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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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## SMT Products

### RF Chip Inductors

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

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

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

**0402CS Chip Inductors**  
 Inductance: 1 nH – 10 nH  
 23 values (20 of each)  
 Kit C328A (5% tolerance) Kit C328A-2 (2% tolerance)  
 Inductance: 11 nH – 120 nH  
 25 values (20 of each)  
 Kit C328B (5% tolerance) Kit C328B-2 (2% tolerance)

**0402HP Chip Inductors**  
 Inductance: 1 nH – 18 nH  
 26 values (20 of each)  
 Kit C403A (5% tolerance) Kit C403A-2 (2% tolerance)  
 Inductance: 19 nH – 220 nH  
 26 values (20 of each)  
 Kit C403B (5% tolerance) Kit C403B-2 (2% tolerance)

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

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

**NEW! 0402HL Chip Inductors**  
 Inductance: 270 nH – 820 nH  
 12 values (20 of each)  
 Kit C473 (5% tolerance)

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

**0603CS Chip Inductors**  
 Inductance: 1.6 nH – 30 nH  
 26 values (10 of each)  
 Kit C324A (5% tolerance) Kit C324A-2 (2% tolerance)  
 Inductance: 33 nH – 390 nH  
 22 values (10 of each)  
 Kit C324B (5% tolerance) Kit C324B-2 (2% tolerance)

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

**0603HC Chip Inductors**  
 Inductance: 1.6 nH – 24 nH  
 11 values (10 of each)  
 Kit C339 (5% tolerance)

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

**0603HP Chip Inductors**  
 Inductance: 1.8 nH – 27 nH  
 27 values (10 of each)  
 Kit C406A (5% tolerance) Kit C406A-2 (2% tolerance)  
 Inductance: 30 nH – 390 nH  
 27 values (10 of each)  
 Kit C406B (5% tolerance) Kit C406B-2 (2% tolerance)

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

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

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

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

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

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

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

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

**1008CS Chip Inductors**  
 Inductance: 10 nH – 8200 nH  
 39 values (10 of each)  
 Kit C300 (5% tolerance) Kit C300-2 (2% tolerance)

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

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

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

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

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

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

### Air Core Inductors

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

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

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

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

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

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

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



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# Coilcraft Designer's Kits

## RFID Transponder Coils

### RFID Transponder Coils 5315TC Series

Inductance: 0.37 mH – 7.2 mH  
14 values (4 of each)  
Kit C369

### RFID Transponder Coils 4308RV Series

Inductance: 0.37 mH – 9 mH  
16 values (4 of each)  
Kit C383

## 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

### USB 2.0

#### Common Mode Filters

0603, 0805, 1206 sizes  
22 values (10 of each)  
Kit C384

## 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

### 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

## 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

## 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

### 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

### 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

### 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

### 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

### 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

### DO1607B Series Backlight Inductors

Inductance: 1 mH – 6.8 mH  
Current: 100–40 mAmps  
6 values (3 of each)  
Kit C335

### DO1608C Series Power Inductors

Inductance: 1  $\mu$ H – 1000  $\mu$ H  
Current: 2.9–0.10 Amps  
20 values (3 of each)  
Kit C377

### 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

### DO2010 Series Power Inductors

Inductance: 12  $\mu$ H – 220  $\mu$ H  
Current: 0.51–0.10 Amps  
8 values (5 of each)  
Kit C399

### 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

### 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

### 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

### 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 (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

### DO3340P Series Power Inductors

Inductance: 10  $\mu$ H – 1000  $\mu$ H  
Current: 8.0–0.8 Amps  
13 values (3 of each)  
Kit C310

### 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

### DO5022P Series Power Inductors

Inductance: 1  $\mu$ H – 1000  $\mu$ H  
Current: 28.8–1.1 Amps  
18 values (3 of each)  
Kit C311

### DS1608B Series Backlight Inductors

Inductance: 0.1 mH – 10 mH  
Current: 220–10 mAmps  
13 values (3 of each)  
Kit C334

### 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

### 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

### 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

### 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

### 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

### LPD4012 Coupled Inductors for SEPIC

Inductance: 0.33  $\mu$ H – 330  $\mu$ H  
Current: 5.6–0.16 Amps  
23 values (3 of each)  
Kit C422

### LPO2506 Series Power Wafer® Inductors

Inductance: 4.7  $\mu$ H – 1000  $\mu$ H  
Current: 1.6–0.10 Amps  
15 values (3 of each)  
Kit C332 (InBoard®)  
Kit C333 (On-board)

### 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

### 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

### 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

### 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

### 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

### 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

### 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

### LPS 3314 Shielded Power Wafer® Inductors

Inductance: 1  $\mu$ H – 1500  $\mu$ H  
Current: 2.0–0.09 Amps  
28 values (3 of each)  
Kit C330

### 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

### LPS 4414 Shielded Power Wafer® Inductors

Inductance: 0.3  $\mu$ H – 820  $\mu$ H  
Current: 5.8–0.083 Amps  
35 values (3 of each)  
Kit C340



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# Coilcraft Designer's Kits

**LPS High L Shielded Power Wafer® Inductors**  
Parts from LPS30xx, LPS40xx  
Inductance: 220  $\mu$ H – 3300  $\mu$ H  
28 values (3 of each)  
Kit C402

**LPS 5010 Shielded Power Wafer® Inductors**  
Inductance: 0.47  $\mu$ H – 1000  $\mu$ H  
Current: 3.4 – 0.10 Amps  
22 values (3 of each)  
Kit C407

**LPS 5015 Shielded Power Wafer® Inductors**  
Inductance: 1  $\mu$ H – 4700  $\mu$ H  
Current: 3.9 – 0.072 Amps  
32 values (3 of each)  
Kit C350

**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

**LPS 6225 Shielded Power Wafer® Inductors**  
Inductance: 1.2  $\mu$ H – 10,000  $\mu$ H  
Current: 5.4 – 0.087 Amps  
28 values (3 of each)  
Kit C349

**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

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

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

**MLC Series High Current Inductors**  
Inductance: 0.36  $\mu$ H – 4.5  $\mu$ H  
Current: 54 – 1.18 Amps  
27 values (3 of each)  
Kit C387

**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

**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

**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

**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

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

**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

**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

**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

**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

**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

**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

**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

**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

**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

**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

**MSS7341 Series Shielded Power Inductors**  
Inductance: 3.3  $\mu$ H – 680  $\mu$ H  
Current: 3.72 – 0.71 Amps  
18 values (3 of each)  
Kit C385

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

**NEW! 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

**NEW! 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

**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

**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

**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

**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

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

**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

**NEW! 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

**NEW! 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

**NEW! XAL40xx Series Shielded Power Inductors**  
Inductance: 0.22  $\mu$ H – 15  $\mu$ H  
Current: 18.7 – 2.8 Amps  
12 values (5 of each)  
Kit C429

**NEW! XAL50xx Series Shielded Power Inductors**  
Inductance: 0.16  $\mu$ H – 22  $\mu$ H  
Current: 31 – 3.6 Amps  
14 values (3 of each)  
Kit C445

**NEW! XAL60xx Series Shielded Power Inductors**  
Inductance: 0.18  $\mu$ H – 22  $\mu$ H  
Current: 39 – 5.6 Amps  
15 values (3 of each)  
Kit C442

**NEW! XAL7030 Series Shielded Power Inductors**  
Inductance: 0.16  $\mu$ H – 10  $\mu$ H  
Current: 60 – 7.0 Amps  
13 values (3 of each)  
Kit C441

**NEW! 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

**NEW! XFL2005 / 2006 Series Shielded Power Inductors**  
Inductance: 0.15  $\mu$ H – 100  $\mu$ H  
Current: 1.9 – 0.115 Amps  
21 values (5 of each)  
Kit C434

**XFL3010 & XFL3012 Series Shielded Power Inductors**  
Inductance: 0.22  $\mu$ H – 220  $\mu$ H  
Current: 4.1 – 0.14 Amps  
37 values (5 of each)  
Kit C440

**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

**XPL2010 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

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[www.coilcraft.com](http://www.coilcraft.com)

# Coilcraft Designer's Kits

## Power Transformers

### CST Series

#### SMT Current Sensors

Eight turns ratios  
Two different pinouts  
16 values (2 of each)  
Kit C389

### PoE 300F Series

#### 30 Watt Transformers

3.3 – 24 Volt output  
5 values (3 of each)  
Kit C398

### 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

### PoE Series Transformers

6 Watt and 13 Watt versions  
1.8 – 12 Volt output  
10 values (2 of each)  
Kit C372

### Miniature PoE Transformers

6 Watt, 1.8 – 12 Volt output  
Continuous / discontinuous modes  
10 values (2 of each)  
Kit C382

### Planar Transformer Prototyping Kit

Design and build your own prototypes with no tooling costs and no waiting.  
Kit C356

### PL140 Series

#### Planar Transformers

For 140 Watt applications  
3 different schematics  
6 values (2 of each)  
Kit C390

## Leaded Products

### RF Inductors

#### 132, 148 Series Horizontal Mount Inductors

Tunable and fixed  
Inductance: 14 nH – 710 nH  
33 values (3 of each)  
Kit M304

#### “Slot Seven” 7 mm Tunable Inductors

Inductance: 0.094  $\mu$ H – 275  $\mu$ H  
39 values (3 of each)  
Kit M106

#### “Slot Ten” 10 mm Tunable Inductors

Inductance: 0.7  $\mu$ H – 1143  $\mu$ H  
18 shielded, 18 unshielded (3 of each)  
Kit M100

#### “Unicoil” 7/10 mm Tunable Inductors

Inductance: 0.0435  $\mu$ H – 1.5  $\mu$ H  
49 shielded, 49 unshielded (2 of each)  
Kit M302

#### “Unicoil” 5 mm Tunable Inductors

Inductance: 9 nH – 281 nH  
19 Shielded, 19 unshielded (2 of each)  
Kit M305

### 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

## 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

### DC1012 Series Power Inductors

Inductance: 10  $\mu$ H – 330  $\mu$ H  
Current: 3.5 – 0.7 Amps  
19 styles (3 of each)  
Kit P410

### 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

### 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

## 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

### Base/Gate Driver Transformers

Inductance: 1.5 mH min.  
Frequency: 10 – 250 kHz  
2 single, 2 double section (2 of each) Kit P404

## 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

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