

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





DIGITAL

1	APC7
2	BPC7
3	APC6
4	BPC6
5	APC5
6	BPC5
7	APC4
8	BPC4
9	APC3
10	BPC3
11	APC2
12	BPC2
13	APC1
14	BPC1
15	APC0
16	BPC0
17	APB7
18	BPB7

DIGITAL

19	APB6
20	BPB6
21	APB5
22	BPB5
23	APB4
24	BPB4
25	APB3
26	BPB3
27	APB2
28	BPB2
29	APB1
30	BPB1
31	APB0
32	BPB0
33	APA7
34	BPA7

DIGITAL

35	APA6
36	BPA6
37	APA5
38	BPA5
39	APA4
40	BPA4
41	APA3
42	BPA3
43	APA2
44	BPA2
45	APA1
46	BPA1
47	APA0
48	BPA0
49	+5 V
50	GND

DIGITAL

51	CPC7
52	DPC7
53	CPC6
54	DPC6
55	CPC5
56	DPC5
57	CPC4
58	DPC4
59	CPC3
60	DPC3
61	CPC2
62	DPC2
63	CPC1
64	DPC1
65	CPC0
66	DPC0

DIGITAL

67	CPB7
68	DPB7
69	CPB6
70	DPB6
71	CPB5
72	DPB5
73	CPB4
74	DPB4
75	CPB3
76	DPB3
77	CPB2
78	DPB2
79	CPB1
80	DPB1
81	CPB0
82	DPB0

DIGITAL

83	CPA7
84	DPA7
85	CPA6
86	DPA6
87	CPA5
88	DPA5
89	CPA4
90	DPA4
91	CPA3
92	DPA3
93	CPA2
94	DPA2
95	CPA1
96	DPA1
97	CPA0
98	DPA0
99	+5 V
100	GND

SCB-100A Quick Reference Label

Digital I/O 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




DIGITAL		DIGITAL		DIGITAL		DIGITAL		DIGITAL		DIGITAL	
1	P2.7	19	P1.6	35	P0.6	51	P8.7	67	P7.7	83	P6.7
2	P5.7	20	P4.6	36	P3.6	52	P11.7	68	P10.7	84	P9.7
3	P2.6	21	P1.5	37	P0.5	53	P8.6	69	P7.6	85	P6.6
4	P5.6	22	P4.5	38	P3.5	54	P11.6	70	P10.6	86	P9.6
5	P2.5	23	P1.4	39	P0.4	55	P8.5	71	P7.5	87	P6.5
6	P5.5	24	P4.4	40	P3.4	56	P11.5	72	P10.5	88	P9.5
7	P2.4	25	P1.3	41	P0.3	57	P8.4	73	P7.4	89	P6.4
8	P5.4	26	P4.3	42	P3.3	58	P11.4	74	P10.4	90	P9.4
9	P2.3	27	P1.2	43	P0.2	59	P8.3	75	P7.3	91	P6.3
10	P5.3	28	P4.2	44	P3.2	60	P11.3	76	P10.3	92	P9.3
11	P2.2	29	P1.1	45	P0.1	61	P8.2	77	P7.2	93	P6.2
12	P5.2	30	P4.1	46	P3.1	62	P11.2	78	P10.2	94	P9.2
13	P2.1	31	P1.0	47	P0.0	63	P8.1	79	P7.1	95	P6.1
14	P5.1	32	P4.0	48	P3.0	64	P11.1	80	P10.1	96	P9.1
15	P2.0	33	P0.7	49	+5 V	65	P8.0	81	P7.0	97	P6.0
16	P5.0	34	P3.7	50	GND	66	P11.0	82	P10.0	98	P9.0
17	P1.7									99	+5 V
18	P4.7									100	GND


SCB-100A Quick Reference Label

Digital I/O NI 6509

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

Figure 3. NI 6511





DIGITAL	DIGITAL	DIGITAL	DIGITAL	DIGITAL	DIGITAL
1 P0.0	19 P2.6	35 P4.COM	51 P1.0	67 P3.4	83 P5.7
2 P0.1	20 P2.7	36 P4.COM	52 P1.1	68 P3.5	84 P5.COM
3 P0.2	21 P2.COM	37 P4.COM	53 P1.2	69 P3.6	85 P5.COM
4 P0.3	22 P2.COM	38 P6.0	54 P1.3	70 P3.7	86 P5.COM
5 P0.4	23 P2.COM	39 P6.1	55 P1.4	71 P3.COM	87 P5.COM
6 P0.5	24 P2.COM	40 P6.2	56 P1.5	72 P3.COM	88 P7.0
7 P0.6	25 NC	41 P6.3	57 P1.6	73 P3.COM	89 P7.1
8 P0.7	26 P4.0	42 P6.4	58 P1.7	74 P3.COM	90 P7.2
9 P0.COM	27 P4.1	43 P6.5	59 P1.COM	75 NC	91 P7.3
10 P0.COM	28 P4.2	44 P6.6	60 P1.COM	76 P5.0	92 P7.4
11 P0.COM	29 P4.3	45 P6.7	61 P1.COM	77 P5.1	93 P7.5
12 P0.COM	30 P4.4	46 P6.COM	62 P1.COM	78 P5.2	94 P7.6
13 P2.0	31 P4.5	47 P6.COM	63 P3.0	79 P5.3	95 P7.7
14 P2.1	32 P4.6	48 P6.COM	64 P3.1	80 P5.4	96 P7.COM
15 P2.2	33 P4.7	49 P6.COM	65 P3.2	81 P5.5	97 P7.COM
16 P2.3	34 P4.COM	50 NC	66 P3.3	82 P5.6	98 P7.COM
17 P2.4					99 P7.COM
18 P2.5					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



SCB-100A Quick Reference Label
Digital I/O NI 6512
*NC: No Connect

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 (P0.GND)
10	P0.VCC
11	P0.VCC
12	P0.VCC
13	P2.0
14	P2.1
15	P2.2
16	P2.3
17	P2.4
18	P2.5

DIGITAL

83	P5.7
84	P5.COM (P5.GND)
85	P5.VCC
86	P5.VCC
87	P5.VCC
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 (P7.GND)
97	P7.VCC
98	P7.VCC
99	P7.VCC
100	P7.+5 V

DIGITAL

19	P2.6
20	P2.7
21	P2.COM (P2.GND)
22	P2.VCC
23	P2.VCC
24	P2.VCC
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.GND)

DIGITAL

35	P4.VCC
36	P4.VCC
37	P4.VCC
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.GND)
47	P6.VCC
48	P6.VCC
49	P6.VCC
50	P6.+5 V

DIGITAL

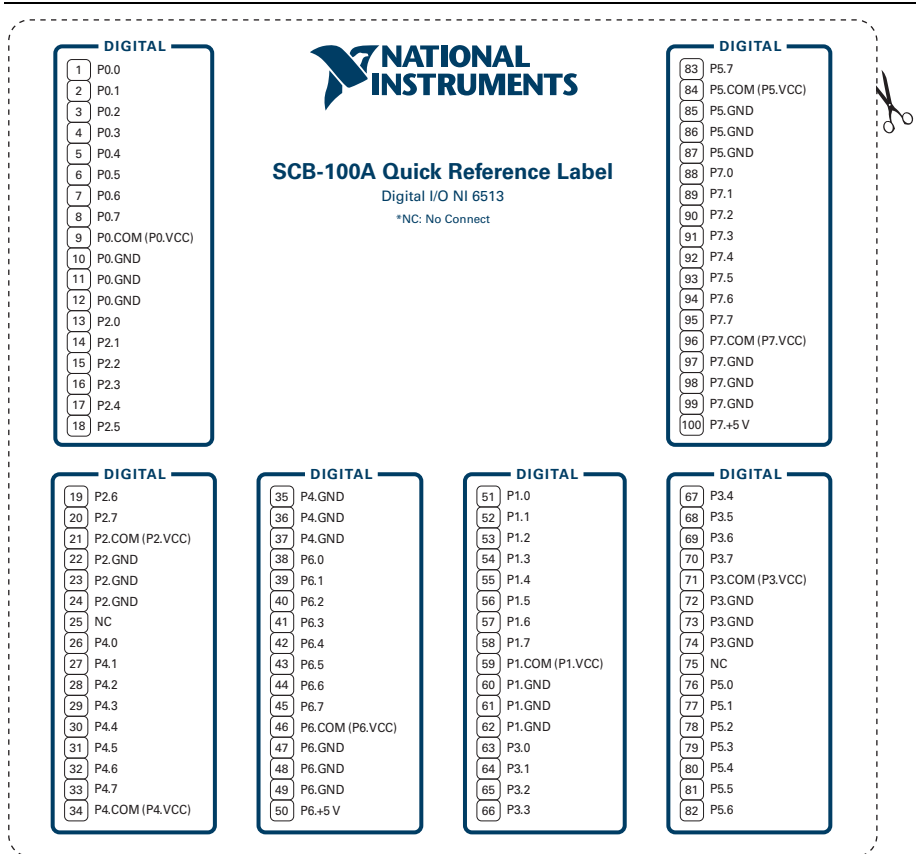
51	P1.0
52	P1.1
53	P1.2
54	P1.3
55	P1.4
56	P1.5
57	P1.6
58	P1.7
59	P1.COM (P1.GND)
60	P1.VCC
61	P1.VCC
62	P1.VCC
63	P3.0
64	P3.1
65	P3.2
66	P3.3

DIGITAL

67	P3.4
68	P3.5
69	P3.6
70	P3.7
71	P3.COM (P3.GND)
72	P3.VCC
73	P3.VCC
74	P3.VCC
75	NC
76	P5.0
77	P5.1
78	P5.2
79	P5.3
80	P5.4
81	P5.5
82	P5.6

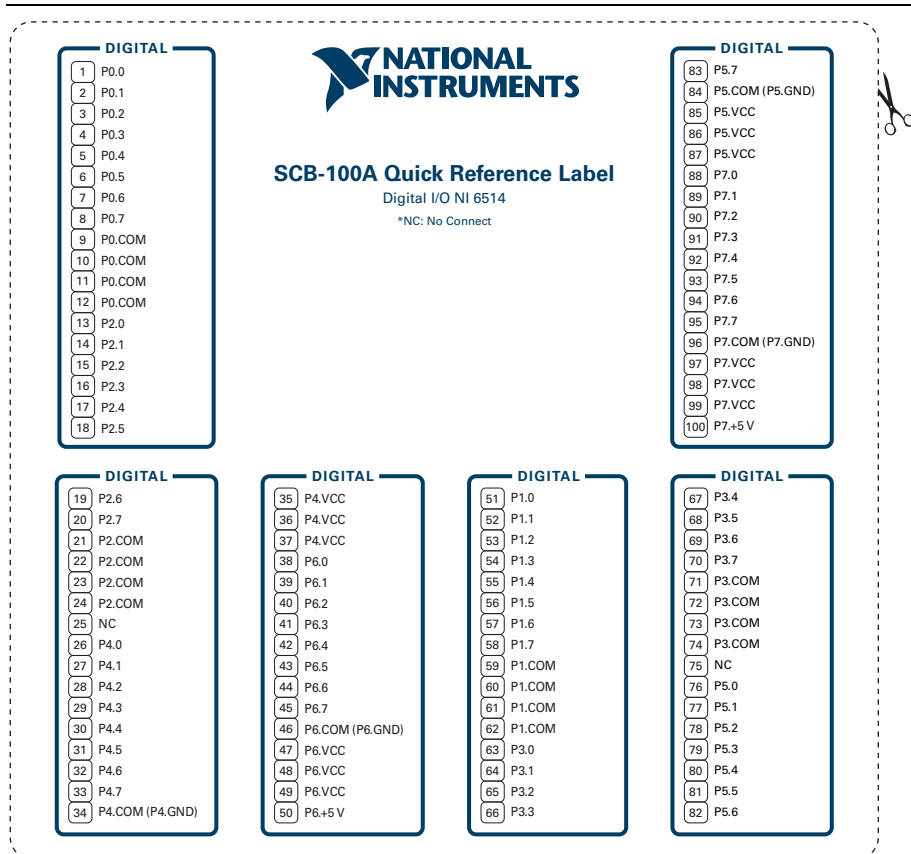
Use the following label if you are connecting the SCB-100A to the NI 6513 models. Note that the connector bank layout on the label differs from the actual connector bank layout on the SCB-100A hardware.

Figure 5. NI 6513



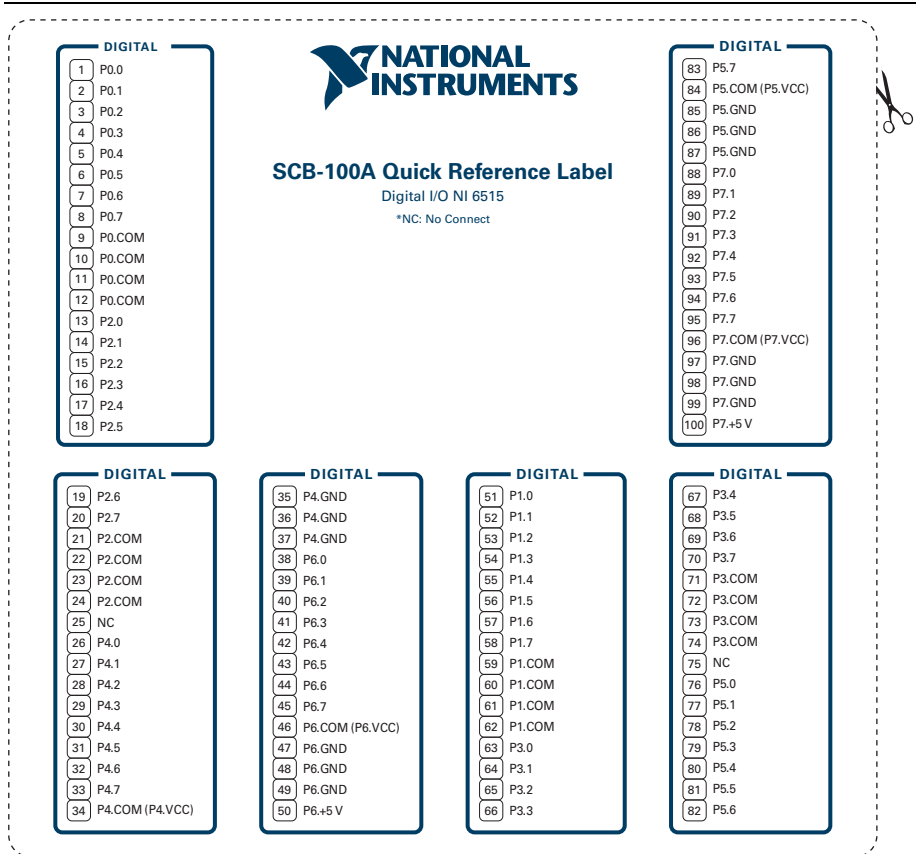
Use the following label if you are connecting the SCB-100A to the NI 6514 models. Note that the connector bank layout on the label differs from the actual connector bank layout on the SCB-100A hardware.

Figure 6. NI 6514



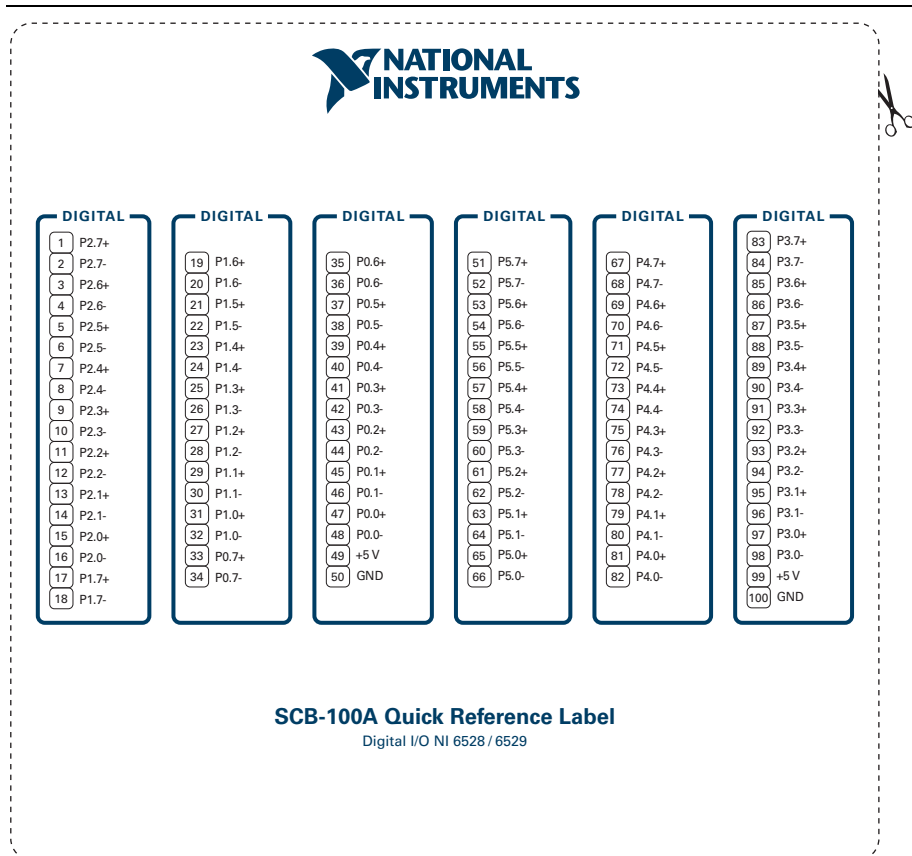
Use the following label if you are connecting the SCB-100A to the NI 6515 models. Note that the connector bank layout on the label differs from the actual connector bank layout on the SCB-100A hardware.

Figure 7. NI 6515



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.