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://www.coilcraft.com/kits

**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

### SMT Products

**RF Chip Inductors**

- **0201 AF Chip Inductors**
  - Inductance: 5 nH - 200 nH
  - 8 values (20 of each)
  - Kit C471 $45 (10% tolerance)

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

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

- **0201 NF Series Chip Inductors**
  - Inductance: 27 nH - 560 nH
  - 7 values (20 of each)
  - Kit C474 $45 (5% tolerance)

- **0302 CS Chip Inductors**
  - Inductance: 0.67 nH - 34 nH
  - 35 values (20 of each)
  - Kit C370 $40 (5% tolerance)

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

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

**0402 DC Chip Inductors**

- Inductance: 0.8 nH - 120 nH
- 112 values (20 of each)
- Kit C472-2 $330 (2% tolerance)

**0402 DF Chip Inductors**

- Inductance: 20 nH - 330 nH
- 25 values (20 of each)
- Kit C462 $70 (5% tolerance)

**0402 HL Chip Inductors**

- Inductance: 270 nH - 820 nH
- 12 values (20 of each)
- Kit C453 $45 (5% tolerance)

**0402 HP Chip Inductors**

- Inductance: 1 nH - 200 nH
- 54 values (20 of each)
- Kit C403 $120 (5% tolerance)
- Kit C405-2 $160 (2% tolerance)

**0402 PA High Current Chip Inductors**

- Inductance: 0.78 nH - 8.2 nH
- 7 values (20 of each)
- Kit C373 $40 (5% tolerance)

**0403 HQ High Q Chip Inductors**

- Inductance: 1.9 nH - 8 nH
- 11 values (20 of each)
- Kit C371 $40 (5% tolerance)

**0603 AF Chip Inductors**

- Inductance: 15 nH - 10 µH
- 27 values (10 of each)
- Kit C439 $45 (5% tolerance)

**0603 CS Chip Inductors**

- Inductance: 1.6 nH - 390 nH
- 48 values (10 of each)
- Kit C324 $160 (2% tolerance)

**0603 CT Chip Inductors**

- Inductance: 1 nH - 56 nH
- 36 values (10 of each)
- Kit C423 $95 (5% tolerance)
- Kit C423-2 $115 (2% tolerance)

**0603 HC Chip Inductors**

- Inductance: 1.6 nH - 47 nH
- 13 values (10 of each)
- Kit C339 $40 (5% tolerance)

**0603 HL Chip Inductors**

- Inductance: 330 nH - 3300 nH
- 14 values (10 of each)
- Kit C449 $45 (5% tolerance)

**0603 HP Chip Inductors**

- Inductance: 1.8 nH - 390 nH
- 54 values (10 of each)
- Kit C406 $140 (5% tolerance)
- Kit C406-2 $180 (2% tolerance)

**0603 LS Chip Inductors**

- Inductance: 47 nH - 22,000 nH
- 33 values (10 of each)
- Kit C347 $70 (5% tolerance)

**0604 HQ High Q Chip Inductors**

- Inductance: 1.15 nH - 10.4 nH
- 7 values (10 of each)
- Kit C351 $40 (5% tolerance)

**0805 AF Chip Inductors**

- Inductance: 0.1 nH - 22 µH
- 14 values (10 of each)
- Kit C450 $45 (5% tolerance)

**0805 CS Chip Inductors**

- Inductance: 2.8 nH - 820 nH
- 37 values (10 of each)
- Kit C303 $95 (5% tolerance)
- Kit C303-2 $115 (2% tolerance)

**0805 HP Chip Inductors**

- Inductance: 2.6 nH - 820 nH
- 23 values (20 of each)
- Kit C477 $65 (5% tolerance)
- Kit C477-2 $85 (2% tolerance)

**0805 HQ Chip Inductors**

- Inductance: 2.5 nH - 51 nH
- 12 values (10 of each)
- Kit C325 $40 (5% tolerance)

**0805 HT Chip Inductors**

- Inductance: 1.8 nH - 500 nH
- 34 values (10 of each)
- Kit C321 $70 (5% tolerance)

**0805 LS Chip Inductors**

- Inductance: 0.078 µH - 27 µH
- 19 values (10 of each)
- Kit C354 $45 (5% tolerance)

**1008 AF Chip Inductors**

- Inductance: 0.9 µH - 10 µH
- 14 values (10 of each)
- Kit C414 $45 (5% tolerance)

**1008 CS Chip Inductors**

- Inductance: 1 nH - 100 nH
- 15 values (10 of each)
- Kit C322 $50 (5% tolerance)

**1008 HQ High Q Chip Inductors**

- Inductance: 3.3 nH - 560 nH
- 26 values (10 of each)
- Kit C322 $55 (5% tolerance)

**1008 LS Chip Inductors**

- Inductance: 1.0 µH - 100 µH
- 28 values (10 of each)
- Kit C336 $70 (5% tolerance)

**1206 CS Chip Inductors**

- Inductance: 3.3 nH - 1.2 µH
- 31 values (10 of each)
- Kit C320 $80 (5% tolerance)

**1812 CS Chip Inductors**

- Inductance: 1 µH - 33 µH
- 19 values (10 of each)
- Kit C337 $50 (5% tolerance)

**1812 LS Chip Inductors**

- Inductance: 1.37 µH - 1000 µH
- 24 values (10 of each)
- Kit C334 $60 (5% tolerance)

**HA403 x Chip Inductors**

- Inductance: 150 nH - 390 nH
- 8 values (10 of each)
- Kit C458 $45 (2% tolerance)
Coilcraft Designer's Kits

Air Core Inductors
0806SQ, 0807SQ, 0908SQ
Square Air Core Inductors
Inductance: 5.5 nH – 7.2 nH
20 values (10 of each)
Kit C342 $45 (5% tolerance)
Kit C424-2 $70 (2% tolerance)

1010/1212/2014VS
Power Air Core Inductors
Inductance: 22 nH – 257 nH
16 values (8 of each)
Kit C456 $60 (5% tolerance)

1115SQ 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 C338 $55 (5% tolerance)
Kit C438-2 $80 (2% tolerance)

Micro Spring™
Air Core Inductors
Inductance: 1.65 nH – 12.55 nH
9 values (12 of each)
Kit C304 $40 (5% tolerance)
Kit C302-2 $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)

Maxi Spring™
Air Core Inductors
Inductance: 90 nH – 558 nH
12 values (12 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

Do1607B Series
Backlight Inductors
Inductance: 1.0 nH – 6.8 nH
Current: 100 – 40 mAmmps
6 values (3 of each)
Kit C335 $40

Do1608C Series
Power Inductors
Inductance: 1 µH – 1000 µH
Current: 2.9 – 0.10 Amps
20 values (3 of each)
Kit C377 $80

Do1813H Series
High Current Inductors
Inductance: 0.18 µH – 48.1 µH
Current: 14.0 – 0.87 Amps
14 values (3 of each)
Kit C311 $40

Do2010 Series
Power Inductors
Inductance: 12 µH – 220 µH
Current: 0.51 – 0.10 Amps
8 values (5 of each)
Kit C399 $45

Do3308PS Series
Power Inductors
Inductance: 4.7 µH – 1000 µH
Current: 4.2 – 0.29 Amps
15 values (3 of each)
Kit C395 $40

Do3314 Series
Power Wafer™ Inductors
Inductance: 1 µH – 33 µH
Current: 9.1 – 0.51 Amps
10 values (3 of each)
Kit C368 $45

Do3316H Series
High Current Inductors
Inductance: 0.12 µH – 4.7 µH
Current: 10 – 0.16 Amps
10 values (3 of each)
Kit C326 $40

Do3316P Series
Power Inductors
Inductance: 1 µH – 330 µH
Current: 9.0 – 0.19 Amps
20% tolerance
21 values (3 of each)
Kit C318 $60 (20% tolerance)

Do3316T Series
High Temp Inductors
Inductance: 0.33 µH – 470 µH
Current: 20 – 0.50 Amps
33 values (3 of each)
Kit C396 $100

Do3340P Series
Power Inductors
Inductance: 10 µH – 1000 µH
Current: 8.0 – 0.8 Amps
13 values (3 of each)
Kit C310 $40

Do5010H Series
High Current Inductors
Inductance: 0.78 µH – 1000 µH
Current: 30 – 1.0 Amps
20% tolerance
22 values (3 of each)
Kit C338 $65

Do5022P Series
Power Inductors
Inductance: 1 µH – 1000 µH
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 mAmmps
13 values (3 of each)
Kit C334 $40

EPL2010 Series
Shielded Power Inductors
Inductance: 0.18 µH – 0.27 µH
Current: 2.8 – 0.60 Amps
12 values (5 of each)
Kit C413 $45

EPL3012 Series
Shielded Power Inductors
Inductance: 1.0 µH – 22 µH
Current: 2.2 – 0.48 Amps
8 values (5 of each)
Kit C437 $45

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

LPD & MSD Series
Essential Values
Inductance: 0.33 µH – 220 µH
Current: 21.8 – 0.21 Amps
41 values (3 of each)
Kit C463 $160

LPD030V & LPD0835V
High Iso Coupled Inductors
Inductance: 4.7 µH – 220 µH
Current: 1.6 – 0.10 Amps
19 values (3 of each)
Kit C481 $70

LP02506 Series
Power Wafer™ Inductors
Inductance: 4.7 µH – 1000 µH
Current: 1.6 – 0.10 Amps
16 values (3 of each)
Kit C332 (On-board) $50
Kit C333 (On-board) $60

LP03010 Series
Power Wafer™ Inductors
Inductance: 1 µH – 22 µH
Current: 1.7 – 0.30 Amps
13 values (3 of each)
Kit C338 $40

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: 15dBm, 1.5 – 300 MHz
DC current capacity: 100, 500 mA
17 values (4 of each)
Kit D083 $75

USB 3.x / 2.0
Common Mode Chokes
0603USB, 0805USB, 0805USBF, 0805USBN, and 1206USB series
39 values (10 of each)
Kit C470 $110

RF Transformers
PWB Series Wideband RF Transformers
Ohm ratio: 1.0:1, 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: 1.0:1, 2, 4, 8, 9, and 16
Frequency range: 0.15 – 1200 MHz
12 values (3 of each)
Kit C393 $45

Power Inductors
0603PS Series
Power Chip Inductors
Inductance: 0.78 µH – 47 µH
Current: 0.55 – 0.10 Amps
16 values (6 of each)
Kit C346 $55

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

1008PS Series
Power Chip Inductors
Inductance: 1.0 µH – 1000 µH
Current: 4.2 – 0.13 Amps
29 values (6 of each)
Kit C341 $80

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

DO1605T Series
Power Wafer™ Inductors
Inductance: 1 µH – 1000 µH
Current: 2.5 – 0.06 Amps
19 values (3 of each)
Kit C339 $60

DO1606T Series
Power Wafer™ Inductors
Inductance: 1 µH – 1000 µH
Current: 2.5 – 0.06 Amps
19 values (3 of each)
Kit C338 $60

Document 125-2 \- Revised 04/23/19
© Coilcraft Inc. 2019
This product may not be used in medical or high risk applications without prior Coilcraft approval.
Specification subject to change without notice. Please check web site for latest information.
<table>
<thead>
<tr>
<th>Kit Code</th>
<th>Product Code</th>
<th>Description</th>
<th>Inductance</th>
<th>Current</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>C407</td>
<td>LPS 5015 Shielded Power Wafer® Inductors</td>
<td>2200 µH</td>
<td>3.4 A</td>
<td>14 values (3 of each)</td>
<td></td>
</tr>
<tr>
<td>C402</td>
<td>LPS 5030 Shielded Power Wafer® Inductors</td>
<td>1000 µH</td>
<td>4.1 A</td>
<td>16 values (3 of each)</td>
<td></td>
</tr>
<tr>
<td>C352</td>
<td>LPS 30xx Series</td>
<td>3000 µH</td>
<td>2.0 A</td>
<td>16 values (3 of each)</td>
<td></td>
</tr>
<tr>
<td>C401</td>
<td>LPS 6225 Shielded Power Wafer® Inductors</td>
<td>5000 µH</td>
<td>1.5 A</td>
<td>32 values (3 of each)</td>
<td></td>
</tr>
<tr>
<td>C400</td>
<td>ME3215 Series Shielded Power Inductors</td>
<td>4000 µH</td>
<td>0.3 A</td>
<td>19 values (3 of each)</td>
<td></td>
</tr>
<tr>
<td>C451</td>
<td>MOS6020 Series Shielded Power Inductors</td>
<td>3900 µH</td>
<td>0.0 A</td>
<td>30 values (3 of each)</td>
<td></td>
</tr>
<tr>
<td>C349</td>
<td>MCL1xx Series Shielded Power Inductors</td>
<td>5000 µH</td>
<td>0.4 A</td>
<td>11 values (3 of each)</td>
<td></td>
</tr>
<tr>
<td>C409</td>
<td>MS1038 Series Shielded Power Inductors</td>
<td>1000 µH</td>
<td>1.2 A</td>
<td>31 values (3 of each)</td>
<td></td>
</tr>
<tr>
<td>C408</td>
<td>MS1048 Series Shielded Power Inductors</td>
<td>2000 µH</td>
<td>1.0 A</td>
<td>30 values (3 of each)</td>
<td></td>
</tr>
</tbody>
</table>

For more information, please visit the Coilcraft website or contact them directly.