- Design Kits
  - Diodes
  - Encoders
  - Inductive Components
  - Linear Motion Potentiometers
  - Modular Contacts
  - Multifuse® PPTC Resettable Fuses
  - Panel Controls
  - Power Resistors
  - PortNote® Solutions
  - Precision Potentiometers
  - Pro Line
  - Rotary Position Sensors
  - SingiFuse™
  - Switches
  - Telecom Circuit Protection
  - TBU® High-Speed Protectors
  - Trimpot® Trimming Potentiometers

Bourns 3-minute Video!

Design Kits - Inductive Components

Bourns® products include surface-mount chip inductors, pow er chokes, chip beads, chip bead arrays, as w ell as radial-leaded and axial-leaded inductors. These components are used in computer, communication, instrumentation, industrial, and medical applications.

In order to obtain a Bourns® Design Kit please contact your local Bourns sales office or authorized Bourns distributor.

Products marked with this symbol are currently available, although not recommended for new designs.

Kit Number	CQCMD453232-LAB1	CPI201210-LAB1	CI00505-LAB1	CI160808-LAB1
Kit Photo				
Part Numbers	CD453232-1R8KL CD453232-1R8KM CD453232-2R7SL CD453232-3R9KL CD453232-5R6KL CD453232-8R2KL CD453232-120KL CD453232-180KL CD453232-270KL CD453232-390KL CD453232-560KL CD453232-820KL CD453232-121KL CD453232-181KL CD453232-271KL CD453232-391KL CD453232-R10ML CD453232-R15ML CD453232-R22ML CD453232-R33ML CD453232-R47ML CD453232-R68ML CD453232-1R0ML CD453232-2R2ML CD453232-3R3ML CD453232-4R7ML CD453232-6R8ML CD453232-100KL CD453232-220KL CD453232-470KL CD453232-101KL CD453232-221KL CD453232-471KL CD453232-102KL (10 of each in every labkit)	CPI201210-1N5D CPI201210-2N2D CPI201210-3N3J CPI201210-4N7J CPI201210-6N8J CPI201210-10NJ CPI201210-15NJ CPI201210-22NJ CPI201210-47NJ CPI201210-68NJ CPI201210-R10J CPI201210-R15J CPI201210-R22J CPI201210-R27J CPI201210-R33J CPI201210-R39J CPI201210-R47J (40 of each in every labkit)	CI00505-1N0D CI00505-1N0D CI00505-1N6D CI00505-1N8D CI00505-2N0D CI00505-2N2D CI00505-3N0D CI00505-3N6D CI00505-4N7D CI00505-5N6D CI00505-6N8D CI00505-10NJ CI00505-15NJ CI00505-22NJ CI00505-33NJ CI00505-47NJ CI00505-68NJ CI00505-R10J (40 of each in every labkit)	CI160808-1N0D CI160808-1N2D CI160808-1N6D CI160808-1N8D CI160808-2N0D CI160808-2N7D CI160808-3N3D CI160808-4N0D CI160808-6N8J CI160808-10NJ CI160808-22NJ CI160808-33NJ CI160808-47NJ CI160808-68NJ CI160808-R10J CI160808-R15J CI160808-R22J (20 of each in every labkit)

Kit Number	CMI00505-LAB1	CMI160808-LAB1
Kit Photo		
Part Numbers	CMI00505-1N0DL CMI00505-1N2DL CMI00505-1N3DL CMI00505-1N6DL CMI00505-1N8DL CMI00505-2N0DL CMI00505-2N7DL CMI00505-3N3DL CMI00505-3N6DL CMI00505-4N7DL CMI00505-6N8DL CMI00505-8N2DL CMI00505-10NJL CMI00505-15NJL CMI00505-22NJL CMI00505-33NJL CMI00505-39NJL CMI00505-47NJL (40 of each in every labkit)	CMI160808-1N0DL CMI160808-1N6DL CMI160808-2N0DL CMI160808-2N7DL CMI160808-3N3DL CMI160808-3N9JL CMI160808-4N7JL CMI160808-5N6JL CMI160808-6N8JL CMI160808-8N2JL CMI160808-10NJL CMI160808-12NJL CMI160808-15NJL CMI160808-22NJL CMI160808-33NJL CMI160808-47NJL CMI160808-68NJL CMI160808-R10JL (40 of each in every labkit)

Kit Number	CMD201212-LAB1	CMD25016-LAB1	CMD22522-LAB1	CMD53232-LAB1
Kit Photo				
Part Numbers	CMD201212-10NKL CMD201212-15NKL CMD201212-22NKL CMD201212-33NKL CMD201212-47NKL CMD201212-68NKL CMD201212-R10KL CMD201212-R15KL CMD201212-R22KL CMD201212-R27KL CMD201212-R33KL CMD201212-R39KL CMD201212-R47KL CMD201212-R68KL CMD201212-1R0KL (30 of each in every labkit)	CMD25016-10NKL CMD25016-15NKL CMD25016-22NKL CMD25016-33NKL CMD25016-47NKL CMD25016-68NKL CMD25016-R10KL CMD25016-R15KL CMD25016-R22KL CMD25016-R33KL CMD25016-R47KL CMD25016-R68KL CMD25016-1R0KL CMD25016-1R5KL CMD25016-2R2KL CMD25016-3R3KL CMD25016-4R7KL CMD25016-6R8KL CMD25016-100KL CMD25016-150KL CMD25016-220KL CMD25016-330KL CMD25016-470KL CMD25016-680KL CMD25016-101KL (20 of each in every labkit)	CMD22522-R10ML CMD22522-R15ML CMD22522-R22ML CMD22522-R33ML CMD22522-R47ML CMD22522-R68ML CMD22522-1R0KL CMD22522-1R5KL CMD22522-2R2KL CMD22522-3R3KL CMD22522-4R7KL CMD22522-6R8KL CMD22522-100KL CMD22522-150KL CMD22522-220KL CMD22522-330KL CMD22522-470KL CMD22522-680KL CMD22522-101KL CMD22522-151KL CMD22522-221KL (10 of each in every labkit)	CMD53232-R10ML CMD53232-R15ML CMD53232-R22ML CMD53232-R33ML CMD53232-R47ML CMD53232-R68ML CMD53232-1R0KL CMD53232-1R5KL CMD53232-2R2KL CMD53232-3R3KL CMD53232-4R7KL CMD53232-6R8KL CMD53232-100KL CMD53232-150KL CMD53232-220KL CMD53232-330KL CMD53232-470KL CMD53232-680KL CMD53232-101KL CMD53232-151KL CMD53232-221KL CMD53232-331KL CMD53232-471KL CMD53232-681KL CMD53232-102KL (10 of each in every labkit)

Kit Number	CSI160808-LAB1	CV201210-LAB1	CWI160808-LAB1
Kit Photo			
Part Numbers	CSI160808-47NK CSI160808-68NK CSI160808-R10K CSI160808-R15K CSI160808-R15K CSI160808-R18K CSI160808-R22K CSI160808-R27K CSI160808-R33K CSI160808-R39K CSI160808-R47K CSI160808-R56K CSI160808-R68K CSI160808-1R8K CSI160808-2R2K CSI160808-2R7K CSI160808-3R3K CSI160808-3R9K CSI160808-4R7K CSI160808-5R6K CSI160808-6R8K CSI160808-8R2K CSI160808-1R0K CSI160808-1R5K CSI160808-1R8K CSI160808-2R2K (40 of each in every labkit)	CV201210-47NK CV201210-68NK CV201210-R10K CV201210-R15K CV201210-R22K CV201210-R33K CV201210-R47K CV201210-R68K CV201210-1R0K CV201210-1R5K CV201210-2R2K CV201210-3R3K CV201210-4R7K CV201210-6R8K CV201210-100K CV201210-150K CV201210-220K CV201210-330K (30 of each in every labkit)	CWI160808-4N7K CWI160808-6N8J CWI160808-8N2J CWI160808-10NJ CWI160808-12NJ CWI160808-15NJ CWI160808-18NJ CWI160808-22NJ CWI160808-27NJ CWI160808-33NJ CWI160808-39NJ CWI160808-47NJ CWI160808-56NJ CWI160808-68NJ CWI160808-82NJ CWI160808-R10J CWI160808-R15J CWI160808-R22J (30 of each in every labkit)

Kit Number	CWI201212-LAB1	CWI25016-LAB1
Kit Photo		
Part Numbers	CWI201212-2N2J CWI201212-3N3J CWI201212-4N7J CWI201212-6N8J CWI201212-8N2J CWI201212-10NJ CWI201212-15NJ CWI201212-22NJ CWI201212-33NJ CWI201212-47NJ CWI201212-68NJ CWI201212-R10J CWI201212-R15J CWI201212-R22J CWI201212-R33J CWI201212-R47J CWI201212-R68J CWI201212-R81J (40 of each in every labkit)	CWI25016-10NK CWI25016-12NK CWI25016-15NK CWI25016-22NK CWI25016-33NK CWI25016-47NK CWI25016-68NK CWI25016-R10J CWI25016-R15J CWI25016-R22J CWI25016-R33J CWI25016-R47J CWI25016-R68J CWI25016-1R0J CWI25016-1R5J CWI25016-2R2J CWI25016-3R3J CWI25016-4R7J (20 of each in every labkit)

Kit Number	SDR-LAB1	SDR-LAB2	SRN-LAB1	SRR-LAB1
Kit Photo				
Part Numbers	SDR0302-1R0ML SDR0302-4R7ML SDR0302-6R8ML SDR0302-100ML SDR0302-150ML SDR0302-270ML SDR0302-121KL SDR0302-270KL SDR0453-252ML SDR0453-586ML SDR0453-120ML SDR0453-220ML SDR0453-330KL SDR0453-181KL SDR0453-330KL SDR0453-102KL SDR0604-100ML SDR0604-180YL SDR0604-330KL SDR0604-470KL SDR0604-101KL SDR0604-151KL SDR0604-221KL SDR0604-391KL SDR0805-389ML SDR0805-689ML SDR0805-150ML SDR0805-390KL SDR0805-680KL SDR0805-121KL SDR0805-181KL SDR0805-471KL (3 of each in every labkit)	SDR1005-3R0ML SDR1005-100ML SDR1005-220ML SDR1005-330KL SDR1005-470KL SDR1005-101KL SDR1005-221KL SDR1005-681KL SDR1006-120ML SDR1006-270ML SDR1006-470KL SDR1006-101KL SDR1006-151KL SDR1006-221KL SDR1006-331KL SDR1006-471KL SDR1307-292ML SDR1307-586ML SDR1307-180ML SDR1307-390KL SDR1307-560KL SDR1307-121KL SDR1307-181KL SDR1307-561KL SDR1806-180ML SDR1806-560ML SDR1806-100ML SDR1806-150ML SDR1806-470ML SDR1806-101KL SDR1806-221KL SDR1806-102KL (3 of each in every labkit)	SRN3015-1R0Y SRN3015-2R2M SRN3015-3R3M SRN3015-4R7M SRN3015-6R8M SRN5015-100M SRN5015-150M SRN5015-181M SRN5015-220M SRN5015-330M SRN5015-470M SRN5015-101M SRN5045-1R0Y SRN5045-1R5Y SRN5045-2R2Y SRN5045-3R3Y SRN5045-4R7Y SRN5045-6R8Y SRN5045-8R2Y SRN5045-100M SRN5045-220M SRN5045-470M SRN5045-680M SRN5045-101M SRN6040-1R0Y SRN6040-2R2Y SRN6040-3R3Y SRN6040-6R8Y SRN6040-100M SRN6040-220M SRN6040-470M SRN6040-101M (5 of each in every labkit)	SRR0020-R22M SRR0020-R36M SRR0020-R47M SRR0020-R56M SRR0020-R68M SRR0020-1R0M SRR0020-1R5M SRR0020-2R0M SRT0330-R15M SRT0330-R47M SRT0330-1R0M SRT0330-1R5M SRT0330-2R2M SRT0330-3R3M SRT0330-4R7M SRT0330-6R8M SRT0330-R20M SRT0330-R33M SRT0330-R47M SRT0330-R56M SRT0330-R68M SRT0330-1R2M SRT0330-1R5M SRT0330-2R2M SRT0330-3R3M SRT0330-4R7M SRT0330-5R6M SRT0330-6R8M SRT0330-8R2M SRT0330-1R0M SRT0330-1R5M SRT0330-2R2M SRT0330-3R3M SRT0330-4R7M SRT0330-5R6M SRT0330-6R8M SRT0330-8R2M SRT0330-100M (3 of each in every labkit)

Kit Number	SRR-LAB2	SRR-LAB1	SRR-LAB2	SRR-LAB3
Kit Photo				
Part Numbers	SRP1040-R36M SRP1040-R56M SRP1040-R68M SRP1040-1R2M SRP1040-2R2M SRP1040-150M SRP1040-330M SRP1040-470M SRP1235-R22M SRP1235-R47M SRP1235-R68M SRP1235-1R0M SRP1235-2R0M SRP1235-3R3M SRP1235-4R7M SRP1235-6R8M SRP1250-R56M SRP1250-R82M SRP1250-1R2M SRP1250-1R8M SRP1250-2R7M SRP1250-4R7M SRP1250-100M SRP1270-R47M SRP1270-1R0M SRP1270-2R2M SRP1270-4R7M SRP1270-6R8M SRP1270-100M SRP1270-R82M (3 of each in every labkit)	SRR1011-4R7YL SRR1011-1R0YL SRR1011-2R0YL SRR1011-3R3YL SRR1011-4R7YL SRR1011-6R8YL SRR1011-100Y SRR1011-2R2Y SRR1011-3R3Y SRR1011-4R7Y SRR1011-6R8Y SRR1011-100Y SRR1011-150Y SRR1011-220Y SRR1011-470Y SRR1011-101Y SRR1018-1R0Y SRR1018-2R2Y SRR1018-4R7Y SRR1018-100Y SRR1018-330Y SRR1018-101Y SRR1028-2R2Y SRR1028-4R7Y SRR1028-6R8Y SRR1028-100Y SRR1028-150Y SRR1028-220Y SRR1028-330Y SRR1028-470Y SRR1028-680Y SRR1028-151Y SRR1028-331Y (3 of each in every labkit)	SRR2032-100M SRR2032-220M SRR2032-470M SRR7032-101M SRR7032-151M SRR7032-221M SRR7032-471M SRR7032-102M SRR7045-150M SRR7045-330M SRR7045-680M SRR7045-121M SRR7045-181M SRR7045-331M SRR7045-681M SRR7045-102M SRR1005-100M SRR1005-220Y SRR1005-350Y SRR1005-680Y SRR1005-151K SRR1005-221K SRR1005-471K SRR1005-681K SRR1806-100M SRR1806-150M SRR1806-330M SRR1806-470M SRR1806-101M SRR1806-151M SRR1806-331M SRR1806-102M (3 of each in every labkit)	SRR1240-4R7M SRR1240-100M SRR1240-150M SRR1240-270M SRR1240-470M SRR1240-121K SRR1240-221K SRR1240-331K SRR1260-100M SRR1260-150M SRR1260-220M SRR1260-470M SRR1260-680M SRR1260-101M SRR1260-151K SRR1260-471K SRR1280-4R7Y SRR1280-100M SRR1280-180M SRR1280-330M SRR1280-560M SRR1280-820M SRR1280-151K SRR1280-271K SRR1210-5R6Y SRR1210-8R2Y SRR1210-270M SRR1210-390M SRR1210-680M SRR1210-121M SRR1210-221M SRR1210-381M (3 of each in every labkit)

Kit Number	SRP12-LAB1	SRR12-LAB1	SRU10-LAB1	SRU20-LAB1
Kit Photo				
Part Numbers	SRP1235 - R19M SRP1235-R22M SRP1235-R47M SRP1235-1R0M SRP1235-2R2M SRP1235-4R7M SRP1250-R47M SRP1250-1R0M SRP1250-2R7M SRP1250-4R7M SRP1250-100M SRP1270-1R0M SRP1270-2R2M SRP1270-4R7M SRP1270-6R8M SRP1270-100M SRP1270-2R2M (2 of each in every labkit)	SRR1240-4R7M SRR1240-100M SRR1240-470M SRR1240-101M SRR1240-471K SRR1240-102K SRR1260-180Y SRR1260-4R7Y SRR1260-100M SRR1260-220M SRR1260-470M SRR1260-101M SRR1260-151Y SRR1260-100M SRR1260-330M SRR1260-680M SRR1260-101M SRR1280-2R2Y SRR1280-4R7Y SRR1280-680Y SRR1280-101Y SRR1280-331Y (2 of each in every labkit)	SRU1028-1R0Y SRU1028-2R2Y SRU1028-4R7Y SRU1028-6R8Y SRU1028-470Y SRU1028-1R0Y SRU1028-1R5Y SRU1028-1R8Y SRU1038-580Y SRU1038-100Y SRU1038-151Y SRU1038-221Y SRU1048-980Y SRU1048-380Y SRU1048-100Y SRU1048-330Y SRU1048-680Y SRU1048-151Y (3 of each in every labkit)	SRU2009-1R0Y SRU2009-2R2Y SRU2009-3R3Y SRU2009-4R4Y SRU2009-100Y SRU2009-220Y SRU2013-1R0Y SRU2013-1R5Y SRU2013-6R8Y SRU2013-100Y SRU2013-220Y SRU2013-470Y SRU2016-1R0Y SRU2016-4R0Y SRU2016-100Y SRU2016-220Y SRU2016-470Y SRU2016-101Y (3 of each in every labkit)

Kit Number	SRU00-LAB1	SRU00-LAB1	SRU60-LAB1
Kit Photo			
Part Numbers	SRU0011-1R0Y SRU0011-2R2Y SRU0011-3R3Y SRU0011-4R7Y SRU0011-6R8Y SRU0011-100Y SRU0017-2R2Y SRU0017-3R3Y SRU0017-4R7Y SRU0017-100Y SRU0017-220Y SRU0017-470Y SRU0028-100Y SRU0028-220Y SRU0028-330Y SRU0028-470Y SRU0028-680Y SRU0028-101Y (3 of each in every labkit)	SRU0511-2R2Y SRU0511-4R7Y SRU0511-100Y SRU0511-220Y SRU0511-470Y SRU0511-101Y SRU0518-1R0Y SRU0518-2R2Y SRU0518-4R7Y SRU0518-100Y SRU0518-330Y SRU0518-101Y SRU0528-2R2Y SRU0528-4R7Y SRU0528-100Y SRU0528-220Y SRU0528-470Y SRU0528-101Y (3 of each in every labkit)	SRU6011-1R4Y SRU6011-4R7Y SRU6011-100Y SRU6011-220Y SRU6011-470Y SRU6011-680Y SRU6018-1R5Y SRU6018-3R3Y SRU6018-100Y SRU6018-220Y SRU6018-470Y SRU6018-101Y SRU6025-4R7Y SRU6025-100Y SRU6025-220Y SRU6025-470Y SRU6025-101Y SRU6025-221Y (3 of each in every labkit)

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