  
 16 values (5 of each)  
 Kit C456 \$60 (5% tolerance)

**1111SQ Square Air Core Inductors**  
 Inductance: 27 nH–47 nH  
 7 values (10 of each)  
 Kit C457 \$45 (5% tolerance)

**1515SQ, 2222SQ, 2929SQ Square Air Core Inductors**  
 Inductance: 47 nH–500 nH  
 16 values (10 of each)  
 Kit C438 \$55 (5% tolerance)  
 Kit C438-2 \$75 (2% tolerance)

**GA309x Air Core Inductors**  
 Inductance: 3.7 nH–17.5 nH  
 4 values (10 of each)  
 Kit C459 \$45 (5% tolerance)

**Micro Spring™ Air Core Inductors**  
 Inductance: 1.65 nH–12.55 nH  
 9 values (12 of each)  
 Kit C308 \$40 (5% tolerance)  
 Kit C308-2 \$60 (2% tolerance)

**Mini Spring™ Air Core Inductors**  
 Inductance: 2.5 nH–43 nH  
 10 values (12 of each)  
 Kit C302 \$40 (5% tolerance)  
 Kit C302-2 \$60 (2% tolerance)

**Midi Spring® Air Core Inductors**  
 Inductance: 22 nH–150 nH  
 11 values (12 of each)  
 Kit C318 \$40 (5% tolerance)  
 Kit C318-2 \$60 (2% tolerance)

**Maxi Spring™ Air Core Inductors**  
 Inductance: 90 nH–558 nH  
 12 values (8 of each)  
 Kit C319 \$40 (5% tolerance)  
 Kit C319-2 \$60 (2% tolerance)

**Low Profile Mini Spring™ Air Core Inductors**  
 Inductance: 5.5 nH–27 nH  
 7 values (10 of each)  
 Kit C394 \$45 (5% tolerance)  
 Kit C394-2 \$70 (2% tolerance)

## RFID Transponder Coils

**RFID Transponder Coils 5315TC Series**  
 Inductance: 0.37 mH–7.2 mH  
 14 values (4 of each)  
 Kit C369 \$80

**RFID Transponder Coils 4308RV Series**  
 Inductance: 0.37 mH–9 mH  
 16 values (4 of each)  
 Kit C383 \$80

## EMI/RFI Filters

**Common Mode Data Line EMI Filters**  
 Attenuation: 15 dBm, 1.5–300 MHz  
 DC current capacity: 100, 500 mA  
 17 values (4 of each)  
 Kit D303 \$75

**USB 3.x / 2.0 Common Mode Chokes**  
 0603USB, 0805USB, 0805USBF, 0805USBN, and 1206USB series  
 39 values (10 of each)  
 Kit 470 \$110

## RF Transformers

**PWB Series Wideband RF Transformers**  
 Ohm ratio: 1 to 1, 1.5, 2, 4 and 16  
 Frequency range: 0.03–700 MHz  
 25 values (3 of each)  
 Kit C404 \$70

**WBC Series Wideband RF Transformers**  
 Ohm ratio: 1 to 1, 2, 4, 8, 9 and 16  
 Frequency range: 0.15–1200 MHz  
 12 values (3 of each)  
 Kit C393 \$45

## LC Filters

**Low Pass LC Filters**  
 Poles: 3  
 Cutoff frequencies: 15–2100 MHz  
 Impedance: 50 Ohms  
 14 surface mount filters (3 of each)  
 Kit D302 \$60

## Power Inductors

**0603PS Series Power Chip Inductors**  
 Inductance 0.78  $\mu$ H–47  $\mu$ H  
 Current: 0.55–0.10 Amps  
 16 values (6 of each)  
 Kit C346 \$50

**0805PS Series Power Chip Inductors**  
 Inductance 1.0  $\mu$ H–330  $\mu$ H  
 Current: 0.9–0.06 Amps  
 20 values (6 of each)  
 Kit C348 \$60

**1008PS Series Power Chip Inductors**  
 Inductance 1.0  $\mu$ H–1000  $\mu$ H  
 Current: 4.2–0.13 Amps  
 28 values (6 of each)  
 Kit C341 \$80

**1812PS Series Power Chip Inductors**  
 Inductance 1.0  $\mu$ H–1000  $\mu$ H  
 Current: 2.5–0.08 Amps  
 28 values (6 of each)  
 Kit C343 \$80

**DO1605T Series Power Wafer® Inductors**  
 Inductance: 1  $\mu$ H–1000  $\mu$ H  
 Current: 2.5–0.08 Amps  
 19 values (3 of each)  
 Kit C353 \$60

**DO1606T Series Power Wafer® Inductors**  
 Inductance: 1  $\mu$ H–1000  $\mu$ H  
 Current: 2.5–0.06 Amps  
 19 values (3 of each)  
 Kit C338 \$60

**DO1607B Series Backlight Inductors**  
 Inductance: 1 mH–6.8 mH  
 Current: 100–40 mAmps  
 6 values (3 of each)  
 Kit C335 \$40

**DO1608C Series Power Inductors**  
 Inductance: 1  $\mu$ H–1000  $\mu$ H  
 Current: 2.9–0.10 Amps  
 20 values (3 of each)  
 Kit C377 \$60

**DO1813H Series High Current Inductors**  
 Inductance: 0.18  $\mu$ H–48.1  $\mu$ H  
 Current: 14.0–0.87 Amps  
 14 values (3 of each)  
 Kit C331 \$40

**DO2010 Series Power Inductors**  
 Inductance: 12  $\mu$ H–220  $\mu$ H  
 Current: 0.51–0.10 Amps  
 8 values (5 of each)  
 Kit C399 \$45

**DO3308P Series Power Inductors**  
 Inductance: 4.7  $\mu$ H–1000  $\mu$ H  
 Current: 4.2–0.29 Amps  
 15 values (3 of each)  
 Kit C309 \$45

**DO3314 Series Power Wafer® Inductors**  
 Inductance: 1  $\mu$ H–33  $\mu$ H  
 Current: 2.1–0.51 Amps  
 10 values (3 of each)  
 Kit C358 \$40

**DO3316H Series High Current Inductors**  
 Inductance: 0.12  $\mu$ H–4.7  $\mu$ H  
 Current: 28–5.4 Amps  
 10 values (3 of each)  
 Kit C326 \$40

**DO3316P Series Power Inductors**  
 Inductance: 1  $\mu$ H–3300  $\mu$ H  
 Current: 9.0–0.19 Amps  
 20% tolerance  
 21 values (3 of each)  
 Kit C378 \$60 (20% tolerance)

**DO3316T Series High Temp Inductors**  
 Inductance: 0.33  $\mu$ H–470  $\mu$ H  
 Current: 20–0.50 Amps  
 33 values (3 of each)  
 Kit C396 \$100

**DO3340P Series Power Inductors**  
 Inductance: 10  $\mu$ H–1000  $\mu$ H  
 Current: 8.0–0.8 Amps  
 13 values (3 of each)  
 Kit C310 \$40

**DO5010H Series High Current Inductors**  
 Inductance: 0.78  $\mu$ H–1000  $\mu$ H  
 Current: 30–1.0 Amps  
 20% tolerance  
 22 values (3 of each)  
 Kit C355 \$65

**DO5022P Series Power Inductors**  
 Inductance: 1  $\mu$ H–1000  $\mu$ H  
 Current: 28.8–1.1 Amps  
 18 values (3 of each)  
 Kit C311 \$55

**DS1608B Series Backlight Inductors**  
 Inductance: 0.1 mH–10 mH  
 Current: 220–10 mAmps  
 13 values (3 of each)  
 Kit C334 \$40

**EPL2010 Series Shielded Power Inductors**  
 Inductance: 0.18  $\mu$ H–10  $\mu$ H  
 Current: 2.9–0.36 Amps  
 14 values (5 of each)  
 Kit C412 \$45

**EPL2014 Series Shielded Power Inductors**  
 Inductance: 0.27  $\mu$ H–10  $\mu$ H  
 Current: 2.8–0.60 Amps  
 12 values (5 of each)  
 Kit C413 \$45

**EPL3010 Series Shielded Power Inductors**  
 Inductance: 0.3  $\mu$ H–10  $\mu$ H  
 Current: 2.2–0.48 Amps  
 6 values (5 of each)  
 Kit C431 \$45

**EPL3012 Series Shielded Power Inductors**  
 Inductance: 1.0  $\mu$ H–22  $\mu$ H  
 Current: 2.0–0.61 Amps  
 8 values (5 of each)  
 Kit C437 \$45

**EPL3015 Series Shielded Power Inductors**  
 Inductance: 0.9  $\mu$ H–33  $\mu$ H  
 Current: 2.4–0.45 Amps  
 11 values (5 of each)  
 Kit C405 \$45  
 Kit C405 \$45

**NEW! LPD5030V & LPD8035V High Iso Coupled Inductors**  
 Inductance: 4.7  $\mu$ H–220  $\mu$ H  
 Current: 1.6–0.10 Amps  
 19 values (3 of each)  
 Kit C481 \$70

**LPO2506 Series Power Wafer® Inductors**  
 Inductance: 4.7  $\mu$ H–1000  $\mu$ H  
 Current: 1.6–0.10 Amps  
 16 values (3 of each)  
 Kit C332 (InBoard®) \$60  
 Kit C333 (On-board) \$60

# Coilcraft Designer's Kits

**LPO3010 Series  
Power Wafer® Inductors**  
 Inductance: 1  $\mu$ H–22  $\mu$ H  
 Current: 1.7–0.30 Amps  
 13 values (3 of each)  
 Kit C388 \$40

**LPO3310 Series  
Power Wafer® Inductors**  
 Inductance: 0.3  $\mu$ H–47  $\mu$ H  
 Current: 2.8–0.25 Amps  
 14 values (3 of each)  
 Kit C375 \$40

**LPO4812 Series  
Power Wafer® Inductors**  
 Inductance: 1  $\mu$ H–220  $\mu$ H  
 Current: 1.3–0.09 Amps  
 16 values (3 of each)  
 Kit C357 \$45

**LPO4815 Series  
Power Wafer® Inductors**  
 Inductance: 1  $\mu$ H–220  $\mu$ H  
 Current: 1.6–0.11 Amps  
 18 values (3 of each)  
 Kit C376 \$55

**LPO6013 Series  
Power Wafer® Inductors**  
 Inductance: 1  $\mu$ H–1000  $\mu$ H  
 Current: 1.9–0.07 Amps  
 22 values (3 of each)  
 Kit C352 \$65

**LPO6610 Series  
Power Wafer® Inductors**  
 Inductance: 1.2  $\mu$ H–330  $\mu$ H  
 Current: 2.1–0.13 Amps  
 16 values (3 of each)  
 Kit C367 \$50

**LPS 30xx Shielded  
Power Wafer® Inductors**  
 Parts from LPS3008, 3010, 3015  
 Inductance: 0.68  $\mu$ H–33  $\mu$ H  
 29 values (3 of each)  
 Kit C392 \$95

**LPS 3314 Shielded  
Power Wafer® Inductors**  
 Inductance: 1  $\mu$ H–820  $\mu$ H  
 Current: 2.0–0.10 Amps  
 26 values (3 of each)  
 Kit C330 \$85

**LPS 40xx Shielded  
Power Wafer® Inductors**  
 Parts from LPS4012, LPS4018  
 Inductance: 0.56  $\mu$ H–33  $\mu$ H  
 Current: 5.3–0.48 Amps  
 19 values (3 of each)  
 Kit C401 \$65

**LPS 4414 Shielded  
Power Wafer® Inductors**  
 Inductance: 0.3  $\mu$ H–1000  $\mu$ H  
 Current: 5.8–0.106 Amps  
 31 values (3 of each)  
 Kit C340 \$105

**LPS High L Shielded  
Power Wafer® Inductors**  
 Parts from LPS30xx, LPS40xx  
 Inductance: 220  $\mu$ H–2200  $\mu$ H  
 19 values (3 of each)  
 Kit C402 \$95

**LPS 5010 Shielded  
Power Wafer® Inductors**  
 Inductance: 0.47  $\mu$ H–680  $\mu$ H  
 Current: 3.4–0.10 Amps  
 22 values (3 of each)  
 Kit C407 \$70

**LPS 5015 Shielded  
Power Wafer® Inductors**  
 Inductance: 1  $\mu$ H–2200  $\mu$ H  
 Current: 3.9–0.08 Amps  
 30 values (3 of each)  
 Kit C350 \$95

**LPS 5030 Shielded  
Power Wafer® Inductors**  
 Inductance: 0.9  $\mu$ H–4700  $\mu$ H  
 Current: 4.1–0.059 Amps  
 32 values (3 of each)  
 Kit C420 \$95

**LPS 6225 Shielded  
Power Wafer® Inductors**  
 Inductance: 1.0  $\mu$ H–10,000  $\mu$ H  
 Current: 5.4–0.087 Amps  
 28 values (3 of each)  
 Kit C349 \$85

**LPS6235 Shielded  
Power Wafer® Inductors**  
 Inductance: 6.8  $\mu$ H–10,000  $\mu$ H  
 Current: 2.8–0.074 Amps  
 31 values (3 of each)  
 Kit C345 \$95

**ME3215 Series  
Power Inductors**  
 Inductance: 1  $\mu$ H–100  $\mu$ H  
 Current: 2.8–0.27 Amps  
 11 values (3 of each)  
 Kit C408 \$45

**ME3220 Series  
Power Inductors**  
 Inductance: 1  $\mu$ H–100  $\mu$ H  
 Current: 3.2–0.34 Amps  
 21 values (3 of each)  
 Kit C386 \$65

**MLC12xx/15xx Series  
High Current Inductors**  
 Inductance: 0.36  $\mu$ H–4.5  $\mu$ H  
 Current: 54–11.8 Amps  
 40 values (3 of each)  
 Kit C387 \$65

**MOS6020 Series  
Shielded Power Inductors**  
 Inductance: 2.2  $\mu$ H–470  $\mu$ H  
 Current: 3.56–0.19 Amps  
 16 values (3 of each)  
 Kit C359 \$50

**MSD1278 Series  
Shielded Coupled Inductors**  
 Inductance: 4.7  $\mu$ H–4000  $\mu$ H  
 Current: 14.9–1.1 Amps  
 29 values (3 of each)  
 Kit C400 \$95

**MSS1038 Series  
Shielded Power Inductors**  
 Inductance: 1.0  $\mu$ H–1000  $\mu$ H  
 Current: 12.1–0.46 Amps  
 31 values (3 of each)  
 Kit C391 \$100

**MSS1048 Series  
Shielded Power Inductors**  
 Inductance: 0.8  $\mu$ H–330  $\mu$ H  
 Current: 14.1–0.76 Amps  
 20 values (3 of each)  
 Kit C409 \$65

**MSS1246 Series  
Shielded Power Inductors**  
 Inductance: 1.0  $\mu$ H–1000  $\mu$ H  
 Current: 19.9–0.68 Amps  
 31 values (3 of each)  
 Kit C410 \$85

**MSS1246T Series  
Shielded Power Inductors**  
 Inductance: 1.0  $\mu$ H–1000  $\mu$ H  
 Current: 22.04–0.728 Amps  
 33 values (3 of each)  
 Kit C417 \$100

**MSS1260 Series  
Shielded Power Inductors**  
 Inductance: 1.0  $\mu$ H–1000  $\mu$ H  
 Current: 22.7–0.74 Amps  
 33 values (3 of each)  
 Kit C360 \$100

**MSS1260T Series  
Shielded Power Inductors**  
 Inductance: 1.0  $\mu$ H–1000  $\mu$ H  
 Current: 22.76–0.672 Amps  
 33 values (3 of each)  
 Kit C418 \$100

**MSS1278 Series  
Shielded Power Inductors**  
 Inductance: 1.4  $\mu$ H–1000  $\mu$ H  
 Current: 30.6–1.14 Amps  
 30 values (3 of each)  
 Kit C380 \$90

**MSS1278T Series  
Shielded Power Inductors**  
 Inductance: 1.0  $\mu$ H–1000  $\mu$ H  
 Current: 36.84–1.18 Amps  
 34 values (3 of each)  
 Kit C419 \$100

**MSS4020 Series  
Shielded Power Inductors**  
 Inductance: 3.3  $\mu$ H–100  $\mu$ H  
 Current: 1.2–0.20 Amps  
 18 values (3 of each)  
 Kit C381 \$55

**MSS5121 Series  
Shielded Power Inductors**  
 Inductance: 2.2  $\mu$ H–390  $\mu$ H  
 Current: 2.3–0.19 Amps  
 26 values (3 of each)  
 Kit C411 \$80

**MSS5131 Series  
Shielded Power Inductors**  
 Inductance: 2.2  $\mu$ H–390  $\mu$ H  
 Current: 2.3–0.16 Amps  
 26 values (3 of each)  
 Kit C362 \$80

**MSS6122 Series  
Shielded Power Inductors**  
 Inductance: 4.7  $\mu$ H–100  $\mu$ H  
 Current: 1.82–0.4 Amps  
 17 values (3 of each)  
 Kit C363 \$50

**MSS6132 Series  
Shielded Power Inductors**  
 Inductance: 4.7  $\mu$ H–100  $\mu$ H  
 Current: 2.84–0.59 Amps  
 17 values (3 of each)  
 Kit C364 \$50

**MSS7341 Series  
Shielded Power Inductors**  
 Inductance: 3.3  $\mu$ H–380  $\mu$ H  
 Current: 3.72–0.29 Amps  
 22 values (3 of each)  
 Kit C385 \$55

**PFL1609 & PFL2010 Series  
Shielded Power Inductors**  
 Inductance: 0.47  $\mu$ H–4.7  $\mu$ H  
 Current: 1.8–0.37 Amps  
 13 values (20 of each)  
 Kit C433 \$45

**PFL2510 & PFL2512 Series  
Shielded Power Inductors**  
 Inductance: 0.15  $\mu$ H–4.7  $\mu$ H  
 Current: 3.0–0.89 Amps  
 13 values (5 of each)  
 Kit C444 \$45

**PFL4514 & PFL4517 Series  
Shielded Power Inductors**  
 Inductance: 0.15  $\mu$ H–22  $\mu$ H  
 Current: 6.5–0.79 Amps  
 15 values (3 of each)  
 Kit C451 \$55

**SER1052 Series  
Shielded Power Inductors**  
 Inductance: 0.8  $\mu$ H–5.7  $\mu$ H  
 Current: 25.6–6.0 Amps  
 13 values (3 of each)  
 Kit C421 \$45

**SER1360 Series  
High Current Inductors**  
 Inductance: 0.33  $\mu$ H–10  $\mu$ H  
 Current: 43–7.5 Amps  
 10 values (4 of each)  
 Kit C365 \$65

**SER1400 Series  
High Current Inductors**  
 Inductance: 0.3  $\mu$ H–3.6  $\mu$ H  
 Current: 105.9–12.1 Amps  
 13 values (3 of each)  
 Kit C427 \$55

**SER1590 Series  
High Current Inductors**  
 Inductance: 0.3  $\mu$ H–1.5  $\mu$ H  
 Current: 57–19 Amps  
 8 values (4 of each)  
 Kit C366 \$60

**SER2000 Series  
High Current Inductors**  
 Inductance: 0.3  $\mu$ H–2  $\mu$ H  
 Current: 100–45 Amps  
 9 values (2 of each)  
 Kit C374 \$60

**SLC7530 Series  
Shielded Power Inductors**  
 Inductance: 0.05  $\mu$ H–0.40  $\mu$ H  
 Current: 50–8 Amps  
 8 values (3 of each)  
 Kit C379 \$40

# Coilcraft Designer's Kits

**ORDER ON-LINE**  
<http://order.coilcraft.com>

**NEW!** **SLC & SLR Series**  
**Shielded Power Inductors**  
 Inductance: 0.04  $\mu$ H – 0.44  $\mu$ H  
 Current: 100 – 20 Amps  
 40 values (3 of each)  
 Kit C467 \$110

**SRT8045 Series**  
**High Current Inductors**  
 Inductance: 1.4  $\mu$ H – 22  $\mu$ H  
 Current: 17.4 – 4.5 Amps  
 5 values (3 of each)  
 Kit C374 \$45

**XAL & XFL Series - Shielded**  
**Essential Values**  
 Inductances: 1.0, 2.2, 3.3 & 4.7  $\mu$ H  
 4 values from 12 series  
 42 parts (3 of each)  
 Kit C454 \$160

**XAL1010 & XAL1060 Series**  
**Shielded Power Inductors**  
 Inductance: 0.18  $\mu$ H – 15  $\mu$ H  
 Current: >100 – 15.5 Amps  
 21 values (3 of each)  
 Kit C435 \$60

**XAL40xx Series**  
**Shielded Power Inductors**  
 Inductance: 0.22  $\mu$ H – 6.8  $\mu$ H  
 Current: 18.7 – 3.6 Amps  
 10 values (5 of each)  
 Kit C429 \$45

**XAL50xx Series**  
**Shielded Power Inductors**  
 Inductance: 0.16  $\mu$ H – 8.2  $\mu$ H  
 Current: 31 – 5.6 Amps  
 12 values (3 of each)  
 Kit C445 \$55

**XAL60xx Series**  
**Shielded Power Inductors**  
 Inductance: 0.18  $\mu$ H – 33  $\mu$ H  
 Current: 39 – 3.7 Amps  
 16 values (3 of each)  
 Kit C442 \$55

**XAL7020 Series**  
**Shielded Power Inductors**  
 Inductance: 0.15  $\mu$ H – 2.2  $\mu$ H  
 Current: 46 – 13.6 Amps  
 9 values (3 of each)  
 Kit C452 \$45

**XAL7030 Series**  
**Shielded Power Inductors**  
 Inductance: 0.16  $\mu$ H – 10  $\mu$ H  
 Current: 60 – 7.7 Amps  
 13 values (3 of each)  
 Kit C441 \$45

**XAL7070 Series**  
**Shielded Power Inductors**  
 Inductance: 0.16  $\mu$ H – 6.8  $\mu$ H  
 Current: 78 – 12.8 Amps  
 13 values (3 of each)  
 Kit C443 \$60

**XEL40xx Series**  
**Shielded Power Inductors**  
 Inductance: 92 nH – 6.8  $\mu$ H  
 Current: 30 – 3.6 Amps  
 28 values (3 of each)  
 Kit C464 \$75  
 Kit C443 \$60

**NEW!** **XEL50xx Series**  
**Shielded Power Inductors**  
 Inductance: 0.10  $\mu$ H – 22  $\mu$ H  
 Current: 3.6 – 44 Amps  
 32 values (3 of each)  
 Kit C480 \$120

**XEL60xx Series**  
**Shielded Power Inductors**  
 Inductance: 0.15  $\mu$ H – 12  $\mu$ H  
 Current: 5.8 – 45 Amps  
 19 values (3 of each)  
 Kit C466 \$65

**XFL2005 Series**  
**Shielded Power Inductors**  
 Inductance: 0.15  $\mu$ H – 10  $\mu$ H  
 Current: 1.9 – 0.24 Amps  
 14 values (5 of each)  
 Kit C479 \$45

**XFL2006 Series**  
**Shielded Power Inductors**  
 Inductance: 1.0  $\mu$ H – 100  $\mu$ H  
 Current: 1.2 – 0.115 Amps  
 16 values (5 of each)  
 Kit C478 \$45

**XFL3010 & XFL3012 Series**  
**Shielded Power Inductors**  
 Inductance: 0.33  $\mu$ H – 220  $\mu$ H  
 Current: 3.4 – 0.14 Amps  
 37 values (5 of each)  
 Kit C440 \$125

**XFL4012 & XFL4015 Series**  
**Shielded Power Inductors**  
 Inductance: 0.12  $\mu$ H – 1.2  $\mu$ H  
 Current: 11.3 – 4.5 Amps  
 9 values (5 of each)  
 Kit C455 \$45

**XFL4020 Series**  
**Shielded Power Inductors**  
 Inductance: 1.0  $\mu$ H – 4.7  $\mu$ H  
 Current: 5.4 – 2.7 Amps  
 5 values (5 of each)  
 Kit C436 \$45

**XP12010 Series**  
**Shielded Power Inductors**  
 Inductance: 0.2  $\mu$ H – 220  $\mu$ H  
 Current: 3.75 – 0.161 Amps  
 22 values (5 of each)  
 Kit C428 \$65

## Power Transformers

**CST Series**  
**SMT Current Sensors**  
 Eight turns ratios  
 Two different pinouts  
 16 values (2 of each)  
 Kit C389 \$50

**PoE 300F Series**  
**30 Watt Transformers**  
 3.3 – 24 Volt output  
 5 values (3 of each)  
 Kit C398 \$50

**PoE EP Series**  
**Transformers**  
 3 Watt, 7 Watt and 13 Watt versions  
 3.3, 5.0 and 12 Volt output  
 9 values (2 of each)  
 Kit C395 \$50

**PoE Series Transformers**  
 6 Watt and 13 Watt versions  
 1.8 – 12 Volt output  
 10 values (2 of each)  
 Kit C372 \$50

**Miniature PoE**  
**Transformers**  
 6 Watt, 1.8 – 12 Volt output  
 Continuous / discontinuous modes  
 10 values (2 of each)  
 Kit C382 \$50

**Planar Transformer**  
**Prototyping Kit**  
 Design and build your own  
 prototypes with no tooling costs and  
 no waiting.  
 Kit C356 \$125

**PL140 Series**  
**Planar Transformers**  
 For 140 Watt applications  
 3 different schematics  
 6 values (2 of each)  
 Kit C390 \$80

**PL160/PL300 Series**  
**Planar Transformers**  
 For 160- and 300-Watt applications  
 10 parts (2 of each)  
 Kit C460 \$60

## THT Products

### RF Inductors

**132, 148 Series**  
**Horizontal Mount**  
**Inductors**  
 Tunable and fixed  
 Inductance: 14 nH – 710 nH  
 33 values (3 of each)  
 Kit M304 \$60

**“Slot Ten” 10 mm**  
**Tunable Inductors**  
 Inductance: 0.7  $\mu$ H – 1143  $\mu$ H  
 18 shielded, 18 unshielded  
 (3 of each)  
 Kit M100 \$60

**“Unicoil” 7/10 mm**  
**Tunable Inductors**  
 Inductance: 0.0435  $\mu$ H – 1.5  $\mu$ H  
 49 shielded, 49 unshielded  
 (2 of each)  
 Kit M302 \$60

**“Unicoil” 5 mm**  
**Tunable Inductors**  
 Inductance: 9 nH – 281 nH  
 19 Shielded, 19 unshielded  
 (2 of each)  
 Kit M305 \$60

### EMI/RFI Filters

**Common Mode**  
**Data Line EMI Filters**  
 Attenuation: 15 dBm, 1.5 – 300 MHz  
 2, 3, 4, 8 and 10 line  
 DC current capacity: 100, 500 mA  
 Surface mount and leaded  
 17 values (4 of each)  
 Kit D303 \$75

### Power Inductors

**Common Mode**  
**Line Chokes**  
 Inductance: 731  $\mu$ H – 10.5 mH  
 Current: 8.1 – 0.25 Amps rms  
 8 styles (14 total pieces)  
 Kit P402 \$100

**DC1012 Series**  
**Power Inductors**  
 Inductance: 10  $\mu$ H – 330  $\mu$ H  
 Current: 3.5 – 0.7 Amps  
 19 styles (3 of each)  
 Kit P410 \$115

**PCV Series**  
**Power Filter Chokes**  
 Inductance: 4.7  $\mu$ H – 270  $\mu$ H  
 Current: 13 – 3.8 Amps rms  
 18 styles (48 total pieces)  
 Kit P405 \$75

**PCH27, 45 Series**  
**Axial Lead Power Chokes**  
 Inductance: 3.9  $\mu$ H – 82 mH  
 Current: 4.3 – 0.04 AC Amps  
 30 values (2 of each)  
 Kit P409 \$150

### Power Magnetics

**Current Sensors**  
 Sensing range: 0.02 – 35 Amps  
 Frequency response: 20 – 50+ kHz  
 Transformer and sensor-only  
 versions. 10 styles (17 total pieces)  
 Kit P403 \$50

**Base/Gate Driver**  
**Transformers**  
 Inductance: 1.5 mH min.  
 Frequency: 10 – 250 kHz  
 2 single, 2 double section (2 of each)  
 Kit P404 \$50

### LC Filters

**Low Pass LC Filters**  
 Poles: 3 and 7  
 Cutoff frequencies: 0.30 – 500 MHz  
 Impedance: 50 Ohms  
 Six 7-pole, six 3-pole filters  
 (2 of each)  
 Kit D301 \$60



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