

COMPREHENSIVE SERVICES

We offer competitive repair and calibration services, as well as easily accessible documentation and free downloadable resources.

SELL YOUR SURPLUS

We buy new, used, decommissioned, and surplus parts from every NI series. We work out the best solution to suit your individual needs.

 Sell For Cash  Get Credit  Receive a Trade-In Deal

OBSOLETE NI HARDWARE IN STOCK & READY TO SHIP

We stock **New**, **New Surplus**, **Refurbished**, and **Reconditioned** NI Hardware.



Bridging the gap between the manufacturer and your legacy test system.

 1-800-915-6216

 www.apexwaves.com

 sales@apexwaves.com

All trademarks, brands, and brand names are the property of their respective owners.

Request a Quote

 **CLICK HERE**

PXI-6529

NOTE TO USERS

NI 65xx Pinout Labels for the SCB-100A

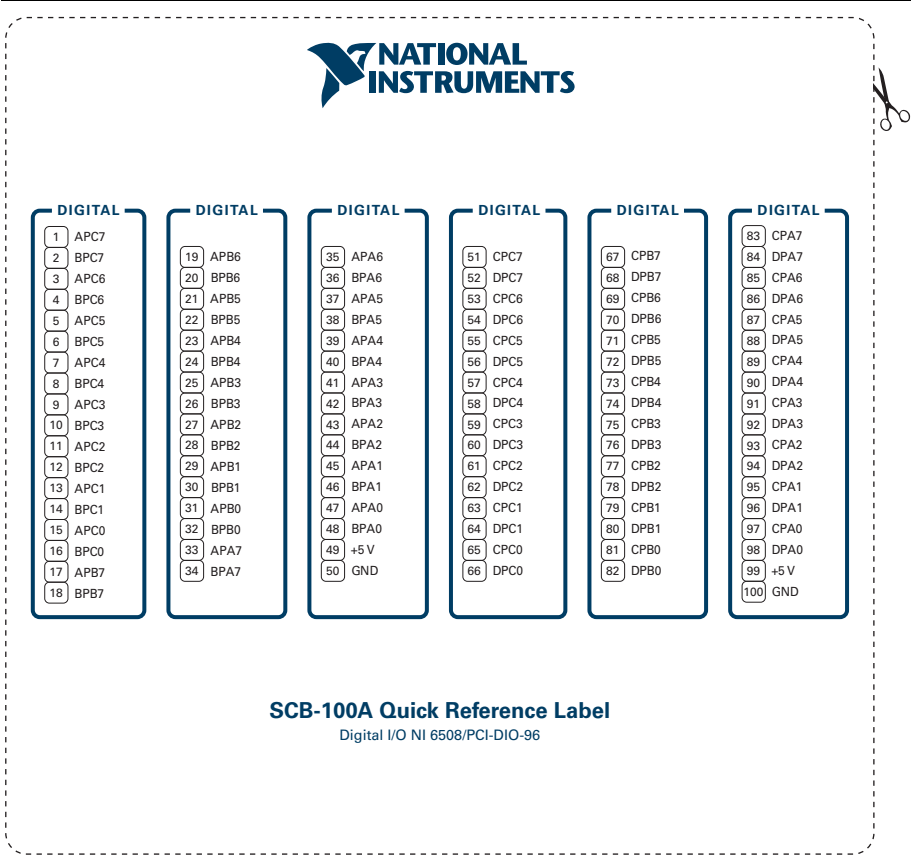
Digital I/O Modules/Devices Using the 100-Pin Shielded Connector Block

If you are using an NI 65xx (formerly referred to as DIO Series) digital I/O device or module with the SCB-100A, you can print and attach a connector-specific pinout label to the cover of the connector block for easy connection reference. This document provides labels for the following models:

- NI 6508/6509
- NI 6511/6512/6513/6514/6515
- NI 6528/6529
- PCI-DIO-96

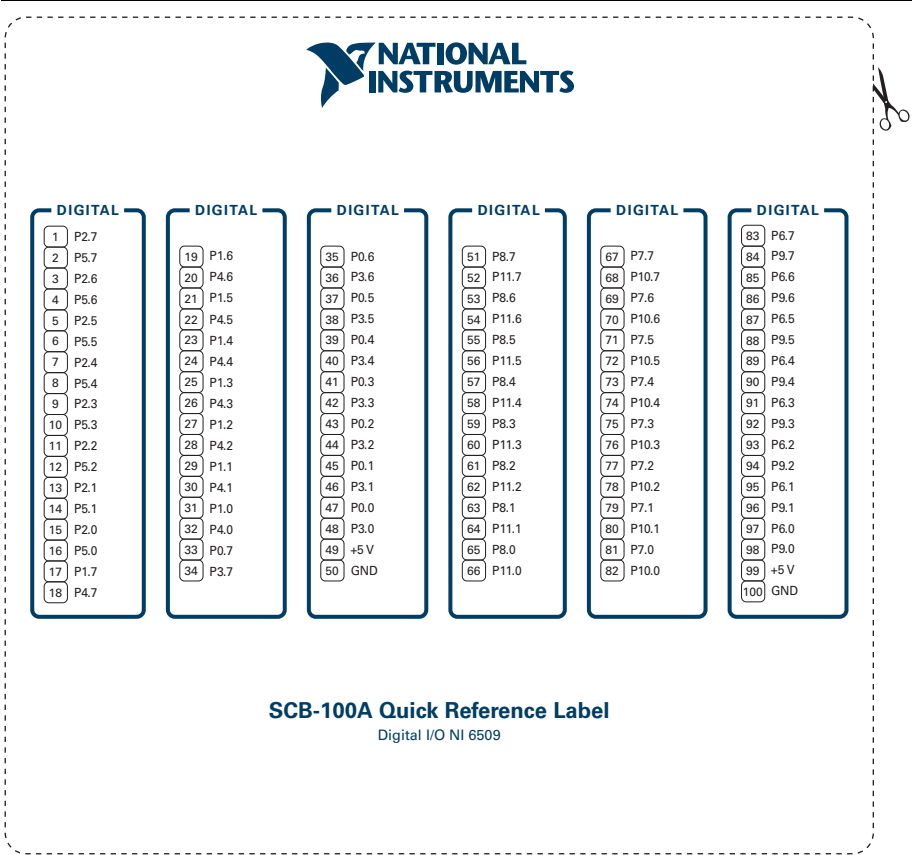
Use the following label if you are connecting the SCB-100A to the NI 6508 and PCI-DIO-96 models.

Figure 1. NI 6508/PCI-DIO-96



Use the following label if you are connecting the SCB-100A to the NI 6509 models.

Figure 2. NI 6509



Use the following label if you are connecting the SCB-100A to the NI 6511 models.

Figure 3. NI 6511



DIGITAL

1

P0.0

2

P0.1

3

P0.2

4

P0.3

5

P0.4

6

P0.5

7

P0.6

8

P0.7

9

P0.COM

10

P0.COM

11

P0.COM

12

P0.COM

13

P2.0

14

P2.1

15

P2.2

16

P2.3

17

P2.4

18

P2.5

DIGITAL

19

P2.6

20

P2.7

21

P2.COM

22

P2.COM

23

P2.COM

24

P2.COM

25

NC

26

P4.0

27

P4.1

28

P4.2

29

P4.3

30

P4.4

31

P4.5

32

P4.6

33

P4.7

34

P4.COM

DIGITAL

35

P4.COM

36

P4.COM

37

P4.COM

38

P6.0

39

P6.1

40

P6.2

41

P6.3

42

P6.4

43

P6.5

44

P6.6

45

P6.7

46

P6.COM

47

P6.COM

48

P6.COM

49

P6.COM

50

NC

DIGITAL

51

P1.0

52

P1.1

53

P1.2

54

P1.3

55

P1.4

56

P1.5

57

P1.6

58

P1.7

59

P1.COM

60

P1.COM

61

P1.COM

62

P1.COM

63

P3.0

64

P3.1

65

P3.2

66

P3.3

DIGITAL

67

P3.4

68

P3.5

69

P3.6

70

P3.7

71

P3.COM

72

P3.COM

73

P3.COM

74

P3.COM

75

NC

76

P5.0

77

P5.1

78

P5.2

79

P5.3

80

P5.4

81

P5.5

82

P5.6

DIGITAL

83

P5.7

84

P5.COM

85

P5.COM

86

P5.COM

87

P5.COM

88

P7.0

89

P7.1

90

P7.2

91

P7.3

92

P7.4

93

P7.5

94

P7.6

95

P7.7

96

P7.COM

97

P7.COM

98

P7.COM

99

P7.COM

100

NC

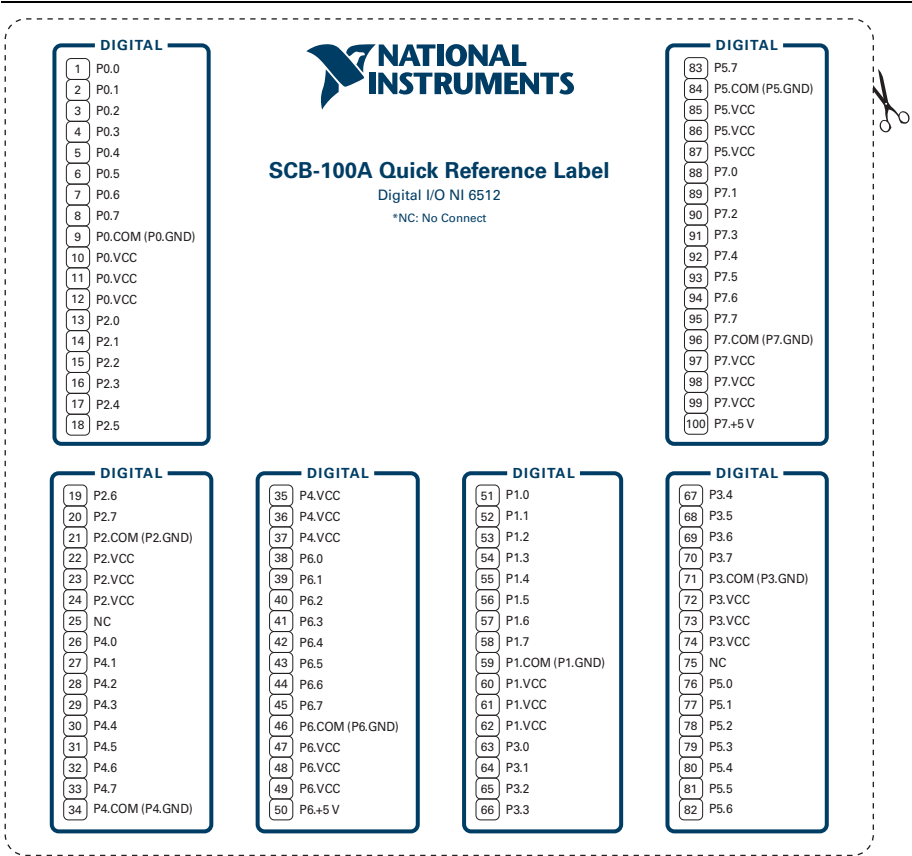
SCB-100A Quick Reference Label

Digital I/O NI 6511

*NC: No Connect

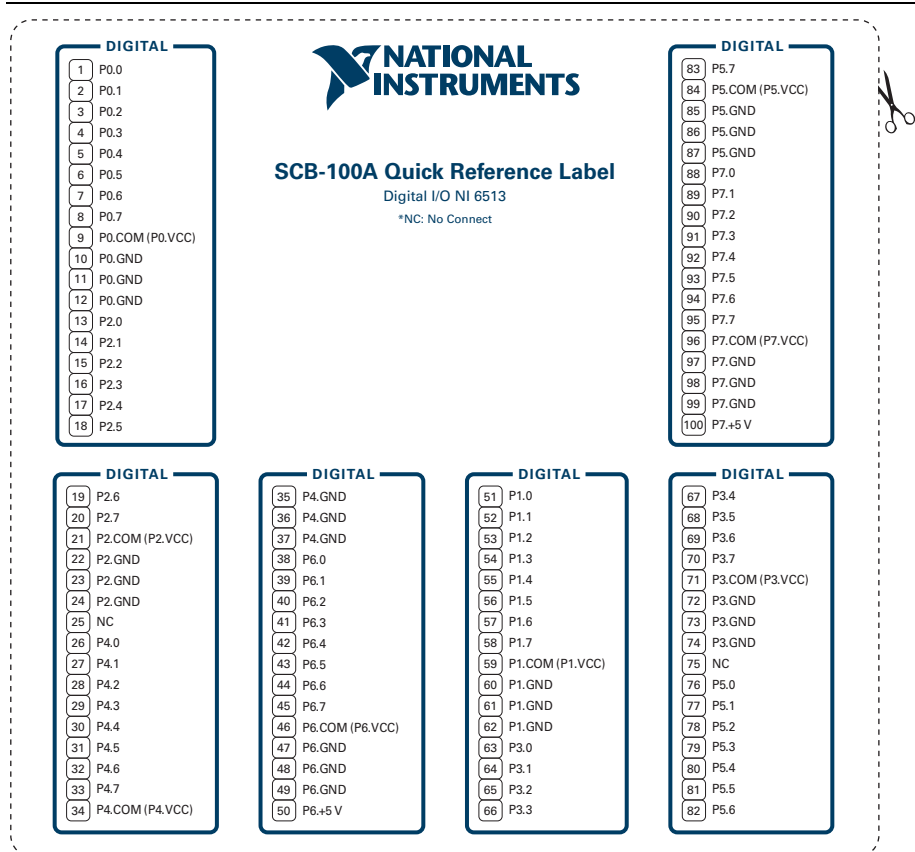
Use the following label if you are connecting the SCB-100A to the NI 6512 models. Note that the connector bank layout on the label differs from the actual connector bank layout on the SCB-100A hardware.

Figure 4. NI 6512



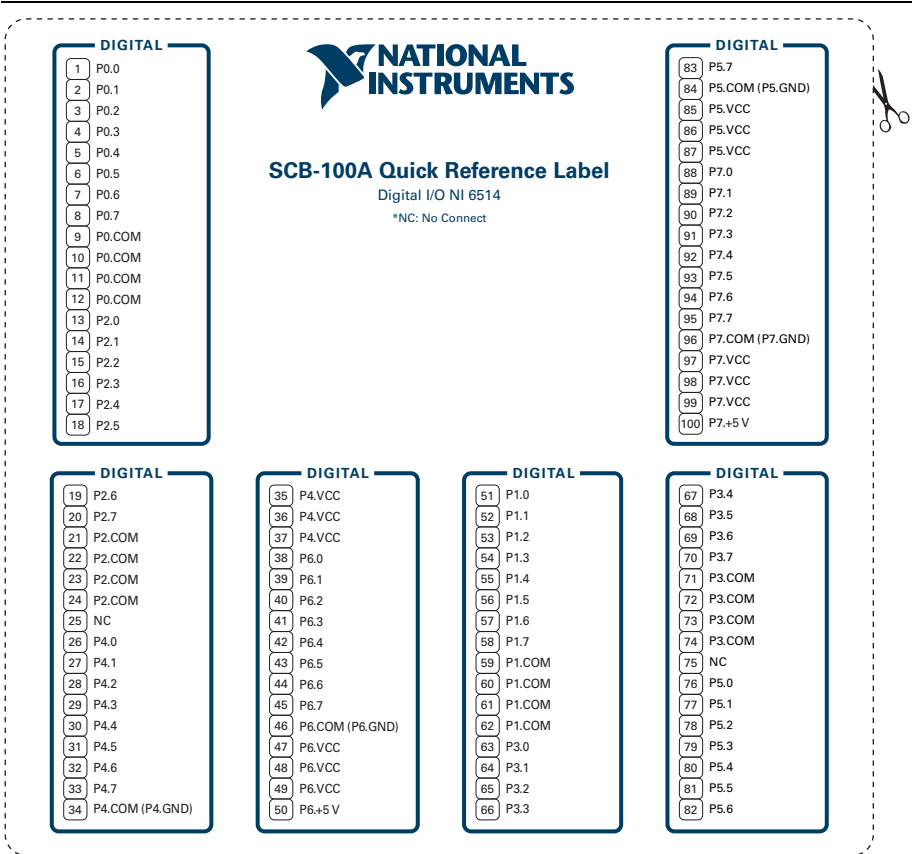
Use the following label if you are connecting the SCB-100A to the NI 6513 models. Note that the connector bank layout on the label differs from the actual connector bank layout on the SCB-100A hardware.

Figure 5. NI 6513



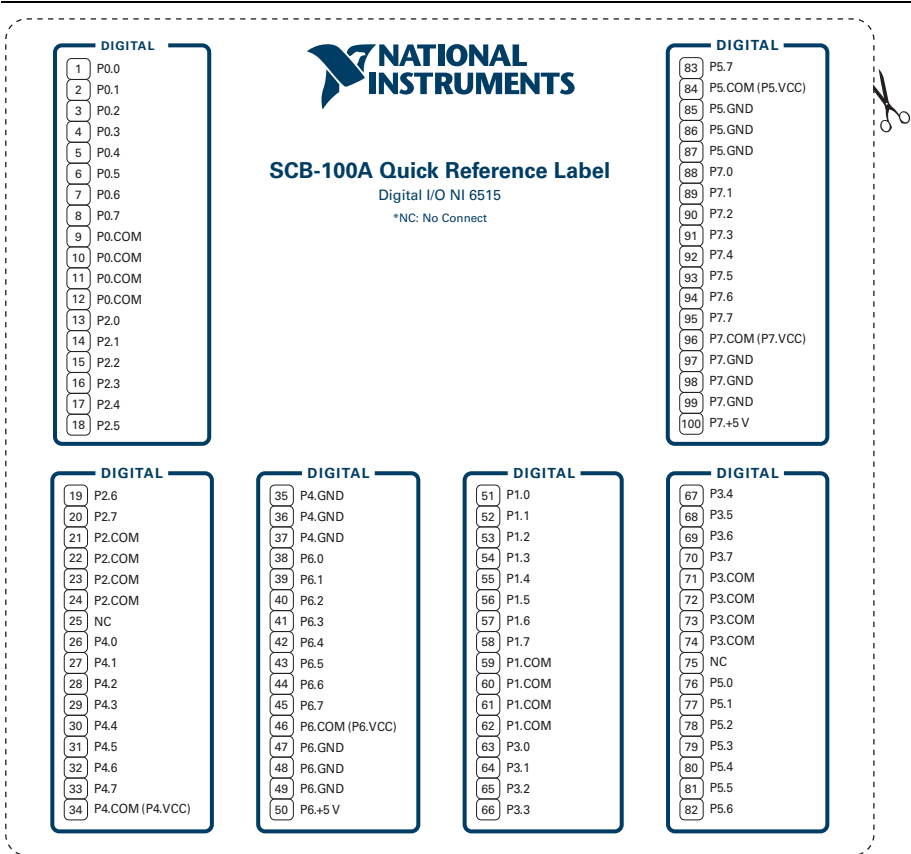
Use the following label if you are connecting the SCB-100A to the NI 6514 models. Note that the connector bank layout on the label differs from the actual connector bank layout on the SCB-100A hardware.

Figure 6. NI 6514



Use the following label if you are connecting the SCB-100A to the NI 6515 models. Note that the connector bank layout on the label differs from the actual connector bank layout on the SCB-100A hardware.

Figure 7. NI 6515



DIGITAL

19

P2.6

20

P2.7

21

P2.COM

22

P2.COM

23

P2.COM

24

P2.COM

25

NC

26

P4.0

27

P4.1

28

P4.2

29

P4.3

30

P4.4

31

P4.5

32

P4.6

33

P4.7

34

P4.COM (P4.VCC)

DIGITAL

35

P4.GND

36

P4.GND

37

P4.GND

38

P6.0

39

P6.1

40

P6.2

41

P6.3

42

P6.4

43

P6.5

44

P6.6

45

P6.7

46

P6.COM (P6.VCC)

47

P6.GND

48

P6.GND

49

P6.GND

50

P6.+5 V

DIGITAL

51

P1.0

52

P1.1

53

P1.2

54

P1.3

55

P1.4

56

P1.5

57

P1.6

58

P1.7

59

P1.COM

60

P1.COM

61

P1.COM

62

P1.COM

63

P3.0

64

P3.1

65

P3.2

66

P3.3

DIGITAL

67

P3.4

68

P3.5

69

P3.6

70

P3.7

71

P3.COM

72

P3.COM

73

P3.COM

74

P3.COM

75

NC

76

P5.0

77

P5.1

78

P5.2

79

P5.3

80

P5.4

81

P5.5

82

P5.6



SCB-100A Quick Reference Label

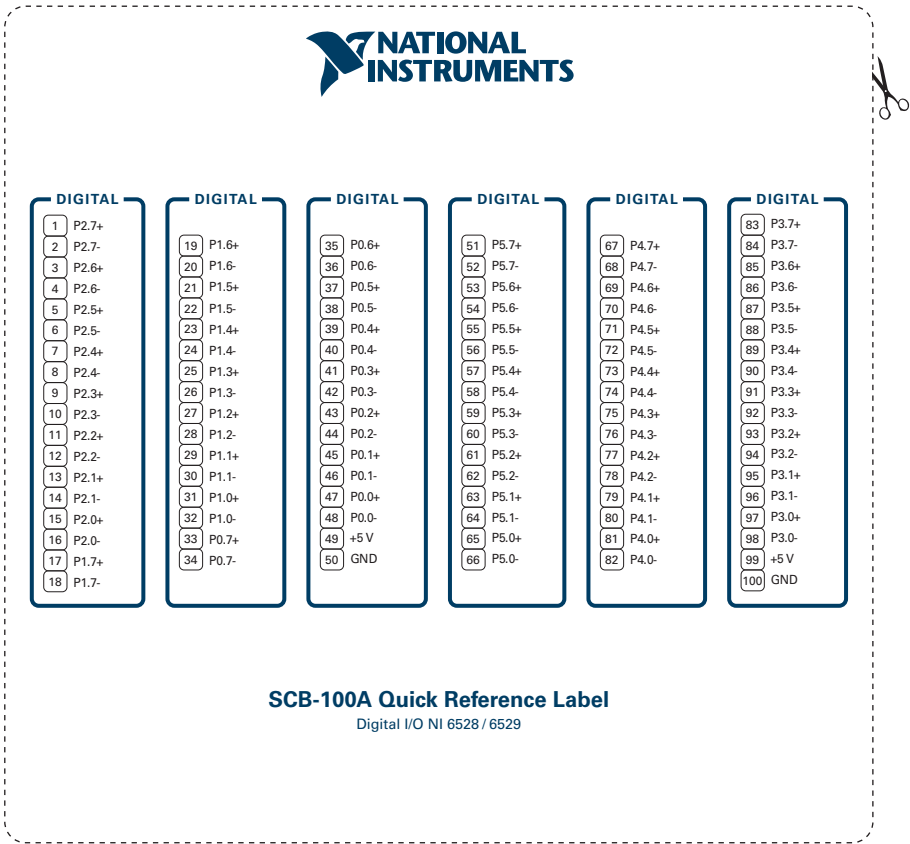
Digital I/O NI 6515

*NC: No Connect



Use the following label if you are connecting the SCB-100A to the NI 6528/6529 models.

Figure 8. NI 6528/6529



SCB-100A Quick Reference Label

Digital I/O NI 6528 / 6529

Refer to the *NI Trademarks and Logo Guidelines* at ni.com/trademarks for more information on NI trademarks. Other product and company names mentioned herein are trademarks or trade names of their respective companies. For patents covering NI products/technology, refer to the appropriate location: **Help»Patents** in your software, the `patents.txt` file on your media, or the *National Instruments Patents Notice* at ni.com/patents. You can find information about end-user license agreements (EULAs) and third-party legal notices in the `readme` file for your NI product. Refer to the *Export Compliance Information* at ni.com/legal/export-compliance for the NI global trade compliance policy and how to obtain relevant HTS codes, ECCNs, and other import/export data. NI MAKES NO EXPRESS OR IMPLIED WARRANTIES AS TO THE ACCURACY OF THE INFORMATION CONTAINED HEREIN AND SHALL NOT BE LIABLE FOR ANY ERRORS. U.S. Government Customers: The data contained in this manual was developed at private expense and is subject to the applicable limited rights and restricted data rights as set forth in FAR 52.227-14, DFAR 252.227-7014, and DFAR 252.227-7015.

© 2017 National Instruments. All rights reserved.